

9-5-23

100

54-162

sensus inuenit:  
 ia: vigilie: vna  
 erse in vnu  
 olinaru  
 cau  
 et

Table Chronique  
de l'Algérie \* 1848

2

25-10-1848

16-07-50  
18-11-50  
11-08-51

# Erhortatoria in impressionē tabularū Astronomicarū Alfonso Regis.

Augustinus, Moranus Blomucensis Johanni Lucilio  
Santritter Heilbronnensi S. P. D.

Quā temporum nostrorum conditionē mecum ipse reputo Johannes Lucili  
Amice suauissime: eamq; ex priscorū illorū imagine diligentius expendo atq;  
pertracto. gloriari sepe non mediocriter soleo: id me potissimū etatis incidisse:  
in quo post defectos pene optimarū disciplinarū fructus: is demū studiorum  
ardor succreuerit: vt q̄ longa vetustatis negligentia deperierant: iam redeant  
iterū: ac redinuo quodam spiritu in meliorē propemodū frugem excitent atq;  
repullulent. Quis enī uehemētius non indoluerat: fecundissima illa ingenia: lo-  
cupletissima studia: illas inquā omniū virtutū faces ita a splendore z dignitate  
concidere potuisse vnq̄: vt eorū aliquādiu vix vestigia quedā inuenirent. Nō  
Philosophia: non Oratoria: non Poetica: non Mathematica vsquā supererat  
qn̄ feda barbaries ita sumerserit oīa: vt a clade illa longe calamitosissima: egre  
nobis ad id vsq; enī respirare sit datū. Ceterum enimvero: quo magis illa tempo-  
ra luctuosa fuere: quibus omnis studioz bonos conciderat: eo plus his nostris  
gratulandū Amice suauissime existimo: quibus preclara ingenia ad pristinum  
iterum calorem reuiuiscunt: Quin etiam si vllus apud inferos sensus inuenis-  
gaudere etiam manes ipsos existimem: q̄ eorum labores: exercitia: vigiliæ: vna  
cum eis iā fere sepulte in lucē denuo prodeant: ac multipbariā disperse in vnū  
veluti corpus congregent iterum atq; subsistant. Id quū in omni disciplinarū  
genere incredibili imprimis celeritate confectū sit: vtpote vbi ad cōmunē cau-  
sam in vnū fere omnes conspirarūt: preter ceteros tñ Georgius Purbachius: et  
Johannes ille de Regio mote: viri germani: latineq; ac grece lingue iuxta eru-  
diti: Sideralis sibi negotij partē eousq; tutati sunt: vt cum ceteri non nisi alias  
pertractata disquirerent: bi sibi z incognita z intentata prius: proprio vt aiunt  
Arte desumūt. Quū enī multos variosq; errores validius detriumphassent:  
ad ea etiā animū adyccere tentarūt: q̄ vetex pleriq; aut difficultate deterriti: aut  
laborū pertesi itacta omnino pterierāt. Nō si vl' Pitagoras ille q̄ primus gre-  
cis (vt Aristotē<sup>9</sup> scribit) pondera z mensurā dī rationē inuexit: Si Anaximā-  
der Milesius: quia primus Celestia signa Conuersionesq; solares: Illoscopia  
et Equinoctia adnotarūt: Si. E. deniq; Sulpicius apud Latinos: Thales Mi-  
lesius apud Grecos quia defectus Solis z Lune primi prodiderunt: sumo bo-  
noze sumag veneratione habitū: miris laudibus efferunt: Quid tandē his iure  
tribuerim: qui ea que antea tanq̄ i Apollis quodā sacello a cōmuni hominū cō-  
tuitu absco debant: ita nobis prodiderūt: vt omnibus iamiamq; manifesta esse  
ualeant z cognita. Sed quorsum ista inquires efflagitabā abs te cōtinuo conui-



cio Amice suauissime: tū vel maxime quā in secessu tuo Patauino ad me diuer-  
teras: ad ea te quōq; studia conferres: quibus exactis annis multa cū laude efflo-  
ruisses: Et quomō in his priuato tibi: satis superq; philosophatus sis: aliqd etiā  
lucubrationū tuarū in cōmune elargireris: Quū mihi nil tale tum suspicāti (ex-  
stimabā enī eo te ocio qd tibi abunde suppeteret indulgētius aliquātisp abuti  
Iohannes Basilius noster Regiensis vir vti scis humanissim⁹: atq; preter alia  
studia Medicinē ac etiā Astronomiē scientiā apprime eruditus: nundinis his  
Diui Antoni: ea de te referret: que animū meū alias in te propensum ex hoc  
incredibili etiā studio & voluntate tibi deuincirent. Obmitto enī id qd librum  
quendā in natiuitatibus abs te concinnatū narrauerit: quom id alias ex te co-  
gnouerim: tum illud incredibili admiratione referebat Tabulas Diui Alfonsi  
Regis eo te facilitatis reduisse: vt que non nisi maximo labore: atq; ingenti te-  
dio ex his disquirebamus: ea se modo summa facilitate tanq̃ vstro ingerere vi-  
deant. Que quū non mediocri animi alacritate acciperem: vtpote que diutur-  
nis meis votis responderēt: Lepi mox iacture etiā illius omniū calamitosissi-  
me: quā ex imaturo funere Iohannis de Regio monte cōmunia hec tempora  
susceperāt: consolari: Quia id quod per eū fata nobis inuiderāt: ex te viro etiā  
germano copiosius restitutū iri contingat. Enitere igit vt cepisti Amice suauis-  
sime: Elabora in quā enixius atq; contēde: vt ea que laboribus tuis & vigilijs cō-  
tinuis perfecisti: delitescere apud te nō permittas: quin ea priū quoq; tepore  
castigatissimis notis cōmendes: atq; in publicū bonis auib⁹ prodire iubeas:  
Ita enī optimis studijs cōsules: & nominis tui immortalitati prospicies. Vale.  
Ex Gymnasio Patauino. xvi. kl's Iulij. Anno Salutis. 1492.

Exultarem non minori gaudio q̄ tu Augustine suauissime: q̄ ea nos tempora  
incidimus: quibus omnium bonarum artium studia non dico reuiuiscunt aut florent:  
sed dulcissimos etiam fructus iam ediderunt: adeo ut in plerisque multis breui cum  
diuino illo Romanorum seculo certaturi simus: nisi scilicet: ut ne dicam blateronum  
quorundam ac lucifugarum sermones me mouerent: qui in solis garrientes angulis  
quos scriptis aperto Marte aggredi non valent: clam lacerantes caninis petunt  
moribus. Dolendum profecto est nullam tam letam segetem esse: cui lappae aut lolium aut  
steriles non noceant auene. Quis enim equo animo ferret cum viderit Iohannis de  
Monte regio Astronomica diligentissimo studio maximo labore ac animi soler-  
tissima indagine inuenta: ab indoctissimis ac non satis prima vel minima Ma-  
theseos elementa edoctis tam impudenter carpi et damnari. Sunt plerique: non me-  
tiores (nobis) parco) ne hi Zoiliet tam improbo facinore celebres fiant: qui non in-  
teligentes ab eo viro scriptum in Almagestum epitoma: pbleumataque astronomi-  
ca ad totum Almagestum spectantia: ac cetera eius opera omnia Ptolemeice discipline  
examissum quadrata: defecti animo ingenio et doctrina maledictis eum incessant.  
Illo potissimum nixi argumento quod multorum annorum placita quedam imutare sit ausus  
qui in dies meliora inuenire non possim: aut necessarium sit tradita omnia cuiuscunque  
doctrinae nullatenus a vero deuiare esse. At qui, ni liuor et imperitia eos circumsedit:  
sent: admirantur in Iohanne virosque lingue peritiam. In suis dogmatibus firmis-  
simas demonstrationes. Sed fortasse non vnius hominis germani odio flagrat: sed  
totius gentis. Facessant nunc inuidia et rerum iusti extimatores simus: si vita diu-  
nior theorematibus reddat: vel vno Alberto magno totus orbis germanis de-  
bet: ut impresentiarum ceteros obmittat: tum philosophis tum diuinis et mathematicis  
disciplinis eruditissimos: quorum si nos et libros recenserem: me prius dies desi-  
ceret quam ad nouissimum peruenire. Si vero que ad quotidianum usum necessaria sunt  
miris cogitatibus inuenta: commendabiliorum quampiam gentem reddunt: nulla profecto  
gens hanc prestat. Plurima namque et ad pacis comoda et ad ornamenta inuenit.  
Quantum vero bombarde germanorum inuentum in bellis valeant disicere mentium vali-  
dissime moles inter cetera documentum esse possunt. Ut mirificam illam impressoriam  
artem a nostratibus inuentam silentio transeam: quam doctorum monumenta non solum ab inte-  
ritu liberauit: verum etiam copiosissime posteris tradunt. Res innumeras nostri homines  
inuenere alterius dictioris et temporis. Quibus liquido perspexeris nullis hominibus  
nos posse inuidere. Exultiori eloquio ferme ad hec tempora caruimus: quod post  
Gotticum bellum: quo tempore barbaries vigere incepit: ipsa parens lingue latine  
Italia suamet sermone nedum Germanie caruerat. Sed hec rerum regina oratio  
spero non diu fore quod apud nostros cumulatissime erit: ut nostrum imperium Ro-  
manum propria lingua non careat: et lingua Romana letes suo imperio iungi. In  
qua quidem re preclarissima pro virili amice suauissime te laborasse ostendunt

Grauitas & nitor orationis tue & verborum proprietates: non etiā doctissimis Italis  
 depudenda. Ceterū his obmissis q̄ me hortaris vt post tot tamq; immissos ex-  
 haustos labores quibus Vlenetij septenniū fortuna me varie iactante veratus  
 sum: aliquid nostris vigilijs cūdam: omne meum consiliū velim teneas: me ad  
 hanc diē diligētī opera & studio q̄ probatissimorū mathematicorū opera curasse  
 vt formulis imprimenda emēdantissima traderent: quo studiosi harum rerum  
 ex purgatissimis fontibus doctrinam haurirēt: id existimo me non incassum la-  
 borasse: & nunc laboro: vt Iohannis de monte regio Bzenariū in Almagestum  
 Ptolemei meo ductu & auspicijs castigatissimū in lucem prodeat. Cui annexen-  
 dum perquirim⁹ librum Iohannis eiusdem de omnimodis triangulis opus in  
 inspectione totius Sideralis scientie vtilissimū. Que etiam nos publice profu-  
 tebimur: vt horum viroꝝ quantū in me est bonos prouebat: & astronomico  
 negotio consulam⁹. Nec vbi peracta erunt non erubescemus cogitatis nostris  
 libertatē donare: vt sub tua & reliquorū amicorū tutela in lucem tuta prodeant.  
 Interim Dini Alfonsi astronomi exactissimi tabulas: in facillimū ordinem no-  
 stra opera redactas accipies: ne quis amplius difficultate perterritus relicto  
 principe tabularū ad alios minoris veritatis se conferat. Quibus aliquas etiā  
 tabulas addidimus: quo opus completius esset. Necnon canones partim a me  
 confectos: partim ex plurimis laudatis auctoribus excerptos adiunxim⁹. Erūt  
 autē he tabule mei in te amoris & obseruatie argumentū: donec nostris exancla-  
 tis laboribus erumnosis aut paria aut potiora mittamus. Vale: & me vt soles  
 ama. Anno Christi fiderū conditoris, 1492. Pridie Kalen, Nouēb. Vlenetij.

estas tablas Alfonsinas son del Vro del R. C. D. N.  
 Christoval Segado Morte de S. S. Basilio Magno-

**T**abule  
Celesti-  
tuum Diui



**T**abularum  
um Ado-  
Alfonsi

**Regis Romanorum et Castelle Illustrissimi.**

Mecum stellarum fixarum longitudines ac latitudines ipsius tempore ad motus veritatem mira diligentia reduce: Ac in ipsas primo tabulas Alfonsi canones siue propositiones ordinatissime Incipiunt Felici Sidere.

**Canon siue Propositio prima.**



Tempus quodlibet: et eram quamlibet ex tabulis ad hoc factis extrahere. Tempus igitur quodcumque siue Era quocumque facile extrahitur: si primo tabularum erarum dispositiones dignoscant. Sunt itaque tabularum temporum siue erarum quattuor communes. Quarum prima tabula temporum siue erarum differentie: seu differentiarum unius regni ad aliud et inscripta: in ordine primo numerorum annos romanos et dies: in secundo vero 4 3 2 1 iuxta usum harum tabularum illis equipollentia in tempore complectens: differentia ere cognite illius quam inscriptio edirecto versus dextrum exprimit: commodissime declarat. Hocque cuiuslibet

ex tabula ipsa erit manifestum. Tres relique tabule communes: sunt edite ad reducendum annos alicuius ere ad 4 3 2 et 1. Quarum prima est ad reducendum annos solares bisextiles. Que in tres diuiditur particulares tabellas. Prima earum est de annis collectis. Secunda de annis expansis. Que quidem secunda iterum in tres subdividitur particulas. Particula prima est de annis expansis: quorum quatuor est bisextilis. Secunda de annis expansis: quorum tertius est bisextilis. Tertia est de annis expansis: quorum secundus est bisextilis. Tertia quoque particularis tabella est de mensibus: et etiam diuiditur in tres partiales tabellas. Prima earum est de mensibus incipientibus a Januario. Secunda de mensibus incipientibus ab Octobri. Tertia de mensibus incipientibus a Septembri. Et in qualibet istarum menses bis replicantur: Quia superius vltimo loco ponitur menses anni non bisextilis. Secundo vltimo inferiori menses anni bisextilis. Secunda tabula communis est ad reducendum annos solares non bisextiles: Habetque particulares tabellas quattuor: videlicet tabellam annorum collectorum: tabellam annorum expansorum: et tabellas duas diuersas mensium. Tertia tabula communis est ad reducendum annos Arabum: qui sunt anni lunares. Que etiam habet tabellas quattuor: videlicet duas annorum collectorum. Tertia annorum expansorum. Quarta mensium Arabum. Preterea vltimo tabula omnibus eris

generalis cōposita adiacet: ad reducendū quasuis eras p annos latinos Alfonsi regis. Que scdm numerū nouē erarū in tabellas nouē particulares annorū collector diuidit. Quas tabella cōis illis annorū expansor vna cum tabella mensū bis replicator a Junio inchoantiū. s. non bisextiliū supius: inferius autē bisextiliū subsequit in calce. Quē qdē singula tituli tabularū tabellarūq; particulariū positi in fronte lucide indicent cuiūq; intuenti. ¶ Sed lucidioris intelligētie grā hic est animaduertendū: q; anni collecti dicunt hi qui descripti in tabulis p 20. annos a se inuicē distant: vt in principio tabularū extractionis erarū in pmo ordine numerorū facile intelligi potest. Addēdo enī ad primos annos collectos 20. statim excreſcūt prime sequētes. Anni 40 expāsi dicunt hi q p 20. extēsi se p̄tinue sine interruptiōe sequant: vt ad sensum in tabellis annorū expāsorū videf. Ubicūq; autē lra. b. in tabella annorū expāsorū inuenit positi: annū fore bisextilē designat. Annus vō sequēs prim⁹ post bisextilē intelligit: deinde secundus: dein de tertius. z sic consequēter: vt in tabellis ipsis annorū expāsorū sicuti z in ceteris intuenti eas apparet manifestissime. ¶ Præterea non displicebit intelligere non absq; causa tabulas temporū z erarū tabulas motū antecedi. Tempus enī vt apud Aristotelem quarto phisicorū legimus: est mensura motus primi mobilis. Cum igit motū quēpiā celestiuū intelligere desideram⁹: necessaria est nobis tēporū precognitio ex tabulis temporū: vt cognita tēporis dimensionē motū cor̄respondentē sibi dep̄rehēdam⁹ ex tabulis ipsorū motū. ¶ Præterea astronomi priores motus corporū celestiuū diligētissimis cōsiderationib⁹ obseruātes: eosdē alio z alio tēpore: temporib⁹. s. sub diuersis regū siue principū diuersarū nationū posteriorib⁹ descripserūt. Que qdē item nationes diuersam quātitatē anni atq; principiu variū faciunt. Annorū nāq; alij Romani siue Solares: alij Arabū siue Lunares. Et de solaribus alij bisextiles: alij non bisextiles. Et de bisextilib⁹ alij incipiunt a primo anno post bisextū: quidā in secūdo: quidā in tertio. Et qdā a Ianuario incipiunt: alij autē in alijs mensibus. Ea de re igit vt tabularū istarū doctrina sit cōis oib⁹: diuersere regum z principū ere: z annorū quātitates atq; initia in istis tabulis erarum cōscripta inueniunt. Que in expositione tabularū earundē liquido patuit. Et tituli earum cuilibet non crasso ingenio eas intuenti lucidissime cōmonstrant. ¶ Ceterū non incōmode z hoc quidē est hic notandū q; in temporū distinctione: quā vnlgus annis mensib⁹ z diebus ac horis peragit: ad vsum tabularū istarū Alfonsi: vt diuisio temporū diuisioni motū cor̄respondat: incedimus modo phisico: p numerū. s. sexagenariū. Itaq; via incedimus duplici: colligendo. s. z frangendo. Colligimus namq; dies ab vno vsq; ad sexaginta. z vocamus dies Prima. z cum collecta fuerint. 60. Prima: ponimus pro eis vnitatē: z vocant illa q ibi colligunt Secunda. z cū puenerint. 60. Secunda pro eis ponimus iterū vnitatē: z vocamus Tertia. z cum de illis colligim⁹ vsq; ad sexaginta: pro illis etiā ponimus vnitatē: z vocant illa Quarta. Dicat ergo ergo breuiter q; dies vocant Prima. z. 60. Prima faciūt vñū secundū: qd dieb⁹ 60. equalet Et 60 Secunda vñū Tertiū valet: qd diebus. 3600. equialet: qui fere decē sunt anni Romani. Et. 60. Tertia vñū constituūt Quartū. quod diebus. 216000. equipollet. qui annos fere. 600. Romanos comprehendunt. Et vl

fra Quartā non progredimur nostro euor: cum multo plures essent anni q̄ indi-  
 gemus anteq̄ sexaginta Quarta complerent. Essent enim plus q̄. 36000. anni.  
 Que quidē Prima Secunda Tertia z Quarta ita in ordine se habent: vt semp  
 maior: sumā z prior in tempore prius z versus sinistrū inscribat more Arabum:  
 minorz z posterior: secundario et versus dextrum locetur in numerorū textu.  
 Cfrangendo vō tempus sistr p sexagenariā incedimus diuisionē. Diuidimus  
 nāq; dies (quos vulgus horis. 24. distinguit) per sexaginta particulas equales:  
 quas vocamus Minuta dierū. Et quodlibet minutū in. 60. Secunda. z quodli-  
 bet Secundū in. 60. Tertia. Et ita consequēter vsq; ad Quarta Quinta Sexta  
 Septima z Octaua zc. agere liceret: diminuendo si videret. Tempoz autē bu-  
 iusmodi diuisio est multū pueniēs ad inueniēdū mor<sup>o</sup> celestes: cū distinctio mo-  
 tuū (vti mor subsequēter patebit) sit p. 60. Statim enī cū scio q̄ aliqs planetaz  
 moueat in die p vnū q̄. scio q̄ in. 60. dieb<sup>o</sup> mouet p vnū signū: qd̄ valet. 60. q̄. Et  
 in vno minuto diei: qd̄ est sexagesima particula diei mouet p vnū minutū: qd̄ est  
 particula sexagesima gradus. Et ita de alijs pariter est intelligēdū. Fractio autē  
 hec tps̄ vti iam dixim<sup>o</sup> ex tabellis cōuersionis horarū z minutoz zc. in minuta  
 diei zc. z ecōtrario zc. facillime intelliget. Sunt enī due tabelle quas tituli eaz  
 ostēdent. Quarū dispositio hec est. Tabellarū istarū prima in duas tabellas par-  
 iculares diuidit. Prima inseruit puerfioni horaz tñ in minuta diei. Secunda  
 puerfioni minutoz secundoz z tertioz z quartoz i minuta z secunda z tertia et  
 quarta diei indifferēter: vt in sua patebit propositione. Mutat enī ibi denomi-  
 natio subscriptionis: vt si prima linea sunt minuta hore: in prima linea edirecto  
 sunt minuta dierū. Si secunda: proxima linea sunt secunda: z sic de alijs. Minus  
 rei ratio ē: quia sicut se habz minutū hore ad minutū diei: ita se habz secundū  
 hore ad secundū diei zc. Secunda tabula inseruit conuersioni minutoz secun-  
 dorum tertioz z quartoz zc. diei in horas z minuta z secūda z tertia z q̄rta zc.  
 ratione qua supra. Necessitas prime tabelle fuit: q̄ p operationes instrumētō z vel  
 p horalogiū sciunt: possem<sup>o</sup> motus eis correspondētes p istas tabulas iuenire:  
 cum dies naturalis vti dictū ē: hic nō i horas: sed in minuta dierū distinguat.  
 Secunde autē tabelle. s. puerfiois minutoz diei zc. in horas z minuta zc. necessi-  
 tas fuit: vt cognita aliq̄ iunctione vel eclipsi z huiusmōi: z hoc p tabulas istas:  
 in quib<sup>o</sup> operamur p minuta dierū: z non p horas: sicut dictū est in pcedentib<sup>o</sup>:  
 sciremus horas z minuta horaz zc. minutis dierū z secundis zc. equiualentia:  
 vt tps̄ illud p infra q̄ p horas distincta sunt possem<sup>o</sup> si opus esset obseruare zc.  
 CDistinctio autē motuū celestiuū nō dissimili sit via q̄ in tpe. Gradus nāq; g  
 est pars sexagesima signi p̄fici: quoz sex faciūt circulū zc. reuolutionē. Vel tri-  
 gesima ps signi cōmūis: quoz duodecim faciunt circulū sine reuolutionē. Vti  
 hoc in loco. s. in collectiōe motus integroz. Igit̄ enī collecti fuerint. 60. gradus:  
 ponit p eis vnū signū p̄ficiū in istis tabul<sup>is</sup> frequētius: licz in nōnullis tabu-  
 lis hic insertis: s. 30. gradus colligunt: p eis ponit vnū signū cōmune: vti pa-  
 tebit opanti. In fractiōe at mor<sup>o</sup> diuidit. q̄. iii. 60. m. z minutū. i. 60. z. z secun-  
 dum in. 60. 3. z tertium in. 60. 4. z ita si libuerit vltra modo illo quo fit in tpe.

**R**atio autē istius: cur Astronomi operationes suas vtplurimū sexagenario numero perficiūt: est ista. Tempus enī ⁊ motus celestes sunt de numero continuorū. Continuu autē licz potest suscipere diuisionē quantamciqz. est enī diuisibile in semp diuisibilia: Et si quia nullus numerus sub centū est ita aptus ad diuisionē vt sexaginta. Diuidis enī in duas partes: ut in ter 10. Diuidis in quatuor partes: vt in quater. 15. Diuidis in quinqz partes: vt in quinquies. 12. Diuidis in sex partes: vt in sexies. 10. ⁊ ita consequēter ⁊c. Merito ergo astronomi calculantes ī tabulis: suas operationes numero sexagenario frequētius perficiūt.

**U**ltimo hic non est ignorandū: qd Era est tēporis dignitatis honoris vel memorie grā inchoati ab aliquo euo regum siue principū digno memoria vsqz in aliud considerationis siue propositū tempus cōmoda cōnumeratio.



**T**empus igit quodlibet: hoc ē Numex annoz mensū atqz dierū a principio alicuius ere note incipientiū trāsfactorz ad 4 3 2 et 1 per tabulas ad hoc factas reducē: siue crā aliquam constituere. Intra qm cum numero annoz collectorz in tabulas deseruiētes illi ere: scdm qd potes vide. re p titulos tabularū. Et si pscise poteris numeros illoz annoz inuenire: inuenies in directo 4 3 2 et 1 illis annis equipollentia. Si xō non inueneris pscise: accipe numerū minozē propinquoze ⁊ 4 3 2 et 1 que inuenies in directo scribe extra ad partē eodē ordine quo sunt. Deinde residuū annoz vel minozē propinquoze quere vt prius in eisdem tabellis: et 4 3 2 et 1 ibi inuenta scribe extra sub alijs: quodlibet sub suo genere. s. 4 sub quartis 3 sub tertijs ⁊c. ⁊ iterū intra cum residuo: si sit residuū: intrando in tabulas tam annoz collectorz qd expansoz quoties oportuerit. Et sili cū mensibz cōpleti opare ī tabella mensū supioz siue priorz si ann⁹ fuerit cois vl nobisextil: siue īferioz vl posteriorz si fuerit bisextil sp subscribēdo ēē sub alijs qd inuenies ī directo: qdlibz sub suo genere: quousqz totū numex annoz ⁊ mensū tolles. Si aut restāt aliq dies de mēse imperfecto: quia ipsi sunt prima: scribe eos sub alijs primis. Quo facto aggrega omnia ad inuicē: incipiendo a primis. Et si ex aggregatione istarū ad inuicē excrefcūt. 60. adde vnitatē in ordine secūdoz. Eodem modo si ex aggregatione secūdoz ad inuicē excrefcunt. 60. adde similiter pro illis vnitatē in ordine tertioz. Et etiā si aggregatione tertioz ad inuicem excrefcūt. 60. adde pro illis vnitatē in ordine quartoz. Residua vō sint in locis proprijs. Quo facto 4 3 2 et 1 que in toto numero annoz mensū ⁊ dierū propositoz cōtinebant: tibi pueniēt. Et era quā volebas est constituta.

**E**t vt res he facilius capient vtemur exemplo. Ponat qd cupiamus reducere annos menses ⁊ dies qui trāsinerint a tempore ere Christi note vsqz ad annū propositū siue currentē. 1491. die. 10. Junij. Intra bo igit cum numero annoz propositoz cōpleto. s. 1491. in tabulam propriā cōmunē annis Christi. sed non inuenio in linea numeri annoz collectorz. 1491. simul: sed bene inuenio. 1000. ⁊ in directo e.⁹ inuenio 4. 1. 3. 41. 2. 17. 1. 30. que scribo extra ad partē: scdm ordinē eoz quo ponent. ⁊ remanent anni. 491. quos iterū in eadem tabella annoz collectorz quero: ⁊ eos non inuenio pscise

sed bene inuenio. 400. annos. & in directo eorū inuenio 4. 0. 3. 40. 2. 35. 1. 0. que scribo extra sub alijs quodlibet sub suo genere: videlicet 4 sub quartis &c. et remanēt anni. 91. quos iterū in eadem tabella annorū collectorū quero. & eos iterū non inuenio p̄scise: sed bene inuenio num̄ ex propinquo rē minoꝝ. s. 80. et in eorū directo inuenio 4. 0. 3. 8. 2. 7. 1. 0. quos iterū scribo extra sub alijs quodlibet sub suo genere &c. vt supra. & restant anni: qui non inueniunt in tabella eadem annorū collectorū: cum illa non habeat ita parū numerū. incipit enī a 40. Intro igit in secundam tabellam: que deservit annis expansis Christi: & inuenio intentū. s. annos. 11. & in directo eorū inuenio 3. 1. 2. 6. 1. 57. que iterū sub alijs extra scribo: quodlibet sub suo genere &c. Sed si forte non inuenire prop̄situm ita p̄scise: vtputa si residuū annorū cum quo intrare in hanc tabellam annorū expansorū essent anni. 26. intrarem primo cum annis minoribus prop̄ quib⁹. s. 10. & quod in directo eorū inuenire scriberē iterū extra sub alijs &c. Deinde cum residuis. 6. annis iterū intrare in eandē tabellam annorū expansorū: & quod in directo eorū inuenire scriberē similiter extra vt supra. Sed redeam⁹ ad eam prop̄ositā nostrā: vbi remanent ex predictis annis expansis menses. 5. quos quia est annus bisextilis quero in tabella inferiori mensum Christi: & est Maius completus. & in directo eius inuenio 1. 2. 1. 32. que similiter scribam sub alijs &c. vt supra. Et vltimo residui sunt dies. 20. qui quia sunt prima eos scribo sub primis. Et deinde omnia ista aggrego ad inuicē: quodlibet ad suum genus scdm̄ modū supra dictū &c. & numerus quator⁹ tertioꝝ secundorū & primorū qui prouenerit: est numerus quem volebamus. sciam anni currētis. 1491. die 20. Junij reductū: ita videlz 4. 2. 3. 31. 2. 19. 1. 19. Que oīa ī operatiōe sup̄posita cernere ligatissime poteris. Numerus ānoꝝ. 1491. Die. 20. Junij. currentiū. Numerus annorū p̄fectorū. 1491.

### Propositio secunda.



Re alicuius ignote quarta tertia secundā & prima a principio alicuius ere ex eris in istis tabulis

| Menſes.           | 5.   | Dies. | 20. | 1  | 2  | 3  | 4  |
|-------------------|------|-------|-----|----|----|----|----|
| Anni collecti     | 1000 | 1     | 41  | 17 | 40 |    |    |
| Resid. collector  | 400  | 0     | 40  | 30 | 0  |    |    |
| Resid. min⁹ coll. | 80   | 0     | 8   | 7  | 0  |    |    |
| Anni expansi      | 11   |       | 1   | 6  | 57 |    |    |
| Menſes            | 5    |       |     | 2  | 32 |    |    |
| Dies              |      | 20    |     |    | 20 |    |    |
| Era               |      |       |     | 2  | 31 | 19 | 19 |

positis transacta vel incipientia per aliquam aliam eram cognitā inuenire. Cognitus quartis tertijs secundis & primis a principio alicuius ere note & prop̄site per primā. s. precedentē prop̄sitionē: Tunc ex tabula differētiarū vnius regni ad aliud: scias differētiā inter eram cognitā & incognitā: aut e cōuerso: videlicet quot 4 3 2 et 1 sunt inter eram tibi notā & aliam ignotā. quā differētia serua. Deinde scies etiā vtrum era cognita precedat eram incognitā: aut e cōuerso. Quo cognito adde differētiā. s. 4 3 2 et 1 que sunt inter duas eras ad 4 3 2 et 1 que habes: si prece-dat era ignota. vel subtrabe eandem si subsequat. Et numerus post augmentū vel diminutionē pueniens ostendit 4 3 2 et 1 a principio illius ere incognite per transita vsq; ad tēpus cōsiderationis tue: vel tempus prop̄ositū. Clerici grā



Uolo ere ignote. s. a tempore diluuij vsq; modo quarta tertia zc. scire p quarta ter ia zc. transacta a tēpore ere xristi vsq; in tēpus p̄sens. s. ad vigesimū diē Junij anni currētis. 1492. que mihi sunt nota p propositionē primā. s. p̄cedentē primo. z sunt 4. 2. 3. 31. 2. 19. 7. 19. Tūc video in tabula differētiarū zc. q̄t 4 3 2 et 1 sunt inter Diluuiū z xristū. z inuenio 4. 5. 3. 14. 2. 42. 1. 39. que addam ad illam quam habui: quia Diluuiū p̄cessit xristū. z p̄ueniunt 4. 7. 3. 46. 2. 1. 1. 58. Et est p̄positum.

### Propositio tertia.



Re alicuius q̄rtis tertijs secūdis z primis cognitis: numerū annorū mensū z dierum in eis cōtētorū inuenire. Et est cōuersum prime propositionis. Si uolueris hoc: Intra cum numero quar torū zc. a principio alicuius cre p̄transitorū in tabulam propriā illi ere: que tibi per titulos patebit: uidelicet Quere cum numerū in quattuor ordinib⁹ numerorū sequentib⁹ ordinē primū. s. annorū collectorū. Et si eū numerū poteris p̄cise inuenire: annos quos inuenieris in directo scriptos in primo ordine numerorū: sunt anni quos queris cōrespōdentes. Si autē ea p̄cise non inuenieris tunc quere etiā in eadē tabella numerū minorē propinquiorē. z numerū annorū in directo inuentū extra scribe. Postea illa 4 3 2 et 1 quorū numerus erat minor q̄ numerus illoz cum quibus debebas intrare: subtrahē ab illis. z cum residuo: vel cum minori propinquiori intra iterū tabellam eandē: vel annorū exp̄forū: in quibus poteris illū numerū vel minorē propinquiorē inuenire. z semp numerū annorū in directo inuentorū scribe extra sub alijs p̄ius scriptis. Deinde semp cum residuo totiēns intra tam in tabellas annorū collectorū q̄ exp̄ansorū: z etiā mensū: semp subtrahēdo vt p̄ius. Et annos z menses quos in directo eorū inuenieris: sub alijs annis scribe: quousq; nihil sit residui de p̄positis q̄rtis tertijs secūdis z primis. Vel saltē si sit residuū: z sit ita parū q̄ non possit cōplere mensem sequentem: tunc illud residuum erit dies mensis incompleti sequentis menses quos per operationē inuenisti: vel erit dies primū mensis nondū cōpleti si nullū mensem habuisti. z qd̄ p̄uenit: est p̄positū. Sciendū q̄ tñ in ista propositione z in p̄cedenti: q̄ si annus incompletus fuerit cōis vel non bisextilis oportet te intrare in tabellam mensū vel superiorē vel priorē. z si fuerit bisextilis: intra in tabellam mensū inferiorē vel posteriorē. Sic enī menses in tabella suis duplici positione (ratione opificij cogēte) inueniētes se efficiēt. Cuius rei hoc vide exemplū. Sit Ere Diluuij numerus reducēdus in annos z mēses xristi zc. iste. 4. 7. 3. 46. 2. 1. 1. 58. Sed quia querēdo istum numerū in tabula propria. s. xristi in quattuor ordinibus numerorū post lineam numeri annorū cum p̄cise non inuenio: accipio igit numerū minorē propinquiorē ei: hunc uidelicet 4. 6. 3. 45. 2. 50. 7. 0. cuius annos in directo sibi cōrespōdētes scribo extra: uidelicet. 4000. Residuū ex subtractione minoris a maiori numerorū iam habitoz p̄ueniens est iste: uidelicet 4. 1. 3. 0. 3. 11. 1. 58. Sed

tis inuenio in directo die. 0. m. 35. 7. 0. Similiter inuētis minutis horarū. f. 46  
in linea numeri minutoz: inuenio in directo eorū m. 1. 7. 30. Similiter in eisdē  
lineis numeri inuētis secundis. 45. inuenio in directo mutando denominationē  
2. 1. 3. 52. 4. 30. Que simul addita sunt m. dierū. 36. 7. 31. 3. 52. 4. 40. Et  
ita in ceteris. Et habes propositum.

### Propositio

### Quinta

Inuta dierum et 7 et 3. ad horas et minuta horarum et.  
reducere: et conuersum propositiōis precedentis. ¶ Numo  
rū minutoz dies: quere in linea numeri in tabula que con  
uerſionis minutoz dierū in horas et minuta horarum et. in  
ſcribitur. Et numerus quē inueneris in proxima linea: ſunt  
hore et in ſequenti minuta horarū: ſicut ſupraſcriptio mani  
feſtat. Scribe ea extra. Deinde intra cum ſecundis dierū  
in lineam numeri in eadem tabula. et tunc quod inueneris  
in proxima linea ſunt minuta horarum: et poſtea 7. Scribe ea ſub alijs prius ſcri  
ptis: quodlibet ſub ſuo genere. Deinde intra cum tertijs dierum ſi habes 7. et il  
lud quod inueneris in proxima linea ſunt 7 horarum: deinde 3. Scribe ea ſub  
alijs prius ſcriptis. Et ſic ſemp mutat denominationis ſupraſcriptiōis ſcōm diuer  
ſos introitus. Quo facto adde omnia ad inuicem: et reſultans propositū. Nec  
quia facilia ſunt intellectu induſtrie cuiuſcunq; relinquunt exempla.

### Propositio

### Septa.



Quantam anni mensis vel diei cuiusuis: hoc est feriam: per tabu  
lam ad hoc factā inuenire. ¶ Reductis annis mensib⁹ et die  
bus ad 4. 5. 7 et 7 per primā buis: Accipe ex tabula notarū  
anni ſcribendo e⁹ radicē id est numerum feriarū per quem  
intrauit illa era ad quā operar⁹: quā habes in tabella in fron  
te tabule. Deinde cū numero quartoz intra tabulam Notaz  
in linea numeri cōmunis. et numerū inuentum in directo ſub  
numero tituli quartoz ſcribe extra ſub numero radicis. Eodē modo fac de ter  
tijs ſecundis et primis: ſcribendo vnū ſub alio. Poſtea totū adde ſimul. et quod  
puenit: p ſeptē diuide. Aut aliquid erit reſidū: aut nihil. Si nihil: dies ſequē  
ntrabit in prima feria: hoc est dñica die. Si qd aliquid fuerit reſidū: tunc in  
trabit per talem feriam qualis eſt numerus infra. 7. remanēs. Ut exempli grā  
Si velim inuenire quotta feria ſit dies. 21. Junij anni currētis. 1492. buis mē  
ſis vſq; ad. 21. diem excluſiue Junij eſt era p primā reducta hec 4. 2. 5. 31. 7.  
19. 7. 19. Acceptā radice incarnationis ex tabella: videlicet. 7. inuenta et ſcripta  
Deinde cū numero quartoz ere que ſunt. 2. in linea ſub titulo quartoz accipio  
2. que ſcribe extra. Deinde cū numero tertioz que ſunt. 3. in linea ſub titulo  
tertioz inuenio. 6. que ſcribo ſub alijs. Cū numero ſecundoz que ſunt. 19. acci

quod est oppidū Hispanie celebratissimū: vbi tabule iste motū olim ductū illū  
 strisimi Alfofi regi Castelle fuerūt cōposite. Nō tñ ob hoc cetera loca fraudent.  
 Sed quēadmodū ipso radicib⁹ nō mutatis quasi cōmunes omnib⁹ meridianis  
 vtemur: ppositio sequē primo edocebit. Dicunt aut radices iste scdm quandā  
 similitudinē. Sicut enī radix in arbore est fundamentū augmenti ⁊ fructuū: ⁊  
 p̄supponit radicē in arbore: Sic motus celestiu ⁊c. inuenti ad eras hic positas  
 sunt fundamentum inuētōis ad tempus considerationis: siue ppositum ere  
 cuiuscunq; siue p̄teriti siue futuri motus. Radicē igit mot⁹ quācūq; si volue  
 ris: siue radicē Scdi mobilis: hoc est Augiū ⁊ stellarū fixarū: siue Trepidatio  
 nis vel Accessus ⁊ recessus. Item Solis ⁊ Lune: Capitis draconis. Itē radicē  
 Argumētōr Lune Veneris ⁊ Mercurij. Item radicē motus Martis Iouis ⁊  
 Saturni ⁊c. Radicē item Elongationis Lune a Sole: siue Argumenti latitudi  
 nis Lune: querēdo eas in tabula radicū: nisi p̄ofusa ebes sis ingenio: inscriptio  
 tibi radicem quā cupis q̄cōmodissime in sua tabella ostendet: Accipio hic non  
 occupemur exemplo.

**Propositio prima. Mōna.**



**X** tabulis Mediorū motū quorūcunq; dispositiōe earū  
 cognita: mediū motū quēlibet: hoc est punctū mediū excef  
 sus velocissimi motus sup tardissimū centri corpōr celesti  
 in Zodiaco: ad quodcūq; tempus datū siue eram datā: ad  
 quemcūq; meridianū inuenire. ¶ Tabularū mediorū mo  
 tuū: quorū tredecī in his tabulis locis suis positi inueniunt.  
 s. Secundi mobilis: hoc est Augiū ⁊ stellarū fixarū. Trepida  
 tionis hoc est Accessus ⁊ recessus sideree sphere. Itē mediū motū Solis: qui  
 semp est ⁊ Veneris ⁊ Mercurij. Et mediū motū Lune: ⁊ Capitis draconis. Itē  
 mediorū argumētōr Lune Veneris ⁊ Mercurij. Mediorū motū Martis Io  
 uis ⁊ Saturni. Ultimo tabula Elongationis Lune a Sole: ⁊ tabula argumenti  
 latitudinis Lune. Earū dispositiō est cum lineis numeris: que quartis tertijs se  
 cūdis ⁊ primis sunt cōmunes ere cuiuscūq;. Quibus edirecto mutatis denomi  
 nationib⁹ motus i signis qm 1 2 3 ⁊ 4 correspondēt eis ascripti: prout propositio  
 hec inferi⁹ exponet: ⁊ tituli in fronte ⁊ in pede tabule cuiuscunq; admonent.



**M**ediu igit motum si velis inuenire. Et est propositio generalis.  
 Reduc totū tempus incipiēs a principio alicuius ere tibi note vq;  
 ad diē consideratiōis tue: siue ad temp⁹ ppositū ad 4 3 2 ⁊ 1 p  
 p̄mā hui⁹. Silr reduc horas ⁊ minuta hōr ad minuta ⁊ 2 dierū: si  
 habueris horas ⁊ minuta horarū vltra diem considerationis tue: siue tempus  
 ppositū: p quartā Equatione tñ dierū prius ab ipsis subtrac̄ta p modū vti do  
 ces i tabula regionū: ¶ Et si forte loco habitationis siue p̄sideratiōis exigente ad  
 aliū meridianū q̄ Toleti velis inquirere motus: necesse est vt tempus distantie  
 meridiani locū tue p̄sideratiōis siue habitationē ⁊ Toletū interiacens addas  
 tempōri pposito ad quod vis reperire motus. si habitatio illa tua fuerit occi  
 B

dentalioz Toletio. aut subtrahat si orientalioz fuerit Toletio. et tempus quod post  
 additione vel subtractione puerit: est illud cum quo operaberis. equatione tu  
 dieru. vt supra prius semp subtracta. Quo facto scribe primo radice illius mo-  
 tus acceptu per. 8. huius. s. precedentem ad tempus illius ere per. que operaris.  
 Quia radice scripta extra ad partem: ingredi in tabula illius medij motus que  
 queris cum numero quatorz. et quod inueneris in quarta linea post lineam nu-  
 meri. s. in linea que intitulat 4: illud sunt signa. in sequenti gradus. postea minu-  
 ta et c. per ordine fractionu. Scribe igit ea extra sub radice prius scripta: quodli-  
 bet sub suo genere. Deinde intra cum numero tertioz in eandem tabulam. et qd  
 inueneris in linea que intitulat 3 sunt signa. et in sequenti gradus et c. per ordinem.  
 Scribe igit ea sub alijs prius scriptis quodlibet sub suo genere. Postea intra cum  
 secundis. et quod inueneris in linea que intitulat 2 sunt signa et c. per ordinem. Scri-  
 be ea iteru extra sub alijs: vt predictu est. Deinde intra cum primis. et quod in-  
 ueneris in proxima linea sunt signa et c. per ordinem. Scribe ea iteru extra sub alijs  
 more iam dicto. Quo facto si habes minuta dieru: intra cum eis ipsam eandem  
 tabulam. et quod inueneris in proxima linea post lineam numeri sunt gradus. et  
 postea minuta et c. per ordinem. Scribe iteru ea extra sub alijs. Deinde intra cum  
 secundis dieru si habes 2 in eadem tabula. et quod inuenis in proxima linea sunt  
 minuta et c. per ordinem. Scribe iteru ea sub alijs prius scriptis. Et sic faceres si  
 haberes plures fractiones temporis. Que autem denominatio signorum et gra-  
 duu et c. quartis vel tertijs et c. correspondeat: patet per titulum superiore in fron-  
 te tabule. Que vo fractio graduu correspondeat cuilibet fractioni temporum  
 patet per titulum inferiore in pede tabule. Quo facto adde omnia ad inuicem in-  
 cipiendo a subtiliori fractione. Et quotienscunq; ex additione excederint. 60.  
 pone da est pro eis unitas in loco fractionis immediate grossioris. Et iste modus  
 est seruandus in istis tabulis vsq; ad signa: quia. 60. gradus valent hic vnu signu:  
 vt supra dictum est. et sex signa faciunt revolutionem vnam. Et ideo si ex additione  
 signoz ad inuicem excescant plura signa q; sex: subtrahende. 6. quoties poteris:  
 et residuu serua. et illud quod prouenit: est illud qd queris de medio motu: et est  
 propositu. Cuius rei hoc accipe exemplum: Ut ad tempus propositu Ere  
 Ebristi. 1492. currite Die. 20. Junij. Hora. 14. m. 36. volo inuenire mediu mo-  
 tum Solis. Reduxi illud tempus ad 4 3 1 et 1 per prima huius. et est 4. 2. 3  
 31. 2. 19. 1. 19. Sed quia horas et minuta vltra diem considerationis: videlicet  
 hor. 14. minuta. 36. equatione dierum que in proposito est. m. 14. 3. 36. ab eis  
 subtracta erunt hore. 14. m. 21. 2. 24. Quas in minuta dieru et 2 et c. conuerto p  
 quarta huius. et erunt. m. 35. 2. 53. 3. 20. Que scribo ad partem. Deinde qa operor  
 per annos Ebristi: accipio radice Solis incarnationis per. 8. quam scribo. et est  
 8. 4. 6. 38. m. 11. 2. 0. 3. 30. 4. 28. Deinde in tabula medij motus Solis cu qn-  
 tis. et sub quartis inuenio motu eis correspondentem edirecto. s. 8. 16. 6. 39. m. 34.  
 12. 38. 3. 27. 4. 42. Que scripta sub radice ingredior eodem modo cu tertijs. s.  
 31. sub tertijs in eoru directo inuenio. 5. 33. 6. 18. m. 8. 2. 16. 3. 58. 4. 12. Que  
 hinc scripta sub radice: deinde cum secundis. 19. in directo eoz sub secundis inue-  
 nio 5. 18. m. 33. 2. 28. 3. 12. 4. 5. Que scripta ultimo cu primis in directo eoru

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 68 - 67 - 37 - 17 - 1  
 69 - 68 - 37 - 17 - 1  
 70 - 69 - 37 - 17 - 1  
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 91 - 90 - 37 - 17 - 1  
 92 - 91 - 37 - 17 - 1  
 93 - 92 - 37 - 17 - 1  
 94 - 93 - 37 - 17 - 1  
 95 - 94 - 37 - 17 - 1  
 96 - 95 - 37 - 17 - 1  
 97 - 96 - 37 - 17 - 1  
 98 - 97 - 37 - 17 - 1  
 99 - 98 - 37 - 17 - 1  
 100 - 99 - 37 - 17 - 1

sub primis inuenio. 5.0. 18. m. 43. 7. 38. 7. 11. 4. 49. Que sibi scribo extra sub  
 alijs 2c. Que singula addita ad inuicem sunt. 5. 1. 8. 38. m. 26. 7. 46. 7. 56. 7. 26  
 Et est medi<sup>9</sup> motus Solis ad tempus Ere pposite ad meridianu<sup>m</sup> Toleti. ¶ Sed  
 si fortassis velles hunc medi<sup>9</sup> motu<sup>m</sup> Solis habuisse ad aliu<sup>m</sup> meridianu<sup>m</sup>: vt puta  
 Nuremberge: Vide distantia longitudinis inter Nurembergā z Toletu<sup>m</sup>. z est  
 hora: 1. m. 24. Quam quia Nuremberga est orientalis Toletu<sup>m</sup>: subtrahere ab ho-  
 ris z minutis tue ere. sibi. 14. m. 36. Deinde a residuo. s. horis: 14. minutis. 21.  
 secundis. 34. subtracta eq<sup>ti</sup>one dieru<sup>m</sup> vt supra. residuu<sup>m</sup> est horis: 14. m. 6. 7. 58. Qu  
 quo residuo. ipso in minuta dieru<sup>m</sup> z 7 p quartā reducto oare: z est videly 4. 1.  
 7. 31. 7. 19. 7. 19. m. 17. 7. 58. 2c. ¶ Dic volo te nō latere: q<sup>o</sup> potes i principio  
 cuiuslibet anni querere omnes medios motus: z media argumēta Lune Clene-  
 ris z Mercurij: z illa ponere in vna cedula: z tenere pro radice. tunc nō oportet  
 te intrare per totu<sup>m</sup> illu<sup>m</sup> annu<sup>m</sup> nisi cum Secundis z primis Minutis z 7 dieru<sup>m</sup>: 2c. si  
 forte habes. m. z 7 dieru<sup>m</sup> 2c. Et erit tibi alluatio magna operis 2c.

### Propositio Decima.



**R**etabulis Equationu<sup>m</sup> cognita earum dispositione: z gene-  
 rali eorum modo introitus: equationes: hoc est centralia  
 puncta pro veris motib<sup>9</sup> eliciendis 2c. extrahere. ¶ Dis-  
 positionē itaq<sup>ue</sup> tabularu<sup>m</sup> eq<sup>ti</sup>onū lineis numeri comunib<sup>9</sup>  
 signis z gradib<sup>9</sup> centroru<sup>m</sup> z argumētoz inferuiētib<sup>9</sup> primo  
 ordine numeroz positos siles eē fere in singulis cernimus.  
 Signa autē partim in superiori parte: hoc est in fronte su-  
 pra primā linearū lōgitudinaliū: q<sup>ue</sup> est graduū: z q<sup>ue</sup> descendit  
 augmētando ponunt: Partimq<sup>ue</sup> in inferiori parte: hoc est in pede supra secūda  
 linearū lōgitudinaliū: q<sup>ue</sup> sibi est graduū: z q<sup>ue</sup> ascendit augmētando inueniunt<sup>ur</sup> posita.

In ceteris s<sup>o</sup> ordinib<sup>9</sup> numeroz: vt videri potest in titulis iuxta exigentiā diffi-  
 milis est eoz dispositio. Et vt particulari<sup>9</sup> rem intelligam<sup>9</sup>: in tabula equationu<sup>m</sup>  
 octauę sphere tres solū tabelle cū totidē lineis numeri sunt descriptę. Equatiōes  
 enī correspōdētes edirecto tñ ad quartā sunt circuli: hoc ē signū vnu<sup>m</sup> z dimidiū  
 p<sup>ri</sup>mo. Tabelle tñ ille z equatiōes signis oib<sup>9</sup> sex p<sup>ri</sup>mo accōmodent<sup>ur</sup>: vt de nu-  
 mero signorū ibi apparentiū apparet. In supiori enī parte supra lineas numeri  
 signa numero. 0. 1. 3. 4. ponunt. In inferiori v<sup>o</sup> parte signa descripta numero. 1.  
 2. 4. 5. inueniunt. Sub quib<sup>9</sup> descēdendo vel ascēdendo edirecto graduū linea-  
 rū numeri equationes cū differētijs suis correspōdentib<sup>9</sup> ponent<sup>ur</sup>: vt ad sensum  
 in tabellis apparet. In tabula autem equationum Solis Lune z planetarū sex  
 ponunt tabelle partiales: que in vna medietate zodiaci sunt extense: habētes sin-  
 gule lineas binas lōgitudinales graduū cū signis. z in frōte supra primā linearū lō-  
 gitudinaliū numero aut. 0. aut. 1. 3. aut. 4. z in pede supra secūda linearū lōgitu-  
 dinaliū numero aut. 3. aut. 4. aut. 5. Et ex opposito graduū equationes semper  
 scribunt. In Sole Argumenti tantū. In Luna vero z planetis equatio centri:  
 Minuta proportionalia. In Luna iterum Diuersitas diametri. In reliquis

longitudines & longiores & propiores & Equatio argumēti positi inueniuntur. Differētie item equationū: que nō aliud sunt nisi excessus maioris equationis ad minorem supra lineas inscribunt. Circa has equationes tā supra q̄ infra tituli Adde vel Minue inscribunt. Et circa duas A additionē designās: vel M minutionē denotās infra aut supra scōm q̄ cōuenit positi intuent. ¶ Aniaduertēdū tñ hic: q̄ qñ in tabulis equationū occurrit paragrabbus: tunc ibi in differentia tam in superiori q̄ in inferiori margine ponunt due lfe vel A & M vel AD & A sic q̄ vna posita est supra aliā. Quarū superior vel exterior respicit equationes et differētiās que sunt supra paragrabbū. Et inferior: sifr vel interior respicit eq̄tiones & differētiās que sunt sub paragrabbō in vtroq; margine. Et hec est dispositio tabularū equationū generalis. ¶ Modus autē generalis introitus in tabulas equationū est cū signis & gradibus cētri vel argumēti inuenti: vt propositio ppria inferi° priorio loco suo docet. Si ergo in quacūq; tabula signum cum quo intras reperiū sit in margine vel spacio superiori: tunc gradus cum q̄ intras accipiunt in prima linearū longitudinaliū descēdēdo. & ex directo eiusdē gradus versus dextrū si fuerit centrū equatio centri: & minuta proportionalia. Si vō fuerit argumētū: equatio argumēti & diuersitas diametri: vel aliq̄ longitudinaliū accipiunt. quas equationes cū titulis Adde vel Minue sibi suprapositis extra scribe ad partē. Deinde differentia accipies: si vltra gradus habueris minuta zc. q̄ immediate scribis in linea proximo sequenti ex directo. Et consideretur lfa scripta supra differentia in superiori margine. Et eadem littera si fuerit A significat q̄ pars proportionalis ex ductura inuenta sit addēda equationi accepte. Si vō fuerit M significat q̄ pars proportionalis sit subtrahēda ab equatione. Si autē signū cum quo intras sit in margine inferiori: tunc gradus signū accipiunt in secunda linearū longitudinaliū ascēdēdo. & iterū ex directo eiusdē gradus versus dextrū accipis equatio centri vel argumēti zc. vt supra: que scribis sifr extra ad partē vnā cum titulo Adde vel Minue sibi supraposita. Deinde accipis si vltra gradus fuerint minuta zc. differētia q̄ immediate sequis in linea ascēdēdo. & consideras littera scripta sub differētia in margine inferiori. q̄ littera scribis extra circa differentia. Et eadē littera si fuerit A significat q̄ pars proportionalis ex ductura inuenta sit addēda equationi accepte. Si fuerit M significat q̄ sit minuēda & vtroq; istorū modorū pūcit eq̄tio eq̄ta siue vera. Que addis vl subtrahis a medio motu putiferi i trib° ppositiōib° picipis

### Propositio

### Undecima.



Ucturam autē vel modū ducendi vnū numerū in aliū: pro parte pportionali inueniēda subiungere. ¶ Animaduertēdū: q̄ arcus omnis quo mediāte alius arcus inuenit: vtplurimū Centrū vl Argumētū nominas: & tñ signa & grad° cōtinet. Et illud qd mediantibus illis arcubus inuenit in tabulis: cōmuni nomie appellari potest Equatio. Cū ergo babueris aliquē arcū cū quo erit intrādū ad tabulas ad acci

piendum equationē zc. z in eo fuerint vltra signa z gradus minuta z  $\frac{1}{2}$  z cetera  
 fractiones. Si fractiones ille non fuerint diuersarū denominationū: accipiant  
 ipsemet fractiones vt iacent. Sed si fractiones iste fuerit diuersarū denomina-  
 tionū: reducere oportet eas ad denominationē minoris fractionis z eiusdē de-  
 nominationis. z vocentur primus numerus. Sicut si differentie accepte fractiones  
 non fuerint diuersarū denominationū: accipiant ipsemet fractiones pnt iacent.  
 Si vō fractiones ille fuerint diuersarū denominationū: oportet etiam eas redu-  
 cere ad denominationē minoris fractionis z eiusdē denominationis. z vocen-  
 tur secundus numerus. Tunc multiplica hunc secundū numerū per primū. z illud  
 quod ex tali multiplicatione puenerit: est pars proportionalis quesita. Quam  
 nota cum eius denominatione: quoniam tale pductū denominat a numero resul-  
 tante ex additione numeri denominantis fractiones primi numeri: cum numero  
 denominante fractiones secundi numeri: Ut verbigra: Si numerus denominans  
 fractiones primi numeri fuerit numerus binarius: eo q̄ tales fractiones fuerāt  
 $\frac{1}{2}$ . et per simile numerus denominans fractiones secundi numeri fuerit etiā nu-  
 merus binarius. tunc numerus pductus ex multiplicatione primi numeri p se-  
 cundū erit  $\frac{1}{2}$ . quoniam aggregādo duo cum duobus que denomināt fractiones  
 primi z secundi numeri: pueniūt. 4. Et si vnus duorū denominatorū fuerit bina-  
 rius numerus: z alter vnitas: pductū erit  $\frac{1}{3}$ . Et si ambo fuerit vnitas: pductū  
 erit  $\frac{1}{4}$ . Et si vn⁹ fuerit binarius: z alter ternarius: pductū erit q̄nta. z sic de alijs  
 Et si ista pars proportionalis sit minus. 60. ipsaz accipe vt iacet. Si vō fuerit 60  
 vel plus: reduc totū ad grossiores fractiones tibi possibiles: diuidendo per. 60.  
 Exempli gra: Volo sumere partē proportionālē de. 20. scdm proportionē de. 60  
 ad. 12. hoc est dicere: Debeo reperire vnū numerū qui se habeat in eadem pro-  
 portione ad 20. in qua se habeat. 12. ad. 60. Erīt itaqz. 60. primus. 12. secundus  
 tertius autē. 20. multiplico. 20. in. 12. z sunt. 240. que diuido per. 60. et proueniūt  
 4. Est igitur. 4. pars proportionalis de. 20. sicut. 12. de. 60. quia vtrobiqz quinta  
 pars. Sicut in omnib⁹ alijs ages. C Ex tabulis autē in quibus differentie scripte  
 non apparent cum titulis: vt fit preter in equationū tabulis: ceteris fere omni-  
 bus: differentia ipsa hoc modo extrahit. Intra primo cum numero signorū z gra-  
 duū: querēdo in lineis numeri numerū consimilē. z equationē quā inuenies in  
 directo existentē scribe extra ad partē. Postea vō si habueris aliquas fractiōes  
 in arcu cum quo intraisti prius vltra signa z gradus: tunc cum vno gradu addi-  
 to ad arcū cum quo prius intraisti iterum intra cum tali arcu accipiendo iterū  
 equationē in directo existentē sicut prius. Et tunc minore equationē a maiori  
 subtrahē. z illud quod remanet est discretia. De qua si partē proportionalem  
 acceperis vt supra: eam adde equationi prime: si fuerit minor equatione secun-  
 da. vel subtrahē eam a prima equatione: si fuerit maior q̄ secunda. z quod post  
 subtractionē vel additionē puenerit: est equatio preficta. C Itē si in arcu aliq̄  
 intrādo habueris. s. o. g. o. sed fractiones tm. tunc istas fractionēs p equationē  
 acceptā in directo vnus gradus: z nihil in signis vtriusqz ad idem gen⁹ prius re-  
 ductis. z deinde pducto diuiso per. 60. vt dicat: habebis equatio. que deinde ab  
 equatione existente in directo. s. o. g. o. seu. s. 5. g. 59. subtrahat. z erit equatio tui

propositi. Post hac parte proportionali inuēta addimus eā vel subtrahim⁹ ab equatione put ista A vel dñs iuxta scripta admonet. tunc resultabit equatio cōta et vera. ¶ Sed ad multiplicē laborē multiplicatiōis et diuisionis huiusmodi vt supra euitandā: que multonēs in huiusmodi equationib⁹ tā planetarū q̄ eclī pñū euenire solet: cōposita est tabula pportionalis: et his tabul⁹ inserta. Que tabula numero sexagenario tā i margine supiori trāsuerali: q̄ a latere descēdēdo extē dif. Eui⁹ vsus talē ē. Quere vnū numerorū de quo partē proportionālē vis habet scdm proportionē ad 60. scdm i capite tabule et alterū. scilicet fractionē i latere tabule eiusdē. et qd inuenies i angulo cōi: erit proportio q̄ sita: ea cōditione: vt numer⁹ anguli i spaciolo dextro pñt⁹ ē isti⁹ proportiōis quā denoiatores sūt iuncti: vt supra iam dixi constituūt seu producūt. et nūc⁹ in spaciolo sinistro erit prime minutie maior. Si autē in alterutro fuerint diuerse fractionēs: cū qualibet diuisum cū reliq̄ intres. et qd inuenies aggregates: qdlibet. ad suū gen⁹. Si autē in vtroq; sint diuerse fractionēs: cū q̄libet vni⁹: et cū qualibet alteri⁹ seorsum intres. et fac vt pri⁹. et resultat tūc scdm denoiatiōē propositū. ¶ Exēpli grā: Volo ex tabula la proportiōis partē proportionālē sumere cū arcu minutū

24. secundis. 36. 2c. de 60. ad differētiā. m. 2. 2. 24. Quero ¶ Tabella denoiatio nū fractionū

primo minuta differētie. s. 2. in margine supiori: in linea trāsuerali: et minuta que habui in arcu vltra gradus. s. 24 i linea a latere versus sinistrā. et inuenio in angulo cōi numerū: q̄ est. m. 0. 2. 48. Deinde iterū quero minuta illa. 2 in supiori margine: et 2 arcus. s. 36. in latere. et in angulo cōi inuenio numerū: q̄ est. m. 1. 2. 12. Demū sūt q̄ro 2. 24 differētie in supiori margine: et m. 24. arcus in latere. et numer⁹ i angulo cōi: est 2. 9. 3. 36. Deinde iterū illa. 2. 24 q̄ro in supiori margine vt prius: et 2. 36. i latere. et inuenio in angulo cōi numerū: q̄ est. 3. 14. 4. 24. Que si collocent quodlibz sub suo genere: et deinde sūt addentur: erit pars proportionalis inuēta istud. s. m. 21. 2. 50. 3. 24. 4. 0. Quā adde vel subtrabe ab equatione: vt dicitur in propositio nibus. Et sic de singulis 2c. ¶ Item notandū: qd pars proportionalis intelligit accipiēda q̄ncunq; in propositiōe aliqua dicat: si opus est: siue precipias intrandū cū duplici introitu. Denominationes autē et variationes fractionū in ductura p tabulā proportionū in tabella hic appositā patebūt ligdissime.

Propositio

Duodecima.

4. p. 4. 7. 8.

Quā Augis cōis: ex q̄ aux propria Sol⁹ et Mercurij Martis Iouis et Saturni elicitur: ex tabulis ad hoc factis inuenire.

¶ Sciēdū qd ad habēdū motus angū tabulis duabus indigem⁹. s. tabula angū et stellarū fixarū: q̄ est tabula mor⁹ cōtinui. et tabula mediū motus accessus et recessus: qm mor⁹ ille



ex duplici motu componit. & motu continuo: & motu accessus & recessus. Et dicif  
 Aux cois: quoniam cum cuiuslibet planete auge coicat: vt inferi<sup>o</sup> patebit: sif & cum  
 stellis fixis. Cū igit auge cōmunē ad aliquā eram inuenire volueris: prima  
 eram constitue per primā. Secundo mediū motū augiū & stellarū fixarū illius  
 ere non accepta radice inuenias: p. 9. & nota ad partē. Tercio radicē accessus &  
 recess<sup>o</sup> octa. sphere p. 8. accipe quā etiā scribe extra. Quarto cū signis & g<sup>o</sup> d<sup>o</sup>  
 que in medio motu octauæ sphere habes in tabulā eq<sup>o</sup>tionū eiusdē octauæ sphe  
 re intrabis. & equationē pro signis & g<sup>o</sup> d<sup>o</sup> accipe. quā nota extra. & scribe circe  
 eā Adde vel Minue: vt in titulis suis videbis. Quinto si op<sup>o</sup> ē differētiā equa  
 tionis accipe. et circa eam scribe A vel M vt in titulis circa equationē videbis  
 Sexto partē proportionālē iuxta modū in canone vel propositione precedentī  
 dictum inquire ducendo differētiā in residuū numeri. Quam partem propor  
 tionālē adde vel subtrabe iuxta admonitiōē litterarū circa eam: ab equatione  
 prius accepta. & erit equatio equata vel vera. Ultimo eandem equationem  
 equatā siue verā adde vel subtrabe a motu augiū & stellarū fixarū prius accepto  
 prout titulus docebit. & quod post additionē vel subtractionē puenierit Aux cō  
 munis vocabitur. Et est propositum.

### Propositio

### Tertiadcima

Era loca stellarū fixarū ad quodcūq; tps volueris p tabulas  
 tā in lōgitudine q̄ i latitudine inuenire: & magnitudinē earū  
 cognoscē. Nota q̄ stelle fixe quarū loca p astronomos  
 attendunt sunt. 1012. Que stelle ponunt in. 48. imaginib<sup>o</sup> celi  
 Que signa seu figure seu stellatiōes vocant. Clarū igit  
 1012. stellarū ad aliquā erā si volueris inuenire loca: necesse  
 est vt scias prima loca earū verificata ad aliqd tps tibi notū.

Et fuerunt loca earum vltimo verificata per Alphonsum Anno Lbristi. 1251. mē  
 ses. 5. Si itaq; loca earam ad quodcūq; tempus aliud verificare volueris: pre  
 scribe primo auge cōmunē ad tempus ere Alphonsi: ad quam nunc stellas hic  
 habes verificatas. Et ipsa est Signi. 0. gradus. 17. minuta. 15. 3. 34. Post repe  
 ries auge cōmunē ad tempus aliud: ad quod ipsas verificare velis. & ab ea  
 subtrabe auge cōmunē prescriptam. & hoc h tempus ad quod stellas verifica  
 re vis fuerit post annū. 1251. menses. 5. Vel subtrabe ab ipsa auge prescripta: si  
 tempus tale precesserit annū dñi. 1251. mē. 5. & quod post subtractionē manet  
 erit motus stellarū fixarū in tempore quod est inter annū Lbristi. 1251. mē. 3.  
 et ipsum annū seu eram ad quam eas stellas verificare volueris. Hunc igit  
 motū adde ad locum cuiuslibet stelle positū in tabulis istis si tempus tue verifi  
 cationis sequitur annū ere Alphonsi. vel ipsum subtrabe a loco cuiuslibet stelle in  
 his tabulis posito: si tps tue cōsiderationis pcesserit. & hoc intellige de locis earū  
 in lōgitudine. & habebis ipsarū loca i lōgitudine verificata ad tps ad qd volebas.

Abi erant  
 habere  
 marginale  
 1503. q  
 tuz auz  
 temp 9  
 nq lqda  
 2 lper  
 2 vel p  
 lqda  
 lqda  
 819. n  
 13  
 subfr  
 813 p  
 tper  
 813  
 vlt  
 margin  
 it 109

**C**Si autē vera loca stellarū vt supra aliter et per artem Alphonſi inuenire velis: Subtrahere artem Alphonſi ab era tue considerationis. et cum eo quod post subtractionē reliquū erit operare: sicut egisti in medijs motibus: Ut si que ibi fuerint quarte: ingredi tabulā medijs motus Augiū et stellarū fixarū non accepta ratione. Sin tertie: cum tertijs. et sic de reliquis. et quod puenit singulis simul additis: serua ad partē. Postea in tabella radicū motus octauę sphere accipe radicē Alphonſi: et eam scribe extra. et accipe illud etiam quod inscribit statim in prima linea sequenti post radicē illā. scilicet equationē in directo inscriptionis eius motus est: que est equatio que fuit tue temporis. Quā equationē serua. Quā sic serua: ta: ad artem a tempore Alphonſi vsq; ad tempus tue considerationis quere mediū motū accessus et recessus etc. per .9. quē adde cum radice Alphonſi prius seruata. et cum illo quod puenit in signis et gradibus: intra tabulam equationū motus accessus et recessus: et quere equationē: sicut dictū fuit i. 12. scilicet propositio motus augiū etc. Quā habita subtrahere equationē quā seruasti. scilicet illam que tempore Alphonſi fuit: ab equatione nūc inuēta. et illud quod remanet: est differentia inter equātionem que fuit tempore Alphonſi: et illam que fuit tempore considerationis tue. Quā differentia adde ad motū Augiū et stellarū fixarū prius seruata. et quod post additionē puenit adde loco cuiuslibet stelle fixe tempore Alphonſi. et quod puenit: erit locus eius hora et tpe considerationis tue. Et habes propositum.

**C**Gradus 90 et minuta latitudinis stellarū non mutabis. Latitudines enī earū inuariare manēt: nisi qđ minime sensibilitatis consequens trepidatiois motu. Partē latitudinis cognosces per titulū suū septentrionalē: qui est lra. S. aut meridionalē qui est lra. M. Magnitudinē autē intelliges per numeros in vltima linea versus dextrā positos. Distincte namq; sunt stelle de quib; consideratio potuit eē in sex ordinibus. Quarū prime sunt maiores: deinde pauco minores: et post iterū minores. sic vsq; ad septimā magnitudinē. Vbi igit inuenies in eadem linea. 1. significat quā talis stella est de prima magnitudine. vbi 90. 2. de secūda. vbi aut. 3. erit de tertia. et sic consequenter. Exemplū per te metipsum si nō penitus ebes es facilliter potes constituere etc.

#### Propositio

#### Quartadecima

**A**ugem propriam Solis qua eius argumētū inuenis: Augēq; propriā Mercurij Martis Iouis et Saturni: qua nos eorū centra cognoscim; per qđ facile inuenire. Unde si habere volueris augem propriā cuiuscūq; planete: augē istā cōmunē per precedentē inuentā ad augē planete quā inuenies in paruis tabellā augiū i tabula radicū adde: et aux. ppria illi planete habebis.

#### Propositio

#### Quintadecima.

**A**rgumenta media et Centra media omnium planetarū: quibus equationes etc. in tabulis equationū cognoscens inuenire. Ad habēdū primo argumētū Solis: subtrahere augē propriā ei⁹ a suo medio motu. et pductū erit argumētū Solis. Ad habēdū cētrū mediū Lune: mediū motū Solis tue ere subtrahere



a medio motu Lune eiusdē ere z qđ restanet post subtractionē dupla. z hoc du  
 platū erit centrū mediū Lune. Cētrū Veneris semp est argumentū Solis  
 Cētrū mediū i Mercurio Marte Ioue z Saturno si vis hēre: subtrabe augē.  
 cuiusuis istoz a suo medio motu. z pductū erit centrū mediū ei. CArgumenta  
 media Veneris z Mercurij atq; Lune sumunt cū proprijis tabul p modū illū q  
 dictū est in ppōne. 9. de medijs motibus inueniēdis. CAd habendū autē argu  
 mentū mediū cuiusuis triū supior: videlicet Martis Iouis z Saturni: mediū  
 motū eiusdē planete ere z propositē subtrabe a medio motu Solis ere z eiusdem. z  
 productum erit argumentū medium talis planete. Hoc quia facile est intellectu  
 supersedemus exemplis.

**Propositio Sextadecima.**

Erūm motū Solis p tabulas inuenire. CInuenias primo  
 ad eram propositā mediū motus Solis p. 9. z ipsum scriben  
 do ad partē serua. Secundo scias argumentū eius p. 15. Ter  
 tio cū argumēto illo intra tabulam equationū Solis. z equa  
 tionē in directo existentē cum sua differētia accipies: circa ea  
 scribendo titulos Adde vel Minue prout tabula adimnet.  
 Quarto partē pportionalē ingre si opus ē p. 11. Demū parte  
 proportionali inuēta: eā adde vel subtrabe ab equatione argumēti iuxta tituloz  
 designationē. z quod post augmentū vel diminutionē puenerit: est equatio Sol  
 equata z vera. Quiso z vltimo eandē eqtionē iuxta tituloz. s. Adde vl Minue  
 circa equationē conscriptoz denotationē: adde vel subtrabe a medio motu su  
 perius inuēto z seruato. z quod post augmentū vel diminutionem prouenerit:  
 erit verus locus Solis ad eram propositam in zodiaco.

**Propositio Decimaseptima.**

Erūm locū Lune p tabulas inuenire. CInuenias pmo ad  
 erā propositā mediū motus Lune p. 9. z cētrū Lune p. 15. z ar  
 gumentū ei mediū p eandē. z scribe vnūquodq; p se seorsūz:  
 et serua ad partē. Secūdo cum cētro Lune medio tabulam  
 equationū Lune ingredere: z eius simile i lineis numeri gre.  
 et accipe quod in eius directo inueneris de equatione cētri.  
 et circa ipsā: tituloz denotionē: videlz Adde vel Minue scri  
 ptā p sidera. s. differētiā cū suis lris A vel ad annotādo accipies. z vnūquodq;  
 p se seorsum scribe. Tlde etiā ibidē. s. vbi intraisti cū cētro Lune minuta propor  
 tionalia q sūt i directo: ipsa serua vna cū eoz differētia. z litterā tituloz. s. A vl  
 ad. Tercio si aliqd vtroūq; istoz in differētia inueneris: queres partē propo  
 rtionalē: z fac exinde z equationē cētri z minuta proportionalia equata vel vera  
 p. 11. Si aut nō erit in differētia aliqd in his: tūc qcqd accepti inueneris vt iacet  
 scribe extra: z serua ad partē cū suis litteris tituli. Quarto eandē equationē cen

tri iam equatam iuxta exigentiam tituli adde vel subtrahere a medio argumento Lune. & erit argumentum equatum siue verum. Quinto cum argumento illo equato intra easdem tabulas equationum: & eius simile in luncis numeri querere: & accipere quod in eius directo inueneris de diuersitate diametri circuli breuius: & si opus est cum sua dia & litterarum titulis. & partem proportionalem per. ii. inuentam iuxta litterarum designationem adde vel minue. & erit diuersitas vera siue equata diametri. De qua diuersitate diametri iuxta: & per minuta proportionalia prius ad partem seruata: partem iterum proportionalem inquirere per. ii. ponendo videlicet minuta proportionalia inferius: & diuersitatem diametri superius. & prouenit pars proportionalis. quam serua iterum ad partem. Sexto cum eodem argumento vero in eadem tabula equationum Lune in directo existentem accipe equationem argumenti cum eius differetia si opus est. circa que scribe titulos notam. f. Adde vel minue: prout tabella te docebit. Deinde parte proportionali si opus erat inuenta per. ii. prouenit equatio argumenti equata siue vera. que equatio primo examinata appellatur. Septimo huic equationi primo exauctate: diuersitatem diametri parte proportionalem iam superius seruata addere: & prouenit equatio argumenti. que equatio secundo examinata appellatur. Cuius non pigriter notande sunt cautele tres. Prima: quod si cum centro Lune inueneris in minutis proportionalibus. m. o. i. o. tunc non est opus querere partem proportionalem: neque est necesse ut diuersitas diametri inquiratur. Nam tunc equatio primo examinata erit equatio secundo examinata. Secunda: habitis minutis proportionalibus: & seruatis ad partem: si demum cum argumento vero inueneris in diuersitate diametri g. o. & differentia. o. tunc minuta proportionalia nullius operis erunt: neque necessarium est querere partem proportionalem: cum diuersitate diametri. sed equatio primo examinata erit iterum equatio secundo examinata. Tertia: quod si contigerit. 60. in minutis proportionalibus prouenire: & o. in differentia. tunc iterum non est necessarium per minuta proportionalia querere partem proportionalem cum diuersitate diametri. Sed pars proportionalis tunc querenda est ipsamet diuersitas diametri. Que tunc tota additur equationi primo examine: ut fiat equatio argumenti secundo examinata. Octavo equationem hanc argumenti secundo examinata addere vel subtrahere secundum quod titulus equationis exposcit: a medio motu Lune modo supra dicto inuenit & seruato ad partem. & quod prouenit: est verus locus siue verus motus Lune ad eam propositam in Zodiaco. Cuius notandum generale prout plures quod preceditibus & sequentibus propositionibus: quod quando cum motu aliquo: ut centro vel argumento in tabulas equationum intrare debemus: & fuerit aliquid in signis: & o. i. gradibus. & signa illa in parte superiori tabule essent signa: resoluenda est unum signorum i. 60. graduum. & intrandum est cum signis residuis & 60. gradibus in tabulas equationum. Signa autem si in tabula deorsum locet veluti si (gna & g. illi motus cum quo intrat nobis demerant: intrandum est.

#### Propositio

#### Decima octaua.

Erum locum Veneris & Mercurij: ac Martis Jovis & Saturni per tabulas inuenire. Cuius inueniatur primo medius

motus cuiusvis planete ad eam propositam cuius verum motum desideras:  
 per. 9. Deinde queratur centrum medium eius. Similiter et eius planete que  
 re argumentum per. 15. Que singula extra scribe: quodlibet per se ad partem  
 Secundo cum centro medio planete tabulam eiusdem planete ingredere: quere  
 do simile in lineis numeri et quod in eius directo inueneris de equatione centri  
 extra per se nota cum sua dīa et si opus fuerit. cum qua partem proportiona-  
 lem inquire per. 11. Et eandem partem proportionalem inuentam iuxta titu-  
 lorum A vel M significationē adde vel subtrahē ab equatione centri quam ex  
 tabula cepisti. et erit equatio centri equata siue vera. Tercio equationem hanc  
 eandem centri equatam: si circa eam scriptū fuerit Adde: eam adde centro me-  
 dio: et subtrahē eam ab argumēto medio. Si per circa eam scriptum fuerit M: in-  
 nue: ipsam a centro medio subtrahē: et adde eam argumento medio. et habebis  
 vtrūq; equatum. scilicet centrum et argumētum. Et serua equationem hanc centri:  
 quia inferius ea indigebis: ad partē cū suo titulo. scilicet Adde vel M inue. Quarto  
 cum centro equato eandem tabulam equationū ingredere querendo simile  
 in lineis numeri. et minuta proportionalia in directa inuenta extra per se nota  
 cum sua differentia. si ē opus: et fac partē proportionalem per. 11. et iuxta titulorum ex-  
 gentiā eā adde vel subtrahē: et habebis minuta proportionalia equata. et deinde  
 scribe ea ad partē: cū titulo. scilicet Longiora super: aposito vel Propiora: prout tabula  
 docet. Quarto cum argumēto equato eodem modo intra eandem tabulam.  
 et querendo simile in lineis numeri: quod in directo inueneris de diuersitate  
 diametri circuli breuis in altera longitudinis cum sua dīa si ē opus accipe. Si  
 enim supra minuta proportionalia supra seruata scriptum fuerit Longiora: tunc  
 cape diuersitatē diametri sub longitudine longiori. Si autē super ea scriptū fue-  
 rit Propiora: tunc cape eā sub longitudine propiori. et similiter si opus erit cape semp  
 suas dīas. et per. 11. fac partem proportionalem: et habebis diuersitatē diametri  
 equatam vt supra. Et diuersitatē diametri equata inuenta cum minutis propor-  
 tionalibus ad partem seruatis iam supra: de ea diuersitate accipe partem pro-  
 portionalē. quam serua ad partem. et scribe circa ipsam M si diuersitas diame-  
 tri accepta est sub longitudine longiori. vel scribe circa ipsam A si ipsa accepta  
 est sub longitudine propiori. Licet solet ab aliquibus dari differentia in M ser-  
 curio propter minuta proportionalia sua: que variantur in longitudine propio-  
 ri. Sed ista variatio minutorū proportionaliū non facit diuersitatem in opere:  
 dummodo aspiciatur titulus minutorū proportionaliū: vtrum sint in longitudine  
 longiori vel propiori. Deinde hanc partē proportionalem serua ad partē. Sexto  
 iterum cum argumēto equato eodem modo in eadem tabula equationū in di-  
 recto existentē accipe equationē argumēti cum sua dīa. si ē opus Deinde parte  
 proportionali per. 11. accepta: ipsam fac equatam vel veram: et erit equatio ar-  
 gumentum. que vocatur vt in 2 una equatio argumēti primo examinata. Se-  
 ptimo equationi huic. scilicet primo examine diuersitatis diametri partem propor-  
 tionalem superius seruata: si circa eam litterā A inuenis adde. vel ab ea sub-  
 trahē: si circa eā litterā M inuenis. et quod post additionē vel subtractionē puenit erit

quatio argum. ti. q̄ dicif sifr equatio argumēti secūdo examinata. circa quā ti-  
ulū Adde vel Minue: vt in tabula vides nota. z ipsam scribe ad partē. Octa-  
uo equationes vtrasq; .i. equationē centri supi<sup>r</sup> seruata ad partē cū suo titulo: et  
equationē argumēti istā secūdo examinata cum suo titulo considera. Et si circa  
vtrasq; scriptum est: Adde: adde eas simul: z totum addas medio motui pla-  
nete. Et si sup vtrasq; scribatnr Minue: tunc iunge eas simul: z totum minue a  
medio motu planete. Et si circa vnam scriptū fuerit Adde: z circa aliam Mi-  
nue: tunc minue minorem a maiori. z residuū iuxta q̄ titulus Adde: vel Mi-  
nue circa maiore equationē scrip<sup>r</sup> exposcit: adde vel subtrabe a medio motu  
planete. z qd post augmentū vel diminutionē puenierit: est ver<sup>o</sup> locus planete i  
Zodiaco. ¶ Notādū est h in ista ppōne z in reliqs: q nō curaret magnā psci-  
fionē: posset isto modo equare: Quia posset videre vtru in centro vel argumēto  
vltra .s. z .g. essent aliqua minuta. z si eēnt .30. vel plura q̄ .30. posset pro eis adde  
re vnū gradū cū gradib<sup>o</sup> cetri vel argumēti. z si essent pauciores q̄ .30. de eis nō  
curaret z sic cū vno introitu haberet equationē: nec oporteret q̄rere partē pro-  
portionale. z esset opatio satis pscifa ad sciēdū i q̄ gradu est planeta in Zodiaco.  
¶ Eterea hic z aliud generale reliqs est notādū diligentissime. Sepi<sup>o</sup> eni tibi  
occurrit i opatioe: q̄ q̄tiēscūq; p̄cipif i p̄positioe subtrahere talē numer<sup>o</sup> a tali  
sine cōditione: necesse est semp subtrahere: siue ille numer<sup>o</sup> a q̄ fit subtractio sit  
maior siue minor illo q̄ debet subtrahi. qm̄ si ille nūer<sup>o</sup> a q̄ debet fieri subtractio  
sit minor: addenda sunt sex signa: z postea facienda est subtractio. Sunt eni sex  
signa vna circuli reuolutio.

### Propositio

### Decimanona

Planetarū passionē iuenire. ¶ Ex tabula quecūq; tabulas  
motus planetarū singulos sequēs: passionē planetarū facile  
cognosces ei<sup>o</sup> dispositioe p̄cognita Tabularū igit istarū p̄ma ē  
Lune: q̄ tabula latitudis Lune intitulat. Cui<sup>o</sup> dispositio ē: vt  
i capite z in pede tabule trāsuerſaliter signa cōmunia: in late-  
re duplices lineas numeri gradū descēdentū z ascēdentū:  
inferuientes signis continet: in quorū directo latitudo Lune ponit. ¶ Reliqua  
rum autē tabularū q̄libet quattuor cōtinet tabellas. Quarū p̄ma semp inferuit  
ortui et occasui: apparitioni et occultationi illius planete cui<sup>o</sup> ibidem est inscri-  
ptio. Secūda eius directioni et retrogradationi et stationi. Tertia eius diuer-  
ſo motui in vno die. Quarta eius latitudini ab ecliptica: oēs vnīs lineis nume-  
ri accomodent. Quas titulorū inscriptioēs exp̄anāt. Quarū vsus est iste vt or-  
dine seq̄: passione tarditatis z velocitatis motus Lune: quia sine tabula acci p̄f  
primo hic interſerta.



Arditatē vel velocitatē Lune iuenire. ¶ Luna nō dicif neq; di-  
recta neq; retrograda: sed cursu velox tarda vel equalis. ¶ Cursū  
autē sit cursu suo velox ve' tarda vel equalis: Aspicias argumen-  
tū Lune equatum. siue verum: q̄ si ipsum fuerit minus vno signo  
cum dimidio: vel plus quattuor: cum dimidio: erit cursu tarda.

Si 6 fuerit plus vno signo cum dimidio: et minus quattuor cum dimidio: erit cursu velocior. Si aut fuerit prescise vnu signu cum dimidio: vel prescise quattuor cum dimidio: erit cursu equalis. Potest etiam hoc idem aliter scire: videlicet habito motu Lune vero: queras verum locu eius ad vnam diem plus: et subtrahes minores de maioribus: et numerus remanens si equabitur. 6. 13. et 11. equalis cursu dices. Si vero minor: tarda. et de quanto maior: de tanto velocior. et de quanto minor: de tanto tardior: erit.

### Propositio

### Decima nona

Altitudine Lune per tabulas inuenire. **C**Latitudines Lune quia per Argumentu latitudinis Lune inuenit: et Argumentu latitudinis Lune habet per verum locum Capitis draconis Lune: Idcirco de ipsis hic primo ponemus propositiones.



**V**erum locu Capitis et Laude draconis Lune inuenire. **M**ediu motu capitis Lune inuentu per nona huius ad Gram propositionis subtrahere de signis. 6. et residuu erit verus locus Capitis draconis. Et in gradu opposito erit locus verus Laude draconis Lune in Zodiaco.



**V**erum argumentu latitudinis Lune inuenire. **C**tero loco Lune per. 13. huius inuento ab eodem subtrahere vera locu Capitis draconis. Vel aliter: Ctero loco Lune adde mediu motum Capitis draconis. et vtroque modo habebis Argumentu latitudinis Lune verum sine equatum.

Altitudinem igitur Lune si velis: Ingredere cum Argumento latitudinis Lune huius modo. Resolue argumentu latitudinis Lune in signa comuna. Et si in argumento illo fuerit ab vno gradu vsque ad sex signa comuna: tunc intrabis a superiori parte cum numero signorum persector. Et cum 6. in linea graduu descendente vsque ad. 30. et in angulo comuni terminante lineam in qua accepisti 6. et lineam in qua accepisti numeru signorum: inuenies Latitudinem Lune scriptam per 6. m. 7. 2. Et si in Argumento sint plura signa 6. tunc intrabis ab inferiori: intrando lineam graduu que ascendit ab vno vsque ad. 29. et in angulo comuni terminante lineam in qua accepisti numeru signorum: inuenies latitudinem Lune scriptam per 6. m. 7. 2. Et hoc semper cum parte proportionali: si oportet. **Q**ue Latitudo erit septentrionalis ascendens: si argumentu equatu latitudinis Lune intelligedo signa physica fuerit minus vno signo cum dimidio. Eritque septentrionalis descendens: si erit plus. 1. signo: et minus. 3. Si vero fuerit plus. 3. signis: et minus. 4. cum dimidio: erit meridionalis ascendens. Si autem fuerit plus. 4. signis cum dimidio erit meridionalis descendens. Si autem argumentu equatu fuerit Signu. 0. sine. 6. prescise: erit Luna in Capite draconis. Et si fuerit. 3. signa prescise: tunc erit descendens sine latitudine. et esset tunc prescise in Laude draconis. Si vero dictu argumentu

fuerit prescise vnus signi cū dimidio: tūc Luna habebit latitudinē septentriona-  
lem. & potest tunc appellari Ascensus & Descensus. Ascensus quidē respectu la-  
titudinis imediate precedētis. sed Descensus respectu latitudinis imediate se-  
quētis. Et si dictū argumentū fuerit prescise. 4. signorū cum dimidio: tunc Luna  
habebit latitudinē meridionalē. & potest tunc appellari Ascensus & Descensus  
respectu diuersorū modo iam supra dicto.

### Propositio

### Trigesima.

Planetarū ortū & occasum apparitionēq; aut occultationē sub  
radijs Solis cognoscere. Ctenus & Mercuri<sup>9</sup> ppter tarditatē  
& velocitatē sui motus inuoluunt circa Solem: & habēt se ad  
Solē quattuor modis. Nam cū fuerit argumentū Ctenis e-  
quatū ab vno gradu inclusiue i duo signa & g. 17. f. g. 37. erit  
in ortu suo vespertino. & videbit post Solis occasum sup ho-  
rizontē in occidente. & tunc etiam eā Sole velocior. Et a duob<sup>9</sup>  
signis & 17. gradib<sup>9</sup> exclusiue vsq; in tria signa integra. f. g. 180. erit in occasu ve-  
spertino: quia tunc tardat vadens ad Solem. consequiturq; Sol atq; preterit.  
Et a trib<sup>9</sup> signis i tria signa & grad<sup>9</sup>. 43. f. g. 223. erit in ortu matutino: eo qd est tar-  
dior Sole. Et a tribus signis & 43. gradib<sup>9</sup> exclusiue vsq; in 6. signa integra: erit  
in occasu vespertino: velocior. f. Sole. C Mercurij vō argumentū equatū cū fu-  
erit ab vno gradu inclusiue vsq; i signa duo & g. 13. f. g. 73. tunc oriet vespere. Et a  
duobus signis & 13. gradibus exclusiue vsq; in tria signa. f. g. 180. erit in occasu  
vespertino. Et a tribus signis exclusiue vsq; ad 4. signa & g. 8. f. ad g. 248. oritur  
mane. Et a 4. signis exclusiue vsq; in 6. signa. f. ad g. 360. occidit de mane. Celo-  
ritas autē & tarditas motus eius considerant sicut in Ctenere. C Ctenis autē  
et Mercurij pma occidental apparitio erit cū eorū cuiuslibet argumentū fuerit  
fere g. 40. erit vespertinalis. Si vō fuerit 5. signa g. 40. f. g. 340. erit eorū prima  
orientalis occultatio matutinalis. Et si fuerit fere signa. 2. g. 40. f. g. 100. erit eorū  
occultatio vespertinalis. Et cum fuerit fere signa. 3. g. 20. f. g. 200. erit prima ma-  
tutinalis eorū apparitio. C Triū autē superiorū planetarū ortū & occasum  
ita intuenias. Argumentū eorū equatū cōsidera. Quod si fuerit ab vno gradu in-  
clusiue vsq; in finē triū signorū: erunt in ortu matutino. Si vō a tribus signis ex-  
clusiue vsq; in 6. signa integras erunt in occasu vespertino. Cum autē volueri  
scire ortum cuiusvis trium superiorū ante Solis ortū mane apparētis: tunc. f. qn  
pretermissus est a Sole per g. 20. exiens de subradijs Solis inceperit apparere.  
Cōsidera: cum argumentū eius equatū fuerit prope g. 20. erit incipiens appa-  
rere: exiens ec. de subradijs Solis. Occultari autē incipiet atq; tegi cum fuerit  
idem argumentū prope signa: 5. g. 40. f. g. 340.



Triū planetarū sit apprens aut occulta sub radijs Solis cognoscere.  
Notandum qd Ctenis & Mercurio est ortus & occasus mane & ve-  
spere. Si igit hanc passionē scire cupis: scias locū eius horū duorū  
cuiusvis equatū: & locum Solis. & que sit vtriusq; loci differētia: &  
cuius sit: videlicet Solis aut planete. Cui<sup>9</sup> autē locus plus habuerit in gradib<sup>9</sup>



Si igitur fuerit planeta retrogradus: et volueris scire quoniam retrogradari incepit: Statione eius prima de eius argumento medio minue. et eius residuum diuide per modum dictum. et tempus resultatum ex hac diuisione subtrahere a tempore quo tuum verificasti planetam. et tibi remanebit tempus quod queris. Et si scire volueris quoniam dirigi incipit: Argumentum eius medium minue a statione secunda. et residuum subtractionis diuide per modum dictum. et tempus productum ex hac diuisione addas ad tempus quo tuum planetam equasti. et resultabit tibi tempus quod queris.

Notus autem in vno die argumenti vniuscuiusque quinque planetarum superiorum sic inuenis. Nam in tribus superioribus medius motus vniuscuiusque eorum in vno die subtrahatur a medio motu Solis in vno die. et remanebit motus argumenti planete in vno die. In duobus vero inferioribus requiratur in propriis tabulis suorum mediorum argumentorum motus.

### Propositio

### Trigesimaquarta.



**B**it Solis et Lune: et cuiuscunque planetarum: hoc est motum diuersum equatum ipsius planete in vno die per tabellam ad hoc factam inuenire. et similiter loca planetarum ad .1. dies: vel ad .7. verum etiam ad .10. et .22. inuenire. Intra primo tabellam diuersorum motuum planetarum in vna die in linea numeri cum centro planete equato. et quod inuenieris in eius directo in linea illa que intitulatur motus centri: et scribe illud. Et si in linea numeri non inuenieris numerum equalem centro: intra cum duplici introitu: et fac partem proportionalem per .11. Intra bis etiam cum argumento equato in eandem lineam numeri. et motum quem inuenieris in directo eius: qui intitulatur motus portionis accipe et scribe. et si super ipsum in tabula scriptum inuenieris Directus: tunc adiunges hunc motum cum priori. et aggregatum ex his duobus est motus diuersus Si vero super ipsum scribas Retrogradus: et motus portionis minor fuerit motu centri: subtrahere minorem de maiori. et residuum est motus planete in die. et planeta est adhuc directus. Et si motus portionis maior fuerit motu centri: est planeta retrogradus. tunc etiam accipis residuum post subtractionem: et est motus diuersus in die per retrogradationem. Si vero ambo motus sic accepti fuerint equales: tunc est planeta stationarius. Et cum scieris motum planete diuersum in die: et fuerit idem planeta directus. et volueris scire locum eius verum post aliquot dies: Equatione eius prehabita secundum doctrinam tabularum: multiplica motum eius diuersum per numerum dierum quos habes. et collectum ex his erit motus planete in diebus quesitis. Aggrega ipsum super locum planete. et inuenies locum planete ad dies futuros quos queris. Quod si planeta fuerit retrogradus: subtrahere hunc motum in diebus predictis de loco planete equato. et inuenies locum eius ad dies quesitos. Et si volueris locum eius in diebus preteritis ante diem equationis planete secundum viam canonum Considera si planeta fuerit directus. et subtrahas hoc quod per multiplicationem antedictam exiit de loco eius equato. et inuenies quod queris. Quod si retrogradus fuerit: adiunge illud quod per multiplicationem exiit de loco

planete equatū: tūc habebis quēstū. Et scito q̄ ita poteris facere ad .10. dies vel 30. in Saturno Ioue Marte z Venere: si fuerint directi z veloces. z hoc est q̄ si prope Solē fuerint: vel retrogradi z cū hoc fuerint veloces. hoc est in tribus superioribus q̄ sunt in oppositione cū Sole. z in Venere q̄ argumentū eius est 3. signor. Sed q̄ tardi fuerint in motu eorū: vel prope eorū stationes non facies ita ad plures dies. z hoc minus in Marte z Venere. Et Venus magis diuersificat in motu q̄ Mars. Et nullus tā diuersus in motu est sicut Mercurius. q̄ si velox fuerit i motu: tu poteris cū ipso facere vt dixi ad decē dies. Si autē tardus vel prope stationē: non est conueniens q̄ ita facias: nisi ad tres dies vel ad quattuor. Et cū volueris hoc facere ad dies multos: ad .10. vel ad .30. vel ad plures vel pauciores. Considera motū illis diebus correspondentē: z adiūge ipsum super locū planete equatū per tabulas: vt prius dixi. z postea incipies dies computare restitutos. z equa sicut oportet. Et considera quantū est centrū in meridie. z est idem quod scriptū est in tabulis mediū motus. z adiūge ipsum sup centrū equatū: qd habeas prius. Accipias etiā mediū argumentū planete in meridie: quod volueris. z ita scies hoc: Subtrahes motū mediū planete in meridie ad aliquot dies de medio motu Solis in meridie ad dies illos. z quod remanebit adiūges argumentū planete: z fac sicut ostensum est.

### Propositio Ulgessima quinta.

Altitudinē Venēris per tabulas inuenire. Scias primo centrū equatū z argumentū equatū. 18. z vnūquodq; p se serua. Deinde cū ipsius vero argumēto intra in tabellas Venēris i lineas numeri. z accipe qd inuenieris in directo i tabella declinationis z reflexionis. z vnūquodq; per se seorsū scribe. Postea centro Venēris. 60. gradus adde. q̄ si post additionē puenierit vltra signa. 6. f. g. 360. projice inde signa. 6. f. g. 360. z cū residuo: vel cū eo quod fuerit minus signis. 6. f. g. 360. ingredere easdem lineas numeri. z quod in eius directo inuenieris de minutis proportionalibus sume: z serua. Deinde accipe partē proportionālē declinationis prius seruata scdm proportionē minorū proportionaliū ad .60. per. 11. z hoc erit prima latitudo eius examinata q̄ puenit ex declinatione epicycli. z serua eam. Si autē centrū verū z argumentū verū cū quo operatus es: hoc est centrū verū z argumentū verū cū suo addito sint in eadem parte circuli: hoc est si ambo fuerint in medietate superioris. aut ambo in medietate inferioris: erit ipsa latitudo equata meridiana. Et si vnū istorū fuerit in vna: z aliud in alia: erit ipsa latitudo septentrionalis. z sic ei⁹ partē cognosces. z scribe sup eā nomē sue partis. Dicis autē vniuersaliter tā in centro q̄ in argumento medietas superior cum fuerit centrū z argumentū a. o. in signis z gradib⁹ vsq; ad tria signa cōia cōpleta vel a. 9. signis cōmunib⁹ vsq; ad. 12. cōia. Inferior ho dicis cū fuerit a trib⁹ vsq; ad. 9. cōia signa. Deinde cū simplici centro Venēris pri⁹ seruato. tante q̄ fiat sibi additio. 60. graduū lineas numeri ingredere. z quod in eius directo inuenieris de minutis proportionalib⁹

in duobus locis seorsum scribe. Deinde accipe partē proportionālē ex reflexiōe prius seruata scdm proportionē minorū ad .60. per. 11. et hec est reflexio examinata. scribe eā extra ad partē. Tunc si centrū simplex Veneris p quod hec minuta proportionalia sumpsi fuerit in medietate superiori: et cum hoc fuerit argumentū verū planete .3. s. 5. 180. erit reflexio examinata septentrionalis. sed si cū hoc argumentū verū fuerit plus signis. 3. s. 5. 180. erit illa reflexio meridionalis. ¶ Si 30. centrū verū fuerit in medietate inferiori: et argumentū verū planete fuerit minus signis. 3. s. 5. 180. ipsa erit reflexio meridionalis. Sed si fuerit argumentū verum plus signis. 3. s. 5. 180. erit illa reflexio septentrionalis. Et sic erit secunda latitudo examinata: que prouenit ex reflexione epicicli. serua eam: et super eam scribe nomen sue partis. Postea accipe de minutis proportionalibus in altero supra loco seruatis sextam partem: que erit latitudo Veneris tertio examinata que proueniet ex deuotione deferētis ab ecliptica. estq; semper ista latitudo septentrionalis. Postea istas latitudines ad inuicem collige: si omnia sunt in eadem parte. Si tamen sint in diuersis partibus: vt si vna sit in parte septentrionali: et alia in parte meridionali: vel econuerso: Tunc subtrahere omne illud quod est meridionale ab eo quod est septentrionale: si septentrionale fuerit maius. vel econuerso si meridionale fuerit maius. Et residuum erit latitudo Veneris verisimata septentrionalis vel meridionalis 27.

### Propositio

### Uigesima sexta.

Latitudinem Mercurij per tabulas inuenire. ¶ Scito centro Mercurij vero et argumento vero per decimam octauam: intra primo cum argumento vero in tabellam latitudinis: et accipe quod in ei⁹ directo fuerit. s. i tabella declinatiōis: et in tabella reflexionis Mercurij. et vñ quodq; seorsum scribe. Tunc si centrum verum fuerit in superiori medietate ex sola reflexione decimam partem minue. Et si fuerit in medietate inferiori: decimam partem illam reflexionis super istam reflexionem adde. et quod post additionē vel diminutionē prouenit loco prime reflexionis serua: prima deleta. Deinde cum centro vero Mercurij Signa. 4. i. grad⁹. 170. adde. et si ex additione prouenerit plus signis 6. s. gradibus 360. remoue inde signa. 6. s. gradus. 360. et cū residuo: vt cū illo qd fuerit min⁹. 360. lineas nūeri tabelle ingredere: sumens minuta pportionalia q i ei⁹ directo iueneri. Deinde de declinatiōe pri⁹ seruata accipe partē pportionalē scdm proportionē minorū proportionaliū ad .60. per. 11. et quod prouenit: est latitudo primo examinata: que prouenit ex declinatione epicicli. et eam serua. Scias autē utrū latitudo illa fuerit septentrionalis vel meridionalis eodē modo penitus quo in precedenti. scribe igit nomen sue partis super eam. Deinde centro vero Mercurij .3. s. 5. 180. adde. et cū eo quod prouenerit iterum eandē tabellam ingredere. et qd in ei⁹ directo inuenies de minutis pportionalib⁹: sume: et in duob⁹ locis scribe. Deinde ex reflexione prius seruata accipe partē ppor-

tionalē scdm proportionē istorū minorū ad. 60. et hoc erit reflexio examinata  
serua eā. Qd si cētrū verū msercurij cū suo addito cū quo minuta proportiona-  
lia vltimo sumpsisti fuerit i medietate superiori zc. eodē modo quo dictū est in  
precedenti pro babenda latitudine secūdo examinata: q̄ prouenit ex reflexione  
epicicli iopare. Nec est dīa: nisi q̄ hic oportet operari cum centro vero: et cum  
suo addito: et ibi cū centro vero simplici. Scribe ergo eam: et nomē sue partis  
et accipe de postea minuti p̄portionalib⁹ in altero locorū seruati quartā partē et  
dimidiū quarte. que pars cum suo dimid⁹ o est latitudo mercurij tertio exami-  
nata. que est semp meridional. Deinde has tres latitudines ad inuicē collige:  
vt scias ad quā partē sit latitudo eodē mō quo dictū ē iuenire. ¶ Scita autē vl  
inuēta vt dictū est tā mercurij q̄ veneris latitudine: si ipsa fuerit septētrional  
scias etiam latitudinē eius ad. 10. dies post. et si eam in die decima post videris  
augmētari: ipsa est ascēdens. et si eam diminui videris: est descēdens. Et si eius  
latitudo meridiana fuerit et augeat erit descēdens. et si minuat erit ascendens.  
Et habeb ppositū.

### Propositio

### Uigesima sexta.

Latitudinē Martis Iouis et Saturni per tabulas inuenire.  
¶ Scias cuiuslibet horum centrū equatum: et argumentū  
equatū p. 18. et quodlibet per se scribe ad partem. Deinde si  
illud centrū equatū est Martis: ipsum sicut est simpliciter dī-  
mitte. Sed si est Iouis: ab eo centro. 5. 10. minue. Si vō Sa-  
turni: ipsi centro 5. 50. adde. ei cū eo quod prouenerit lineas  
numeri tabelle latitudinis triū superiorū q̄ augmētant p. 6. 5.  
ingredere. et quod in eius directo inueneris de minutis pro-

portionalib⁹ accipe. Deinde cū argumēto vero planete iam seruato intra easdē  
lineas numeri. et quod in directo inueneris de latitudine septētrionali vel me-  
ridionali: sume hoc mō. Si enī fuerit centrū verū planete cū suo addito vl⁹ dimi-  
nuto hēat. 0. i q̄dib⁹ vsq; ad sig. 1. 5. 30. f. i 5. 90. vl⁹ a signis. 4. 5. 30. f. 5. 170. vsq;  
ad signa. 6. f. 5. 360. repertū. f. in supiori parte tabelle. et accipe latitudinē septen-  
trionalem: que dicif Effregion septentrionalis. Si autē predictū centrū fuerit  
a signo. 1. et. 5. 30. f. a 5. 90. vsq; ad. 5. 4. 5. 30. f. ad 5. 170 f. ex inferiori medietate.  
accipe de inferiori medietate latitudinē meridionalem: q̄ dicif Effregion meri-  
dionale. Postea accipe de latitudine ista partē proportionale scdm proportionē  
minutorū proportionaliū ad. 60. per. 11. et illud qd prouenit erit latitudo stelle in  
parte in qua inueneris eam. Deinde si latitudo alicui⁹ ipsoꝝ fuerit septētriona-  
lis. et argumentū verū minus signis. 3. f. 5. 180. erit ascēdens. si vō plus descen-  
dens. Sed econuerso erit si fuerit eius latitudo meridionalis. nam si tunc fue-  
rit argumentū verū min⁹ signis. 6. f. 5. 180. erit descēdens. Si 70 plus: erit ascē-  
dens. ¶ Hic est notādi: q̄ si cētrū equatū et argumentū equatū cū q̄ intrasti  
nō possis p̄cise inuenire: intrabis cū minori p̄pinqiori: et accipe qd inueneris in  
directo: et extra scribe. Deinde intra cū minori maiori p̄pinqiori: et accipe etiā  
qd inueneris i directo: qd etiā extra scribe. Deinde subtrabe minore de maiori.

et residui accipe partem proportionale scdm proportionē excessus numeri cū quo intrare debuisti tabellam ad numerū minorē cum quo intraſti ad.6. quia illa tabula augmentatur per.6. Quam partem proportionalem adde equationi prime: si fuerit minor: secunda. Et sic fac in omnibus tabulis que augmentantur per sex. zc.

**Propositio**

**Uigesima octaua.**



**T**empus Coniunctionis vel Oppositionis Verū luminariū: hoc est Solis z Lune ad quodcūq; tempus cuiuscūq; meridiani inuenire. C Unde ad hoc inueniendum necessaria sunt q̄ttuor. Prīmū est ex tabula elongationis Lune a Sole inuenire mediā coniunctionē: si volueris ve am cōiunctionem. vel mediam oppositionem. si volueris habere veram oppositionē. Secundū est inuentio locorū Solis z Lune tempore coniunctionis vel oppositionis propositæ.

Tertium est inuentio duodecime partis longitudinis Solis z Lune. Quartū est inuentio motus Solis z Lune in vno minuto diei: vel in vna hora. Iccirco earum hic primo ponemus propositiones.

**Tempus Medie Coniunctionis vel Oppositionis Solis z Lune per tabulam ad hoc factam inuenire.** C Reduc totum tempus propositum ad diem in qua estimas coniūctionē aut oppositionē fore prope ad 4 3 2 z 1 scdm doctrinā prius traditā. Quo facto scribe radicē medie elongationis Solis z Lune prius. z deinde intra cum quart. zc. in tabulā medie elongationis Solis z Lune directe eodē modo per omnia operando: sicut dictum est in de medijs motibus. Et cum omnes introitus feceris: z numeros addideris: in eodem tempore est media coniunctio ad quod operatus es: si pueniant signa. 6. p̄scise. Et si tria: in eodem tempore est media oppositio. Si 2 non proueniūt signa. 6. nec tria p̄scise: tunc si volueris inuenire coniūctionē: subtrabe illud quod prouenerit de signis. 6. z serua residuū. Si volueris oppositionem: subtrabe illud quod prouenerit de signis. 3. z serua residuū. Quo facto quere illud residuū in tabula medie elongationis. z si fuerint ibi aliqua signa: quere ea in prima linea post lineam numeri. z si p̄scise totum numerū signorū z gradū zc. non inueneris: accipe minorē propinquo. rem. z vide numerū scriptū in directo in linea numeri. quem scribe extra. z sunt dies. serua eos ad partem. Deinde subtrabe illud qd accepisti in tabula. scilicet signa et gradus zc. a numero tuo quem habebas. scilicet a signis z gradibus zc. vt scias residuū. Cui quo intra tabulam eandem. Et si sint gradus in residuo: quere eos in prima linea post lineam numeri. z si eos inueneris: illud quod scriptum est in linea numeri erunt minuta dierum. scribe eos extra post dies prius seruatos. Si autē fuerint tot gradus: q̄ non poterint in prima linea inueniri: tunc quere eos

in secunda linea in illa parte vbi est cifra  $vi.0.$  in prima linea: vel minore numerum propinquoze. et tunc illud quod scriptum est in linea numeri sunt dies. scribe eos extra sub alijs prius scriptis. Quo facto vide si aliquid sit residuum subtrahendo illud cum quo intrasti a numero tuo. et illud iterum quere in eadem linea. Et si in residuo fuerint gradus et inueneris in prima linea. tunc illud quod scriptum est in linea numeri sunt 3 dierum. Si autem sint tot minuta quod in prima linea non poterunt inueniri. tunc quere ea in secunda linea: in illa parte in qua est cifra vel  $0.$  in prima linea. et tunc quod scriptum est in linea numeri sunt minuta dierum. Et istas denominationes ostendunt tituli subscripti in pede tabule. Et isto modo oportet te intrare donec totus numerus compleatur. Et est similis modus operandi fere sicut in tabula vbi querunt anni per  $4. 5. 2. 1.$  Et scias quod dies sic inuenti sunt dies complete computate a meridie diei precedentis. Similiter et minuta dierum  $24.$  sunt completa: sicut anni menses et signa. et omnia que inueniuntur in istis tabulis sunt completa. Quo facto dies et minuta dierum et ceteras fractiones: quas inuenisti per operationem: adde tempore cum quo quesuisti mediam elongationem. et quod post additionem prouenit: erit tempus coniunctionis vel oppositionis medie. Si ergo habita coniunctione volueris modo facilius inuenire oppositionem sequentem. vel habita oppositione volueris coniunctionem sequentem (equale enim est tempus utroque) adde supra tempus quoduis istorum dies.  $14.$  minuta dierum.  $45. 2. 55. 3. 3. 4. 48.$  Si etiam quadraturas volueris inuenire: Adde supra tempus coniunctionis dies.  $7.$  minuta dierum.  $22. 2. 57. 3. 31. 4. 54.$  et habebis quadraturam primam. Adde illud idem supra tempus oppositionis: habebis quadraturam secundam. Vel si habita coniunctione volueris inuenire coniunctionem immediate sequentem: Adde supra tempus inuentum coniunctionis dies.  $29.$  minuta dierum.  $31. 2. 50. 3. 7. 4. 36.$  Tantum enim est ab una coniunctione ad aliam. Et ita habebis tempus coniunctionis vel oppositionis medium ad meridianum Toleti. Si autem te in alio loco existente ad meridianum tuum velis reducere illud tempus: quia forsan alibi habitas. Cognosce tempus distantie meridiani loci tui a meridianum Toleti. Et si meridianus loci tui fuerit orientalius meridianum nostro: illud addas ad tempus coniunctionis et oppositionis  $24.$  per nostras tabulas inuentum. Si ergo occidentalis: ipsum subtrahes. et habebis ipsas coniunctiones et oppositiones ad meridianum tue regionis.

**V**erum locum Solis et Lune hora medie coniunctionis cuiuscunque et oppositionis inuenire. Scias argumentum Solis per.  $15.$  et cum eo intra tabulam equationis Solis: et operare secundum doctrinam.  $16.$  cognitam. et habebis verum locum Solis. Ceterum autem locum Lune habebis querendo argumentum Lune in tabula equationum Lune. et in directo inuenies equationem argumenti cum suis titulis adde vel minue: si cum argumento non sint minuta. Si ergo cum argumento sint minuta: fac pro illis partem proportionalem: ut dictum est in.  $11.$  hanc equatio

nem adde vel subtrahere scdm qd tituli admonent: a medio motu. et prouenit ve-  
 ras motus Lune. ¶ In tempore enī coniunctiōis vel oppositiōis p faciēda e-  
 quatione lune nō ingrediū cū eius centro: quia equatio centri nulla est. Nec e-  
 tiam accipimus diuersitatem diametri circuli breuis: quia minuta propoitiona-  
 lia nulla sunt: sed tñ cū equationē argumēti opamur. Et habebim⁹ propositum.

**D**uodecimā partem distātie inter Solem ⁊ Lunā inuenire: vt fieri  
 oportet in equando coniunctiōes ⁊ oppositiōes Solis ⁊ Lune ve-  
 ras. ¶ Cū gradib⁹ distātie eorū intra tabellā distātie primā zc. et  
 g. ⁊. m. ibi intēta extra nota. Deinde cū minutis distātie intra in-  
 tabellā secundā distātie zc. ⁊ qd ibi inuenieris ex minutis ⁊ secundis  
 sub p̄mis scribe. qd si in distātia fuerint ⁊ intra tertio eandē tabulā minororū. ⁊  
 qd ibi inuenieris: sub p̄mis inuētis pone. ita tñ qd minuta sub secundis ponant. Qd  
 s̄o ex eorū aggregatiōe puenerit: erit duodecima ps distātie inter Solē Lunā.

**M**otum Solis ⁊ Lune diuersum in vno die: vel in vno minuto diei  
 vel in vna hora inuenire. ¶ Inuēto verō loco Solis ⁊ Lune: vt  
 supra hora medię iūctionis vel oppositiōis p p̄cedentiā superi⁹  
 vide differentiā id est lōgitudinē inter verum locum vtriusq; ita  
 s. subtrahendo minorē a maiori. ⁊ quod remanet est longitudo. Et  
 vide cuius sit lōgitudō. est enī longitudo eius qui precesserit alterum in ordine  
 signorū: id est tunc talis longitudo est Solis: si Luna nondū consecuta est Solem  
 in coniūctione: vel nadir Solis in oppositiōe. Vel est Lune: si Luna iam trāsiuit  
 Solem in iūctione: vel nadir Solis in oppositiōe. Hāc ergo lōgitudinē serua.  
 et scribe iuxta lōgitudō Solis vel Lune: scdm qd oportet. Cui⁹ lōgitudinis ac-  
 cipe duodecimā partē: ⁊ ipsam eidē lōgitudinē adde. ⁊ illius toti⁹ partiēdo ipm  
 in duo media accipe medietatē: ⁊ eā cū argumēto medio Lune cū quo inuenisti  
 eius verū locū adiūge: si fuerit lōgitudō Solis. Vel ab eo minue: si fuerit longi-  
 tudo Lune. et qd puenerit: erit argumentū Lune equatū pro inueniendo motū  
 Lune equatū in vno minuto diei: vel in vna hora: si volueris forte operari p ho-  
 ras zc. et serua ipsum. Deinde intra cū argumēto Solis in tabulam motus di-  
 uersi Solis in vno minuto diei: si volueris operari p minuta dierū zc. querēdo  
 signa in supiori parte tabule trāsuerſaliter: et gradus in linea longitudinali que  
 descēdendo augmētant. Vel in inferiori parte tabule etiā trāsuerſaliter ⁊ gradus  
 in linea lōgitudinali que ascendendo augmētant. et quod in eius directo inue-  
 neris de motu Solis diuerso accipe: si p̄scise potes eum inuenire: quia est mo-  
 tus Solis in vno minuto diei equatus. Si s̄o non p̄scise inuenias eum: fac  
 partem proportionālē per. ii. Deinde eodem modo intra cū argumento Lune  
 cū suo addito seu diminuto seruato: si p̄scise potes ipsum inuenire. Si s̄o  
 non: fac partē proportionālē: vt supra p. ii. et quod in eius directo inuenies est  
 motus Lune diuersus i vno minuto diei. ¶ Si s̄o (quia forte oparis p horas)  
 motum Solis ⁊ Lune in vna hora volueris inuenire: Resolue signa argumen-







Qui igitur vellet brevius et expeditius tempus inter mediam coniunctionem et veram invenire: posset operari hoc modo. Habito tempore medie coniunctionis vel oppositionis: et ad illud tempus verum locum Solis et Lune: et deinde eorum motu in una hora per precedentia invento. et per modum iam dictum supra habita longitudine et superatione equata et servata: Quere deinde longitudinem inter Solis et Lunam in tabula que intitulatur tabula inveniendi tempus inter coniunctionem mediam et veram: in prima linea versus sinistram: vel minorem propinquorem: si non potest precise inveniri. Et superationem in capite tabule: vel minorem propinquorem: si non potest precise inveniri. Et numerum in angulo communi: qui est hore et minuta inventum accipe. et differentiam illius ad numerum subscriptum. tunc accipe de ista differentia partem proportionalem secundum proportionem minorum residui longitudinis ad. 60. quam adde cum differentia accepta versus dextram. et eius quod proveniet accipe partem proportionalem secundum proportionem minorum residui superationis ad. 60. per. 11. Quam partem proportionalem subtrahere a numero in angulo communi invento. Deinde accipe partem proportionalem de differentia numeri in angulo communi inventa: ad subscriptum prius accepti: secundum proportionem residui longitudinis ad. 60. Quam partem proportionalem adde cum numero in angulo communi invento. et tunc habebis horas et minuta: vel minuta et secunda: ut prius. que sunt inter tempus medie et tempus vere coniunctionis vel oppositionis. Quas horas et minuta: vel minuta et secunda adde cum tempore medie coniunctionis vel oppositionis: si longitudo fuerit Solis. vel subtrahere: si longitudo fuerit Lune. et tunc habebis tempus vere coniunctionis diebus non equatis. Et nota quod hoc erit tempus vere coniunctionis Solis et Lune: vel valde propinquum. Si vero sine omni scrupulo. falsitas velles invenire tempus: Ad tempus ita inventum quere loca vera Solis et Lune. Et si tunc sint in eodem loco: habes intentum. Si vero fuerint in diversis locis: Iterum longitudine et motu Solis in hora et superatione ut supra inventis per modum dictum operare. et proveniet tempus verissime coniunctionis vel oppositionis: de quocunque operatus es. Et ad illud tempus debent queri vera loca planetarum si fuerit opus etc.



### Propositio Trigesima nona.

Tempus Coniunctionis vere cuiusvis planete cum quolibet alio invenire. Considera tempus et diem propinquorem coniunctioni: vel quo estimas eorum coniunctionem fore prope: per estimationem rationabilem: secundum quod poteris perpendere loca ipsorum in meridie. Et quere vera

loca eorad meridiē illius temporis. Et si tunc loca illoꝝ planetarū conueniūt in  
signis gradib⁹ ⁊ minuti ⁊ secundis 22. tunc eodē tempore est vera cōiunctio  
eorum. Si autē vera loca illorum planetarum non conueniant in signis ⁊ gra-  
dibus et minutis atq; secundis 22. tunc subtrabe motum minorem a maiori. et  
illud quod remanet: erit longitudo. ⁊ est longitudo illius cuius motus erat  
maior. Quam longitudinem serua. Deinde inuenias motum cuiuslibet illorum  
planetarum post tempus in quo primo equasti in vno die scdm doctrinam tra-  
ditam. Deinde considera vtrum ambo planete sint directi: vel ambo retrogra-  
di. vel vnus sit directus: ⁊ alter retrogradus. Si ambo sint directi: vel ambo re-  
trogradi. tunc subtrabe motum diei planete tardioris a motu diei planete velo-  
cioris. et quod remanserit: erit superatio. serua eam. Quo facto reduc longitu-  
dinem que est inter ipsos ad idem genus scs ad 2 vel 3 22. Reduc etiam supe-  
rationem ad genus similis denominationis ad quod longitudinem reduxisti. Si  
si longitudinem reduxisti ad 2. reduc etiam superationem ad 2. ⁊ sic de alijs.  
Quo facto diuide longitudinē per superationem: si potes. ⁊ numerus quotiens  
erunt dies. Et si aliquid post diuisionem remanserit: multiplica illud per. 60. et  
postea diuide per idem quod prius. ⁊ numerus quotiens erunt minuta dierum  
Et quod post diuisionem remāserit: multiplica per. 60. ⁊ postea diuide per idem  
quod prius. ⁊ numerus quotiens erūt secunda dierum. et sic procedes vsq; quo  
tibi placuerit. Quibus expeditis tempus quod inuenisti per diuisionem: adde  
tempori ad quod quesuisti vera loca illorum planetarum. et hoc si tunc coniu-  
ctio vera illa est adhuc futura: hoc est si planeta tardior precedit velociorē. Vel  
subtrabe ab eodem tempore: si coniunctio vera est preterita: id est si planeta ve-  
locior precedit tardiorē. Et tunc quod post additionem vel subtractionē pro-  
uenerit: erit tempus coniunctionis vere. Et iste modus operandi est: cum ambo  
planete quorum coniunctionē queris fuerint directi: vel quando ambo sunt re-  
trogradi. In retrogradatione tamen intellige eum precedere qui minus habet  
in signis gradibus et minutis 22. Si ꝑo vnus eorum fuerit directus: ⁊ alter re-  
trogradus: per alium modum oportebit te operari. Et illud sepe contingit: ⁊  
contingere potest in coniunctionib⁹ Veneris et Mercurij cum quibuslibet alijs  
Potest etiam contingere in coniunctionibus trium superiorum cum inferiori-  
bus: licz inter se non possint hoc modo coniungi: propter hoc quia quando sunt  
coniuncti: equaliter distant a Sole. tunc etiam equaliter distant ab augibus epi-  
cidorum suorum: vel quasi equaliter. Cum igitur inueneris vnum directum:  
et alterum retrogradum. tunc quere motum directi in vno die. ⁊ etiam motum  
retrogradi in vno die post tēpus equationis. Quibus habitis iunge illos duos  
motus simul. et per illud quod prouenit: diuide longitudinem: vt prius dictum  
est. Et tunc considera si locus planete retrogradi fuerit minor loco planete dire-  
cti: quia si sic: iam preterijt illa coniunctio. tunc subtrabe tempus quod per diu-  
sionem inuenisti a tempore ad quod quesuisti vera loca illorum planetarū.  
Si vero planeta retrogradus fuerit plus in gradib⁹ ⁊ minutis q̄ directus tunc

coniunctio adhuc est futura. Quare ad tempus quod exiit per diuisionem ad tempus quod quesuisti vera loca illorum planetarum. et tunc quod post additionem vel subtractionem tuam prouenerit: erit tempus vere coniunctionis.

**C**Si autē volueris multum precise scire tempus coniunctionis vere: oportet te ad illud tempus ad quod nunc inuenisti planetarū vera loca querere. et si inuenieris eos in eodem loco: bene erit. Si non: tunc inuenias distantiam eorum per subtractionē motus maioris a minori. et scias motū cuiuslibet eorum in vno minuto diei per modum prius dictum. sciasq; superationē: si ambo sint directi: vel ambo retrogradi. Vel iunge motus eorum in vno minuto diei simul: si vnus eorum fuerit directus: et alter retrogradus. et illud quod prouenerit vel per superationem vel per motus simul adiunctos longitudinē diuide. et numerus quotientis erūt minuta dierū. Et si aliquid remanserit: multiplica illud p. 60. et diuide p. idē qd prius. et erūt et dierū. et sic psequer. Idē ē de horis si p motū planetarū hō opari. Quo facto tempus iam inuentū p diuisionē adde cū tempore prius inuento: si coniunctio adhuc est futura. vel subtrahē ab eodem si coniunctio iam transiit. et quod post additionem vel subtractionem prouenerit: erit tempus vere coniunctionis.

**C**Adnotum autē cuiuscunq; planete in vno die inuenies per. 24. adnotū autē in vno minuto diei vel in vna hora reperies inueniendo vera loca eius ad duo tempora per vnu minutū diei distantia: aut per vnam horam. Differentia nāq; motus talium erit motus eius in vno minuto diei: vel in vna hora: scdm qd operatus fueris. Et hec circa tempus coniunctionis eorum. **C**Sed vt res befacilius occurrerent querentibus: tabule quedam hic tabulis nostris sint inserte: q̄ tempora exprimunt in quibus erunt coniunctiones Saturni et Iouis: Saturni et Martis: et Iouis et Martis: scdm mediū motum per tabulas nostras. s. Alfonsi notate in annis dñi nostri Iesu Christi. Unde vna coniunctio Saturni et Iouis scdm medium cursum suum in his tabulis currit 3. 2. 2. 0. 1. 53. m. 37. 2. 29. Et sunt anni Christi Solares. 19. menses. 10. dies. 9. hore. 14. m. 59. 2. 36. vnus hore. Et hoc probaui. Et hoc si annus non fuerit bisextilis. **C**Et nota hic ante incarnationē dñi nostri Ihesu Christi per annos. 5. menses. 10. dies. 14. horas. 7. m. 39. 2. 36. hore vnus fuit media coniunctio Saturni et Iouis ad situm mediij mundi: hoc fuit post introitum anni dies. 13. hore. 16. m. 20. 2. 23. mensis Februarij post meridiem dicti situs. Quorum mediij motus fuerunt Signū. 0. 5. 2. m. 11. 2. 12. 3. 52. 4. 54. **C**Nota qd tu debes addere supra signa et 5. 22. que habuisti in coniunctione media Saturni et Iouis scdm tabulas nostras vt vides. 5. 4. 5. 2. m. 58. 2. 21. 3. 51. 4. 26. et quod ex additione prouenerit: erit locus medie coniunctionis Iouis et Saturni immediate sequentis. Et isto modo facerent in prima triplicitate coniunctiones. 11. supponendo qd dicta media coniunctio sit signi arietis vel alterius signi. Et in omnibus quattuor triplicitatibus faciunt coniunctiones. 41. Et si inceperis a primo minuto signi arietis: vt dictū est. 42. coniunctio fierent. 5. 4. 5. 1. m. 52. 2. 56. 3. 8. 4. 46. et hoc sumendo signa put accipiunt in nris tabulis. s. Alfonsi. Et oēs prescripte coniunctiones. s. 41. sunt n annis Christi bisextilibus. 8 14 mensib. 2. diebus. 26. m. 36. 2. 9. vnus diei.

et hoc intelligendo in numero prima coniunctione. Et hoc est multum contra dicti Albumazaris in libro de magnis coniunctionibus. Nota qd Mars coniungit Saturno in signo Lanceri scdm mediu motum suu in annis Christi bisextilibus scdm istas tabulas in annis. 30. mense. 1. diebus. s. 19. horis. 13. m. 51. 2. 1. Supponendo qd dicta coniunctio fuisset in primo minuto signi Lanceri: erit sequens coniunctio predictor in predicto tempore vt inferius. s. 1. g. 38. m. 44. 2. 4. 2. 23. Et quo apparet: qd si addideris super gradus inuentos tempore medie coniunctionis g. 8. m. 43. 2. 4. 2. 23. habebis locum immediate sequentis. Cetera in tabulis istis singulis facilia sunt studiosis astronomicis.

## Propositio

**Trigefina.**



**T**empus coniunctionis cuiuslibet planete cum qualibet stellam fixarum inuenire. **C**Scias primo locū illius stelle de qua uolueris hoc scire: per. 13. Deinde etiam scias verū locū planete ad tempus propinquū coniunctioni p estimationē. et videas distantia: hoc est longitudinē inter planetā ⁊ stellam. Cūde istā cuius fuerit lōgitudinē ipsa: an sē fuerit planete vel stelle fixe p modū dictū in de coniūctione ⁊ oppositione lunariā. Deinde scias motū planete si est direct⁹: vel motū retrogradationis ips⁹ si est retrogradus in vno die: vel in vno minuto diei: vel i vna hora: p doctrinā in precedentib⁹ traditā. Nec cures de motu stelle fixe in die 22. quia motus eius sensibilis non est in tam paruo tēpore: nec operamur hic cū superatione propter stellarū fixarū motus paruitatē. Deinde lōgitudinē diuide per hunc motū planete vt supra. inuentū in die 22. scōm q̄ operari uolueris. Et tempus quod per hanc diuisionē puenit: modo dicto in coniūctionib⁹ planetarū addas ad tempus estimatum prius: habitum: si longitudo fuerit stelle fixe: ⁊ planeta directus. vel si longitudo fuerit planete: ⁊ ipse retrogradus. Si vero longitudo fuerit planetæ: ⁊ ipse directus. vñ si fuerit stelle fixe: ⁊ planeta retrogradus: tempus qd̄ habitum est per diuisionē supradictā subtrahat a tempore estimato. ⁊ quod post additionē vel subtractionē prouenerit: erit tempus q̄sitū: vel tempus sibi valde propinquū. quod vt habeas p̄scisum: reitē a pluries si opozet: donec veritas rei tibi occurrat.

## Propositio

**Erigeimapsima.**

Solis et Lune ac Planetarū introitus in quodcūq; signū: vel  
 in quacūq; partē celi inuenire. ¶ Solis igit introitū in  
 Arietē: qui quidē frequentius querit: vt puta singulis annis:  
 Reliqui q se sibi habēt sūt exemplū. Si igit hoc volueris inuenire  
 Quere verū locum Solis ad tempus propinquū estimationi  
 tue. Ad tempus quo estimas q Sol parum distet ab Ariete.  
 Quo inuēto: si tunc ipsum inuenias Solē in principio Arietis  
 tēpus questū. Si autē ipsum non inuenias in principio Arietis

tēpus acceptū est tēpus quesitū. Si autē ipsum non inuenias in principio Arie

Et supra. vide distantia eius. i. longitudine ab Ariete. quā scies p subtractionē veri  
 motus Solis a 6. signis. Qua distantia scita: reduc eā ad idē gen<sup>o</sup>. s. si sint ibi mi-  
 nuta 3 et 7 zc. reduc totū ad 3. Quā distantia serua. Postea scias motū Solis i  
 vno minuto diei: vel motū Solis in vna hora: p. 28. quē reduc etiā ad idem gen<sup>o</sup>  
 cōsimilis denotationis ad quā reduxisti distantia Solis ab Ariete: videlicet si  
 reduxisti distantia Sol ab Ariete ad 3 reduc etiā motū Sol in vno minuto diei  
 vbi hō ad 3. Quo facto diuide distantia p motū Sol in vno minuto diei: vbi i vna  
 hora. z numer<sup>o</sup> q̄tiēs erūt minuta dierū: vbi hōre si p motū Sol i vna hora diuifi-  
 sti. z serua ea ad partē: z scribe supra ea suos titulos. Postea si remāserit aliq<sup>o</sup> nu-  
 mer<sup>o</sup> post diuisione: multiplica illū p. 60. z qd puenit diuide p idē qd pri<sup>o</sup>. s.  
 p motū Sol in vno minuto diei: vel in vna hora zc. z numer<sup>o</sup> q̄tiēs erūt 3 dierū  
 vbi minuta hōre. serua ea post primo seruata. s. m. vel hō. Deinde siqd remāserit  
 post diuisione: multiplica iterū p. 60. z qd puenit diuide p idē vt pri<sup>o</sup>. z nume-  
 rus q̄tiēs erūt 3 dierū: vel 3 hōre. z serua ea post m. z 3. vel post hō. z m. referē  
 rēda singula singul. Et si remāserit aliqd qd diuidi nō possit: de eo nō sit cura: qz  
 opatio satis p̄scia est. Quo facto vide minuta dierū q̄ inuenisti: si sint plura q̄.  
 60. pone pro. 60. vnu diē. Vel si in hōis plus hōis. 14. pueniret: pone pro. 14.  
 vnu diē: z residuū maneat in loco suo. Quo facto tps qd et tali diuisione puene-  
 rit: addas ad tps tuū prius acceptū: si sol nōdū puenit ad p̄ncipiū. i. primū minu-  
 tū Arietis. vel ab ipso minue: si iam trāsiuerit p̄ncipiū. i. primū minutū Arietis.  
 et qd post additionē vel subtractionē puenit: erit tps introit<sup>o</sup> Solis i p̄ncipiū  
 id est p̄mū minutū Arietis: vel tps sibi satis p̄proinquū. Qd vt habeas certū: cū  
 tpe qd puenit q̄re verū locū Solis. z si puenit. s. o. m. o. 3. o. 3. o. 4. o. illud  
 erit tps introitus Sol in p̄mū minutū Arietis. Sin autē: reitera toties p modū  
 dictū in p̄cedētib<sup>o</sup> p̄ponib<sup>o</sup>: q̄ulq; tu puenias ad veritatē. z erit tps nō eq̄tū. ad  
 qd vel cū q̄ debēt q̄ri loca planetarū. Et scōz qd dixi tibi de introitu Sol in Arietē  
 idem intellige de alijs signis. ¶ Nolo tñ te latere: cū habueris in aliq̄ anno tibi  
 noto introitū Solis in Arietē: vel in quodcūq; aliud signū bene verificatū: pote-  
 ris p omnē vitā tuā hoc facili ter habē p tabulā reuolutiōis annoz mūdi in fine  
 harū tabularū positā. Silr p eūdē modū vt dixi poteris inuenire introitū Lune  
 et alioz planetarū in quodcūq; signū: z in quācūq; partē celi volueris. Et valet  
 hoc operari volentibus scire introitus planetarū in imagines celestes.

### Propositio

### Trigesima secunda.

Empus Eclipsis Solis vel Lune in quocūq; mense anni: du-  
 rationē z quātitatē ipsius: z qñ erit ipsi<sup>o</sup> p̄ncipiū: mediū: atq;  
 finis p tabulas ad hoc factas inuenire. ¶ Tabularū tñ in-  
 seruentiū eclipsib<sup>o</sup> sunt plures. s. Tabula Argumēti latitudi-  
 nis Lune: Tabule diuersitatis aspect<sup>o</sup>: Tabule eclipsiū: q̄ sunt  
 duplices. Quedā enī sunt p̄ Solis q̄ Lune: in quib<sup>o</sup> latitudo  
 Lune pro lineis numeri describit. z in istis oportet te intrare

cū latitudine Lune visa. Et qđā sunt in quib⁹ Argumentū Lune describis pro li-  
neis numeri. z in illis oportet te intrare cū argumēto latitudinis Lune. Sunt et  
alie tabule: quas tituli z inscriptiones manifestāt. Ex his tabulis eclipsim ex-  
trahere: plura q̄ concurrūt: propositionib⁹ distinctis ordine subsequunt.

**S**emidiametrū Solis z Lune z circuli ymbre in loco trāsitus Lune  
inuenire. Cum argumēto Solis mediante quo inuenisti eius  
equationē hora vere coniūctionis vel oppositionis intra tabulam  
q̄ intitulat Tabula ad inueniendū semidiametros Solis et Lune  
ne rē. z in directo inuenies semidiametrum Solis sub suo titulo.  
Eodem modo cum argumēto Lune intra eandem tabulam: z in directo ha-  
bebis semidiametrū Lune: z semidiametrū ymbre: quodlibet sub suo titulo. Et  
intra semp cū duplici introitu: si oportet. Sed nota q̄ semidiameter ymbre  
hic posita supponit Solem esse in auge sui ecentrici. z sic nō haberes semidiamē-  
trū ymbre per illū modū: nisi qñ Sol est in auge: id est qñ nullū est argumentū  
Solis. Si autē Sol fuerit alibi q̄ in auge: tūc cum argumēto Solis intra eandē  
tabulam: z accipe illud quod est in directa linea: que intitulat Variatio ymbre.  
et intra bis si oportet z illud quod puenit subtrahere a semidiametro prius in-  
uenta. z remanebit semidiameter ymbre equata ad locū Solis seu distantiam.

**P**ossibilitatē necessitatēq; eclipsis inuenire. Commoditate pos-  
sibilitatis necessitatisq; alicui⁹ eclipsis pri⁹ habitamō frustre erunt  
labores in inueniēdo eclipsim. Possibilitas igit eclipsis solaris tpe  
ziūctōis: vel lunaris tpe oppositionis his modis inuenit. Inuēto  
tpe verissime ziūctionis vl' verissime oppōnis. vel vt plures volūt  
tpe tñ medie ziūctionis vel medie oppōnis habito p. 18. Quere ad illud tps ar-  
gumentū latitudinis Lune equatū: vel scōm alios argumentū latitudinis Lune  
medium indifferenter quodcūq; libuerit. Quo inuēto si reperitur Signū. 3. et  
minus 5. 12. vel 115. 5. z plus 5. 48. vel signa. 3. z minus 5. 12. vel. 1. z plus 5. 48.  
dic eclipsim fore possibilē solarem. s. si operatus fueris ad tempus coniūctionis.  
et lunarem: si operatus fueris ad tempus oppositionis. Si autē extra istos termi-  
nos reperietur: dicunt eclipsim fore impossibilem. Alij tamē ad hoc inuestigan-  
dum operantur cum vera coniūctione: vel cum vera oppositione: ad illud scē  
tempus inueniēdo argumentū equatum latitudinis Lune: z ad omnia vitra  
operando vt supra. Notes ergo quocunq; istorum modorum ad libitum opera-  
ri. sed cōsulo tibi: vt omnibus his modis opereris anteq̄ dicas aliquam  
eclipse fore impossibilem. Nam si omnes bi modi fuerint concordes in impos-  
sibilitate elipsis: dic libere z secure eclipsim fore impossibilem: z aliter non. Et si  
vnus solus horum modorum dicit tibi possibilitatem eclipsis: dic libere z secure  
eclipse fore possibilem. Et sic apparet q̄ ad negationem eclipsis bi modi con-  
currunt. z ad affirmationem eiusdem vnus solus horum modorum sufficit.

**C** Sed in quia sepe reperit possibilitas eclipsis alicuius per argumentū latitudinis Lune: qm̄ tñ non necessitas est fieri eclipsim. Est ergo regula Albategni de necessitate eclipsis Solis talis: q̄ inueniant semidiameter Solis ⁊ semidiameter Lune tempore verissime coniunctionis: ⁊ iungent simul. Et ad idem tempus inueniat latitudo Lune visa. ⁊ tunc si latitudo Lune visa fuerit equalis aggregato ex semidiametris Solis ⁊ Lune: transibit Luna prope Solem: ⁊ nō eclipsabitur Sol. Et si latitudo Lune fuerit maior: impossibile est fieri eclipsim Solis. Sed si latitudo fuerit minor: q̄ aggregatū ex semidiametris: necessario fit eclipsis Solis. **C** Nota etiā si latitudinē Lune visam non inueneris in aliqua tabularum eclipsis Solis: non eclipsabitur Sol. Si x̄o eam inueneris in alterutra tabularū: vel in ambabus: necessario eclipsabitur. **C** Necessitatē autē eclipsis Lune hoc modo inuenias: Compara latitudinē Lune ad aggregatū ex duabus semidiametris ymbre ⁊ Lune. Tunc si latitudo Lune fuerit maior: q̄ aggregatū ex dictis duabus semidiametris: impossibile est fieri eclipsim. Si autem latitudo Lune fuerit equalis tali aggregato: transibit Luna prope terminos ymbre: ⁊ nō eclipsabitur. Sed si latitudo fuerit minor isto aggregato ex semidiametris: necessario Luna eclipsabitur. **C** Scitur etiam aliter necessitas eclipsis Lune per oppositiōis non inuenit in aliq̄ tabularū eclipsis Lune: impossibile est fieri eclipsim Lune. Si x̄o inuenit in altera earū vel in ambabus: necessario fit eclipsis Lune.

**H**is visis ad opus diuersitatis aspectus Lune in longitudine ⁊ latitudine hora vere coniunctionis Solis ⁊ Lune: vt p̄ ea horam visū bilis coniunctionis: q̄ ē mediū eclipsis Solis inueniat accedamus. **C** Notandū q̄ tabule quib⁹ hic vtimur de diuersitate aspect⁹ Lune in longitudine ⁊ latitudine sunt facte Luna existente in auge sui deferēt et etiā in auge sui epicicli: ⁊ cū hoc in principio cuiuslibet signi. Et ergo si Luna non fuerit in istis locis: tunc oportet te equare diuersitatē aspectus pro loco Zodiaci: ⁊ etiam pro loco epicicli ⁊ eccentrici in quo est Luna. **C** Nota etiam q̄ diuersitas aspectus Lune posita in tabula nō est tota diuersitas aspectus eius: sed est residuū manens post subtractionē diuersitatis aspectus Solis a diuersitate aspectus Lune. ⁊ proprie vocat hec diuersitas aspectus Lune ad Solē. **C** Cum igitur volueris scire diuersitatē aspectus ⁊ alia proposita: Scias primo tempus verissime coniunctionis diebus non equatis. ⁊ ad idem tempus scias verū locū Solis ⁊ Lune: ⁊ argumentū verū latitudinis Lune. ⁊ hoc vocat argumentū latitudinis Lune secūdo equatū: quia argumentū latitudinis Lune primo equatū ēēt argumentū latitudinis equatū ad tempus medie coniunctionis. Scias etiam ad tempus p̄dictū motū Lune in hora vna acceptū per argumentū equatū Lune mediante quo inuenisti equationē argumenti tempore verissime coniunctionis. Et scias sicut motū Solis in vna hora p̄ argumentū Solis: mediāte quo eodem tempore inuenisti equationē Solis. Et sicut scias superationē Lune in vna hora. Et hoc totū fac sēcūdo doctrinā in p̄cedētib⁹ traditā. Et omnia predicta serua: quia cū ipsis in sequētib⁹ operaberis. **C** Deinde cū vero loco Solis quere equa



tionē dierū cum noctibus suis. quam reductā ad horas et fractiones horarum  
scdm q̄ prius dictū est: adde tempori verissime coniūctionis diebus non eq̄tis  
Et tunc ad idem tempus scias gradum ascēdētē: et gradū medij celi: et etiam  
ascēensiones gradus Solis et Lune: et ascēensiones gradus ascēdētis: et gradus  
medij celi in horizonte recto. Que etiā serua. ¶ Quib⁹ habitis scias vtrū Luna  
tempore verissime coniūctionis diebus equarie sit supra terram: aut subtus ter-  
ram: id est vtrū hora istius coniūctionis sit in die vel in nocte. Hoc autē scias sic.  
Si Luna fuerit inter gradū occidentē et ascēdētē scdm ordinē signorū: tūc Lu-  
na erit supra terrā. alif⁹ q̄o est sub terra. ¶ Si q̄o fuerit sub terra hoc ē: si coniū-  
ctio fuerit i nocte: nihil cures de ea: quia eclipsīs nō erit visibilis. et maxime si fue-  
rit p̄funde in nocte. posset tñ esse prope ortū Solis: vlt⁹ parū post occasū: q̄ aliqua  
pars eclipsīs videret. ¶ Si autē Luna tempore coniūctionis fuerit supra terrā  
scias an ista coniūctio sit ante meridiē: vel post. Et hoc isto modo. Si Luna fue-  
rit inter ascēdētē et mediū celi: hoc est qñ inter gradū ascēdētē et locū Lune  
sunt pauciores gradus q̄. 90. tunc coniūctio est ante meridiē. Si q̄o Luna est  
inter occidentē et mediū celi: hoc est si inter gradū ascēdētē et locū Lune sunt  
plures gradus q̄. 90. tunc coniūctio est post meridiē. ¶ Postea scias distantia  
coniūctionis a meridiē per horas equales. et hoc isto modo. Subtrahē horas et  
minuta tempore verissime coniūctionis diebus equatis a. 14. horis. et hoc si ille  
hore coniūctionis fuerint plures q̄. 12. et remanebunt hore distantie coniūctio-  
nis a meridiē. et sunt ante meridiē diei sequētis. Si q̄o hore coniūctionis fue-  
rint pauciores q̄. 12. serua eas pro distantia coniūctionis a meridiē. et sunt post  
meridiē eiusdē diei. ¶ Habitis ergo horis distantie vere coniūctionis a me-  
ridiē: intra cum eis tabulam diuersitatis aspectus Lune: que facta sit ad tuū cli-  
ma: vel que sit propior latitudini tue regionis. et intra sub signo in quo est Sol.  
et hoc in parte superiori. s. ante recessum: si coniūctio fuerit ante meridiē. vel in  
parte inferiori: que intitulatur Recessus: si coniūctio fuerit post meridiē. Acci-  
pe igit⁹ minuta longitudinis in directo istarum horarum inuenta. et habebis di-  
ueritatem aspectus Lune in longitudine: si cū horis non fuerint minuta. ¶ Si  
q̄o cum horis fuerint minuta: intra iterū eandē tabulas vna hora superaddi-  
ta: et accipe in directo minuta longitudinis vt prius. et scribe ea extra sub alijs.  
Deinde scias differentia inter minuta lōgitudinis nūc accepta et prius accepta.  
De qua et aliarū fractionū que sunt vltra horas perfectas accipe partem propor-  
tionalem ad. 60. minuta. Quam partem proportionalem adde minutis longitu-  
dinis primo acceptis: si minuta secūdo accepta fuerint plura minutis primo ac-  
ceptis. Vel subtrahē ab eis: si fuerint pauciora. et proveniet diuersitas aspectus  
Lune in longitudine equata. supposito q̄ Luna sit in principio signi sub quo in-  
trasti: et etiā in auge epicycli et eccentrici. ¶ Si q̄o Luna nō fuerit in locis predi-  
ctis: tunc minuta longitudinis nunc inuenta vocantur Diuersitas aspectus in  
longitudine equata pro horis tñ: hoc est pro horis distantie coniūctionis a me-  
ridiē. et tunc oportet te equare diuersitatem aspectus istam pro 30 diaco eccen-  
trico et epicyclo. Primo si Luna non fuerit in principio signi: tūc etiam intra sub se-  
quenti signo cū horis distantie coniūctionis a meridiē. et in eadem parte tabule

accipe minuta longitudinis in directo inuenta: et equa etiā pro minutis hore. ⁊ habebis minuta hore: eodē modo penitus operādo sicut dictū ē: ⁊ habebis diuersitatē aspect⁹ in pcedenti signo i lōgitudie equatā p hore ⁊ minutis i picipio signi sequētis illud signū in quo ē luna. ¶ Deinde cōsidera differētiā inter minuta lōgitudinis equate pro hore ⁊ minutis signi in quo est luna: ⁊ etiā signi sequētis subtrahendo numerū minorē a maiori. de qua differētia accipe partē proportionalem scdm proportionē graduū ⁊ minorū: ⁊ aliarū fractionū signi in quo est luna pertransitor ad totū signū: id est ad. 30. g. ⁊ hoc fac scdm doctrinā datā in 11. Quam partē proportionale adde ad diuersitatē aspectus equatā pro primo signo: si diuersitas aspectus pro secundo signo equata fuerit maior. vel subtrahere eam a prima si secunda fuerit minor. Et quod post additionē vel subtractionē pueniet: est diuersitas aspectus equata pro hore ⁊ minutis: et pro loco lune in Zodiaco. ¶ Deinde si luna non fuerit in auge epicycli: hoc est qñ argumentū equatū lune fuerit aliquid in signis aut gradibus ⁊ minutis. tunc diuersitatem aspectus iam inuentā oportet te equare pro remotione lune ab auge epicycli. Et hoc fac illo modo. Cum argumēto lune equata hora verissime coniūctionis diebus non equatis intra tabulam equationis diuersitatis aspectus. Et si tale argumentū ibi pcescise inueneris: accipe in directo minuta proportionalia in linea super qua est scriptū Epicyclus. Si nō tunc argumentū non pcescise inueneris: intra primo cū nūero minori ppiqori i tabula scripto. ⁊ accipe i directo minuta proportionalia: sicut dictū est. Deinde intra cum maiori numero immediate ibidem inuento: ⁊ accipe etiā minuta proportionalia in directo existētia. Deinde scias differētiā illorū minorū proportionaliū subtrahendo numerū minorē minorū de maiori. de qua differētia accipe partē proportionale scdm proportionē graduū ⁊ fractionū in argumēto equato contentorū vltra signa ⁊ grad⁹ cū quib⁹ primo intrasti ad. 6. g. ⁊ hoc etiā fac p doctrinā. 11. Quā partē proportionalem adde minutis primo acceptis: si minuta secundo accepta fuerint plura minutis primo acceptis. vel subtrahere ab eis si fuerint pauciora. ⁊ tunc post additionē vel subtractionē habebis minuta proportionalia equata. scdm quorū proportionē ad. 60. accipe partē proportionale de minutis diuersitatis aspectus in longitudine vltimo equatis. s. pro Zodiaco. Que pars proportionalis ostendit quantū diuersitas aspectus sit augmentata propter descensum lune in epicyclo. quam adde diuersitati aspectus prius inuēte. ⁊ habebis diuersitatē aspect⁹ tribus modis equatam s. pro hore ⁊ minutis: ⁊ pro loco lune in signo in quo est. ⁊ ecōuerso pro loco eius in epicyclo. ¶ Et si luna non fuerit in auge eccentrici: quod scies isto modo. Si nullum fuerit centrū mediū lune hora verissime coniūctionis diebus non equatis. tunc in eodem tempore luna est in auge sui eccentrici. ⁊ hoc est quando coniūctio media est eadem cum coniūctione vera. Si nō centrum mediū fuerit aliquid in gradibus ⁊ minutis: tunc luna nō est in auge. tunc oportet te equare pro eccentrico. ⁊ hoc fac taliter. Cum centro medio lune intra tabulam equationis diuersitatis aspectus. ⁊ intra cū duplici introitu: si oportet: id est si centrum mediū non pcescise inueneris: eodem modo faciendū sicut inme-

diate superius dictum est. et accipe minuta proportionalia in directo existentia  
 in linea que intitulatur Eccentricus secundum quorum proportionem ad .60. minu-  
 ta accipe partem proportionalem de diuersitate aspectus lune ultimo inuenta. scilicet  
 equata pro epicyclo. Et illa pars proportionalis ostendit quantum augmenta-  
 tur diuersitas aspectus propter descensum epicycli lune ab auge eccentrici. Quam  
 adde diuersitati aspectus in longitudine ultimo inuenta. et prouenit diuersitas  
 aspectus in longitudine omnibus modis equata: scilicet pro horis et minutis:  
 pro Zodiaco epicyclo: et eccentrico. Et nota si cum argumento equato lu-  
 ne nihil inuenires in minutis proportionalibus in tabula equationis diuersita-  
 tis aspectus. tunc diuersitas aspectus equata pro loco lune in Zodiaco. est etiam  
 equata pro epicyclo. Similiter si cum centro medio nihil inuenieris de minutis  
 proportionalibus. et hoc semper in sua linea sicut dictum est. tunc diuersitas aspe-  
 ctus equata pro epicyclo est etiam equata pro eccentrico. Habita igitur di-  
 uersitate aspectus in longitudine omnibus modis equata: reduc eam ad eam-  
 dem denominationem. scilicet ad secunda. Reduc etiam superationem lune in una  
 hora ad eandem denominationem ad quam reduxisti diuersitatem aspectus: et  
 tunc diuide diuersitatem aspectus per superationem: et in quotiente proueniunt  
 horae. Si vero diuersitas aspectus fuerit ita parua quod non possit diuidi per supe-  
 rationem lune. tunc multiplica eam per sexaginta. et postea diuide productum  
 per superationem. et proueniunt in quotiente minuta horae. Et si fuerit aliquid  
 residuum: illud multiplica iterum per sexaginta. et diuide per idem quod prius  
 et proueniet fractio immediate sequens. Et tunc tempus illo modo proueniens vo-  
 catur hora prime diuersitatis aspectus. Quas adde horis vere coniunctio-  
 nis diebus equatis: si inter gradum ascendentem et locum lune fuerint plures  
 gradus quam nonaginta: hoc est quando coniunctio fuerit post meridiem. Vel sub-  
 trabe illas horas diuersitatis aspectus ab horis vere coniunctionis diebus equa-  
 tis: si inter gradum ascendentem et locum lune fuerint pauciores gradus quam no-  
 naginta: hoc est si coniunctio vera diebus equatis fuerit ante meridiem.  
 Quo facto scias etiam distantiam illarum que post additionem vel subtra-  
 ctionem proueniunt a linea meridiana: secundum quod prius dictum est. et ille vocatur  
 hora secunde distantie a meridio. Cum quibus quere diuersitatem aspectus in  
 longitudine: recte per eundem modum sicut prius fecisti: equando scilicet pro  
 horis et minutis et loco lune in Zodiaco: epicyclo: et eccentrico. Et vocatur di-  
 uersitas aspectus secunda. Quam etiam diuide per superationem lune in una  
 hora: eodem modo ut prius. Et tunc horae minuta et secunda que proueniunt:  
 vocantur hora secunde diuersitatis aspectus. quas adde horis vere coniunctio-  
 nis diebus equatis: scilicet horis quibus addidisti horas prime diuersitatis: et  
 non aggregato ex horis vere coniunctionis: et horis prime diuersitatis. Et hoc  
 si in ter locum lune et gradum ascendentem fuerint plures gradus quam nonaginta.  
 Vel subtrabe ab eis. scilicet ab horis vere coniunctionis. et non ab horis que rema-  
 nent post subtractionem horarum prime diuersitatis aspectus ab horis vere coniun-  
 ctionis. et hoc fac si inter locum lune et gradum ascendentem fuerint pauciores quam .90. gradus.

Deinde istarum horarū que tibi nunc post additionē vel subtractionē pueniūt etiam scias longitudinē a linea meridiana: sicut prius. que vocabantur hore tertie distantie a meridie. Et cum illis iterum quere diuersitatē aspectus in lōgitudine: eodem modo operando sicut prius. et hec erit diuersitas aspectus tertia.

**C**Deinde cōsidera an ista diuersitas aspectus tertia sit maior secūda: aut minor: aut par. Si par: es expeditus. quia tunc secūda diuersitas aspectus fuit equa, ta et vera. cum cuius horis procede vt infra patebit: quia ipse sunt hore medie eclipsis. Quia tunc quantitas diuersitatis aspectus Lune in lōgitudine erit eq̄lis minutis que sunt inter Solem et Lunā eadez hora.

**C**Si ƿo diuersitas aspectus tertia sit maior secunda. tunc diuersitas aspectus ista hora erit maior minutis que sunt inter Solem et Lunam tantū. quantū diuersitas tertia excedit secūdam. Si autē diuersitas tertia sit minor q̄ secunda. tunc diuersitas aspect⁹ eadē hora erit minor minutis que sunt inter Solem et Lunam: tantum quantū diuersitas secūda excedit tertiam. Quare oportet te equare: et querere horam in qua diuersitas aspectus in longitudine sit equalis minutis inter Solē et Lunā eadē hora: quia in ipsa erit medium eclipsis. Et hoc fac illo modo. Si diuersitas aspectus tertia fuerit maior secunda: scies quāto superet eam. et serua differentiam. Et tunc si longitudo Lune ab ascendente fuerit minor. 90. g. tunc ex minutis horarum tertie distantie coniunctionis a meridie: quas per tertiam diuersitatē aspectus inuenisti: id est ex minutis hore: q̄ sequis horas completas: subtrahere sextā partem vnius hore: si potes. hoc est si sunt tot minuta hore vltra horas completas q̄ possit ab eis subtrahi sexta pars hore: id est. 10. minuta. Si ƿo ex illis minutis non poteris subtrahere sextam partē vnius hore. tunc subtrahere octauam id est. iij. 7. et. 2. 30. vel decimā partem: id est. iij. 6. et sic de alijs. prout melius potes: ita vt horam integram non frangas. Si ƿo longitudo Lune ab ascendente fuerit plus. 90. g. tunc adde sextā partē hore: aut octauā: vel decimā: minutū que sunt vltra horas cōpletas tertie distantie. ita tñ q̄ nō addas tantū vt pficias integram horam. Et eius quod post additionē vel subtractionē prouenerit: quere diuersitatē aspectus in lōgitudine quartā. et vide quantū illa quarta excedat tertiam: vel e conuerso: subtrahendo minorem de maiore. Et tunc illam differentiaz tertie et quarte diuersitatu aspect⁹ multiplica per. 6. si addidisti vel subtraxisti sextam partem vnius hore. Vel per. 8. si addidisti vel subtraxisti octauam partē. Vel per. 10. si addidisti vel subtraxisti decimā partem hore. et sic de alijs. Et per istam multiplicationē non fit variatio denominationis. Sicq̄ proueniet diuersitas aspectus que debetur viii hore. quam subtrahere a superatione Lune in vna hora. et quod remanet: erit motus Lune equatū. per quem diuidetur differentia inter secundam et tertiam diuersitatis aspectus: primo vtrūq̄ reducendo ad eandem denominationē. et tunc in numero quotiente prouenit hore. Et si non posset differentia diuidi per motum Lune equatū. tunc multiplica per. 60. et productum diuide per idem quod prius. et prouenient in quotiente minuta hore. Et si adhuc non potest diuidi: multiplica adhuc per. 60. et diuide sicut prius. et pueniūt 2 hore. et sic quantū vis.

**C**Postea illud qd̄ puenit de horis et minutis vel de minutis tñ: adde horis secunde diuersitatis aspectus. et quod puenit

serua. & erunt horz secunde diuersitatis aspectus equate. Si 90 diuersitas aspectus tertia fuerit minor q̄ secunda: & si longitudo fuerit minor. 90. g. adde sextā partem vnus horz: aut octauam: vel decimā. & sic de alijs: vt melius poteris. ita tamen vt horam integram compleas. Si fuerit longitudo plus. 90. g. subtrahere sextam partem vnus horz: aut octauam: vel decimam. sic tamen q̄ horam integram non frangas. Et hoc est conuersum eius quod prius habuisti. s. quādo diuersitas tertia erat maior secunda: et tunc eius quod prouenerit quere diuersitatem aspectus in longitudine quartam. Et tunc cōsidera quantum superatur quarta a tertia: vel econuerso. & excessum multiplica per. 6. vel. 8. vel. 10. scdm q̄ addidisti vel subtraxisti sextam octauam vel decimam partem horz: sicut prius dictum est: & inuenies diuersitatem aspectus que debetur vni horz. & tunc huic quod proueniet adde superationem lune in vna hora. & prouenit motus lune equatus. per quem diuide differentiam inter secundam & tertiam diuersitatem aspectus scdm doctrinam iam dictam. & quod proueniet subtrahere ab horis secunde diuersitatis aspectus. & prouenit horz secunde diuersitatis aspectus eate. et serua eas. Hoc autē raro euenit. s. q̄ secūda excedit tertiam: id est q̄ tertia est minor secunda: nisi tunc luna fuerit prope horizontem. & tunc inter duas diuersitates differentia minima apparebit. Et hec est sententia Albategni in diuersitate aspectus lune pro eclipsi Solis inueniēda: quando diuersitas aspectus tertia fuerit maior aut minor secunda. ¶ Habitis igit horis secunde diuersitatis aspectus equatis: multiplica eas per motū solis in vna hora: & etiam per motū lune in vna hora: pro quolibet separatione. & proueniens tibi serua: quodlibet per se. & et illa ostendunt quantum sol & luna mouentur in predictis horis secunde diuersitatis aspectus. Et tunc si longitudo ab ascendente illa hora fuerit minor. 90. gradibus: predictas horas secunde diuersitatis aspectus equatas subtrahere ab horis verissime coniūctōis diebus equatis. & prouenit coniūctio visibilis: que est mediū eclipsi. & subtrahere motū solis in minutis horis que iam dixi debere seruari a loco solis & motū lune in eisdem horis subtrahere a loco lune inuento verissime coniūctōis. Hoc idē subtrahere ab argumento lune: & proueniunt oīa ista equata ad medium eclipsi. Deinde hoc idem quod subtraxisti a motu lune: & ab argumento lune: subtrahere etiam ab argumēto latitudinis lune secūdo equato: prius seruato. Deinde vide quantum caput draconis mouetur scdm cursum suum medium in horis secunde diuersitatis aspectus equatis: intrando. s. tabulā medij motus capitis draconis: cū horis & minutis secunde diuersitatis aspectus equatis. & illum motum etiam subtrahere ab argumēto latitudinis secundo equato. et prouenit argumētū latitudinis tertio equatum ad mediū eclipsi. ¶ Si 90 longitudo lune ab ascendente sit plus. 90. g. tunc omnia ista que tibi nunc precepi subtrahere a coniūctione vera diebus equatis: & a vero loco solis: & a vero loco lune: & ab argumēto lune: & ab argumēto latitudinis secundo equato debent addi eisdem. & proueniunt omnia ista vt prius. s. tempus medij eclipsi: & locus solis et lune: & argumētū medij: & argumētū latitudinis tertio equatum tempore medie eclipsi. ¶ Deinde cum argumēto latitudinis lune tertio eq̄to qd nūc inuenisti intra tabulā latitudinis lune. & intra cū duplici introitu: si oportet.

et accipe latitudinē lune quam ibi inuenies: et partem suam: et serua ad partem. Deinde scias distantiam horarum medij eclipsis a linea meridiana scdm modū prius dictum. cum quibus horis intra tabulā diuersitatis aspectus: et accipe minuta latitudinis in directo inuenta: eodem modo procedendo nunc vt prius. sc. equando illam diuersitatē aspectus pro horis et minutis: et loco lune in zodiaco tēpore medij eclipsis: et pro loco lune in epicyclo et ecētrico. Sed pro epicyclo minuta proportionalia nō sunt eodem modo que prius fuerunt: quia argumentū equatū lune non est idem. ideo oportet te intrare cum argumento lune equato ad mediū eclipsis iam seruato in tabulā equationis diuersitatis aspectus. et accipe minuta proportionalia in directo ipsius inuenta. et intra cum duplici introitu si cōportet. Si locus lune nō est idem qui prius. ideo oportet te intrare pro loco lune: in quo est tpe medij eclipsis. sc. de differētia q̄ est inter diuersitatē aspectus i latitudine inuēta sub signo in quo est luna: et inuēta sub sequēti: accipiedo partē proportionale scdm proportionē graduū et suarū fractionū que pertrāsuit luna de signo in quo est tpe medij eclipsis ad totā signū. In alijs non differt opus: nec oportet te istā diuersitatē plus equare q̄ semel. ¶ Diuersitate aspectus i latitudine inuenta: vide eius partē: id est vtrū sit meridionalis vel septentrionalis. et est semp meridional in omib⁹ regionib⁹ quarū latitudo est maior. 24. g. vel q̄rū altitudo poli est maior q̄ sit maxima solis declinatio: q̄ ponit ad maximū g. 24. et est idem in sententia. Habito isto postea considera vtrum diuersitas aspectus in latitudine iā inuēta: et latitudo lune prius inuēta: sint in eadē parte: id est si ambe sint meridionales: vel ambe septentrionales. tunc iunge eas sibi. sc. latitudinē lune et diuersitatē aspect⁹ in latitudine. et puenit latitudo lune visa ad mediū eclipsis. Si p̄o vna sit meridionalis: et alia septentrionalis. tunc subtrabe minore de maiore: et remanebit latitudo lune visa. q̄ erit illius partis cui⁹ numer⁹ fuerit maior. sc. erit latitudo septētrionalis: si latitudo lune fuerit septētrionalis: et maior diuersitate aspect⁹ meridionali. Vel remanebit latitudo lune visa meridionalis: si diuersitas aspect⁹ in latitudine fuerit meridionalis: et maior q̄ latitudo lune septētrionalis. et eōuerso. Et hoc vocat latitudo lune visa tpe medij eclipsis. Postea diuersitatē aspectus in latitudine multiplica p. 11. cū dimidio: hoc est p. 23. medietates. et hoc illo modo: Serua primo illam diuersitatē ad partē. deinde inuenias medietatē illi⁹ diuersitatis: quā etiā serua ad partē. Postea totā diuersitatē aspectus in latitudine prius seruata multiplicā p. 11. et p̄ducto adde e medietatē ipsi⁹ iam seruata. et in tali multiplicatione non fit variatio denoiationis. ¶ Postea cōsidera vtrum coniunctio sit prope caput: vel prope caudam draconis. Et hoc fac illo modo. Accipe verū motū solis et lune tpe verissime coniunctionis: q̄ tūc sunt idē. et videas vtrū magis cōcordāt cū vero motu capitis: vel cū vero motu caude. p hoc tunc scitur vtrū vera coniunctio sit prope caput: vel prope caudā draconis. nā est circa illud cū quo magis cōcordat in signis et gradib⁹. Deinde diuersitatē aspectus in latitudine multiplicatā p. 11. cū dimidio adde cū argumēto latitudinis tertio equato: si coniunctio fuerit cū cauda draconis. vel subtrabe ab eo: si fuerit prope caput. Et si non posset subtrahi: adde sibi. 360. g. et post h subtrabe. et puenit argumentū latitudinis q̄rto equatū ad horā medij eclipsis. qd serua.

Et si cum illo argumento latitudinis quereres latitudinē Lune: deberet puenire idem cum latitudine Lune visa inter Solem & Lunā quam inuenisti & seruasti. Si ƒo fuerit aliqua discordia: illa erit minima. & proueniet defectus ex parte istius operationis: et non illius.

**E**clipsis Solis quantitatem & durationē reperire. **I**ntra cum latitudine visa superius reperta in tabulas eclipsis Solis. & si eandem latitudinē prescise inuenieris in secūda tabula: que est longitudinis propioris: & non inuenieris eā in tabula que est longitudinis longioris. tunc accipe puncta ecliptica. & minuta casus que in directo eius inuenieris in tabula longitudinis propioris. & serua quodlibet per se. Si ƒo latitudinē Lune visam non prescise inuenieris in tabula longitudinis propioris. tunc intra primo cum minori propinquiori inuenta in eadē tabula. & puncta ecliptica: & minuta casus in directo inuēta serua. Deinde intra cum maiore propinquiore in eandē tabulā. & puncta & minuta in directo inuēta sibi serua sub alijs: quodlibet sub suo genere. Deinde subtrahere minorem a maiori: quodlibet a suo genere: vt scias differentia tā punctoꝝ q̄ minutoꝝ casus. Et de vtraq; earū accipe partē proportionale scdm proportionē excessus numeri cū quo intrare debuisti supra numerū minorem: cū quo primo intraisti ad totam differentia numerorū minoris & maioris: cū quibus intraisti. & istas partes proportionales subtrahere quālibet a suo genere inuēto in directo minoris latitudinis Lune: subtrahēdo partē proportionale punctoꝝ a punctis inuētis in directo minoris latitudinis Lune: et partē proportionale minutoꝝ casus a minutis casus in directo eiusdē numeri minoris inuēti. & habebis puncta eclipsis: & minuta casus eq̄ta p latitudinē Lune visā. q̄ serua: quodlibet p se. Deinde cū argumento Lune eq̄to ad mediū eclipsis intra tabulā eq̄tionis diuersitatis aspect⁹: & accipe. m. & 7 q̄ in directo inuenieris in linea q̄ intitulat̄ Proportiones lōgitudinū. & intra cū duplici introitu: si oportet: equādo sicut pri⁹ dictū est. Deinde accipe partē pportionalē de numero punctoꝝ pri⁹ reseruatoꝝ: & etiā de nūero minutoꝝ casus scdm pportionē minutoꝝ pportionalis q̄ nūc inuenisti de tabula eq̄tionis diuersitatis aspect⁹ ad. 60 m. Et tūc qd̄ prouenit ex punctis: erit quantitas punctoꝝ corporis Solis obscurata. Et illud quod prouenerit ex minutis casus: diuide per superationem Lune in hora. & qd̄ puenit erit tēpus quod est a principio eclipsis. Si ƒo latitudinē Lune visam in vtraq; tabularum inuenieris: intra vtraq; tabulā. Primo in tabulam ad lōgitudinē longiorē. & quod ibi inuenieris in directo de punctis eclipsis: de minutis casus accipe: & serua ad partem. Deinde intra tabulam ad longitudinē propiorē: & sibi accipe puncta eclipsis: & minuta casus que in directo inuenieris: & sub alijs scribe: quodlibet sub suo genere. Et si latitudinē Lune visam in aliqua predictarū tabularū aut in ambabus non inuenies prescise: tunc intra cum duplici introitu: & fac consequēter vt prius dictum est. Deinde subtrahere numerum minorem punctoꝝ de maiori: sibi numerū minorem minutoꝝ casus a maiori. & differentiam punctoꝝ serua per se. sibi & differentia minutoꝝ casus. Deinde cū argumento Lune equato ad mediū eclipsis intra tabulā equationis diuersitatis aspect⁹

ctus auctam per .6. gradus. et accipe minuta proportionalia que i directo inue-  
 neris: vt prius. Postea de qualibet differentia. scilicet tam punctoꝝ q̃ minutoy casus  
 accipe partē proportionale scdm proportionē minutoy proportionaliū iam inue-  
 ntoꝝ ad .60. m. vt prius. et quod inde prouenerit ex punctis: adde punctis acceptis  
 in tabula longitudinis longioris. et quod ex minutis casus prouenerit: adde minu-  
 tis casus acceptis ex eadem tabula longitudinis longioris. Et que prouenerit  
 post augmentū: erunt pūcta eclipsis et minuta casus equata ad locū Lune in epi-  
 ciclo. **C**onhabitis igitur punctis eclipsis et minutis casus equatis ad locū Lune in  
 epicyclo scdm aliquem predictoy modorum. Si vis scire principiū finem et dura-  
 tionem eclipsis: Lune minuta casus equata ad locum coniunctionis diuide per  
 superationem lune in vna hora scdm modum sepe dictum. scilicet reducendo vtrūq;  
 ad eandem denominationē: et postea diuidendo. et tunc in quotiente proueniet  
 hore. Et si aliquid fuerit residuū: vel si minuta casus reducta ad denominationē  
 ad quā superatio lune est reducta: non poterit diuidi per superationē. tunc mul-  
 tiplica ea per .60. et post diuide: et proueniunt minuta hore. Et residuū iterū mul-  
 tiplica per .60. et diuide per idem quod prius: et proueniūt  $\frac{1}{2}$  hore. Et tunc habebis  
 horas minuta et  $\frac{1}{2}$  que sunt inter principiū eclipsis et medium: vel inter me-  
 dium et finem. Quas horas minuta et  $\frac{1}{2}$  subtrahē a tempore mediū eclipsis: et pro-  
 ueniet principium eclipsis. Et easdem horas et  $\frac{1}{2}$  adde tempori mediū eclipsis: et  
 proueniet finis eclipsis. Et easdē dupla: et habebis dupla totā durationē eclipsis.  
 Deinde easdem horas que sunt inter principiū et medium eclipsis: vel inter me-  
 dium et finem multiplica per motum solis in vna hora. et productum ostendit  
 quantū sol mouetur a principio eclipsis vsq; ad medium: vel a medio vsq; ad fi-  
 nem. et illud subtrahē a vero loco solis inuento tempore verissime coniunctionis  
 seu mediū eclipsis. et proueniet verus locus solis in principio eclipsis. Et idē adde  
 vero loco solis tempore mediū eclipsis: et proueniet verus locus solis in fine ecli-  
 psis. Postea easdem horas que sunt a principio eclipsis vsq; ad medium: multi-  
 plica per motū lune in vna hora. et quod proueniet subtrahē a vero loco lune tpe  
 mediū eclipsis. et idem etiā subtrahē ab argumēto latitudinis lune quarto equa-  
 to. et proueniet verus locus lune: et argumentū latitudinis lune quarto equatū  
 in principio eclipsis. Et idem adde eisdem: et proueniunt illa ad finem eclipsis  
 equata. Deinde in argumēto latitudinis lune quarto equato in principio  
 eclipsis intra tabulam latitudinis lune: et inuenies latitudinē lune in principio ecli-  
 psis. Intra etiam cum argumēto latitudinis quarto equato in fine eclipsis in  
 eandē tabulā: et inuenies latitudinē lune in fine eclipsis. **E**t si vis scire quan-  
 tum obscurabit: id est occultabit de superficie corporis solis quantū ad visum:  
 Intra tabulam quantitatis tenebrarum eclipsis. et puncta ibi inuenta compara  
 ad .12. quia sicut se habent puncta ad .12. ita se habet pars eclipsata ad solem: vt  
 ad eius diametrum. Ut si essent .6. puncta: medietas solis eclipsaretur. Si .4. tūc  
 vna tertia eclipsaretur. Si .3. tūc vna quarta. Si .12. tūc solis diameter eclipsa-  
 retur. et sic consequēter. **E**t si argumētū latitudinis quarto equatū fuerit a  
 0. in signis et gradibus vsq; ad .3. signa: eclipsabitur pars septentrionalis. Si 80.  
 fuerit plus .3. signis: eclipsabitur pars meridionalis.



**Tempus** eclipsis Lune quantitatem, et durationem eius inuenire.  
**C** Habito tempore verissime oppositiōis dieb<sup>9</sup> nō equatis: quere  
ad idē temp<sup>9</sup> verū locū Lune: et nadir solis: et argumētū lune: et ar-  
gumentū verū latitudinis lune: et latitudinē lune: et considera cui<sup>9</sup>  
partis sit illa latitudo. San septentrionalis vel meridionalis. Scias  
etiam motum solis et motum lune equatum in vna hora. Similiter scias semi-  
diametrum lune: et semidiametrū vmbre: et aggregatum ex eis iungendo eas  
simul. et hec omnia serua: quia cum eis in sequentibus operaberis. Deinde cū  
gradu seu vero loco solis intra tabulam equationis dierum cum noctibus suis  
et accipe in directo equationē. quam reductam ad fractiones horarū addetem-  
pori vere oppositiōis diebus non equatis: et proueniet tempus vere oppositiō-  
nis diebus equatis. Et hoc tene pro tempore mediū eclipsis. **D**einde eodē tē-  
pore scias gradū ascendētē. et per illum scias vtrum hora vere oppositiōis lu-  
na sit supra horizontē: vlt infra. id ē vtrā oppositiō vera sit de die vlt de nocte. qā  
si esset de die: non videretur eclipsis: nisi esset prope ortum vel occasum. et tunc  
licz sit de die vera oppositiō: tamen aliqua pars eclipsis posset apparere. **D**e-  
stea pro quātitate et duratione inuenienda: cum latitudine lune inuenta ad me-  
dium eclipsis intra tabulas eclipsis lune: in quibus latitudo lune pro lineis nu-  
meri ponitur. Quere igit latitudinē lune in predictis tabulis. et si eam prescise  
inuenieris in tabula longitudinis: tunc accipe puncta eclipsis: et minuta casus:  
similiter minuta dimidiē more que in directo inuenieris in tabula longitudinis  
propioris. et serua quodlibet per se. Si ꝑo latitudinē lune ibidem nō prescise in-  
ueneris. tunc intra eandem tabulā cum duplici introitu: operando eodē modo  
sicut dictum est in propositione. 22. de tabulis eclipsis solis: in quibus latitudo  
lune visa ponitur pro lineis numeri. et puncta eclipsis: et minuta casus: et minu-  
ta dimidiē more inuenta et equata pro latitudine lune seruā: quodlibet per se.  
Deinde cū argumento lune equato hora vere oppositiōis intra tabulā equa-  
tionis diuersitatū aspect<sup>9</sup> auctam per. 6. gradus. et accipe in directo minuta pro-  
portionalia. et intra cum duplici introitu: si indigeas: vt sepe prius dictum est.  
Deinde scdm proportionē illorum minorū ad. 60. accipe partem proportiona-  
lem de punctis eclipsis: similiter de minutis casus: et de minutis dimidiē more  
prius seruatis: que erunt puncta eclipsis: et minuta casus: et minuta more equa-  
ta ad locum lune in epicyclo tempore vere oppositiōis. Si ꝑo lōgitudinē lune  
in vtraq; tabula eclipsis lune inuenieris. tunc intra tabulas ambas: primo ad lon-  
gitudinē longiorē per modum prius dictum: et puncta eclipsis: et minuta casus  
dimidiē more ibi inuenta serua ad partem. Deinde intra eodem modo ad lon-  
gitudinē propiorē: et puncta eclipsis: et minuta casus: et minuta more ibidem  
inuenta similiter serua. Deinde subtrabe numerum minorum punctorum a ma-  
iore. et numerum minorum minorū casus: similiter dimidiē more a maiore: et  
vnamquāq; differentiā serua per se. Deinde cum argumento lune equato hora  
vere oppositiōis quere minuta proportionalia ex tabula equationis diuersita-  
tis aspectus 22. aucta per. 6. ꝑ. per modum dictum superius. Deinde cuiuslibet  
differentiē prius seruata accipe partem proportionale scdm proportionē minu

torum proportionaliū in predicta tabula intentoy ad.60. Deinde partem pro-  
 portionalē differentie punctoy adde punctis ad longitudinē longiorē inuen-  
 tis. Eodem modo partem proportionalem differentie minoroy more adde mi-  
 nutis more ad longitudinē longiorē inuentis. Similiter de parte proportionali  
 differentie minoroy casus operare. et habebis omnia illa equata ad locū lune  
 in epicyclo: seu scdm remotiōē lune a terra. Deinde minuta casus equata diui-  
 de per superationem lune in vna hora: et numerus quotiens erit hore. Et si fue-  
 rit aliquid residuū: multiplica illud per.60. et productū diuide per idem qđ pri-  
 et proueniūt minuta hore. Et si aliquid sit residuū: hoc etiam multiplica per.60.  
 et productū diuide per idem quod prius. et proueniūt  $\frac{1}{2}$  hore. Quo facto habes  
 horas minuta et  $\frac{1}{2}$  que sunt a principio eclipsis vsq; ad principiu more: si habue-  
 rit moram. vel a principio eclipsis vsq; ad mediū: si nō fuerit mora. Eodē modo  
 minuta more diuide per superationē lune in vna hora. et proueniūt hore minu-  
 ta et  $\frac{1}{2}$  vel minuta et  $\frac{1}{2}$  solum: si non fuerit aliqua hora: qđ sunt ab initio more vsq;  
 ad mediū eclipsis. Quo facto horas que sunt a principio eclipsis vsq; ad me-  
 diū: si non habuerit moram: subtrabe a tempore verissime oppositionis dieb;  
 equatis. et remanebit tempus principij eclipsis. Et si easdem horas addideri ad  
 tempus verissime oppositionis: proueniet tempus finis eclipsis. Subtrabe etia  
 tempus quod est a principio more vsq; ad mediū eclipsis a tēpore verissime op-  
 positionis: et remanebit principiu more. Et si idem addideris ad tempus veris-  
 sime oppositiōis: proueniet finis more. Et si duplaueris tempus quod est a prin-  
 cipio eclipsis vsq; ad mediū: proueniat tota duratio eclipsis a principio vsq; ad  
 finem. Et si duplaueris tempus quod est a principio more vsq; ad mediū eclipsis  
 pueniet tota mora. scđiu stat tota luna in ymbra. Deinde horas que sunt a prin-  
 cipio eclipsis vsq; ad mediū: multiplica per motū lune in vna hora. et quod pro-  
 uenerit subtrabe a vero loco lune inuēto tempore verissime oppositionis: et etiā  
 ab argumento latitudinis secundo equato. et habebis verum locum lune: et ar-  
 gumētū latitudinis equatū tempore principij eclipsis. Et si illud quod nūc sub-  
 traxisti addideris eisdem: habebis verum locum lune: et argumentū latitudinis  
 equatum tempore finis eclipsis. Latitudinē autē lune ad ista tria tempora inue-  
 nies in trando tabulam latitudinis lune cum istis tribus argumentis lune. scđ in  
 principio medio et fine eclipsis. Cū his habitis: si vis scire quantū de superficie  
 lune eclipsabitur: et puncta eclipsis fuerint minus. 12. Intra cum eisdem tabulā  
 quātitatis eclipsis. et in directo eorū intra tabulā secundā: qđ est quātitas eclipsis  
 lune. et quod in directo inuenies est quātitas circuli lunaris eclipsata scđm quā-  
 titatē. 12. punctoy in circulo lunari contentoy.

Olores eclipsium anteq̃ eueniant cognoscere. Cōsidera la-  
 titudinē hora verissime oppositionis vel coniūctionis. que si fuerit  
 ab. 1. minuto in. 10. erit eclipsis nigerrima. Si a. 10. vsq; ad. 20. erit  
 nigra habens in se virescētiā. Si a. 20. vsq; 30. erit nigra cum rube-  
 dine. Si a. 30. vsq; ad. 40. erit nigra cū pallore. Sed si a. 40. vsq; ad

50. grisea cum albedine. **E**st etiam alius modus: quem scdm Johanne de  
limerijs debes coniungere cum primo modo: donec scribentur scientiam coloris  
Et est iste. s. q. consideretur distantia lune ab auge epicycli. Que si fuerit. 3. signa  
vel prope: erit eclipsis nigerrima. Et si fuerit. 2. signa. 2. 30. g. vel. 3. signa. 2. 30. g.  
erit nigra cum viriditate. Si fuerit. 1. signa: vel. 4. signa: erit nigra cum rubedi-  
ne. Et si fuerit vnu 2 dimidiu: vel. 4. et dimidiu: erit nigra cum pallore. Et si fue-  
rit. 1. vel. 5. erit grisea. Si autē fuerit. 30. g. vel. 5. signa et. 30. g. erit grisea cum al-  
bedine. Et licet Johannes de limerijs illud indifferēter dicat de qualibet eclipsi:  
alij tamen hoc restringunt ad eclipses lune. **A**lij ponunt differēter de colori-  
bus eclipsis solis et lune: et ponūt talē figurā. Considera distantia coniunctionis  
solis et lune a capite vel a cauda draconis in eclipsi solis: et inuenias colorē ecli-  
psis solis in directo numeri distantiam significantis vsq; ad. 12. et vltra. 12. non  
fit eclipsis. Sed in eclipsi lune considera latitudinē lune: vt patet in tabula inter  
alias tabulas eclipsium superius descripta.

### Propositio Trigesimatertia.

**E**volutionem cuiuslibet annorum mundi: vel reuolutio-  
nem annorum nati: et etiam reuolutionem alicui⁹ alterius  
rei habētis exordiu: vtpota edificij: inuenire. **S**ciē-  
dum q. reuolutio anni est reuolutio solis ab eodē puncto in  
eundem: vel reditus solis in eundem punctu: in quo fuit in  
principio illius anni. Et nota q. reuolutio annorum mun-  
di est introitus solis in principium vel primū minutū signi  
Arietis. Reuolutio alicui⁹ nati est reuersio solis ad eun-  
dem punctum zodiaci: in quo fuit natiuitatis hora. Reuolutio annorum alicui⁹  
ius edificij: est reuersio solis ad eundem locum in zodiaco: in quo fuit in princi-  
pio foundationis: scilicet quando ponebatur primus lapis. **C**um igitur vo-  
lueris reuolutionem annorum mū di: siue natiuitatis: siue alterius principij in-  
uenire: Habeas primo introitum Solis Arietem: vel in aliquod aliud signum  
bene verificatum. vel radicem natiuitatis: vel alterius rei originem habētis in  
aliquo anno tibi noto sub certo numero dierum minorum ⁊ secundorū quan-  
tum est possibile. Similiter scias annū incarnationis: in quo vis scire tempus:  
scilicet diem ⁊ horam in quo sol redibit ad eundem punctum in quo fuit in illo  
exordio radicis. 22. Deinde subtrahē minorem a maiori. et residuum erit illud  
quod trāsiuit de annis ab illo exordio. Deinde cum illis annis qui sunt inter ra-  
dicem ⁊ reuolutionem intra tabulam reuolutionis annorum mūdi. et inuenies  
in directo in fractionibus illud quod debet addi. Superadde igitur illas horas  
et minuta ⁊ 2 equationis horis radicis. et quod post additionem prouenerit: si  
minus viginti quattuor horis fuerit serua: quia ipse sunt hore illius diei qui ex  
mense preterijt. Si autem fuerint plures viginti quattuor: horis: tunc pro vigin-  
ti quattuor: horis vnum diem diebus mensis superadde: ⁊ residuum erit hore ⁊  
minuta illius diei que ex diebus et horis prouenerint: si annus ille fuerit bisexti-  
le: ⁊ prouenerit supra q. fuerit diligenter impendat dies q. aggregant ex tabul-  
tis annorū

lis: et transuerit february: de diebus quas habes unum diem amoue, et quod remaserit: erunt dies equati. Et si annus non fuerit bisextilis: illud quod habuisti serua: quia illi erunt dies equati. Quicquid ergo ex diebus: et horis: et minutis de mense transactis habueris: dies et horas et minuta equationis nuncupabis. His itaque peractis scias verum locum solis ad illas horas equatas. Et si eius verus locus ab illo vero loco querit in radice non discordat: ipsa est reuolutionis hora. Si autem maior fuerit: differentiam diuide per motum solis in una hora: et proueniet hore seu minuta hore: vel etiam secundum quod diuideris, que subtrahere ex horis equationis. Si pro minor eo fuerit: similiter differentiam diuide per motum solis in una hora: ut prius, et quod proueniet: super horas equationis adde. Sic igitur facies donec hore equationis: in quibus sol ad suum verissimum locum quem in radice habuerit redierit. Diuersitas autem ista ita quod sol postquam equatus fuerit non redit ad eundem locum in quo fuit: est propter motum longitudinis longioris solis in annis qui sunt inter annuum radicis et annum reuolutionis. Si pro sol fuerit circa longitudinem longiorem: aut propinquiorem: nullam sensibilem diuersitatem inuenies. Et quanto magis ab his duobus punctis elongabitur: tanto maior diuersitas apparebit. Deinde horas illas in illius diei horas diuersi vertas per tabulas equationis dierum, ad quas horas deinde constitue ascendens et ceteras domus.

**E**uolutionem tamen gradus equinoctialis ascendentis anni si volueris per tabulas inuenire. Sciendum quod reuolutio Ascendentis anni nihil aliud est quam inuenire gradum ascendente: videlicet equinoctialis: et non zodiaci in contactu horizonis: cum reuolutio anni et fuerit completa. Cum igitur hoc volueris Scias primo gradum equinoctialis existentem in ortu in aliquo anno tibi noto sub certo numero ab Ariete in equinoctiali usque ad punctum equinoctialis qui est in ortu prescitus quo poteris: videlicet radicem aliquam, et hanc scribe ad partem. Deinde intra cum numero annorum qui sunt a tempore radicis tue usque ad illum annum cuius Ascendens queris in tabula reuolutionis Ascendentis annorum, et numerum graduum quem in directo inuenieris et minorum et secundorum et. adde cum radice tua: scilicet gradus cum gradibus: minuta cum minutis et. Et si post additionem prouenerint plures gradus quam 360, remoue inde 360, et residuum serua: quia est illa pars que est in ortu in illa reuolutione. Qua habita: pars zodiaci que est in ortu inuenitur per tabulas Primi mobilis, scilicet Ascensionis signorum in regione tua: prout ibi docetur.

**E**nsis cum cuiusque volueris initium scire ex mensibus reuolutionis. Aspice quot menses completi sunt preteriti, et in tabula inquire talem numerum in regula mensium: et accipe quod inuenieris in directo tabule dierum horarum et fractionum, et quod inuenieris adiuuge diebus horis et fractionibus hore radicis natiuitatis aut reuolutionis anni eius, scilicet quem incipere volueris, et ex eo toto quod exierit inde fac menses la-

tinios: quia in illis est radix reuolutionū. Et incipies ab eo mēse in quo fuit natiuitas vel reuolutio. scilicet ab illo earū a quo incepisti: et eijcias menses perfectos. et quod tibi remanserit de diebus horis et fractionib⁹ aspice: quia in tot diebus mensis latini erit reuolutio mensis quem postulasti.

**I**uolueris scire gradū signorū q gubernat vnoquoq; mēse: intra cū diebus cōpletis quos de mēse trāsīuisti reuolutionū tabulam additionis dierū. et quod in eius directo inueneris de gradibus et minutis accipe. et adiunge illud gradib⁹ signi cuiuslibet hyleg mēsis illius. et ex eo quod exierit: accipe signa mensū: dando cuiuslibet signo. 30. gradus. et in quo gradu illius signi finierit numer⁹ quem posuisti: ille gradus erit gubernator: cuiuslibet hyleg.

**F**igurā Eclipsis Lune depingere. **C**ontrabe lineā rectā: quā diuide in duas partes eqles. et vnā eius medietatē diuide i partes equales ad libitū numero. ita tñ q ille partes sint tot q̄t sunt minuta in aggregato ex duob⁹ semidiametris. scilicet Lune et vmbre. et pūcto in medio p̄dicte linee facto centro: describe circulū cui⁹ ipse sit diameter. qui erit circulus cōis vmbre et Lune. sup cuius circūferentia erit centrū Lūe i hora initij v̄l finis eclipsis. Dein d semidiametro p̄dicti circuli accipe vnā partē a cētro versus circūferentiā: q̄ sit equalis semidiametro vmbre: et residuū ei⁹ sit equale semidiametro Lune. Deinde sup a dictū centrū fac circulū vmbre scdm quantitatē semidiametri ei⁹. Quos circulos quadrabis duab⁹ lineis supra centrū eorū se secantib⁹ ad angulos rectos. Sup quarū capita describe quattuor partes mundi. Deinde de predicta lineā diuisā accipe vnā partē scdm quantitatem latitudinis Lune ad mediū eclipsis. quā latitudinē seruabis a centro in secunda diametro versus suā partē: id est versus meridiē: si fuerit meridiana. vel versus septentrionē: si fuerit septentrionalis. Eodē modo facias de latitudine Lune ad initij et ad finē eclipsis. Postea duc lineā parallēlā diametro a loco latitudinis Lune ad initij eclipsis versus occidentē. et seruabis locū cōtactus in circūferentia circuli cōis: quia ibi erit centrū Lune ad initij eclipsis. Sistr duc aliā lineā parallēllā diametro a signo latitudinis Lune ad finē eclipsis versus orientē. et vbi tāgīt circūferentiā circuli cōis: ibi erit centrū Lune in fine eclipsis. Cētrū autē Lune in medio eclipsis est in loco latitudinis Lune in diametro. Et sup hu. iusmodi centrū describe circulū scdm quantitātē diametri Lune. Et si ceciderit totus circulus ille Lune intra circulū vmbre: obscurabit tota Luna. Si autē nō totaliter ceciderit intra circulū vmbre: sed aliq̄ eius pars. ita obscurabit eadem pars de Luna. Sistr describe scdm quantitatē eandem circulū in cōtactu lineae parallele in circūferentia circuli cōis versus occidentē. et ille erit circulus Lune in principio eclipsis. Eodē modo in loco cōtactus lineae parallele cū circūferentiā circuli cōis versus orientē fac circulū scdm eandem quantitatē. qui erit circulus Lune in fine eclipsis. Et quilibet illorū duorū circuloꝝ lunariū: quorū centra sint sup circūferentiā circuli cōis: cōtingit circulū vmbre.

**E**xempli grā: sit lineā

b. d. diuifa in duo eqlia in pūcto. o. et medietas. o. d. fit diuifa in tot partes equales quot sunt minuta in semidiametro lune z vmbre simul iunctis. Deinde describe circulum: a. b. c. d. supra punctum. o. scdm quantitatē linee. o. d. qui est circulus cōmunis: quia continet totū spacium celi in quo fit eclipsis a principio vsq ad finem. et habet centrum suum in circumferentia ecliptice. Deinde semidiametrum. o. d. diuide in duas partes in puncto. e. z fit pars. e. o. equalis semidiametro vmbre. z alia pars scz. e. d. fit equalis semidiametro lune. Deinde supra dictum centrum scz punctum o. describe circulum scdm quantitatē linee. o. e. z fit circulus. e. n. f. t. qui est circulus vmbre. Illos duos circulos quadrabis duabus diametris scz. a. c. z. b. d. orthogonaliter se intersecantibus super centrum. o. et sit. a. Meridies. b. Oriens. c. Septentrio. d. po fit Occidens. Deinde si latitudo lune ad initium eclipsis fuerit meridiana: accipe quantitatē eius in diametro. a. o. c. ex puncto. o. versus pūctū. a. Si po latitudo lune fuerit septentrionalis: accipe eam ex puncto. o. versus. c. et signū latitudinis sit. f. Similiter accipe latitudinem ad finem eclipsis: cuius signū sit. l. z ad medium eclipsis: cuius signū sit. s. Postea ex puncto. f. duc lineam equidistantē linee. o. d. versus occidentem vsq ad circumferentiam circuli cōmunis. z punctus incidentie ipsius in circulo cōmuni sit punctus. k. Similiter ex puncto. l. duc lineam equidistantem linee. o. b. versus orientem vsq ad circumferentiam circuli cōmunis. et sit punctus incidentie ipsius in circulo cōmuni. m. Deinde describe circulum lune scdm quantitatē semidiametri eius scz linee. e. d. in tribus locis: scz ad principium eclipsis supra punctum. h. ad medium supra punctum. p. z ad finem supra punctum. m. Et tū cū circulus supra punctum. p. ceciderit totaliter intra circulum vmbre: luna obscurabitur tota. Si autē nō totaliter ceciderit intra circulum vmbre: tunc non obscurabitur tota. sed obscurabitur scdm partem que intra predictum circulum vmbre cadit. Reliqui po duo circuli lune erunt contingentes circulum vmbre in punctis. r. z. b. Et linea. k. p. m. ostendit transitum lune a principio eclipsis vsq ad finem. et linea. b. o. d. representat eclipticam. z linea. f. k. ostendit latitudinem lune ad principium eclipsis. Sed linea. l. m. ostendit latitudinem lune ad finem eclipsis. z punctus. p. ostendit latitudinem lune ad medium eclipsis. et linea. q. o. k. ostendit centrum tenebrarum ad principium eclipsis. z linea. g. o. m. ostendit centrum tenebrarū ad finem eclipsis. Et hec omnia patent in figura tua industria ex iam dictis depingenda.

**Figura Eclipsis Solis depingere.** **T**rahe lineā rectā. quā primo diuide in duo equalia. Deinde vnam eius medietatē diuide in partes equales ad libitum tuū. ita tamen q̄ ille partes sint equales numero minorū duarum semidiametrorum solis z lune: vel maior eis. Deinde scdm quantitatē illius medietatis sic diuise fac circulum cōmunē: ponendo scz pedem circini immobilem in medio illius totalis linee. z reliquā extendens ad eius extremitatem: z fac circulum. quem quadrā cum duabus diametris orthogonaliter se secantib⁹ super centrū in quarū extremitatibus quatuor partes mundi describe: scz Oriens a sinistris: et Occidens ad dextrum: z Meridiem superius: z Septentrionē inferius. Postea de

eadem linea accipias vnam partem a centro versus circumferentiā scđm quan-  
 titatē semidiametri solis. ⁊ residuū sit equale semidiametro lune. Deinde super  
 centrum circuli cōmunis fac vnum circulum scđm quantitatem semidiametri  
 solis hoc modo. Pone pedem circini immobilē super centrum circuli cōmunis  
 et extende mobilem ad punctum diuisionis iam facte: ⁊ describe circulum: qui  
 erit circulus solis: ⁊ includitur in predicto circulo cōmuni. Deinde accipias de  
 predicta linea diuisa vnam partem: que sit equalis latitudini lune vise ad initū  
 eclipsis. Cui accipe equalē ad illam partem: versus quā fuerit latitudo lune in  
 principio eclipsis. vt si latitudo lune in principio eclipsis fuerit meridionalis: tūc  
 accipias eam a centro circuli cōmunis versus punctū meridiē. Si ȝo latitudo  
 lune in principio eclipsis fuerit septentrionalis. tūc accipias eam a centro cir-  
 culi cōis versus punctū septētrionis. Si r figurabis locum latitudinis lune ad  
 mediū eclipsis in parte in qua fuerit illa latitudo. Et eodē modo ad finē eclipsis.  
 Postea duc lineā paralellā seu eqdistantē diametro a signo initij eclipsis versus  
 occidentē. Et nota locū contactus eius cū circumferētia circuli cōis. Deinde duc  
 aliā lineā paralellā diametro a signo finis eclipsis ad orientē. ⁊ si r nota cōtactū  
 eius in circumferētia circuli cōis. Deinde accipias de linea diuisa vnā partē scđm  
 quantitātē semidiametri lune. et facias scđm quantitātē eiusdē lineę circulū la-  
 narē. cuius centrū erit cōtactus lineę paralelle cū circumferētia circuli cōis. para-  
 llelle versus occidentē. ⁊ ibi erit luna in principio eclipsis. Si r fac circulū consti-  
 milem in loco cōtactus alterius lineę cū circumferētia circuli cōis versus orientē.  
 et ibi erit luna in fine eclipsis. Eodē modo describe circulū lunare scđm eandē  
 quantitātē sup signū latitudinis lune vise hora visibilis coniūctionis seu medie  
 eclipsis: ⁊ ille circulus ostēdit quantū obscurari debeat de sole hora coniūctōis  
 visibilis. quia quātū ille circulus detegerit de circulo solis: tantū obscurabit de  
 sole. **E**xēpli grā. Sit linea .a. e. c. ptracta diuisa in duo eqļa in pūcto. e. cuius  
 medietas .a. e. sit diuisa i tot partes eqles q̄t sunt minuta i aggregato ex semidia-  
 metris solis ⁊ lune si l iūctis. Quā vltēr⁹ diuide in duas partes in pūcto. s. ita q̄  
 pars .e. s. sit eqļa semidiametro solis. ⁊ reliq̄ scz. s. a. sit equal semidiametro lūe  
 Deinde habebas pedē circini immobilē in pūcto. e. ⁊ mobilē extēde vsq̄ in .a. ⁊ de-  
 scribe circulū .a. b. c. d. scđm q̄nitātē lineę .e. a. q̄ est eqļa semidiametris solis  
 ⁊ lune si l iūctis. ⁊ ille circulus est cōis. ⁊ centrū ei⁹ erit pūct⁹ .e. ⁊ diameter lineę .a.  
 e. c. Deinde duc aliā diametrū scz lineā .d. e. b. intersecantē pdictā diametrū or-  
 thogonaliter in pūcto. e. Ille duo diametri diuidūt pdictū circulū cōm in .4.  
 pūctis: scz. a. b. c. d. in .4. partes equales. ⁊ sit .a. pūct⁹ occidētis. b. meridiē. c. oriē-  
 tis. d. ȝo septētrionis. Deinde sup cētrū. e. describe circulū scđm q̄nitātē lineę  
 e. s. scz semidiametri solis: q̄ sit circulus .h. s. f. b. ⁊ ille erit circulus solis. Deinde  
 scđm q̄nitātē minutoꝝ latitudis lune vise in principio eclipsis accipias partē de  
 diametro .d. e. b. ad illam partē versus quam est illa latitudo. vt si fuerit latitudo  
 septentrionalis lune: accipe quantitātē eius in predicta diametro ex puncto. e.  
 versus d. Si ȝo latitudo lune fuerit meridionalis: accipe q̄nitātē eius ex pun-  
 cto. e. vsus. s. ⁊ signa eā p punctū. p. Eodē modo signa q̄nitātē latitudinis lune  
 i eadē diametro. ⁊ partē ei⁹ i medio eclipsis p pūctū. m. ⁊ i fine eclipsis p pūctū. n

Sit igitur latitudo Lune in principio eclipsis septentrionalis designata p lineā. e. p. et latitudo lune i medio eclipsis meridionalis designata p lineā. e. m. z latitudo i fine eclipsis sive meridiana p lineā. e. n. Deinde a pūcto. p. q. designat latitudinē lune in principio eclipsis: duc lineā. p. q. versus occidentē ad circūferentiā circuli cōis: z egdistantē semidiametro. c. a. z pūctus incidēt i circulo cōi sit. q. Sit a pūcto. n. q. designat latitudinē lune i fine eclipsis: duc lineā. n. g. versus orientē vsq; ad circūferentiā circuli cōis egdistantē semidiametro. e. c. z sit pūctus incidētie in circulo cōi pūctus. b. Deinde sup pūctū. q. in circulo cōi describe circūlū scdm quātitatē semidiametri lune. f. lineā. f. a. q. erit circulus lune in principio eclipsis. z continget circūlū Solis in pūcto. k. Eodē modo describe circūlū lune scdm eandē quātitatē sup pūctū. b. q. erit circulus lune i fine eclipsis. q. etiā. cōtinget circūlū solis in pūcto. f. Sit describe circūlū lune sup pūctū. m. q. est signū latitudinis lune vīle in medio eclipsis. Et tunc quantū de circulo lune descripto sup pūctū. m. subintrabit circūlū solis tantū eclipsabit de superficie corporis solis. z infra ambitū istius circuli lune incidet pars circuli solis eclipsata. f. h. h. l. Ex his igitur patet: q. principiū eclipsis est in pūcto. q. finis in pūcto. g. z mediū in pūcto. m. Et lineā ducta a pūcto. q. ad pūctum. g. ostendit transitū lune a principiū eclipsis vsq; ad finem. z lineā. q. e. ostendit centrum tenebrarū ad principiū eclipsis. Et lineā. e. g. ostendit centrū tenebrarū ad finē elipsis. Et hec patent in figura tua industria ex dictis depingenda.

**E**xplaciant Canones siue Propositiones in tabulas Alfonsinas. Partim aliorū mere sunt: partim nostri. In nostris conati sumus exprimere stilum aliorū: quo vnū corpus concors videant: z Thorapiple non a capite z reliquis membris dissidere. Tabularum tamen primi motus (quarum nullas Alfonsus composuit) propositiones pretermisimus: q. Astronomie studio sos ad tabulas Primi mobilis: quas de directionib; Johānis de Monte regio appellari libuit: delegamus. In quo opere vir ille erigendi Thematibus cōmūne modū prosequit: necnon rationale: quem ipse approbat: quicq; cōmodior est: q. nō ad mediū climatis solū vt ceteri: sed etiā ad vnaquāq; ciuitatem z locum accōmodari potest: p̄ter cetera que ibi scitu iocundis summa tractentur.

Finis.

**E**mendanda in transcurfu errata i tabella latitudinis Veneris e Mercurij vt obis pro Eiregi. sept. lege Declatio et pro Eiregi. mei. Resilio.



Handwritten notes and signatures, including names like "C. J. ...", "J. ...", and "S. ...".

| Date  |      | Time  |       | Location |          | Remarks  |          |
|-------|------|-------|-------|----------|----------|----------|----------|
| 12-15 | 1900 | 10:00 | 10:30 | St. Paul | St. Paul | St. Paul | St. Paul |
| 12-16 | 1900 | 10:00 | 10:30 | St. Paul | St. Paul | St. Paul | St. Paul |
| 12-17 | 1900 | 10:00 | 10:30 | St. Paul | St. Paul | St. Paul | St. Paul |
| 12-18 | 1900 | 10:00 | 10:30 | St. Paul | St. Paul | St. Paul | St. Paul |
| 12-19 | 1900 | 10:00 | 10:30 | St. Paul | St. Paul | St. Paul | St. Paul |
| 12-20 | 1900 | 10:00 | 10:30 | St. Paul | St. Paul | St. Paul | St. Paul |
| 12-21 | 1900 | 10:00 | 10:30 | St. Paul | St. Paul | St. Paul | St. Paul |
| 12-22 | 1900 | 10:00 | 10:30 | St. Paul | St. Paul | St. Paul | St. Paul |
| 12-23 | 1900 | 10:00 | 10:30 | St. Paul | St. Paul | St. Paul | St. Paul |
| 12-24 | 1900 | 10:00 | 10:30 | St. Paul | St. Paul | St. Paul | St. Paul |
| 12-25 | 1900 | 10:00 | 10:30 | St. Paul | St. Paul | St. Paul | St. Paul |
| 12-26 | 1900 | 10:00 | 10:30 | St. Paul | St. Paul | St. Paul | St. Paul |
| 12-27 | 1900 | 10:00 | 10:30 | St. Paul | St. Paul | St. Paul | St. Paul |
| 12-28 | 1900 | 10:00 | 10:30 | St. Paul | St. Paul | St. Paul | St. Paul |
| 12-29 | 1900 | 10:00 | 10:30 | St. Paul | St. Paul | St. Paul | St. Paul |
| 12-30 | 1900 | 10:00 | 10:30 | St. Paul | St. Paul | St. Paul | St. Paul |
| 12-31 | 1900 | 10:00 | 10:30 | St. Paul | St. Paul | St. Paul | St. Paul |

Tabula Regionū Provinciarū ac Civitatu insigniorū Europe: Et que  
in vicinis singularum iacent ad scriptas tanq̃ primarias reducuntur:  
paucillo quopiā interuālo nullam differētiā notatū dignā importante.

| Nomina<br>oppidoꝝ | Isotaces |   |       | Nomina<br>oppidoꝝ | Isotaces |   |       |
|-------------------|----------|---|-------|-------------------|----------|---|-------|
|                   | hō       | m | g     |                   | hō       | m | g     |
| Hybernia          | oz.      | 0 | 8 59  | Madeburgum        | oz.      | 1 | 40 54 |
| Scotia            | oz.      | 0 | 48 59 | Erfordia          | oz.      | 1 | 18 51 |
| Oxonium           | oz.      | 0 | 32 53 | Lips              | oz.      | 1 | 34 51 |
| Compostellum      | oc.      | 0 | 16 45 | Ingelstadium      | oz.      | 1 | 18 49 |
| Lisibona          | oc.      | 0 | 16 41 | Nurenberga        | oz.      | 1 | 24 49 |
| Toletum           |          | 0 | 0 41  | Ratispona         | oz.      | 1 | 30 49 |
| Lorduba           | oc.      | 0 | 3 38  | Ulmā              | oz.      | 1 | 24 47 |
| Cesaraugusta      | oz.      | 0 | 18 41 | Draga             | oz.      | 1 | 48 50 |
| Rhotomagus        | oz.      | 0 | 41 50 | Uratistauia       | oz.      | 2 | 4 51  |
| Parisiꝯ           | oz.      | 0 | 54 48 | Eracouia          | oz.      | 2 | 20 51 |
| Lugdunū           | oz.      | 0 | 53 45 | Lasconia          | oz.      | 2 | 20 50 |
| Burdigala         | oz.      | 0 | 32 45 | Buda              | oz.      | 2 | 14 45 |
| Auinio            | oz.      | 0 | 52 44 | Segnia            | oz.      | 1 | 54 45 |
| Polosa            | oz.      | 0 | 41 43 | Vienna pānonie    | oz.      | 1 | 39 48 |
| Vienna prouintie  | oz.      | 0 | 54 44 | Nataua            | oz.      | 1 | 31 48 |
| Masilia           | oz.      | 0 | 56 53 | Saltzburgum       | oz.      | 1 | 36 48 |
| Drugis            | oz.      | 0 | 48 52 | Judeburgum        | oz.      | 1 | 36 47 |
| Bandauū           | oz.      | 1 | 0 52  | Villacum          | oz.      | 1 | 37 46 |
| Tractum           | oz.      | 1 | 12 53 | Brixina           | oz.      | 1 | 32 45 |
| Colonia agrippina | oz.      | 1 | 11 51 | Venetie           | oz.      | 1 | 34 45 |
| Macblina          | oz.      | 1 | 0 51  | Ancona            | oz.      | 1 | 38 44 |
| Maguntia          | oz.      | 1 | 9 50  | Roma              | oz.      | 1 | 40 42 |
| Nerbipolis        | oz.      | 1 | 20 50 | Tarentum          | oz.      | 2 | 8 40  |
| Argentina         | oz.      | 1 | 12 47 | Brundisium        | oz.      | 2 | 4 39  |
| Constantia        | oz.      | 1 | 14 46 | Neapolis          | oz.      | 2 | 0 41  |
| Augusta vindel.   | oz.      | 1 | 34 46 | Florentia         | oz.      | 1 | 34 43 |
| Dacia             | oz.      | 1 | 50 58 | Mediolanū         | oz.      | 1 | 24 44 |
| Suetia            | oz.      | 1 | 52 62 | Taurinū           | oz.      | 1 | 22 43 |
| Tubacca           | oz.      | 1 | 40 56 | Genua             | oz.      | 1 | 20 43 |
| Antiscum          | oz.      | 2 | 20 56 | Sardinia          | oz.      | 1 | 6 38  |
| Brundisiga        | oz.      | 1 | 24 53 | Sicilia           | oz.      | 1 | 54 37 |

Quator dierum: siue Equinoctia  
lis habet diem horarum, 12. semp  
cōtinue. Et vnus gradus longitu  
dinis cōtinet miliaria, 60.

Primus paralellus differēs ab equi  
noctiali hoī. 0. m. 15. habens diem  
maiozem hoī. 12. m. 15.

Secundus paralellus differēs ab  
equinoctiali hoī. 0. m. 30. diem ha  
bens maiozem hoī. 12. m. 30.

Climatis primi principiū. g. 12.

13. m. 45. Et est  
14. Tertius paralellus differēs ab eq  
15. noctiali hoī. 0. m. 45. habens diem  
maiozem hoī. 12. m. 45. Gradus vnus  
16. continet miliaria, 59.

Climatis primi mediū. g. 16. m. 40  
Et est  
18. Quartus paralellus per Meroen  
19. differens ab equinoctiali hoī. 1. ha  
20. bens diem maiozem hoī. 13.

Climatis secūdi principiū: z finis  
21. primi est. g. 20. m. 30. Et est  
22. Quintus paralellus: differens ab  
23. equinoctiali hoī. 1. m. 15. habens  
24. diem maiozem hoī. 13. m. 15.

Climatis secūdi mediū est g. 24.  
m. 1. Et est  
26. Sextus paralellus Tropicus Can  
cri per Siene: differēs ab equino  
ctiali hoī. 1. m. 30. habens diē ma  
iozem hoī. 13. m. 30. Gradus conti  
27. net miliaria, 57.

Climatis tertij principiū: z finis  
28. secūdi est. g. 47. m. 30. Et est  
Septimus paralellus: differēs ab  
equinoctiali hoī. 1. m. 45. habens diē  
29. maiozem hoī. 13. m. 45.

Et est  
Climatis tertij mediū. g. 30. m. 42.  
30. Octauus paralellus p Alexandria  
31. differēs ab equinoctiali hoī. 2. ha  
32. bens diem maiozem hoī. 14. Gra  
33. dus continet miliaria, 54.

Climatis quarti principiū: z finis  
34. tertij est. g. 33. m. 30. Et est  
35. Nonus paralellus: differēs ab eq  
noctiali hoī. 2. m. 15. habens diem  
36. maiozem hoī. 14. m. 15.

Climatis quarti mediū est. g. 36.  
m. 24. Et est  
38. Decimus paralellus per Rhodū.  
differēs ab equinoctiali hoī. 2. m.  
30. habens diem maiozem hoī. 14.  
39. m. 30. Gradus continet miliaria, 50.

Climatis quinti principiū: z finis

1-45  
1-12  
20-

36

66-  
33

9-10

c

3-10  
2-10

8-50  
27-10  
36-10  
1-13

40 quartus est g. 39. m. Et est  
Undecimus paralellus: differens ab  
equinoctiali hor. 1. m. 45. habens die  
41 maiorem horarum. 14. m. 45.

Climatis quinti medium est g. 41.  
42 m. 20. Et est  
Duodecimus paralellus per Hel-  
lespontum: differens ab equinoctiali  
hor. 3. m. 30. habens diem maiorem  
horarum. 15. m. 0. Gradus continet  
43 miliaria. 47.

Climatis sexti principium: et finis  
44 quinti est g. 43. m. 30. Et est  
Tertiusdecimus paralellus per Bi-  
santium: differens ab equinoctiali  
hor. 3. habens diem maiorem hor. 15.  
45 m. 15.

Climatis sexti medium est g. 45. m. 24.  
Et est  
46 Quartusdecimus paralellus per po-  
ntum: differens ab equinoctiali hor. 3.  
m. 30. habens diem maiorem ho-  
47 rarum. 15. m. 30.

Climatis septimi principium: et fi-  
48 nis sexti est g. 47. m. 15. Et est  
Quintusdecimus paralellus per Bo-  
rysthenen: differens ab equinoctiali  
49 hor. 4. habens diem maiorem hor. 16.

Climatis septimi medium est g.  
50 48. m. 40.

Climatis octavi medium est g. 50.  
51 m. 40

53 Sextusdecimus paralellus differens  
ab equinoctiali hor. 4. habens diem  
maiorē horarum. 16. m. 30. Gradus  
54 miliaria. 42. cum dimidio.

Climatis noni medium est g. 54.  
55 m. 1. Et est  
Decimusseptimus paralellus: dif-  
ferens ab equinoctiali hor. 5. habens  
56 diem maiorem hor. 17.

57 Decimusoctavus paralellus: diffe-  
rens ab equinoctiali hor. 5. m. 30.  
habens diem maiorem horarum. 17  
58 cum dimidia.

59 Decimusnonus paralellus: differens  
60 ab equinoctiali hor. 6. habens diem  
maiorē horarum. 18. Gradus con-  
61 tinct miliaria. 32. et semis.

62 Viginti paralellus: differens ab  
ab equinoctiali hor. 7. et habet diem  
maiorē horarum. 19.

63 Viginti primus paralellus per  
Thylen insulam: differens ab equi-  
noctiali horis. 8. habens diem ma-  
iorē hor. 20.

அந்த அபரி  
அந்த அபரி

3

Tabula Quantitatis Dierum.

Sig. Boi.  
Sig. An.

Sig. An.  
Sig. Boi.

|    | 46   | 47   | 48   | 49   | 50   | 51   | 52   | 53   | 54   | 55   | lun  |
|----|------|------|------|------|------|------|------|------|------|------|------|
| Do | b. m | b. m | b. m | b. m | b. m | b. m | b. m | b. m | b. m | b. m | 5    |
| 1  | 6 0  | 6 0  | 6 0  | 6 0  | 6 0  | 6 0  | 6 0  | 6 0  | 6 0  | 6 0  | 30   |
| 2  | 6 5  | 6 5  | 6 5  | 6 6  | 6 6  | 6 6  | 6 6  | 6 6  | 6 6  | 6 7  | 27   |
| 3  | 6 10 | 6 10 | 6 11 | 6 11 | 6 11 | 6 12 | 6 12 | 6 13 | 6 13 | 6 14 | 24   |
| 4  | 6 15 | 6 15 | 6 16 | 6 16 | 6 17 | 6 18 | 6 18 | 6 19 | 6 20 | 6 20 | 21   |
| 5  | 6 20 | 6 20 | 6 21 | 6 22 | 6 23 | 6 24 | 6 24 | 6 25 | 6 26 | 6 27 | 18   |
| 6  | 6 25 | 6 26 | 6 26 | 6 27 | 6 28 | 6 29 | 6 31 | 6 32 | 6 33 | 6 34 | 15   |
| 7  | 6 30 | 6 31 | 6 32 | 6 33 | 6 34 | 6 35 | 6 37 | 6 38 | 6 39 | 6 41 | 12   |
| 8  | 6 34 | 6 36 | 6 37 | 6 38 | 6 40 | 6 41 | 6 43 | 6 44 | 6 46 | 6 48 | 9    |
| 9  | 6 39 | 6 41 | 6 42 | 6 44 | 6 45 | 6 47 | 6 49 | 6 50 | 6 52 | 6 54 | 6    |
| 10 | 6 44 | 6 46 | 6 47 | 6 49 | 6 51 | 6 53 | 6 55 | 6 57 | 6 59 | 7 1  | 3    |
| m  | 6 49 | 6 50 | 6 52 | 6 54 | 6 56 | 6 58 | 7 0  | 7 3  | 7 5  | 7 8  | mp X |
| 1  | 6 53 | 6 55 | 6 57 | 6 59 | 7 1  | 7 4  | 7 6  | 7 9  | 7 11 | 7 14 | 27   |
| 2  | 6 57 | 7 0  | 7 2  | 7 4  | 7 7  | 7 9  | 7 12 | 7 15 | 7 17 | 7 21 | 24   |
| 3  | 7 1  | 7 5  | 7 7  | 7 9  | 7 11 | 7 15 | 7 17 | 7 20 | 7 24 | 7 27 | 21   |
| 4  | 7 7  | 7 9  | 7 12 | 7 15 | 7 17 | 7 20 | 7 23 | 7 26 | 7 30 | 7 33 | 18   |
| 5  | 7 11 | 7 13 | 7 17 | 7 19 | 7 22 | 7 25 | 7 28 | 7 32 | 7 35 | 7 39 | 15   |
| 6  | 7 15 | 7 18 | 7 21 | 7 24 | 7 27 | 7 30 | 7 34 | 7 37 | 7 41 | 7 45 | 12   |
| 7  | 7 19 | 7 22 | 7 25 | 7 28 | 7 31 | 7 35 | 7 39 | 7 42 | 7 47 | 7 51 | 9    |
| 8  | 7 23 | 7 26 | 7 29 | 7 32 | 7 36 | 7 39 | 7 43 | 7 48 | 7 52 | 7 56 | 6    |
| 9  | 7 26 | 7 29 | 7 33 | 7 36 | 7 40 | 7 44 | 7 48 | 7 52 | 7 57 | 8 1  | 3    |
| 10 | 7 30 | 7 33 | 7 36 | 7 40 | 7 44 | 7 48 | 7 52 | 7 57 | 8 2  | 8 7  | mp   |
| 11 | 7 33 | 7 36 | 7 40 | 7 44 | 7 48 | 7 52 | 7 56 | 8 1  | 8 6  | 8 12 | 27   |
| 12 | 7 36 | 7 39 | 7 43 | 7 47 | 7 51 | 7 56 | 8 0  | 8 5  | 8 10 | 8 16 | 24   |
| 13 | 7 38 | 7 42 | 7 46 | 7 50 | 7 54 | 7 59 | 8 4  | 8 9  | 8 14 | 8 20 | 21   |
| 14 | 7 40 | 7 44 | 7 48 | 7 53 | 7 57 | 8 2  | 8 7  | 8 12 | 8 17 | 8 23 | 18   |
| 15 | 7 42 | 7 46 | 7 50 | 7 55 | 7 59 | 8 4  | 8 9  | 8 15 | 8 20 | 8 26 | 15   |
| 16 | 7 44 | 7 48 | 7 52 | 7 57 | 8 1  | 8 6  | 8 11 | 8 17 | 8 23 | 8 29 | 12   |
| 17 | 7 45 | 7 49 | 7 54 | 7 58 | 8 3  | 8 8  | 8 13 | 8 19 | 8 25 | 8 31 | 9    |
| 18 | 7 46 | 7 50 | 7 55 | 7 59 | 8 4  | 8 9  | 8 14 | 8 20 | 8 26 | 8 32 | 6    |
| 19 | 7 47 | 7 51 | 7 56 | 8 0  | 8 4  | 8 10 | 8 15 | 8 21 | 8 27 | 8 33 | 3    |
| 20 | 7 47 | 7 51 | 7 56 | 8 0  | 8 5  | 8 10 | 8 15 | 8 22 | 8 27 | 8 34 | 69 b |

**Tabula Equationis Dierum cum  
Noctibus suis vetus.**

| ⊙  | E qua tio nes Die rum |    |   |    |   |    |   |    |   |    |   |    | E qua tio nes Die rum |    |   |    |   |    |    |    |    |    |    |    |
|----|-----------------------|----|---|----|---|----|---|----|---|----|---|----|-----------------------|----|---|----|---|----|----|----|----|----|----|----|
| 6  | ☿                     | ♊  | ♈ | ♉  | ♊ | ♈  | ♉ | ♊  | ♈ | ♉  | ♊ | ♈  | ♉                     | ♊  | ♈ | ♉  | ♊ | ♈  | ♉  | ♊  | ♈  | ♉  | ♊  |    |
| 6  | ♈                     | ♉  | ♊ | ♈  | ♉ | ♊  | ♈ | ♉  | ♊ | ♈  | ♉ | ♊  | ♈                     | ♉  | ♊ | ♈  | ♉ | ♊  | ♈  | ♉  | ♊  | ♈  | ♉  | ♊  |
| 1  | 3                     | 46 | 0 | 38 | 0 | 9  | 2 | 7  | 4 | 33 | 5 | 19 | 4                     | 4  | 2 | 51 | 3 | 43 | 6  | 5  | 7  | 53 | 7  | 5  |
| 2  | 3                     | 37 | 0 | 34 | 0 | 11 | 2 | 12 | 4 | 36 | 5 | 17 | 4                     | 1  | 2 | 50 | 3 | 47 | 6  | 10 | 7  | 54 | 7  | 0  |
| 3  | 3                     | 20 | 0 | 31 | 0 | 13 | 2 | 17 | 4 | 39 | 5 | 15 | 3                     | 57 | 2 | 50 | 3 | 51 | 6  | 15 | 7  | 54 | 6  | 55 |
| 4  | 3                     | 12 | 0 | 27 | 0 | 15 | 2 | 22 | 4 | 44 | 5 | 14 | 3                     | 54 | 2 | 50 | 3 | 55 | 6  | 20 | 7  | 55 | 6  | 50 |
| 5  | 3                     | 14 | 0 | 23 | 0 | 18 | 2 | 27 | 4 | 46 | 5 | 13 | 3                     | 50 | 2 | 50 | 3 | 59 | 6  | 25 | 7  | 55 | 6  | 45 |
| 6  | 3                     | 7  | 0 | 21 | 0 | 21 | 2 | 33 | 4 | 49 | 5 | 12 | 3                     | 47 | 2 | 50 | 4 | 4  | 6  | 30 | 7  | 56 | 6  | 40 |
| 7  | 3                     | 0  | 0 | 19 | 0 | 23 | 2 | 38 | 4 | 53 | 5 | 10 | 3                     | 44 | 2 | 51 | 4 | 8  | 6  | 35 | 7  | 56 | 6  | 34 |
| 8  | 2                     | 52 | 0 | 16 | 0 | 26 | 2 | 43 | 4 | 56 | 5 | 8  | 3                     | 41 | 2 | 51 | 4 | 12 | 6  | 40 | 7  | 57 | 6  | 28 |
| 9  | 2                     | 45 | 0 | 14 | 0 | 29 | 2 | 48 | 4 | 59 | 5 | 6  | 3                     | 38 | 2 | 52 | 4 | 17 | 6  | 44 | 7  | 57 | 6  | 22 |
| 10 | 2                     | 38 | 0 | 12 | 0 | 33 | 2 | 53 | 5 | 1  | 5 | 4  | 3                     | 35 | 2 | 52 | 4 | 22 | 6  | 48 | 7  | 56 | 6  | 16 |
| 11 | 2                     | 31 | 0 | 10 | 0 | 37 | 2 | 59 | 5 | 3  | 5 | 1  | 3                     | 32 | 2 | 53 | 4 | 26 | 6  | 53 | 7  | 56 | 6  | 10 |
| 12 | 2                     | 24 | 0 | 8  | 0 | 40 | 3 | 4  | 5 | 6  | 4 | 59 | 3                     | 28 | 2 | 54 | 4 | 31 | 6  | 57 | 7  | 55 | 6  | 2  |
| 13 | 2                     | 17 | 0 | 6  | 0 | 44 | 3 | 9  | 5 | 9  | 4 | 57 | 3                     | 25 | 2 | 56 | 4 | 36 | 7  | 1  | 7  | 55 | 5  | 58 |
| 14 | 2                     | 10 | 0 | 4  | 0 | 48 | 3 | 15 | 5 | 10 | 4 | 55 | 3                     | 22 | 2 | 58 | 4 | 40 | 7  | 5  | 7  | 54 | 5  | 52 |
| 15 | 2                     | 3  | 0 | 3  | 0 | 52 | 3 | 21 | 5 | 12 | 4 | 51 | 3                     | 19 | 2 | 58 | 4 | 46 | 7  | 8  | 7  | 53 | 5  | 45 |
| 16 | 1                     | 57 | 0 | 2  | 0 | 56 | 3 | 27 | 5 | 14 | 4 | 49 | 3                     | 16 | 3 | 0  | 4 | 50 | 7  | 12 | 7  | 51 | 5  | 38 |
| 17 | 1                     | 51 | 0 | 1  | 1 | 1  | 3 | 31 | 5 | 15 | 4 | 46 | 3                     | 13 | 3 | 2  | 4 | 56 | 7  | 16 | 7  | 50 | 5  | 30 |
| 18 | 1                     | 45 | 0 | 0  | 1 | 5  | 3 | 36 | 5 | 17 | 4 | 43 | 3                     | 12 | 3 | 5  | 1 | 7  | 20 | 7  | 48 | 5  | 23 |    |
| 19 | 1                     | 39 | 0 | 0  | 1 | 9  | 3 | 39 | 5 | 18 | 4 | 40 | 3                     | 9  | 3 | 7  | 5 | 6  | 7  | 23 | 7  | 46 | 5  | 16 |
| 20 | 1                     | 33 | 0 | 0  | 1 | 14 | 3 | 45 | 5 | 19 | 4 | 37 | 3                     | 7  | 3 | 9  | 5 | 11 | 7  | 26 | 7  | 44 | 5  | 9  |
| 21 | 1                     | 27 | 0 | 0  | 1 | 19 | 3 | 50 | 5 | 19 | 4 | 34 | 3                     | 5  | 3 | 11 | 5 | 16 | 7  | 29 | 7  | 41 | 5  | 2  |
| 22 | 1                     | 22 | 0 | 0  | 1 | 23 | 3 | 55 | 5 | 20 | 4 | 31 | 3                     | 3  | 3 | 14 | 5 | 20 | 7  | 32 | 7  | 38 | 4  | 55 |
| 23 | 1                     | 16 | 0 | 0  | 1 | 28 | 4 | 0  | 5 | 20 | 4 | 28 | 3                     | 1  | 3 | 17 | 5 | 25 | 7  | 35 | 7  | 36 | 4  | 48 |
| 24 | 1                     | 10 | 0 | 0  | 1 | 33 | 4 | 4  | 5 | 20 | 4 | 25 | 2                     | 59 | 3 | 20 | 5 | 30 | 7  | 38 | 7  | 32 | 4  | 40 |
| 25 | 1                     | 5  | 0 | 0  | 1 | 38 | 4 | 9  | 5 | 21 | 4 | 22 | 2                     | 57 | 3 | 23 | 5 | 35 | 7  | 41 | 7  | 28 | 4  | 32 |
| 26 | 1                     | 1  | 0 | 1  | 1 | 42 | 4 | 13 | 5 | 21 | 4 | 19 | 2                     | 56 | 3 | 26 | 5 | 40 | 7  | 43 | 7  | 25 | 4  | 24 |
| 27 | 0                     | 57 | 0 | 2  | 1 | 47 | 4 | 17 | 5 | 21 | 4 | 16 | 2                     | 55 | 3 | 29 | 5 | 45 | 7  | 45 | 7  | 21 | 4  | 17 |
| 28 | 0                     | 52 | 0 | 3  | 1 | 52 | 4 | 21 | 5 | 20 | 4 | 13 | 2                     | 54 | 3 | 32 | 5 | 50 | 7  | 47 | 7  | 17 | 4  | 9  |
| 29 | 0                     | 47 | 0 | 4  | 1 | 57 | 4 | 25 | 5 | 20 | 4 | 10 | 2                     | 53 | 3 | 35 | 5 | 55 | 7  | 49 | 7  | 14 | 4  | 2  |
| 30 | 0                     | 42 | 0 | 6  | 2 | 2  | 4 | 29 | 5 | 20 | 4 | 7  | 2                     | 54 | 3 | 39 | 6 | 4  | 7  | 51 | 7  | 10 | 3  | 54 |

**Tabula Equationis Dierum cum Noctibus**  
moderna verificata ad annos Christi. 1456.

| ○  | £  | qua | no | nes | Die | rum | £  | qua | no | nes | Die | rum |
|----|----|-----|----|-----|-----|-----|----|-----|----|-----|-----|-----|
| 8  | Y  | 8   | II | 69  | Ω   | mp  | ±  | m   | †  | h   | ≡   | X   |
| 1  | 8  | 8   | 17 | 14  | 10  | 44  | 16 | 8   | II | 44  | 15  | 36  |
| 2  | 8  | 18  | 17 | 40  | 20  | 36  | 15 | 56  | II | 44  | 15  | 52  |
| 3  | 8  | 48  | 17 | 52  | 20  | 32  | 15 | 44  | II | 40  | 16  | 8   |
| 4  | 9  | 8   | 18 | 4   | 20  | 28  | 15 | 28  | II | 40  | 16  | 24  |
| 5  | 9  | 18  | 18 | 16  | 20  | 24  | 15 | 16  | II | 40  | 16  | 4   |
| 6  | 9  | 48  | 18 | 28  | 20  | 16  | 15 | 4   | II | 44  | 16  | 52  |
| 7  | 10 | 8   | 18 | 40  | 20  | 12  | 14 | 52  | II | 44  | 17  | 8   |
| 8  | 10 | 18  | 19 | 0   | 20  | 8   | 14 | 36  | II | 48  | 17  | 28  |
| 9  | 10 | 48  | 19 | 16  | 20  | 0   | 14 | 20  | II | 52  | 17  | 48  |
| 10 | II | 8   | 19 | 28  | 19  | 52  | 14 | 8   | II | 56  | 18  | 8   |
| II | II | 28  | 19 | 36  | 19  | 44  | 13 | 56  | II | 0   | 18  | 28  |
| 12 | II | 48  | 19 | 44  | 19  | 36  | 13 | 48  | II | 4   | 18  | 48  |
| 13 | 12 | 8   | 19 | 56  | 19  | 28  | 13 | 36  | II | 8   | 19  | 4   |
| 14 | 12 | 28  | 10 | 4   | 19  | 20  | 13 | 28  | II | 12  | 19  | 24  |
| 15 | 12 | 48  | 10 | 12  | 19  | 16  | 13 | 16  | II | 20  | 19  | 44  |
| 16 | 13 | 12  | 20 | 16  | 19  | 8   | 13 | 4   | 12 | 28  | 20  | 4   |
| 17 | 13 | 32  | 20 | 20  | 19  | 0   | 13 | 56  | 12 | 36  | 20  | 24  |
| 18 | 13 | 48  | 20 | 28  | 18  | 48  | 12 | 48  | 12 | 44  | 20  | 44  |
| 19 | 14 | 4   | 20 | 36  | 18  | 36  | 12 | 44  | 12 | 52  | 21  | 8   |
| 20 | 14 | 20  | 10 | 40  | 18  | 20  | 12 | 38  | 13 | 4   | 21  | 28  |
| 21 | 14 | 36  | 10 | 44  | 18  | 4   | 12 | 28  | 13 | 20  | 21  | 48  |
| 22 | 14 | 52  | 10 | 44  | 17  | 48  | 12 | 20  | 13 | 36  | 22  | 4   |
| 23 | 15 | 12  | 10 | 44  | 17  | 40  | 12 | 12  | 13 | 48  | 22  | 24  |
| 24 | 15 | 32  | 10 | 44  | 17  | 32  | 12 | 4   | 14 | 0   | 22  | 48  |
| 25 | 15 | 48  | 10 | 44  | 17  | 20  | 12 | 0   | 14 | 16  | 23  | 12  |
| 26 | 16 | 4   | 20 | 44  | 17  | 8   | II | 56  | 14 | 28  | 23  | 40  |
| 27 | 16 | 10  | 20 | 44  | 16  | 56  | II | 52  | 14 | 40  | 24  | 8   |
| 28 | 16 | 36  | 20 | 48  | 16  | 40  | II | 48  | 14 | 56  | 24  | 18  |
| 29 | 16 | 52  | 20 | 48  | 16  | 28  | II | 44  | 15 | 8   | 24  | 48  |
| 30 | 17 | 8   | 20 | 48  | 16  | 20  | II | 44  | 15 | 24  | 25  | 8   |



Tabula Cōuersionis Horarū & suarū fractionū in Gradus & suas fractiones.

| Dox |     |  | Dox |   |    | Dox |    |    |
|-----|-----|--|-----|---|----|-----|----|----|
| I   | q   |  | m   | q | m  | m   | q  | m  |
| 1   | 15  |  | 1   | 0 | 15 | 31  | 7  | 45 |
| 2   | 30  |  | 2   | 0 | 30 | 32  | 8  | 0  |
| 3   | 45  |  | 3   | 0 | 45 | 33  | 8  | 15 |
| 4   | 60  |  | 4   | 1 | 0  | 34  | 8  | 30 |
| 5   | 75  |  | 5   | 1 | 15 | 35  | 8  | 45 |
| 6   | 90  |  | 6   | 1 | 30 | 36  | 9  | 0  |
| 7   | 105 |  | 7   | 1 | 45 | 37  | 9  | 15 |
| 8   | 120 |  | 8   | 2 | 0  | 38  | 9  | 30 |
| 9   | 135 |  | 9   | 2 | 15 | 39  | 9  | 45 |
| 10  | 150 |  | 10  | 2 | 30 | 40  | 10 | 0  |
| 11  | 165 |  | 11  | 2 | 45 | 41  | 10 | 15 |
| 12  | 180 |  | 12  | 3 | 0  | 42  | 10 | 30 |
| 13  | 195 |  | 13  | 3 | 15 | 43  | 10 | 45 |
| 14  | 210 |  | 14  | 3 | 30 | 44  | 11 | 0  |
| 15  | 225 |  | 15  | 3 | 45 | 45  | 11 | 15 |
| 16  | 240 |  | 16  | 4 | 0  | 46  | 11 | 30 |
| 17  | 255 |  | 17  | 4 | 15 | 47  | 11 | 45 |
| 18  | 270 |  | 18  | 4 | 30 | 48  | 12 | 0  |
| 19  | 285 |  | 19  | 4 | 45 | 49  | 12 | 15 |
| 20  | 300 |  | 20  | 5 | 0  | 50  | 12 | 30 |
| 21  | 315 |  | 21  | 5 | 15 | 51  | 12 | 45 |
| 22  | 330 |  | 22  | 5 | 30 | 52  | 13 | 0  |
| 23  | 345 |  | 23  | 5 | 45 | 53  | 13 | 15 |
| 24  | 360 |  | 24  | 6 | 0  | 54  | 13 | 30 |
|     |     |  | 25  | 6 | 15 | 55  | 13 | 45 |
|     |     |  | 26  | 6 | 30 | 56  | 14 | 0  |
|     |     |  | 27  | 6 | 45 | 57  | 14 | 15 |
|     |     |  | 28  | 7 | 0  | 58  | 14 | 30 |
|     |     |  | 29  | 7 | 15 | 59  | 14 | 45 |
|     |     |  | 30  | 7 | 30 | 60  | 15 | 0  |
|     |     |  | 1   | m | 1  | 1   | m  | 1  |
|     |     |  | 2   | 1 | 2  | 2   | 1  | 2  |
|     |     |  | 3   | 2 | 3  | 3   | 2  | 3  |
|     |     |  | 4   | 3 | 4  | 4   | 3  | 4  |

**T**abula Cōuersionis  
minutorū dierum in  
Gradus & suas frac.

| Dien |     | Dien |     |
|------|-----|------|-----|
| m    | g   | m    | g   |
| 1    | 6   | 31   | 186 |
| 2    | 11  | 32   | 192 |
| 3    | 18  | 33   | 198 |
| 4    | 24  | 34   | 204 |
| 5    | 30  | 35   | 210 |
| 6    | 36  | 36   | 216 |
| 7    | 41  | 37   | 222 |
| 8    | 48  | 38   | 228 |
| 9    | 54  | 39   | 234 |
| 10   | 60  | 40   | 240 |
| 11   | 66  | 41   | 246 |
| 12   | 71  | 42   | 252 |
| 13   | 78  | 43   | 258 |
| 14   | 84  | 44   | 264 |
| 15   | 90  | 45   | 270 |
| 16   | 96  | 46   | 276 |
| 17   | 102 | 47   | 282 |
| 18   | 108 | 48   | 288 |
| 19   | 114 | 49   | 294 |
| 20   | 120 | 50   | 300 |
| 21   | 126 | 51   | 306 |
| 22   | 132 | 52   | 312 |
| 23   | 138 | 53   | 318 |
| 24   | 144 | 54   | 324 |
| 25   | 150 | 55   | 330 |
| 26   | 156 | 56   | 336 |
| 27   | 162 | 57   | 342 |
| 28   | 168 | 58   | 348 |
| 29   | 174 | 59   | 354 |
| 30   | 180 | 60   | 360 |
| 3    | m   | 3    | m   |
| 3    | 3   | 3    | 3   |
| 4    | 3   | 4    | 3   |

Tabula conuersionis graduum z  
suaru fractionu in horas z suas

Tabula conuersionis graduum z suarum  
fractionu in minuta z 2 dierum zc.

| Quantitas | Gradus | Minuta | Secunda | Gradus | Minuta | Secunda | Quantitas | Gradus | Minuta | Secunda | Quantitas | Gradus | Minuta | Secunda |
|-----------|--------|--------|---------|--------|--------|---------|-----------|--------|--------|---------|-----------|--------|--------|---------|
| 1         | 0      | 4      | 31      | 1      | 4      | 70      | 1         | 0      | 10     | 31      | 1         | 0      | 10     | 31      |
| 2         | 0      | 8      | 32      | 2      | 8      | 80      | 2         | 0      | 20     | 32      | 2         | 0      | 20     | 32      |
| 3         | 0      | 12     | 33      | 3      | 12     | 90      | 3         | 0      | 30     | 33      | 3         | 0      | 30     | 33      |
| 4         | 0      | 16     | 34      | 4      | 16     | 100     | 4         | 0      | 40     | 34      | 4         | 0      | 40     | 34      |
| 5         | 0      | 20     | 35      | 5      | 20     | 110     | 5         | 0      | 50     | 35      | 5         | 0      | 50     | 35      |
| 6         | 0      | 24     | 36      | 6      | 24     | 120     | 6         | 1      | 0      | 36      | 6         | 1      | 0      | 36      |
| 7         | 0      | 28     | 37      | 7      | 28     | 130     | 7         | 1      | 10     | 37      | 7         | 1      | 10     | 37      |
| 8         | 0      | 32     | 38      | 8      | 32     | 140     | 8         | 1      | 20     | 38      | 8         | 1      | 20     | 38      |
| 9         | 0      | 36     | 39      | 9      | 36     | 150     | 9         | 1      | 30     | 39      | 9         | 1      | 30     | 39      |
| 10        | 0      | 40     | 40      | 10     | 40     | 160     | 10        | 1      | 40     | 40      | 10        | 1      | 40     | 40      |
| 11        | 0      | 44     | 41      | 11     | 44     | 170     | 11        | 1      | 50     | 41      | 11        | 1      | 50     | 41      |
| 12        | 0      | 48     | 42      | 12     | 48     | 180     | 12        | 2      | 0      | 42      | 12        | 2      | 0      | 42      |
| 13        | 0      | 52     | 43      | 13     | 52     | 190     | 13        | 2      | 10     | 43      | 13        | 2      | 10     | 43      |
| 14        | 0      | 56     | 44      | 14     | 56     | 200     | 14        | 2      | 20     | 44      | 14        | 2      | 20     | 44      |
| 15        | 1      | 0      | 45      | 15     | 0      | 210     | 15        | 2      | 30     | 45      | 15        | 2      | 30     | 45      |
| 16        | 1      | 4      | 46      | 16     | 4      | 220     | 16        | 2      | 40     | 46      | 16        | 2      | 40     | 46      |
| 17        | 1      | 8      | 47      | 17     | 8      | 230     | 17        | 2      | 50     | 47      | 17        | 2      | 50     | 47      |
| 18        | 1      | 12     | 48      | 18     | 12     | 240     | 18        | 3      | 0      | 48      | 18        | 3      | 0      | 48      |
| 19        | 1      | 16     | 49      | 19     | 16     | 250     | 19        | 3      | 10     | 49      | 19        | 3      | 10     | 49      |
| 20        | 1      | 20     | 50      | 20     | 20     | 260     | 20        | 3      | 20     | 50      | 20        | 3      | 20     | 50      |
| 21        | 1      | 24     | 51      | 21     | 24     | 270     | 21        | 3      | 30     | 51      | 21        | 3      | 30     | 51      |
| 22        | 1      | 28     | 52      | 22     | 28     | 280     | 22        | 3      | 40     | 52      | 22        | 3      | 40     | 52      |
| 23        | 1      | 32     | 53      | 23     | 32     | 290     | 23        | 3      | 50     | 53      | 23        | 3      | 50     | 53      |
| 24        | 1      | 36     | 54      | 24     | 36     | 300     | 24        | 4      | 0      | 54      | 24        | 4      | 0      | 54      |
| 25        | 1      | 40     | 55      | 25     | 40     | 310     | 25        | 4      | 10     | 55      | 25        | 4      | 10     | 55      |
| 26        | 1      | 44     | 56      | 26     | 44     | 320     | 26        | 4      | 20     | 56      | 26        | 4      | 20     | 56      |
| 27        | 1      | 48     | 57      | 27     | 48     | 330     | 27        | 4      | 30     | 57      | 27        | 4      | 30     | 57      |
| 28        | 1      | 52     | 58      | 28     | 52     | 340     | 28        | 4      | 40     | 58      | 28        | 4      | 40     | 58      |
| 29        | 1      | 56     | 59      | 29     | 56     | 350     | 29        | 4      | 50     | 59      | 29        | 4      | 50     | 59      |
| 30        | 2      | 0      | 60      | 30     | 0      | 360     | 30        | 5      | 0      | 60      | 30        | 5      | 0      | 60      |
| m         | m      | 2      | m       | m      | 2      |         | m         | 2      | 3      | m       | 2         | 3      |        |         |
| 3         | 3      | 3      | 3       | 3      | 3      |         | 3         | 3      | 4      | 3       | 3         | 4      |        |         |
| 4         | 4      | 4      | 4       | 4      | 4      |         | 4         | 4      |        | 4       | 4         |        |        |         |

**X** tabula Regionū longitudinē z latitudinē locorū quorūcūq; hoc est distantia meridianorū z eleuationē poli iuenire. ¶ Sciendū q; dispositione duplici tabula regionū iuenit. Comuni enī dispositione z frequenti ea hoc modo ordinata iuenit: Ut loca pmo eorū no minib; scripta cernent. Deinde in directo cuiuslibet loci siue oppidi scribitur primo ordine eius longitudo in gradib; z minutis ab occidente habitato. quod occidens habitatū distat ab occidente vero versus orientē p. 17. 3. z. 30. m. Secūdo autē ordine eius latitudo scribitur sistr in gradib; z minutis: que est sui poli sup̄ horizontē eleuatio. Unā distantia locorū longitudinalis non est nisi distantia gradualis: vel horaria suorū meridianorū ab inuicē. z talis distantia solū sumit ab oriente ad occidentē: z eōuerso. Sed distantia locorū in latitudine est differētia gradualis eleuationis poli supra horizontē in altero. z talis distantia est solū de polo ad polū sumpta. Unā latitudo alicuius loci non est aliud q̄ eiusdem loci poli supra horizontē eleuatio. ¶ Scias tñ q; in tabula presenti regionū: p quā hic operamur: scribunt post noīa locorū (vt labor reductionis cūbet abesse) differentie longitudinū in horis z minutis: Deinde poli eleuatio p gradus. cū quibus si operari volueris ad diuersos meridianos a meridiano 2o letis: operare vt dicis loco suo in propositionibus. ¶ In alijs enī tabulis regionū vbi lōgītudo gradibus z minutis constat: necesse est si p eam operari volueris: vt supra: vt longitudines duorū locorū ab inuicē subtrahes: minorē. s. a maiori. z remanēs est differētia in gradib; z minuti. Que deinde opus esset eā in horas z minuta zc. p sequentē cōuertere: z deinde cū illo opari: vt dicis in suis ppositio-  
(nib;.

**C** Ex tabula autē climatū z parallelorū vbi numerū polarem ex tabula regionū acceptum inuenies: illic in quo parallelo z climate illa ciuitas sit cognosces: et diem eius longiorem zc.

**X** tabula pō propria quantitatis dierū vbiuis diei cuiuscūq; plixi-  
tate agnosces: si numeros in capite tabule positi eleuationē poli bo-  
realis significantes: z in laterib; extremis signa zodiaci cum ternis  
gradib; aniaduertas. Nā illic ad quāuis diē si accipias signū z gra-  
dū Solis. et edirecto ipsius sub numero eleuationis polaris appa-  
rebit quātitas tps semidiurni in horis z minutis suis: si sol in aliquo signorū bo-  
realiū fuerit: aut quantitas tps seminocturni si in australi quopiā extiterit. Qd  
tps seminocturnū ex. 12. horis ablatū relinqt quātitatē tps semidiurni. Ea autē  
quātitate duplicata totū tps diurnū cōstabit. Cū autē dies cū nocte sua simul. 24.  
horis cōstent: si quātitate diei ex. 24. horis demas: quātitas noctis relinquet. q;  
si grad° Solis nō appareat in altēssitro extremorū ordinib; cōsiderab; duos iuxta  
eū viciniores. Nā penes sitū ei° ad illos pportionaliter coniectabis quātitatē  
tps semidiurni mediā quodāmodo inter duas quātitates dierū duob; illis vi-  
cinioribus gradib; cōrespōdētes. Porro semidiurni tps quātitas indicat qua  
hora sol occidit: sicut z seminocturnū tempus ortus Solis declarat. Signa autē  
Borealia sunt ♄ ♃ ♅ ♆ ♇ ♈ ♉ ♊ ♋ ♌ ♍ ♎ ♏ ♐ ♑ ♒ ♓ Australia pō ♈ ♉ ♊ ♋ ♌ ♍ ♎ ♏ ♐ ♑ ♒ ♓ X

X horis equinoctialibus siue equalib<sup>9</sup> horis zodiaci siue inequa-  
les extrahere. C Numerum horarum ortus Solis (si horas in-  
equales diuinas volueris) ab horis post ortu lapsis subtrahere: et re-  
siduū serua ad partem. Deinde semidiurnū per precedentem ac-  
ceptū p sex partire: et numer<sup>9</sup> q̄tiēs est quātitas hore inequalis, cū  
qua diuide residuū supra iam seruātū ad partē. et numer<sup>9</sup> pueniēs est hora ineq̄  
lis diurna. Non dissimiliter horā inequalē nocturnā inuenies: si horas occasus  
Solis ab horis post occasum subtrahis: et seminocturnū p sex partiris: et in cete-  
ris ages in singulis p modū dictū de horis diurnis.

X tabulis equationis dierū: (Quarū in presenti duplices sunt de-  
scripte: Vetus. s. g. r. m. moderna. m. z. i. hor. equationū dier sub  
signis in capite: et in lateribus: in directo gradus Solis continētes)  
Diem diuersum: et equationē dierū: et horam equationis: et horam  
regionis inuenire. Cūc est notandū: q̄ dies diuersus est inte-  
gra firmamēti cū additamēto illi<sup>9</sup> partis quā sol interea vero motu p̄trāsuit re-  
uolutio. Qui dies est dies apparens: ad quēq̄ dies claudunt artificiales. Dies  
autē mediocris siue equalis est cōpleta firmamēti cū additamēto arcus quē sol  
interea scdm motū mediū p̄trāsuit reuolutio. Qui dies est Astronomic<sup>9</sup>. Et ad  
hunc diē omniū motuū tabule sunt cōstitute. Cū circa hec discussio qdā nullate-  
nus est negligenda. et est: q̄ circa horarū acceptiones cōtingit nos aliqñ decipi:  
nō recolētes de diuersitate dierū et horarū: ad quas equant cursus planetarū: et  
horarū q̄ p instrumēta accipiunt: ad quas quidē Ascēdens et reliq̄ dom<sup>9</sup> mecnō  
aspectus planetarū equari precipiunt. Est enī inter eas diuersitas aliqñ maior:  
aliqñ minor: et aliqñ nulla: vt alibi habet. Sed quēadmodū nos cauti esse debe-  
mus i iuuando nos cū hac diuersitate: his sequētib<sup>9</sup> intelligit. Siquidē hora p  
instrumētū aliqued deprehensa: q̄ hora regionis noīa: ad quāq̄ Ascēdes reliq̄  
dom<sup>9</sup> equant sit cognita: ad quā inuenire voluerim<sup>9</sup> vera loca planetarū. Hora  
igif tali cognita: nos ex alterutra tabularū equationis dierū sub signo in directo  
gradus Solis certitudinaliter equati equationē dierū accipiem<sup>9</sup>. et illā equatio-  
nē dierū: si eā ex tabula veteri accepisti: reductā in tps horarū p sequētē ppōnē  
(tabula enī moderna tps reductū cōtinet) a tpe hore cognite subtrahemus. et cū  
residuo loca planetarū inuestigabim<sup>9</sup>. et he hore sic examine vocate sunt hore  
equationis. Si autē locus planete sit notus: sicuti locus p̄iūctionis vel p̄uēctio-  
nis luminariū: vel p̄iūctionis aliqñ planetarū: vel eorū oppositiōis: aut introit<sup>9</sup>  
planete cuiuslibet in quēlibet gradu signi cuiuslibet. et horā quā hoc erat vel fue-  
rat velimus inuenire. Tūc horis p aduentū stelle p̄deuntib<sup>9</sup> ad locū addere de-  
bemus equationē dierū scdm modū antedictū: quēadmodū prius cū hora nota  
esset. et locū stelle inuenire vellem<sup>9</sup>: equationē dierū ab horis illis subtraxim<sup>9</sup>. et  
ita examināde sunt hore: vt sciam<sup>9</sup> q̄ sunt hore equationis: et q̄ regionis.

C Ex tabula autē vltima hic scz conuersionū tēporis in gradus et minuta: et ecō-  
uerso et habemus per q̄ facilliter: si titulos tabule inspicim<sup>9</sup>: qui hec omnia pla-  
ne explanant studiosis astronomie. Finis.

4353  
6009

Tabule Astronomice Diui Alfonsi Ro-  
manorū z Castilie Regis Illustrissimi  
Felicib' astris incipiunt.

Tabula Tempoz hoc ē Erarū differentie: siue Differentiarū vni-  
us regni ad aliud: z nomina regū atq; cuiuslibet ere cognite.

| Ann. | Dies   | 4 | 3  | 2  | 1  |                                                     |
|------|--------|---|----|----|----|-----------------------------------------------------|
| Rōm. | supfl. |   |    |    |    |                                                     |
| 4353 | 105    | 7 | 21 | 40 | 38 | Ere Diluuij vniuersal' z ere Alfonsi regis Dia      |
| 1993 | 96     | 3 | 22 | 44 | 25 | Ere Nabuchodonosor: z ere alfonsi regis Dia         |
| 1574 | 102    | 2 | 39 | 45 | 5  | Ere Philippi p̄is alex. z ere alfonsi regis Dia     |
| 1562 | 244    | 2 | 38 | 32 | 44 | Ere Alexandri magni z ere alfonsi regis Dia         |
| 1289 | 152    | 2 | 10 | 49 | 19 | Ere Cesaris z ere alfonsi regis Dia                 |
| 1251 | 152    | + | 2  | 6  | 57 | 59 Ere Incarnationis christi z ere alfon. regis Dia |
| 967  | 277    | 1 | 38 | 11 | 13 | Ere Diocletiani z ere alfonsi regis Dia             |
| 629  | 322    | 1 | 3  | 54 | 24 | Ere Albigera id est arabū z ere alfonsi regis Dia   |
| 619  | 351    | 1 | 2  | 54 | 0  | Ere Jeldagert regis persarū z ere alfon. regis Dia  |
| 2355 | 10     | 3 | 58 | 56 | 13 | Ere Diluuij z ere nabuchodonosor Dia                |
| 2778 | 269    | 4 | 41 | 55 | 33 | Ere diluuij z ere philippi Dia                      |
| 2790 | 227    | 4 | 43 | 7  | 54 | Ere diluuij z ere alexandri magni. Dia              |
| 3063 | 319    | 5 | 10 | 51 | 19 | Ere diluuij z ere cesaris. Dia                      |
| 3101 | 319    | + | 5  | 14 | 43 | 39 Ere diluuij z ere incarnationis. Dia             |
| 3385 | 194    | 5 | 43 | 29 | 25 | Ere diluuij z ere diocletiani. Dia                  |
| 3723 | 269    | 6 | 17 | 48 | 14 | Ere diluuij z ere arabum. Dia                       |
| 3733 | 720    | 6 | 18 | 46 | 38 | Ere diluuij z ere persarum. Dia                     |
| 423  | 265    | 0 | 42 | 59 | 20 | Ere Nabuchodonosor z ere philippi Dia               |
| 435  | 218    | 0 | 41 | 11 | 41 | Ere nabuchodonosor z ere alexandri mag. Dia         |
| 708  | 309    | 1 | 11 | 55 | 6  | Ere nabuchodonosor z ere cesaris. Dia               |
| 746  | 310    | + | 1  | 15 | 46 | 26 Ere nabuchodonosor z ere incarnationis. Dia      |
| 1030 | 185    | 1 | 44 | 33 | 12 | Ere nabuchodonosor z ere diocletiani Dia            |
| 1368 | 139    | 1 | 18 | 50 | 1  | Ere nabuchodonosor z ere arabum. Dia                |
| 1378 | 111    | 2 | 19 | 50 | 25 | Ere nabuchodonosor z ere persarum Dia               |

| Anni | Dico   | 2 | 3  | 4  | 5  | 6  | 7 |                                       |     |
|------|--------|---|----|----|----|----|---|---------------------------------------|-----|
| Rōni | supfl. |   |    |    |    |    |   |                                       |     |
| 11   | 324    | 0 | 1  | 12 | 21 |    |   | Ere philippi z ere alexandri magni    | Dia |
| 285  | 250    | 0 | 28 | 55 | 46 |    |   | Ere philippi z ere cesaris            | Dia |
| 323  | 51     | + | 0  | 32 | 47 | 6  |   | Ere philippi z ere incarnationis      | Dia |
| 606  | 291    |   | 1  | 1  | 33 | 52 |   | Ere philippi z ere diocletiani        | Dia |
| 934  | 278    |   | 1  | 35 | 50 | 41 |   | Ere philippi z ere arabum             | Dia |
| 1144 | 209    |   | 1  | 36 | 51 | 5  |   | Ere philippi z ere perfarum           | Dia |
| 1273 | 92     |   | 0  | 27 | 43 | 25 |   | Ere alexandri magni z ere cesario     | Dia |
| 311  | 93     | + | 0  | 31 | 34 | 45 |   | Ere alexandri magni ere incarnationis | Dia |
| 596  | 221    |   | 1  | 0  | 31 | 31 |   | Ere alexandri magni z ere diocletiani | Dia |
| 932  | 287    |   | 1  | 34 | 38 | 20 |   | Ere alexandri magni z ere arabum      | Dia |
| 942  | 259    |   | 1  | 35 | 38 | 44 |   | Ere alexandri magni z ere perfarum    | Dia |
| 38   | 1      | + | 0  | 3  | 51 | 20 |   | Ere cesaris z ere incarnationis       | Dia |
| 321  | 241    |   | 0  | 32 | 38 | 6  |   | Ere cesaris z ere diocletiani         | Dia |
| 667  | 244    |   | 1  | 6  | 54 | 55 |   | Ere cesaris z ere arabum              | Dia |
| 241  | 167    |   | 1  | 7  | 55 | 19 |   | Ere cesaris z ere perfarum            | Dia |
| 283  | 241    | + | 0  | 28 | 46 | 46 |   | Ere incarnationis z ere diocletiani   | Dia |
| 621  | 185    |   | 1  | 3  | 3  | 35 |   | Ere incarnationis z ere arabum        | Dia |
| 631  | 167    |   | 1  | 4  | 3  | 59 |   | Ere incarnationis z ere perfarum      | Dia |
| 328  | 7      |   | 0  | 34 | 16 | 49 |   | Ere diocletiani z ere arabum          | Dia |
| 347  | 292    |   | 0  | 35 | 17 | 13 |   | Ere diocletiani z ere perfarum        | Dia |
| 9    | 337    |   | 0  | 1  | 0  | 24 |   | Ere arabum z ere perfarum             | Dia |
| 3882 | 167    |   | 6  | 33 | 56 | 7  |   | Ere adam z ere diluuij                | Dia |

|    |    |    |    |  |
|----|----|----|----|--|
| 4  | 3  | 2  | 1  |  |
| 03 | 27 | 17 | 30 |  |
| 00 | 50 | 23 | 43 |  |
| 00 | 02 | 01 | 45 |  |
| 00 | 80 | 12 | 10 |  |
| 09 | 20 | 15 | 09 |  |

16, 41, 58, 40  
 00, 00, 00, 30  
 06, 41, 57, 10

many...  
 many...

|    |    |    |
|----|----|----|
| 7  | 2  | 21 |
| 05 | 24 | 02 |
| 01 | 31 | 18 |
| 00 | 06 | 05 |
| 06 | 41 | 06 |
| 00 | 00 | 12 |
| 05 | 41 | 57 |

Tabula ad inueniendū omnes eras biseptiles: z ad extrahendū vnā eram incognitam ex altera cognita.

Annū romani collecti cōes ad annos ere christi alexandrie: sar: diocletiani z alfonfi.

Annū romani cōmunes expāsi ad annos ere incarnationis xpi z alfonfi.

Menses romani cōmunes ad annos ere christi et cesaris.

Menses. Mō biseptiles.

| Annū | 4 | 5  | 2  | 1  |    | Annū | 5 | 2  | 1  | m  | Moia z nūc. | 2  | 1 | dies       |
|------|---|----|----|----|----|------|---|----|----|----|-------------|----|---|------------|
| 40   | 0 | 4  | 3  | 30 |    | 1    | 0 | 6  | 5  | 15 | Janua.      | 1  | 0 | 31         |
| 60   | 0 | 6  | 5  | 15 |    | 2    | 0 | 12 | 10 | 30 | Feb.        | 2  | 0 | 59         |
| 80   | 0 | 8  | 7  | 0  |    | 3    | 0 | 18 | 15 | 45 | Mar.        | 3  | 1 | 30         |
| 100  | 0 | 10 | 8  | 45 |    | 4 b  | 0 | 24 | 21 | 0  | April       | 4  | 2 | 0          |
| 120  | 0 | 12 | 10 | 30 |    | 5    | 0 | 30 | 26 | 15 | May         | 5  | 2 | 31         |
| 140  | 0 | 14 | 12 | 15 |    | 6    | 0 | 36 | 31 | 30 | Jun.        | 6  | 3 | 1          |
| 160  | 0 | 16 | 14 | 0  |    | 7    | 0 | 42 | 36 | 45 | Jul.        | 7  | 3 | 31         |
| 180  | 0 | 18 | 16 | 45 |    | 8 b  | 0 | 48 | 42 | 0  | Aug.        | 8  | 4 | 3          |
| 200  | 1 | 0  | 18 | 30 |    | 9    | 0 | 54 | 47 | 15 | Sept.       | 9  | 4 | 33         |
| 220  | 1 | 11 | 1  | 15 |    | 10   | 1 | 0  | 52 | 30 | Octob       | 10 | 5 | 4          |
| 240  | 1 | 12 | 10 | 0  |    | 11   | 1 | 6  | 57 | 45 | Nov.        | 11 | 5 | 34         |
| 260  | 1 | 13 | 18 | 45 |    | 12 b | 1 | 13 | 3  | 0  | Dec.        | 12 | 6 | 5          |
| 280  | 1 | 14 | 27 | 30 |    | 13   | 1 | 19 | 8  | 15 | Menses      |    |   | Biseptiles |
| 300  | 1 | 15 | 55 | 0  |    | 14   | 1 | 25 | 13 | 30 | Moia z nūc. | 2  | 1 | dies       |
| 320  | 1 | 16 | 23 | 30 |    | 15   | 1 | 31 | 18 | 45 | Janu.       | 1  | 0 | 31         |
| 340  | 1 | 17 | 45 | 0  |    | 16 b | 1 | 37 | 24 | 0  | Feb.        | 2  | 1 | 0          |
| 360  | 1 | 18 | 17 | 30 |    | 17   | 1 | 43 | 29 | 15 | Mar.        | 3  | 1 | 31         |
| 380  | 1 | 19 | 8  | 45 |    | 18   | 1 | 49 | 34 | 30 | April       | 4  | 2 | 1          |
| 400  | 1 | 20 | 50 | 12 | 30 | 19   | 1 | 55 | 39 | 45 | May         | 5  | 2 | 32         |
| 420  | 1 | 21 | 31 | 40 | 0  | 20 b | 2 | 1  | 45 | 0  | Jun.        | 6  | 3 | 2          |
|      |   |    |    |    |    |      |   |    |    |    | Jul.        | 7  | 3 | 33         |
|      |   |    |    |    |    |      |   |    |    |    | Aug.        | 8  | 4 | 4          |
|      |   |    |    |    |    |      |   |    |    |    | Sept.       | 9  | 4 | 34         |
|      |   |    |    |    |    |      |   |    |    |    | Octob       | 10 | 5 | 5          |
|      |   |    |    |    |    |      |   |    |    |    | Nov.        | 11 | 5 | 35         |
|      |   |    |    |    |    |      |   |    |    |    | Dec.        | 12 | 6 | 6          |

si bōis in quibusdam casibus q̄d fluxit in mōis ere. in annis mōis bōis. 8 bō p. 6  
que sūt ex illa gra. trāstia. 2. 7. 10. nota. tūc aut bōis illa. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 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811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 846. 847. 848. 849. 850. 851. 852. 853. 854. 855. 856. 857. 858. 859. 860. 861. 862. 863. 864. 865. 866. 867. 868. 869. 870. 871. 872. 873. 874. 875. 876. 877. 878. 879. 880. 881. 882. 883. 884. 885. 886. 887. 888. 889. 890. 891. 892. 893. 894. 895. 896. 897. 898. 899. 900. 901. 902. 903. 904. 905. 906. 907. 908. 909. 910. 911. 912. 913. 914. 915. 916. 917. 918. 919. 920. 921. 922. 923. 924. 925. 926. 927. 928. 929. 930. 931. 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953. 954. 955. 956. 957. 958. 959. 960. 961. 962. 963. 964. 965. 966. 967. 968. 969. 970. 971. 972. 973. 974. 975. 976. 977. 978. 979. 980. 981. 982. 983. 984. 985. 986. 987. 988. 989. 990. 991. 992. 993. 994. 995. 996. 997. 998. 999. 1000. 1001. 1002. 1003. 1004. 1005. 1006. 1007. 1008. 1009. 1010. 1011. 1012. 1013. 1014. 1015. 1016. 1017. 1018. 1019. 1020. 1021. 1022. 1023. 1024. 1025. 1026. 1027. 1028. 1029. 1030. 1031. 1032. 1033. 1034. 1035. 1036. 1037. 1038. 1039. 1040. 1041. 1042. 1043. 1044. 1045. 1046. 1047. 1048. 1049. 1050. 1051. 1052. 1053. 1054. 1055. 1056. 1057. 1058. 1059. 1060. 1061. 1062. 1063. 1064. 1065. 1066. 1067. 1068. 1069. 1070. 1071. 1072. 1073. 1074. 1075. 1076. 1077. 1078. 1079. 1080. 1081. 1082. 1083. 1084. 1085. 1086. 1087. 1088. 1089. 1090. 1091. 1092. 1093. 1094. 1095. 1096. 1097. 1098. 1099. 1100. 1101. 1102. 1103. 1104. 1105. 1106. 1107. 1108. 1109. 1110. 1111. 1112. 1113. 1114. 1115. 1116. 1117. 1118. 1119. 1120. 1121. 1122. 1123. 1124. 1125. 1126. 1127. 1128. 1129. 1130. 1131. 1132. 1133. 1134. 1135. 1136. 1137. 1138. 1139. 1140. 1141. 1142. 1143. 1144. 1145. 1146. 1147. 1148. 1149. 1150. 1151. 1152. 1153. 1154. 1155. 1156. 1157. 1158. 1159. 1160. 1161. 1162. 1163. 1164. 1165. 1166. 1167. 1168. 1169. 1170. 1171. 1172. 1173. 1174. 1175. 1176. 1177. 1178. 1179. 1180. 1181. 1182. 1183. 1184. 1185. 1186. 1187. 1188. 1189. 1190. 1191. 1192. 1193. 1194. 1195. 1196. 1197. 1198. 1199. 1200. 1201. 1202. 1203. 1204. 1205. 1206. 1207. 1208. 1209. 1210. 1211. 1212. 1213. 1214. 1215. 1216. 1217. 1218. 1219. 1220. 1221. 1222. 1223. 1224. 1225. 1226. 1227. 1228. 1229. 1230. 1231. 1232. 1233. 1234. 1235. 1236. 1237. 1238. 1239. 1240. 1241. 1242. 1243. 1244. 1245. 1246. 1247. 1248. 1249. 1250. 1251. 1252. 1253. 1254. 1255. 1256. 1257. 1258. 1259. 1260. 1261. 1262. 1263. 1264. 1265. 1266. 1267. 1268. 1269. 1270. 1271. 1272. 1273. 1274. 1275. 1276. 1277. 1278. 1279. 1280. 1281. 1282. 1283. 1284. 1285. 1286. 1287. 1288. 1289. 1290. 1291. 1292. 1293. 1294. 1295. 1296. 1297. 1298. 1299. 1300. 1301. 1302. 1303. 1304. 1305. 1306. 1307. 1308. 1309. 1310. 1311. 1312. 1313. 1314. 1315. 1316. 1317. 1318. 1319. 1320. 1321. 1322. 1323. 1324. 1325. 1326. 1327. 1328. 1329. 1330. 1331. 1332. 1333. 1334. 1335. 1336. 1337. 1338. 1339. 1340. 1341. 1342. 1343. 1344. 1345. 1346. 1347. 1348. 1349. 1350. 1351. 1352. 1353. 1354. 1355. 1356. 1357. 1358. 1359. 1360. 1361. 1362. 1363. 1364. 1365. 1366. 1367. 1368. 1369. 1370. 1371. 1372. 1373. 1374. 1375. 1376. 1377. 1378. 1379. 1380. 1381. 1382. 1383. 1384. 1385. 1386. 1387. 1388. 1389. 1390. 1391. 1392. 1393. 1394. 1395. 1396. 1397. 1398. 1399. 1400. 1401. 1402. 1403. 1404. 1405. 1406. 1407. 1408. 1409. 1410. 1411. 1412. 1413. 1414. 1415. 1416. 1417. 1418. 1419. 1420. 1421. 1422. 1423. 1424. 1425. 1426. 1427. 1428. 1429. 1430. 1431. 1432. 1433. 1434. 1435. 1436. 1437. 1438. 1439. 1440. 1441. 1442. 1443. 1444. 1445. 1446. 1447. 1448. 1449. 1450. 1451. 1452. 1453. 1454. 1455. 1456. 1457. 1458. 1459. 1460. 1461. 1462. 1463. 1464. 1465. 1466. 1467. 1468. 1469. 1470. 1471. 1472. 1473. 1474. 1475. 1476. 1477. 1478. 1479. 1480. 1481. 1482. 1483. 1484. 1485. 1486. 1487. 1488. 1489. 1490. 1491. 1492. 1493. 1494. 1495. 1496. 1497. 1498. 1499. 1500. 1501. 1502. 1503. 1504. 1505. 1506. 1507. 1508. 1509. 1510. 1511. 1512. 1513. 1514. 1515. 1516. 1517. 1518. 1519. 1520. 1521. 1522. 1523. 1524. 1525. 1526. 1527. 1528. 1529. 1530. 1531. 1532. 1533. 1534. 1535. 1536. 1537. 1538. 1539. 1540. 1541. 1542. 1543. 1544. 1545. 1546. 1547. 1548. 1549. 1550. 1551. 1552. 1553. 1554. 1555. 1556. 1557. 1558. 1559. 1560. 1561. 1562. 1563. 1564. 1565. 1566. 1567. 1568. 1569. 1570. 1571. 1572. 1573. 1574. 1575. 1576. 1577. 1578. 1579. 1580. 1581. 1582. 1583. 1584. 1585. 1586. 1587. 1588. 1589. 1590. 1591. 1592. 1593. 1594. 1595. 1596. 1597. 1598. 1599. 1600. 1601. 1602. 1603. 1604. 1605. 1606. 1607. 1608. 1609. 1610. 1611. 1612. 1613. 1614. 1615. 1616. 1617. 1618. 1619. 1620. 1621. 1622. 1623. 1624. 1625. 1626. 1627. 1628. 1629. 1630. 1631. 1632. 1633. 1634. 1635. 1636. 1637. 1638. 1639. 1640. 1641. 1642. 1643. 1644. 1645. 1646. 1647. 1648. 1649. 1650. 1651. 1652. 1653. 1654. 1655. 1656. 1657. 1658. 1659. 1660. 1661. 1662. 1663. 1664. 1665. 1666. 1667. 1668. 1669. 1670. 1671. 1672. 1673. 1674. 1675. 1676. 1677. 1678. 1679. 1680. 1681. 1682. 1683. 1684. 1685. 1686. 1687. 1688. 1689. 1690. 1691. 1692. 1693. 1694. 1695. 1696. 1697. 1698. 1699. 1700. 1701. 1702. 1703. 1704. 1705. 1706. 1707. 1708. 1709. 1710. 1711. 1712. 1713. 1714. 1715. 1716. 1717. 1718. 1719. 1720. 1721. 1722. 1723. 1724. 1725. 1726. 1727. 1728. 1729. 1730. 1731. 1732. 1733. 1734. 1735. 1736. 1737. 1738. 1739. 1740. 1741. 1742. 1743. 1744.

**Tabula cōmunis ad inueniendum oēs eras bisextiles:  
z ad extrahendū vnam incognitam ex altera cognita.**

**Annus xp̄st̄i ere ale** **Annus xp̄st̄i e**  
**radri z diocletiani.** **re cesaris.**

**Menses grecorū ad annos alexandri**  
**magni regis ab octobri incipientes.**

|       |   |    |      |       |   |    |      | Menses                            | Non bise- | Bisexti- |
|-------|---|----|------|-------|---|----|------|-----------------------------------|-----------|----------|
|       |   |    |      |       |   |    |      |                                   | riles.    | les.     |
| Annus | z | z  | z m  | Annus | z | z  | z m  | Nomina                            | z         | z dies   |
| 1     | 0 | 6  | 530  | 1     | 0 | 6  | 545  | Therim 1 <sup>o</sup>             | 031       | 31       |
| 2     | 0 | 12 | 1045 | 2b    | 0 | 12 | 110  | Therim 2 <sup>o</sup>             | 1         | 1 61     |
| 3b    | 0 | 18 | 160  | 3     | 0 | 18 | 165  | Remis 1 <sup>o</sup>              | 132       | 92       |
| 4     | 0 | 24 | 2115 | 4     | 0 | 24 | 2130 | Remis 2 <sup>o</sup>              | 2         | 3 123    |
| 5     | 0 | 30 | 2630 | 5     | 0 | 30 | 2645 | Sabath                            | 231       | 151      |
| 6     | 0 | 36 | 3145 | 6b    | 0 | 36 | 320  | Adar                              | 3         | 2 182    |
| 7b    | 0 | 42 | 370  | 7     | 0 | 42 | 3715 | Nisan                             | 332       | 212      |
| 8     | 0 | 48 | 4215 | 8     | 0 | 48 | 4230 | Idar                              | 4         | 3 243    |
| 9     | 0 | 54 | 4730 | 9     | 0 | 54 | 4745 | Haziram                           | 433       | 273      |
| 10    | 1 | 0  | 52   | 10b   | 1 | 0  | 530  | Thamus                            | 5         | 4 304    |
| 11b   | 1 | 6  | 58   | 11    | 1 | 6  | 5815 | Abh                               | 535       | 335      |
| 12    | 1 | 13 | 3    | 12    | 1 | 13 | 330  | Eyul                              | 6         | 5 365    |
| 13    | 1 | 19 | 8    | 13    | 1 | 19 | 845  | Menses egyptiorū ad annos diocle- |           |          |
| 14    | 1 | 25 | 13   | 14b   | 1 | 25 | 140  | tiani a septembri incipientes.    |           |          |
| 15b   | 1 | 31 | 19   | 15    | 1 | 31 | 1915 | Menses                            | Non bise- | Bisexti- |
| 16    | 1 | 37 | 24   | 16    | 1 | 37 | 2430 |                                   | riles.    | les.     |
| 17    | 1 | 43 | 29   | 17    | 1 | 43 | 2945 | Noia                              | z         | z dies   |
| 18    | 1 | 49 | 34   | 18b   | 1 | 49 | 350  | Euth                              | 030       | 30       |
| 19b   | 1 | 55 | 40   | 19    | 1 | 55 | 4015 | Bala                              | 1         | 1 61     |
| 20    | 2 | 1  | 45   | 20    | 2 | 1  | 4530 | Detur                             | 131       | 91       |
|       |   |    |      |       |   |    |      | Herbich                           | 2         | 2 122    |
|       |   |    |      |       |   |    |      | Thoba                             | 233       | 153      |
|       |   |    |      |       |   |    |      | Amibur                            | 3         | 1 181    |
|       |   |    |      |       |   |    |      | Barmaer                           | 332       | 212      |
|       |   |    |      |       |   |    |      | Barraioda                         | 4         | 2 241    |
|       |   |    |      |       |   |    |      | Birbuorh                          | 433       | 273      |
|       |   |    |      |       |   |    |      | Suba                              | 5         | 3 303    |
|       |   |    |      |       |   |    |      | Abili                             | 534       | 334      |
|       |   |    |      |       |   |    |      | Adazre                            | 6         | 5 365    |



**Tabula communis ad inueniendū omnes eras non bisextiles: et ad extrahendū quamlibet eram incognitam per aliam notam.**

**¶ Anni communes col-  
lecti ad erā diluuij:  
Nabuchodonosor:  
philippi et regi per-  
farum.**

**¶ Anni expansi-  
cōes ad erā  
diluij: nabu-  
chodonosor:  
philippi et p-  
farum.**

**¶ Aēsenses egyptiorū quibus  
vtuntur in annis diluij: na-  
buchodonosor: philippi: et su-  
per almagesti.**

| Anni  | 4  | 3  | 2  | 1  | āni | 3 | 2  | 1  | Moia et nūc <sup>o</sup>        | 2  | 1 | Dies |
|-------|----|----|----|----|-----|---|----|----|---------------------------------|----|---|------|
| 40    | 0  | 4  | 3  | 10 | 1   | 0 | 6  | 5  | Luth                            | 1  | 0 | 30   |
| 60    | 0  | 6  | 5  | 0  | 2   | 0 | 12 | 10 | Baba                            | 2  | 1 | 0    |
| 80    | 0  | 8  | 6  | 40 | 3   | 0 | 18 | 15 | Accor                           | 3  | 1 | 30   |
| 100   | 0  | 10 | 8  | 20 | 4   | 0 | 24 | 20 | Arab                            | 4  | 2 | 0    |
| 200   | 0  | 20 | 16 | 40 | 5   | 0 | 30 | 25 | Sohbi                           | 5  | 2 | 30   |
| 300   | 0  | 30 | 25 | 0  | 6   | 0 | 36 | 30 | Adayr                           | 6  | 3 | 0    |
| 400   | 0  | 40 | 33 | 20 | 7   | 0 | 42 | 35 | Dhemamib                        | 7  | 3 | 30   |
| 500   | 0  | 50 | 41 | 40 | 8   | 0 | 48 | 40 | Sarmorum                        | 8  | 4 | 0    |
| 600   | 1  | 0  | 50 | 0  | 9   | 0 | 54 | 45 | Adachor                         | 9  | 4 | 30   |
| 700   | 1  | 10 | 58 | 20 | 10  | 1 | 0  | 50 | Seufi                           | 10 | 5 | 0    |
| 800   | 1  | 21 | 6  | 40 | 11  | 1 | 6  | 55 | Acticha                         | 11 | 5 | 30   |
| 900   | 1  | 31 | 15 | 0  | 12  | 1 | 13 | 0  | Adauzori                        | 12 | 6 | 5    |
| 1000  | 1  | 41 | 23 | 20 | 13  | 1 | 19 | 5  |                                 |    |   |      |
| 2000  | 3  | 22 | 46 | 40 | 14  | 1 | 25 | 10 | <b>¶ Tabula mensū per sari.</b> |    |   |      |
| 3000  | 5  | 4  | 10 | 0  | 15  | 1 | 31 | 15 | Moia et nūc <sup>o</sup>        | 2  | 1 | Dies |
| 4000  | 6  | 45 | 33 | 20 | 16  | 1 | 37 | 20 | Fordimech                       | 1  | 0 | 30   |
| 5000  | 8  | 26 | 56 | 40 | 17  | 1 | 43 | 25 | Ardaymech                       | 2  | 1 | 0    |
| 6000  | 10 | 8  | 20 | 0  | 18  | 1 | 49 | 30 | Eardimech                       | 3  | 1 | 30   |
| 7000  | 11 | 49 | 43 | 20 | 19  | 1 | 55 | 35 | Sirmech                         | 4  | 2 | 0    |
| 8000  | 13 | 31 | 6  | 40 | 20  | 2 | 1  | 40 | Adardary                        | 5  | 2 | 30   |
| 9000  | 15 | 12 | 30 | 0  |     |   |    |    | Sarēbemech                      | 6  | 3 | 0    |
| 10000 | 16 | 53 | 53 | 20 |     |   |    |    | Adabrathech                     | 7  | 3 | 30   |
|       |    |    |    |    |     |   |    |    | Ebemech                         | 8  | 4 | 0    |
|       |    |    |    |    |     |   |    |    | rdamech                         | 9  | 4 | 30   |
|       |    |    |    |    |     |   |    |    | Dimech                          | 10 | 5 | 0    |
|       |    |    |    |    |     |   |    |    | Behinemech                      | 11 | 5 | 30   |
|       |    |    |    |    |     |   |    |    | Azirdamech                      | 12 | 6 | 5    |

**Tabula ad inueniendū eram arabū:z ad extrahendū  
quamlibet eram incognitam per aliam notam.**

| Anni arabū collecti<br>p 1000. z aucti p 900 |    |    |    |     | Anni collecti aucti<br>per 30. |   |    |    |    | Anni arabum expansi. |   |   |    |    |    |
|----------------------------------------------|----|----|----|-----|--------------------------------|---|----|----|----|----------------------|---|---|----|----|----|
| Anni                                         | ā  | ī  | ī  | ī   | Anni                           | ā | ī  | ī  | ī  | Anni                 | ā | ī | ī  | ī  |    |
| 1800                                         | 1  | 57 | 11 | 0   | 30                             | 0 | 1  | 57 | 11 | 1                    |   | 0 | 0  | 54 | 11 |
| 2700                                         | 4  | 25 | 46 | 30  | 60                             | 0 | 5  | 54 | 22 | 2                    | b | 0 | 11 | 49 | 22 |
| 3600                                         | 5  | 54 | 22 | 0   | 90                             | 0 | 8  | 51 | 33 | 3                    |   | 0 | 17 | 43 | 3  |
| 4500                                         | 7  | 22 | 57 | 30  | 110                            | 0 | 11 | 48 | 44 | 4                    |   | 0 | 23 | 37 | 14 |
| 5400                                         | 8  | 51 | 33 | 0   | 150                            | 0 | 14 | 45 | 55 | 5                    | b | 0 | 29 | 32 | 15 |
| 6300                                         | 10 | 10 | 8  | 30  | 180                            | 0 | 17 | 43 | 6  | 6                    |   | 0 | 35 | 26 | 6  |
| 7200                                         | 11 | 48 | 44 | 0   | 210                            | 0 | 20 | 40 | 17 | 7                    | b | 0 | 41 | 21 | 17 |
| 8100                                         | 13 | 17 | 19 | 30  | 240                            | 0 | 23 | 37 | 28 | 8                    |   | 0 | 47 | 15 | 28 |
|                                              |    |    |    |     | 270                            | 0 | 26 | 34 | 39 | 9                    |   | 0 | 53 | 9  | 9  |
|                                              |    |    |    |     | 300                            | 0 | 29 | 31 | 50 | 10                   | b | 0 | 59 | 4  | 20 |
|                                              |    |    |    |     | 330                            | 0 | 32 | 29 | 1  | 11                   |   | 1 | 4  | 58 | 1  |
|                                              |    |    |    |     | 360                            | 0 | 35 | 26 | 11 | 12                   |   | 1 | 10 | 52 | 12 |
|                                              |    |    |    |     | 390                            | 0 | 38 | 23 | 23 | 13                   | b | 1 | 16 | 47 | 23 |
|                                              |    |    |    |     | 420                            | 0 | 41 | 20 | 34 | 14                   |   | 1 | 22 | 41 | 4  |
|                                              |    |    |    |     | 450                            | 0 | 44 | 17 | 45 | 15                   |   | 1 | 28 | 35 | 15 |
|                                              |    |    |    |     | 480                            | 0 | 47 | 14 | 56 | 16                   | b | 1 | 34 | 30 | 26 |
|                                              |    |    |    |     | 510                            | 0 | 50 | 12 | 7  | 17                   |   | 1 | 40 | 24 | 7  |
| Deses arab                                   |    |    |    | di  | 540                            | 0 | 53 | 9  | 18 | 18                   | b | 1 | 46 | 19 | 18 |
| Alimubara                                    | 1  | 0  | 30 | 30  | 570                            | 0 | 56 | 6  | 29 | 19                   |   | 1 | 52 | 13 | 29 |
| Sapbar                                       | 2  | 0  | 59 | 59  | 600                            | 0 | 59 | 3  | 40 | 20                   |   | 1 | 58 | 7  | 10 |
| Rabe 1 <sup>o</sup>                          | 3  | 1  | 29 | 89  | 630                            | 1 | 2  | 0  | 51 | 21                   | b | 2 | 4  | 2  | 21 |
| Rabe 2 <sup>o</sup>                          | 4  | 1  | 58 | 118 | 660                            | 1 | 4  | 58 | 2  | 22                   |   | 2 | 9  | 56 | 2  |
| Sumedi 1 <sup>o</sup>                        | 5  | 2  | 28 | 148 | 690                            | 1 | 7  | 55 | 13 | 23                   |   | 2 | 15 | 50 | 13 |
| Sumedi 2 <sup>o</sup>                        | 6  | 2  | 57 | 177 | 720                            | 1 | 10 | 52 | 24 | 24                   | b | 2 | 21 | 45 | 24 |
| Rage                                         | 7  | 3  | 27 | 207 | 750                            | 1 | 13 | 49 | 35 | 25                   |   | 2 | 27 | 39 | 5  |
| Sababen                                      | 8  | 3  | 56 | 236 | 780                            | 1 | 16 | 46 | 46 | 26                   | b | 2 | 33 | 34 | 16 |
| Ramada                                       | 9  | 4  | 29 | 266 | 810                            | 1 | 19 | 43 | 57 | 27                   |   | 2 | 39 | 28 | 27 |
| Sauel                                        | 10 | 4  | 55 | 295 | 840                            | 1 | 22 | 41 | 8  | 28                   |   | 2 | 45 | 22 | 8  |
| Dulchida                                     | 11 | 5  | 25 | 325 | 870                            | 1 | 25 | 38 | 19 | 29                   | b | 2 | 51 | 17 | 19 |
| Dulcheyra                                    | 12 | 5  | 54 | 354 | 900                            | 1 | 28 | 35 | 30 | 30                   |   | 2 | 57 | 11 | 0  |

Tabula extractionis unius ere ex altera ex eris hic posita.

Inuentio dierū diluuij p annos alfonsi regis. Inuentio dierū nabucho.

| Numerus annor col.<br>lector Alfonsi regis. |   |    |    |    |  | Numerus annor col.<br>lector Alfonsi regis. |   |    |    |    |  | Numerus annor col.<br>lector Alfonsi regis. |   |    |    |    |  |
|---------------------------------------------|---|----|----|----|--|---------------------------------------------|---|----|----|----|--|---------------------------------------------|---|----|----|----|--|
| Radix                                       | 4 | 3  | 2  | 1  |  | 400                                         | 4 | 3  | 2  | 1  |  | Rad                                         | 4 | 3  | 2  | 1  |  |
| 20                                          | 7 | 21 | 40 | 38 |  | 420                                         | 8 | 2  | 15 | 38 |  | 20                                          | 3 | 22 | 44 | 25 |  |
| 40                                          | 7 | 23 | 42 | 23 |  | 440                                         | 8 | 4  | 17 | 23 |  | 40                                          | 3 | 24 | 46 | 10 |  |
| 60                                          | 7 | 25 | 44 | 8  |  | 460                                         | 8 | 6  | 19 | 8  |  | 60                                          | 3 | 26 | 47 | 55 |  |
| 80                                          | 7 | 27 | 45 | 53 |  | 480                                         | 8 | 8  | 20 | 53 |  | 80                                          | 3 | 28 | 49 | 40 |  |
| 100                                         | 7 | 29 | 47 | 38 |  | 500                                         | 8 | 10 | 22 | 38 |  | 100                                         | 3 | 30 | 51 | 25 |  |
| 120                                         | 7 | 31 | 49 | 23 |  | 520                                         | 8 | 12 | 24 | 23 |  | 120                                         | 3 | 32 | 53 | 10 |  |
| 140                                         | 7 | 33 | 51 | 8  |  | 540                                         | 8 | 14 | 26 | 8  |  | 140                                         | 3 | 34 | 54 | 55 |  |
| 160                                         | 7 | 35 | 52 | 53 |  | 560                                         | 8 | 16 | 27 | 53 |  | 160                                         | 3 | 36 | 56 | 40 |  |
| 180                                         | 7 | 37 | 54 | 38 |  | 580                                         | 8 | 18 | 29 | 38 |  | 180                                         | 3 | 38 | 58 | 25 |  |
| 200                                         | 7 | 39 | 56 | 23 |  | 600                                         | 8 | 20 | 31 | 23 |  | 200                                         | 3 | 40 | 0  | 10 |  |
| 220                                         | 7 | 41 | 58 | 8  |  | 620                                         | 8 | 22 | 33 | 8  |  | 220                                         | 3 | 42 | 1  | 55 |  |
| 240                                         | 7 | 43 | 59 | 53 |  | 640                                         | 8 | 24 | 34 | 53 |  | 240                                         | 3 | 44 | 3  | 40 |  |
| 260                                         | 7 | 46 | 1  | 38 |  | 660                                         | 8 | 26 | 36 | 38 |  | 260                                         | 3 | 46 | 5  | 25 |  |
| 280                                         | 7 | 48 | 3  | 23 |  | 680                                         | 8 | 28 | 38 | 23 |  | 280                                         | 3 | 48 | 7  | 10 |  |
| 300                                         | 7 | 50 | 5  | 8  |  | 700                                         | 8 | 30 | 40 | 8  |  | 300                                         | 3 | 50 | 9  | 55 |  |
| 320                                         | 7 | 52 | 6  | 53 |  | 720                                         | 8 | 32 | 41 | 53 |  | 320                                         | 3 | 52 | 11 | 40 |  |
| 340                                         | 7 | 54 | 8  | 38 |  | 740                                         | 8 | 34 | 43 | 38 |  | 340                                         | 3 | 54 | 13 | 25 |  |
| 360                                         | 7 | 56 | 10 | 23 |  | 760                                         | 8 | 36 | 45 | 23 |  | 360                                         | 3 | 56 | 15 | 10 |  |
| 380                                         | 7 | 58 | 12 | 8  |  |                                             | 8 | 38 | 47 | 8  |  | 380                                         | 4 | 58 | 17 | 55 |  |
|                                             | 8 | 0  | 13 | 53 |  |                                             |   |    |    |    |  | 400                                         | 4 | 60 | 19 | 40 |  |

13-35-00  
13-35-00  
13-35-00  
13-35-00

54-20-20

54-20-20

54-20-20

54-20-20

54-20-20

4-31-41-40

4-31-41-40

4-31-41-40

4-31-41-40

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4-31-41-40

4-31-41-40



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lector Elifonfi regie.

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numerus annor col  
lector Elifonfi regie.

|       | 4 | 3  | 2  | 1  |     | 4 | 3  | 2  | 1  |       | 4 | 3  | 2  | 1  |
|-------|---|----|----|----|-----|---|----|----|----|-------|---|----|----|----|
| Radix | 2 | 38 | 32 | 44 | 400 | 3 | 19 | 7  | 44 | 'Rad' | 2 | 10 | 49 | 19 |
| 20    | 2 | 40 | 34 | 29 | 420 | 3 | 21 | 9  | 29 | 20    | 2 | 12 | 51 | 4  |
| 40    | 2 | 42 | 36 | 14 | 440 | 3 | 23 | 11 | 14 | 40    | 2 | 14 | 52 | 49 |
| 60    | 2 | 44 | 37 | 59 | 460 | 3 | 25 | 12 | 59 | 60    | 2 | 16 | 54 | 34 |
| 80    | 2 | 46 | 39 | 44 | 480 | 3 | 27 | 14 | 44 | 80    | 2 | 18 | 56 | 19 |
| 100   | 2 | 48 | 41 | 29 | 500 | 3 | 29 | 16 | 29 | 100   | 2 | 10 | 58 | 4  |
| 120   | 2 | 50 | 43 | 14 | 520 | 3 | 31 | 18 | 14 | 120   | 2 | 12 | 59 | 49 |
| 140   | 2 | 52 | 44 | 59 | 540 | 3 | 33 | 19 | 59 | 140   | 2 | 15 | 1  | 34 |
| 160   | 2 | 54 | 46 | 44 | 560 | 3 | 35 | 21 | 44 | 160   | 2 | 17 | 3  | 19 |
| 180   | 2 | 56 | 48 | 29 | 580 | 3 | 37 | 23 | 29 | 180   | 2 | 19 | 5  | 4  |
| 200   | 2 | 58 | 50 | 14 | 600 | 3 | 39 | 25 | 14 | 200   | 2 | 21 | 6  | 49 |
| 220   | 3 | 0  | 51 | 59 | 620 | 3 | 41 | 16 | 59 | 220   | 2 | 23 | 8  | 34 |
| 240   | 3 | 2  | 53 | 44 | 640 | 3 | 43 | 18 | 44 | 240   | 2 | 25 | 10 | 19 |
| 260   | 3 | 4  | 55 | 29 | 660 | 3 | 45 | 30 | 29 | 260   | 2 | 27 | 12 | 4  |
| 280   | 3 | 6  | 57 | 14 | 680 | 3 | 47 | 32 | 14 | 280   | 2 | 29 | 13 | 49 |
| 300   | 3 | 8  | 58 | 59 | 700 | 3 | 49 | 33 | 59 | 300   | 2 | 41 | 15 | 34 |
| 320   | 3 | 11 | 0  | 44 | 720 | 3 | 51 | 35 | 44 | 320   | 2 | 43 | 17 | 19 |
| 340   | 3 | 13 | 2  | 29 | 740 | 3 | 53 | 37 | 29 | 340   | 2 | 45 | 19 | 4  |
| 360   | 3 | 15 | 4  | 14 | 760 | 3 | 55 | 39 | 14 | 360   | 2 | 47 | 20 | 49 |
| 380   | 3 | 17 | 5  | 59 |     |   |    |    |    | 380   | 2 | 49 | 22 | 34 |

1 0 - 35 - 0 6  
1 3 - 35 - 0 6  
1 3 - 35 - 0 6  
1 3 - 35 - 0 6

3 1 - 20 - 24

6 4 - 20 - 24

5 4 - 20 - 24

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5 4 - 20 - 24  
5 4 - 20 - 24

4 - 32 - 42  
4 - 32 - 42  
4 - 31 - 42  
4 - 31 - 42  
4 - 31 - 42

5 4 - 20 - 24  
1 3 - 35 - 0 6  
1 3 - 35 - 0 6

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lector Alfonsi regie.

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|     | 4 | 3  | 2  | 1  |  | 4    | 3 | 2  | 1  |    |  |  | 4   | 3 | 2  | 1  |    |
|-----|---|----|----|----|--|------|---|----|----|----|--|--|-----|---|----|----|----|
| 400 | 2 | 51 | 24 | 19 |  | Rad. | 1 | 6  | 57 | 59 |  |  | 400 | 2 | 47 | 32 | 59 |
| 420 | 2 | 53 | 26 | 4  |  | 20   | 2 | 8  | 59 | 44 |  |  | 420 | 2 | 49 | 34 | 44 |
| 440 | 2 | 55 | 27 | 49 |  | 40   | 2 | 11 | 1  | 29 |  |  | 440 | 2 | 51 | 36 | 29 |
| 460 | 2 | 57 | 29 | 34 |  | 60   | 2 | 13 | 3  | 14 |  |  | 460 | 2 | 53 | 38 | 14 |
| 480 | 2 | 59 | 31 | 19 |  | 80   | 2 | 15 | 4  | 59 |  |  | 480 | 2 | 55 | 39 | 59 |
| 500 | 3 | 1  | 33 | 4  |  | 100  | 2 | 17 | 6  | 44 |  |  | 500 | 2 | 57 | 41 | 44 |
| 520 | 3 | 3  | 34 | 49 |  | 120  | 2 | 19 | 8  | 29 |  |  | 520 | 2 | 59 | 43 | 29 |
| 540 | 3 | 5  | 36 | 34 |  | 140  | 2 | 21 | 10 | 14 |  |  | 540 | 3 | 1  | 45 | 14 |
| 560 | 3 | 7  | 38 | 19 |  | 160  | 2 | 23 | 12 | 59 |  |  | 560 | 3 | 3  | 46 | 59 |
| 580 | 3 | 9  | 40 | 4  |  | 180  | 2 | 25 | 13 | 44 |  |  | 580 | 3 | 5  | 48 | 44 |
| 600 | 3 | 11 | 41 | 49 |  | 200  | 2 | 27 | 15 | 29 |  |  | 600 | 3 | 7  | 50 | 29 |
| 620 | 3 | 13 | 43 | 34 |  | 220  | 2 | 29 | 17 | 14 |  |  | 620 | 3 | 9  | 52 | 14 |
| 640 | 3 | 15 | 45 | 19 |  | 240  | 2 | 31 | 18 | 59 |  |  | 640 | 3 | 11 | 53 | 59 |
| 660 | 3 | 17 | 47 | 4  |  | 260  | 2 | 33 | 20 | 44 |  |  | 660 | 3 | 13 | 55 | 44 |
| 680 | 3 | 19 | 48 | 49 |  | 280  | 2 | 35 | 22 | 29 |  |  | 680 | 3 | 15 | 57 | 29 |
| 700 | 3 | 21 | 50 | 34 |  | 300  | 2 | 37 | 24 | 14 |  |  | 700 | 3 | 17 | 59 | 14 |
| 720 | 3 | 23 | 52 | 19 |  | 320  | 2 | 39 | 25 | 59 |  |  | 720 | 3 | 20 | 0  | 59 |
| 740 | 3 | 25 | 54 | 4  |  | 340  | 2 | 41 | 27 | 44 |  |  | 740 | 3 | 22 | 2  | 44 |
| 760 | 3 | 27 | 55 | 49 |  | 360  | 2 | 43 | 29 | 29 |  |  | 760 | 3 | 24 | 4  | 29 |
|     |   |    |    |    |  | 380  | 2 | 45 | 31 | 14 |  |  |     |   |    |    |    |

60 - 365 - 05 - 13 - 40 - 4 - 54 - 40

3600  
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- 13 - 3 - 05 - 40  
- 00 - 00 - 00 - 00

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66  
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360000



— tera ex eris hic positio: id est cuiuslibet ere per annos ere Alfonso.

— bum per annos alfon. (1) Inuentic dieu Geldagert 1 annos Alfonso regis

numerus annor col  
lector Alfonso regis

numerus annor col  
lector Alfonso regis

numerus annor col  
lector Alfonso regis

|     | 4 | 3  | 2  | 1  |  |       | 4 | 3  | 2  | 1  |  |  | 4   | 3 | 2  | 1  |    |
|-----|---|----|----|----|--|-------|---|----|----|----|--|--|-----|---|----|----|----|
| 400 | 1 | 44 | 29 | 24 |  | Radix | 1 | 2  | 54 | 0  |  |  | 400 | 1 | 43 | 29 | 0  |
| 420 | 1 | 46 | 31 | 9  |  | 20    | 1 | 4  | 55 | 45 |  |  | 420 | 1 | 45 | 30 | 45 |
| 440 | 1 | 48 | 32 | 54 |  | 40    | 1 | 6  | 57 | 30 |  |  | 440 | 1 | 47 | 32 | 30 |
| 460 | 1 | 50 | 34 | 39 |  | 60    | 1 | 8  | 59 | 15 |  |  | 460 | 1 | 49 | 34 | 15 |
| 480 | 1 | 52 | 36 | 24 |  | 80    | 1 | 11 | 1  | 0  |  |  | 480 | 1 | 51 | 36 | 0  |
| 500 | 1 | 54 | 38 | 9  |  | 100   | 1 | 13 | 2  | 45 |  |  | 500 | 1 | 53 | 37 | 45 |
| 520 | 1 | 56 | 39 | 54 |  | 120   | 1 | 15 | 4  | 30 |  |  | 520 | 1 | 55 | 39 | 30 |
| 540 | 1 | 58 | 41 | 39 |  | 140   | 1 | 17 | 6  | 15 |  |  | 540 | 1 | 57 | 41 | 15 |
| 560 | 2 | 0  | 43 | 24 |  | 160   | 1 | 19 | 8  | 0  |  |  | 560 | 1 | 59 | 43 | 0  |
| 580 | 2 | 2  | 45 | 9  |  | 180   | 1 | 21 | 9  | 45 |  |  | 580 | 2 | 1  | 44 | 45 |
| 600 | 2 | 4  | 46 | 54 |  | 200   | 1 | 23 | 11 | 30 |  |  | 600 | 2 | 3  | 46 | 30 |
| 620 | 2 | 6  | 48 | 39 |  | 220   | 1 | 25 | 13 | 15 |  |  | 620 | 2 | 5  | 48 | 15 |
| 640 | 2 | 8  | 50 | 24 |  | 240   | 1 | 27 | 15 | 0  |  |  | 640 | 2 | 7  | 50 | 0  |
| 660 | 2 | 10 | 52 | 9  |  | 260   | 1 | 29 | 16 | 45 |  |  | 660 | 2 | 9  | 52 | 45 |
| 680 | 2 | 12 | 53 | 54 |  | 280   | 1 | 31 | 18 | 30 |  |  | 680 | 2 | 11 | 53 | 30 |
| 700 | 2 | 14 | 55 | 39 |  | 300   | 1 | 33 | 20 | 15 |  |  | 700 | 2 | 13 | 55 | 15 |
| 720 | 2 | 16 | 57 | 24 |  | 320   | 1 | 35 | 22 | 0  |  |  | 720 | 2 | 15 | 57 | 0  |
| 740 | 2 | 18 | 59 | 9  |  | 340   | 1 | 37 | 23 | 45 |  |  | 740 | 2 | 17 | 58 | 45 |
| 760 | 2 | 21 | 0  | 54 |  | 360   | 1 | 39 | 25 | 30 |  |  | 760 | 2 | 20 | 0  | 30 |
|     |   |    |    |    |  | 380   | 1 | 41 | 27 | 15 |  |  |     |   |    |    |    |



**Tabule residui extractionis unius ere ex alia per annos alfonfi.**

**Anni cōes expansi  
ad annos alfonfi.**

**Menses latinoꝝ ad annos  
alfonfi a Junio inchoātes.**

| Anni |   |   |    |    | Menses Nobiscum. |    |   |        |
|------|---|---|----|----|------------------|----|---|--------|
|      |   |   |    |    | Moia enue        | 2  | 1 | dies   |
| 1    |   | 0 | 6  | 15 | Junio            | 1  | 0 | 30 30  |
| 2    |   | 0 | 12 | 30 | Julio            | 2  | 1 | 1 61   |
| 3    |   | 0 | 18 | 45 | Aug.             | 3  | 1 | 32 92  |
| 4    | b | 5 | 34 | 11 | Septēb.          | 4  | 2 | 2 122  |
| 5    |   | 0 | 30 | 15 | Octob.           | 5  | 2 | 33 153 |
| 6    |   | 0 | 36 | 31 | Novēb.           | 6  | 3 | 3 183  |
| 7    |   | 0 | 42 | 45 | Decēb.           | 7  | 3 | 34 214 |
| 8    | b | 0 | 48 | 0  | Jan.             | 8  | 4 | 5 245  |
| 9    |   | 0 | 54 | 15 | Feb.             | 9  | 4 | 33 273 |
| 10   |   | 1 | 0  | 30 | Mar.             | 10 | 5 | 4 304  |
| 11   |   | 1 | 6  | 45 | April.           | 11 | 5 | 34 334 |
| 12   | b | 1 | 13 | 0  | Mai              | 12 | 6 | 5 365  |
| 13   |   | 1 | 19 | 15 | Menses Biscum    |    |   |        |
| 14   |   | 1 | 25 | 30 | Moia enue        | 1  | 2 | 1 dies |
| 15   |   | 1 | 31 | 45 | Junio            | 1  | 0 | 30 30  |
| 16   | b | 1 | 37 | 0  | Julio            | 2  | 1 | 1 61   |
| 17   |   | 1 | 43 | 15 | Aug.             | 3  | 1 | 32 92  |
| 18   |   | 1 | 49 | 30 | Septēb.          | 4  | 2 | 2 122  |
| 19   |   | 1 | 55 | 45 | Octob.           | 5  | 2 | 33 153 |
| 20   | b | 2 | 1  | 0  | Novēb.           | 6  | 3 | 3 183  |
|      |   |   |    |    | Decēb.           | 7  | 3 | 34 214 |
|      |   |   |    |    | Jan.             | 8  | 4 | 5 245  |
|      |   |   |    |    | Feb.             | 9  | 4 | 34 274 |
|      |   |   |    |    | Mar.             | 10 | 5 | 5 305  |
|      |   |   |    |    | April.           | 11 | 5 | 35 335 |
|      |   |   |    |    | Mai              | 12 | 6 | 6 366  |

Tabula puer  
tionis horarū i  
mi. & 2 diez.

Tabula ad sciendū minuta die,  
rū et eorū fractiones p minuta  
horarū & earū fractiones.

Tabula ad sciendū horas  
et horarū fractiones per  
mi. diez & eorū fractiones

| conuer<br>tio die      |    |    |    | conuer<br>tio in<br>minuta |   |    |    | conuer<br>tio in<br>minuta |   |    |    | conuer<br>tio in<br>minuta |    |    |    |
|------------------------|----|----|----|----------------------------|---|----|----|----------------------------|---|----|----|----------------------------|----|----|----|
| hō                     | di | m  | z  | m                          | m | z  | z  | m                          | m | z  | z  | m                          | bō | m  | m  |
| 1                      | 0  | 2  | 30 | 1                          | 0 | 2  | 30 | 31                         | 1 | 17 | 30 | 1                          | 0  | 24 | 31 |
| 2                      | 0  | 5  | 0  | 2                          | 0 | 5  | 0  | 32                         | 1 | 20 | 0  | 2                          | 0  | 48 | 32 |
| 3                      | 0  | 7  | 30 | 3                          | 0 | 7  | 30 | 33                         | 1 | 22 | 30 | 3                          | 1  | 12 | 33 |
| 4                      | 0  | 10 | 0  | 4                          | 0 | 10 | 0  | 34                         | 1 | 25 | 0  | 4                          | 1  | 36 | 34 |
| 5                      | 0  | 12 | 30 | 5                          | 0 | 12 | 30 | 35                         | 1 | 27 | 30 | 5                          | 2  | 0  | 35 |
| 6                      | 0  | 15 | 0  | 6                          | 0 | 15 | 0  | 36                         | 1 | 30 | 0  | 6                          | 2  | 24 | 36 |
| 7                      | 0  | 17 | 30 | 7                          | 0 | 17 | 30 | 37                         | 1 | 32 | 30 | 7                          | 2  | 48 | 37 |
| 8                      | 0  | 20 | 0  | 8                          | 0 | 20 | 0  | 38                         | 1 | 35 | 0  | 8                          | 3  | 12 | 38 |
| 9                      | 0  | 22 | 30 | 9                          | 0 | 22 | 30 | 39                         | 1 | 37 | 30 | 9                          | 3  | 36 | 39 |
| 10                     | 0  | 25 | 0  | 10                         | 0 | 25 | 0  | 40                         | 1 | 40 | 0  | 10                         | 4  | 0  | 40 |
| 11                     | 0  | 27 | 30 | 11                         | 0 | 27 | 30 | 41                         | 1 | 42 | 30 | 11                         | 4  | 24 | 41 |
| 12                     | 0  | 30 | 0  | 12                         | 0 | 30 | 0  | 42                         | 1 | 45 | 0  | 12                         | 4  | 48 | 42 |
| 13                     | 0  | 32 | 30 | 13                         | 0 | 32 | 30 | 43                         | 1 | 47 | 30 | 13                         | 5  | 12 | 43 |
| 14                     | 0  | 35 | 0  | 14                         | 0 | 35 | 0  | 44                         | 1 | 50 | 0  | 14                         | 5  | 36 | 44 |
| 15                     | 0  | 37 | 30 | 15                         | 0 | 37 | 30 | 45                         | 1 | 52 | 30 | 15                         | 6  | 0  | 45 |
| 16                     | 0  | 40 | 0  | 16                         | 0 | 40 | 0  | 46                         | 1 | 55 | 0  | 16                         | 6  | 24 | 46 |
| 17                     | 0  | 42 | 30 | 17                         | 0 | 42 | 30 | 47                         | 1 | 57 | 30 | 17                         | 6  | 48 | 47 |
| 18                     | 0  | 45 | 0  | 18                         | 0 | 45 | 0  | 48                         | 2 | 0  | 0  | 18                         | 7  | 12 | 48 |
| 19                     | 0  | 47 | 30 | 19                         | 0 | 47 | 30 | 49                         | 2 | 2  | 30 | 19                         | 7  | 36 | 49 |
| 20                     | 0  | 50 | 0  | 20                         | 0 | 50 | 0  | 50                         | 2 | 5  | 0  | 20                         | 8  | 0  | 50 |
| 21                     | 0  | 52 | 30 | 21                         | 0 | 52 | 30 | 51                         | 2 | 7  | 30 | 21                         | 8  | 24 | 51 |
| 22                     | 0  | 55 | 0  | 22                         | 0 | 55 | 0  | 52                         | 2 | 10 | 0  | 22                         | 8  | 48 | 52 |
| 23                     | 0  | 57 | 30 | 23                         | 0 | 57 | 30 | 53                         | 2 | 12 | 30 | 23                         | 9  | 12 | 53 |
| 24                     | 1  | 0  | 0  | 24                         | 1 | 0  | 0  | 54                         | 2 | 15 | 0  | 24                         | 9  | 36 | 54 |
| Esta tabla es para por |    |    |    | 25                         | 1 | 2  | 30 | 55                         | 2 | 17 | 30 | 25                         | 10 | 0  | 55 |
| minutas y seg. contra  |    |    |    | 26                         | 1 | 5  | 0  | 56                         | 2 | 20 | 0  | 26                         | 10 | 24 | 56 |
| taiz. contra de 24 ora |    |    |    | 27                         | 1 | 7  | 30 | 57                         | 2 | 22 | 30 | 27                         | 10 | 48 | 57 |
|                        |    |    |    | 28                         | 1 | 10 | 0  | 58                         | 2 | 25 | 0  | 28                         | 11 | 12 | 58 |
|                        |    |    |    | 29                         | 1 | 12 | 30 | 59                         | 2 | 27 | 30 | 29                         | 11 | 36 | 59 |
|                        |    |    |    | 30                         | 1 | 15 | 0  | 60                         | 2 | 30 | 0  | 30                         | 12 | 0  | 60 |
|                        |    |    |    | m                          | m | z  | z  | m                          | m | z  | z  | m                          | hō | m  | m  |
|                        |    |    |    | z                          | z | z  | z  | z                          | z | z  | z  | z                          | m  | z  | z  |
|                        |    |    |    | z                          | z | z  | z  | z                          | z | z  | z  | z                          | z  | z  | z  |
|                        |    |    |    | z                          | z | z  | z  | z                          | z | z  | z  | z                          | z  | z  | z  |

Esta tabla es para por  
minutas y seg. contra  
taiz. contra de 24 ora

Esta tabla es para sacar los  
conuerfion de minutos del dia  
a los de las horas, por minutos  
de horas y fracciones, u de horas.

Esta tabla es para sacar los  
minutos del dia. Los ora que  
pasan por el año, u de uno solo  
de quicquiere otra y que ora  
en las horas por. a cada minuto  
del dia. Tercer a un hora del dia  
conuerfion de 24 h. de dia.

Tabula notarum anni vel mensis cuiuscūq.

Tabella radicum notarum anni.

|                   |   |   |                     |   |
|-------------------|---|---|---------------------|---|
| Radix diluvij     | 5 | † | Radix incarnationis | 7 |
| De nabuchodonosor | 4 |   | De diocletiani      | 6 |
| De philippi       | 1 |   | De arabum           | 5 |
| De alexandri      | 2 |   | De persarum         | 3 |
| De cesaris        | 1 |   | De alfonſi regis    | 7 |

4  
3  
2

4  
3  
2

| I  | I | 2 | 3 | 4 |
|----|---|---|---|---|
| 1  | 1 | 4 | 2 | 1 |
| 2  | 2 | 1 | 4 | 2 |
| 3  | 3 | 5 | 6 | 3 |
| 4  | 4 | 2 | 1 | 4 |
| 5  | 5 | 6 | 3 | 5 |
| 6  | 6 | 3 | 5 | 6 |
| 7  | 7 | 7 | 7 | 7 |
| 8  | 1 | 4 | 2 | 1 |
| 9  | 2 | 1 | 4 | 2 |
| 10 | 3 | 5 | 6 | 3 |
| 11 | 4 | 2 | 1 | 4 |
| 12 | 5 | 6 | 3 | 5 |
| 13 | 6 | 3 | 5 | 6 |
| 14 | 7 | 7 | 7 | 7 |
| 15 | 1 | 4 | 2 | 1 |
| 16 | 2 | 1 | 4 | 2 |
| 17 | 3 | 5 | 6 | 3 |
| 18 | 4 | 2 | 1 | 4 |
| 19 | 5 | 6 | 3 | 5 |
| 20 | 6 | 3 | 5 | 6 |
| 21 | 7 | 7 | 7 | 7 |
| 22 | 1 | 4 | 2 | 1 |
| 23 | 2 | 1 | 4 | 2 |
| 24 | 3 | 5 | 6 | 3 |
| 25 | 4 | 2 | 1 | 4 |
| 26 | 5 | 6 | 3 | 5 |
| 27 | 6 | 3 | 5 | 6 |
| 28 | 7 | 7 | 7 | 7 |
| 29 | 1 | 4 | 2 | 1 |
| 30 | 2 | 1 | 4 | 2 |

| I  | I | 2 | 3 | 4 |
|----|---|---|---|---|
| 31 | 3 | 5 | 6 | 3 |
| 32 | 4 | 2 | 1 | 4 |
| 33 | 5 | 6 | 3 | 5 |
| 34 | 6 | 3 | 5 | 6 |
| 35 | 7 | 7 | 7 | 7 |
| 36 | 1 | 4 | 2 | 1 |
| 37 | 2 | 1 | 4 | 2 |
| 38 | 3 | 5 | 6 | 3 |
| 39 | 4 | 2 | 1 | 4 |
| 40 | 5 | 6 | 3 | 5 |
| 41 | 6 | 3 | 5 | 6 |
| 42 | 7 | 7 | 7 | 7 |
| 43 | 1 | 4 | 2 | 1 |
| 44 | 2 | 1 | 4 | 2 |
| 45 | 3 | 5 | 6 | 3 |
| 46 | 4 | 2 | 1 | 4 |
| 47 | 5 | 6 | 3 | 5 |
| 48 | 6 | 3 | 5 | 6 |
| 49 | 7 | 7 | 7 | 7 |
| 50 | 1 | 4 | 2 | 1 |
| 51 | 2 | 1 | 4 | 2 |
| 52 | 3 | 5 | 6 | 3 |
| 53 | 4 | 2 | 1 | 4 |
| 54 | 5 | 6 | 3 | 5 |
| 55 | 6 | 3 | 5 | 6 |
| 56 | 7 | 7 | 7 | 7 |
| 57 | 1 | 4 | 2 | 1 |
| 58 | 2 | 1 | 4 | 2 |
| 59 | 3 | 5 | 6 | 3 |
| 60 | 4 | 2 | 1 | 4 |

**Tabula radicu motu omniu hic positoy ad eras omis hic positas.**

**C**Radices Motus Augiu z Stellaru fixaru ad eras positas nulle ponuf: cu vne no sint: z sine ipsis ex eaz tabula motus vt suo loco patet accipitur.

**C**Radices motus octauae sphere ad eras hic positas.

**C**Radices motus Solis Veneris z Mercurij ad eras hic positas.

| *      5   6   7   8   9   10                                                     |   |    |    |    |   |   | ☉ ♀ ♀      5   6   7   8   9   10            |   |    |    |    |    |    |
|-----------------------------------------------------------------------------------|---|----|----|----|---|---|----------------------------------------------|---|----|----|----|----|----|
| <b>C</b> Radix diluuij                                                            | 3 | 19 | 41 | 0  | 0 | 0 | <b>C</b> Radix diluuij                       | 5 | 1  | 25 | 32 | 58 | 49 |
| Eius motus est                                                                    | 0 | 2  | 57 | 12 | 0 | 0 | De nabucho.                                  | 5 | 27 | 48 | 42 | 21 | 7  |
| De nabuchodono.                                                                   | 5 | 20 | 48 | 0  | 0 | 0 | De philippi                                  | 3 | 46 | 26 | 54 | 3  | 15 |
| Eius motus est                                                                    | 0 | 5  | 40 | 27 | 0 | 0 | De alexan. magni.                            | 3 | 5  | 8  | 21 | 42 | 23 |
| De philippi                                                                       | 5 | 42 | 35 | 27 | 0 | 0 | De cesaris                                   | 4 | 37 | 34 | 41 | 16 | 59 |
| Eius motus est                                                                    | 0 | 2  | 40 | 55 | 0 | 0 | + De incarnationis                           | 4 | 38 | 21 | 0  | 30 | 28 |
| De alexan. magni                                                                  | 5 | 43 | 12 | 7  | 0 | 0 | De diocletiani                               | 2 | 37 | 13 | 51 | 8  | 20 |
| Eius motus est                                                                    | 0 | 2  | 35 | 29 | 0 | 0 | De albigeri                                  | 1 | 54 | 52 | 2  | 0  | 50 |
| De cesaris                                                                        | 5 | 57 | 15 | 18 | 0 | 0 | De iesdagert                                 | 1 | 26 | 50 | 59 | 11 | 0  |
| Eius motus est                                                                    | 0 | 0  | 25 | 45 | 0 | 0 | De alfonsi                                   | 1 | 16 | 37 | 12 | 38 | 42 |
| + De incarnationis                                                                | 5 | 59 | 12 | 34 | 0 | 0 | <b>C</b> Rad mor lune ad eras hic positas.   |   |    |    |    |    |    |
| Eius motus est                                                                    | 0 | 0  | 7  | 25 | 0 | 0 | ☾      5   6   7   8   9   10                |   |    |    |    |    |    |
| De diocletiani                                                                    | 0 | 13 | 47 | 51 | 0 | 0 | <b>C</b> Radix diluuij                       | 4 | 47 | 49 | 43 | 52 | 3  |
| Eius motus est                                                                    | 0 | 2  | 8  | 15 | 0 | 0 | De nabuchodo.                                | 0 | 26 | 46 | 43 | 14 | 51 |
| De albigeri                                                                       | 0 | 31 | 10 | 26 | 0 | 0 | De philippi                                  | 2 | 45 | 37 | 15 | 21 | 1  |
| Eius motus est                                                                    | 0 | 4  | 38 | 42 | 0 | 0 | De alexan. magni                             | 2 | 4  | 21 | 1  | 10 | 37 |
| De iesdagert                                                                      | 0 | 31 | 41 | 3  | 0 | 0 | De cesarij                                   | 1 | 54 | 25 | 20 | 23 | 57 |
| Eius motus est                                                                    | 0 | 4  | 42 | 45 | 0 | 0 | + De incarnationis                           | 2 | 1  | 46 | 50 | 16 | 40 |
| De Alfonsi                                                                        | 1 | 3  | 34 | 4  | 0 | 0 | De diocletiani                               | 2 | 36 | 19 | 44 | 2  | 56 |
| Eius motus est                                                                    | 0 | 8  | 4  | 1  | 0 | 0 | De albigeri                                  | 2 | 2  | 1  | 16 | 23 | 53 |
|                                                                                   |   |    |    |    |   |   | De iesdagert                                 | 5 | 53 | 16 | 32 | 5  | 2  |
|                                                                                   |   |    |    |    |   |   | De alfonsi                                   | 5 | 36 | 5  | 21 | 11 | 45 |
| <b>C</b> Radices augi solis veneris ad eras hic positas sine motu octauae sphere. |   |    |    |    |   |   | <b>C</b> Rad argumti lue ad eras hic positas |   |    |    |    |    |    |
| ☉ ♀      5   6   7   8   9   10                                                   |   |    |    |    |   |   | ☾      5   6   7   8   9   10                |   |    |    |    |    |    |
| <b>C</b> Radix diluuij                                                            | 0 | 48 | 38 | 2  | 0 | 0 | <b>C</b> Radix diluuij                       | 3 | 42 | 45 | 4  | 37 | 44 |
| De nabuchodo.                                                                     | 1 | 5  | 56 | 11 | 0 | 0 | De nabuchodo.                                | 4 | 13 | 3  | 49 | 59 | 42 |
| De philippi                                                                       | 1 | 9  | 1  | 57 | 0 | 0 | De philippi                                  | 1 | 10 | 40 | 36 | 45 | 29 |
| De alexan. magni                                                                  | 1 | 9  | 8  | 11 | 0 | 0 | De alexan. magni                             | 4 | 25 | 47 | 30 | 18 | 24 |
| De cesaris                                                                        | 1 | 11 | 8  | 38 | 0 | 0 | De cesaris                                   | 4 | 56 | 57 | 51 | 30 | 2  |
| + De incarnationis                                                                | 1 | 11 | 25 | 23 | 0 | 0 | + De incarnationis                           | 3 | 19 | 0  | 14 | 31 | 17 |
| De diocletiani                                                                    | 1 | 13 | 30 | 25 | 0 | 0 | De diocletiani                               | 3 | 30 | 11 | 51 | 42 | 40 |
| De albigeri                                                                       | 1 | 15 | 59 | 21 | 0 | 0 | De albigeri                                  | 1 | 47 | 21 | 27 | 42 | 28 |
| De iesdagert                                                                      | 1 | 16 | 3  | 43 | 0 | 0 | De iesdagert                                 | 4 | 54 | 52 | 33 | 3  | 41 |
| De alfonsi                                                                        | 1 | 20 | 37 | 0  | 0 | 0 | De alfonsi                                   | 4 | 10 | 51 | 40 | 9  | 0  |

**Radices capitis draconis ad  
eras hic positas**

| ♂                  | ♄ | ♃  | ♂  | ♂  | ♂  | ♂ |
|--------------------|---|----|----|----|----|---|
| Radix diluuij      | 3 | 36 | 55 | 21 | 17 | 0 |
| Re nabuchodo.      | 0 | 46 | 44 | 50 | 5  | 0 |
| Re philippi        | 5 | 21 | 57 | 5  | 17 | 0 |
| Re alex. magni     | 3 | 11 | 49 | 33 | 20 | 0 |
| Re cesaris         | 1 | 16 | 55 | 34 | 5  | 0 |
| + Re incarnationis | 1 | 31 | 55 | 52 | 41 | 0 |
| Re diocletiani     | 2 | 58 | 18 | 38 | 23 | 0 |
| Re albigera        | 3 | 53 | 20 | 35 | 51 | 0 |
| Re iesdagert       | 1 | 5  | 14 | 58 | 21 | 0 |
| Re alfonfi regis   | 2 | 56 | 12 | 46 | 11 | 0 |

**Radices argumenti mercury  
ad eras hic positas.**

| ♀                  | ♄ | ♃  | ♂  | ♂  | ♂  | ♂  |
|--------------------|---|----|----|----|----|----|
| Radix diluuij      | 5 | 58 | 59 | 31 | 14 | 0  |
| Re nabuchodo.      | 0 | 20 | 29 | 14 | 50 | 0  |
| Re philippi        | 3 | 33 | 44 | 44 | 59 | 0  |
| Re alex. magni     | 0 | 19 | 56 | 26 | 54 | 0  |
| Re cesaris         | 2 | 4  | 22 | 14 | 6  | 0  |
| + Re incarnationis | 0 | 45 | 23 | 58 | 0  | 0  |
| Re diocletiani     | 1 | 18 | 24 | 17 | 42 | 0  |
| Re albigera        | 1 | 13 | 26 | 14 | 31 | 0  |
| Re iesdagert       | 1 | 2  | 51 | 7  | 36 | 17 |
| Re alfonfi regis   | 3 | 33 | 48 | 38 | 56 | 0  |

**Radices argumēti veneris ad  
eras hic positas.**

| ♀                  | ♄ | ♃  | ♂  | ♂  | ♂  | ♂ |
|--------------------|---|----|----|----|----|---|
| Radix diluuij      | 0 | 42 | 18 | 39 | 31 | 0 |
| Re nabuchodo.      | 1 | 12 | 30 | 16 | 56 | 0 |
| Re philippi        | 1 | 24 | 28 | 50 | 19 | 0 |
| Re alex. magni     | 4 | 0  | 46 | 31 | 42 | 0 |
| Re cesaris         | 3 | 32 | 7  | 44 | 6  | 0 |
| + Re incarnationis | 2 | 9  | 22 | 2  | 36 | 0 |
| Re diocletiani     | 4 | 41 | 5  | 49 | 46 | 0 |
| Re albigera        | 0 | 47 | 41 | 17 | 16 | 0 |
| Re iesdagert       | 2 | 1  | 56 | 28 | 13 | 0 |
| Re alfonfi regis   | 0 | 45 | 45 | 55 | 19 | 0 |

**Radices augis martis ad eras h  
positas sine motu octauæ sphere.**

| ♂                  | ♄ | ♃  | ♂  | ♂  | ♂  | ♂ |
|--------------------|---|----|----|----|----|---|
| Radix diluuij      | 1 | 32 | 24 | 51 | 41 | 0 |
| Re nabuchodo.      | 1 | 49 | 42 | 59 | 41 | 0 |
| Re philippi        | 1 | 52 | 49 | 46 | 23 | 0 |
| Re alex. magni     | 1 | 52 | 55 | 0  | 45 | 1 |
| Re cesaris         | 1 | 54 | 55 | 27 | 57 | 0 |
| + Re incarnationis | 1 | 55 | 12 | 13 | 4  | 0 |
| Re diocletiani     | 1 | 57 | 17 | 15 | 31 | 0 |
| Re albigera        | 1 | 59 | 46 | 11 | 58 | 0 |
| Re iesdagert       | 1 | 59 | 50 | 34 | 24 | 0 |
| Re alfonfi regis   | 2 | 4  | 23 | 51 | 41 | 0 |

**Radices augi mercurij ad eras h po  
positas sine motu octauæ sphere.**

| ♀                  | ♄ | ♃  | ♂  | ♂  | ♂  | ♂ |
|--------------------|---|----|----|----|----|---|
| Radix diluuij      | 2 | 47 | 52 | 11 | 41 | 0 |
| Re nabuchodo.      | 3 | 5  | 10 | 19 | 41 | 0 |
| Re philippi        | 3 | 8  | 17 | 6  | 23 | 0 |
| Re alex. magni     | 3 | 8  | 22 | 20 | 45 | 0 |
| Re cesaris         | 3 | 10 | 22 | 47 | 57 | 0 |
| + Re incarnationis | 3 | 10 | 39 | 33 | 4  | 0 |
| Re diocletiani     | 3 | 12 | 44 | 35 | 31 | 0 |
| Re albigera        | 3 | 15 | 23 | 31 | 58 | 0 |
| Re iesdagert       | 3 | 15 | 17 | 54 | 24 | 0 |
| Re alfonfi regis   | 3 | 19 | 51 | 11 | 41 | 0 |

**Radices motus martis ad eras  
hic positas.**

| ♂                  | ♄ | ♃  | ♂  | ♂  | ♂  | ♂ |
|--------------------|---|----|----|----|----|---|
| Radix diluuij      | 4 | 53 | 58 | 20 | 22 | 0 |
| Re nabuchodo.      | 0 | 3  | 2  | 11 | 59 | 0 |
| Re philippi        | 1 | 47 | 47 | 9  | 47 | 0 |
| Re alex. magni     | 3 | 42 | 45 | 53 | 25 | 0 |
| Re cesaris         | 5 | 27 | 21 | 44 | 31 | 0 |
| + Re incarnationis | 0 | 41 | 25 | 29 | 43 | 0 |
| Re diocletiani     | 5 | 38 | 0  | 16 | 26 | 0 |
| Re albigera        | 3 | 32 | 42 | 3  | 32 | 0 |
| Re iesdagert       | 5 | 11 | 55 | 23 | 5  | 0 |
| Re alfonfi regis   | 3 | 1  | 41 | 36 | 19 | 0 |

Radices augis Iouis ad eras hic  
positas sine motu octane sphere

| 7                  | 6 | 5  | 4  | 3  | 2  | 1 |
|--------------------|---|----|----|----|----|---|
| Radix diluuij      | 2 | 10 | 49 | 38 | 41 | 0 |
| Re nabuchodo.      | 2 | 28 | 7  | 46 | 41 | 0 |
| Re philippi        | 2 | 31 | 14 | 33 | 23 | 0 |
| Re alex. magni     | 2 | 31 | 19 | 47 | 45 | 0 |
| Re cesaris         | 2 | 33 | 20 | 14 | 57 | 0 |
| + Re incarnationis | 2 | 33 | 37 | 0  | 4  | 0 |
| Re diocletiani     | 2 | 35 | 42 | 2  | 31 | 0 |
| Re albigera        | 2 | 38 | 10 | 58 | 58 | 0 |
| Re iefdagert       | 2 | 38 | 19 | 21 | 24 | 0 |
| Re alfonfi regis   | 2 | 42 | 48 | 38 | 41 | 0 |

Radices motus Saturni ad eras  
hic positas.

| h                  | 6 | 5  | 4  | 3  | 2  | 1 |
|--------------------|---|----|----|----|----|---|
| Radix diluuij      | 4 | 43 | 39 | 45 | 43 | 0 |
| Re nabuchodo.      | 4 | 56 | 38 | 55 | 54 | 0 |
| Re philippi        | 1 | 20 | 36 | 12 | 18 | 0 |
| Re alex. magni     | 3 | 46 | 0  | 45 | 52 | 0 |
| Re cesaris         | 5 | 29 | 9  | 15 | 23 | 0 |
| + Re incarnationis | 1 | 14 | 5  | 20 | 12 | 0 |
| Re diocletiani     | 5 | 4  | 33 | 5  | 38 | 0 |
| Re albigera        | 1 | 58 | 21 | 0  | 3  | 0 |
| Re iefdagert       | 3 | 59 | 44 | 31 | 50 | 0 |
| Re alfonfi regis   | 4 | 24 | 44 | 33 | 26 | 0 |

Radices motus Iouis ad eras  
hic positas.

| 7                  | 6 | 5  | 4  | 3  | 2  | 1 |
|--------------------|---|----|----|----|----|---|
| Radix diluuij      | 5 | 21 | 2  | 3  | 59 | 0 |
| Re nabuchodo.      | 3 | 4  | 42 | 54 | 59 | 0 |
| Re philippi        | 1 | 29 | 27 | 50 | 59 | 0 |
| Re alex. magni     | 1 | 30 | 19 | 7  | 57 | 0 |
| Re cesaris         | 1 | 46 | 49 | 6  | 9  | 0 |
| + Re incarnationis | 3 | 0  | 37 | 20 | 44 | 0 |
| Re diocletiani     | 2 | 33 | 5  | 16 | 49 | 0 |
| Re albigera        | 5 | 31 | 43 | 9  | 52 | 0 |
| Re iefdagert       | 4 | 32 | 58 | 19 | 10 | 0 |
| Re alfonfi regis   | 0 | 16 | 16 | 15 | 14 | 0 |

Radices elongationis Lune a Sole  
ad eras hic positas.

| h                  | 6 | 5  | 4  | 3  | 2  | 1  |
|--------------------|---|----|----|----|----|----|
| Radix diluuij      | 5 | 46 | 26 | 10 | 53 | 14 |
| Re nabuchodo.      | 0 | 58 | 58 | 0  | 53 | 44 |
| Re philippi        | 4 | 59 | 10 | 21 | 17 | 46 |
| Re alex. magni     | 4 | 59 | 12 | 39 | 28 | 14 |
| Re cesaris         | 3 | 16 | 50 | 39 | 6  | 58 |
| + Re incarnationis | 3 | 24 | 25 | 49 | 46 | 12 |
| Re diocletiani     | 5 | 59 | 5  | 52 | 54 | 36 |
| Re albigera        | 0 | 7  | 9  | 14 | 23 | 3  |
| Re iefdagert       | 4 | 26 | 25 | 32 | 54 | 2  |
| Re alfonfi regis   | 4 | 19 | 28 | 8  | 33 | 3  |

Radices augi Saturni ad eras hic  
positas sine motu octane sphere.

| h                  | 6 | 5  | 4  | 3  | 2  | 1 |
|--------------------|---|----|----|----|----|---|
| Radix diluuij      | 3 | 30 | 36 | 20 | 41 | 0 |
| Re nabuchodo.      | 3 | 47 | 54 | 28 | 41 | 0 |
| Re philippi        | 3 | 51 | 1  | 15 | 13 | 0 |
| Re alex. magni     | 3 | 51 | 6  | 29 | 45 | 0 |
| Re cesaris         | 3 | 53 | 6  | 56 | 57 | 0 |
| + Re incarnationis | 3 | 53 | 23 | 42 | 4  | 0 |
| Re diocletiani     | 3 | 55 | 28 | 44 | 31 | 0 |
| Re albigera        | 3 | 57 | 57 | 40 | 58 | 0 |
| Re iefdagert       | 3 | 58 | 2  | 3  | 24 | 0 |
| Re alfonfi regis   | 4 | 1  | 35 | 20 | 41 | 0 |

Radices Argumeti latitudinis  
Lune ad eras hic positas.

| h                  | 6 | 5  | 4  | 3  | 2  | 1  |
|--------------------|---|----|----|----|----|----|
| Radix diluuij      | 2 | 24 | 31 | 4  | 40 | 28 |
| Re nabuchodo.      | 1 | 13 | 17 | 42 | 0  | 42 |
| Re philippi        | 2 | 7  | 20 | 20 | 19 | 16 |
| Re alex. magni     | 5 | 15 | 56 | 34 | 1  | 13 |
| Re cesaris         | 3 | 11 | 6  | 54 | 9  | 18 |
| + Re incarnationis | 3 | 34 | 28 | 42 | 38 | 29 |
| Re diocletiani     | 5 | 34 | 24 | 22 | 6  | 37 |
| Re albigera        | 5 | 55 | 7  | 51 | 55 | 18 |
| Re iefdagert       | 0 | 58 | 17 | 30 | 6  | 10 |
| Re alfonfi         | 2 | 32 | 4  | 7  | 3  | 1  |

Tabula Motus medij Bugium et Stellarum fixarum.

\*

| 4  | 3 | 2 | 1 | 0 | 4  | 3  | 2  | 1  | 0  |
|----|---|---|---|---|----|----|----|----|----|
| 3  | 2 | 1 | 0 | 4 | 3  | 2  | 1  | 0  | 4  |
| 2  | 1 | 0 | 4 | 3 | 2  | 1  | 0  | 4  | 3  |
| 1  | 0 | 4 | 3 | 2 | 1  | 0  | 4  | 3  | 2  |
| 0  | 4 | 3 | 2 | 1 | 0  | 4  | 3  | 2  | 1  |
| 1  | 0 | 0 | 0 | 0 | 4  | 20 | 41 | 17 | 12 |
| 2  | 0 | 0 | 0 | 0 | 8  | 41 | 22 | 34 | 24 |
| 3  | 0 | 0 | 0 | 0 | 13 | 2  | 3  | 51 | 37 |
| 4  | 0 | 0 | 0 | 0 | 17 | 22 | 45 | 8  | 49 |
| 5  | 0 | 0 | 0 | 0 | 21 | 43 | 26 | 26 | 2  |
| 6  | 0 | 0 | 0 | 0 | 26 | 4  | 7  | 43 | 14 |
| 7  | 0 | 0 | 0 | 0 | 30 | 24 | 49 | 0  | 27 |
| 8  | 0 | 0 | 0 | 0 | 34 | 45 | 30 | 17 | 39 |
| 9  | 0 | 0 | 0 | 0 | 39 | 6  | 11 | 34 | 52 |
| 10 | 0 | 0 | 0 | 0 | 43 | 26 | 52 | 52 | 4  |
| 11 | 0 | 0 | 0 | 0 | 47 | 47 | 34 | 9  | 16 |
| 12 | 0 | 0 | 0 | 0 | 52 | 8  | 15 | 26 | 29 |
| 13 | 0 | 0 | 0 | 0 | 56 | 28 | 56 | 43 | 41 |
| 14 | 0 | 0 | 0 | 1 | 0  | 49 | 38 | 0  | 54 |
| 15 | 0 | 0 | 0 | 1 | 5  | 10 | 19 | 18 | 6  |
| 16 | 0 | 0 | 0 | 1 | 9  | 31 | 0  | 35 | 19 |
| 17 | 0 | 0 | 0 | 1 | 13 | 51 | 41 | 52 | 31 |
| 18 | 0 | 0 | 0 | 1 | 18 | 12 | 23 | 9  | 44 |
| 19 | 0 | 0 | 0 | 1 | 22 | 33 | 4  | 26 | 56 |
| 20 | 0 | 0 | 0 | 1 | 26 | 53 | 45 | 44 | 9  |
| 21 | 0 | 0 | 0 | 1 | 31 | 14 | 27 | 1  | 21 |
| 22 | 0 | 0 | 0 | 1 | 35 | 35 | 8  | 18 | 33 |
| 23 | 0 | 0 | 0 | 1 | 39 | 55 | 49 | 35 | 46 |
| 24 | 0 | 0 | 0 | 1 | 44 | 16 | 30 | 52 | 58 |
| 25 | 0 | 0 | 0 | 1 | 48 | 37 | 11 | 10 | 11 |
| 26 | 0 | 0 | 0 | 1 | 52 | 57 | 53 | 27 | 23 |
| 27 | 0 | 0 | 0 | 1 | 57 | 18 | 34 | 44 | 36 |
| 28 | 0 | 0 | 0 | 2 | 1  | 39 | 16 | 1  | 48 |
| 29 | 0 | 0 | 0 | 2 | 5  | 59 | 57 | 19 | 1  |
| 30 | 0 | 0 | 0 | 2 | 10 | 20 | 38 | 36 | 13 |
| m  | g | m | z | 3 |    |    |    |    |    |
| z  | m | z | 3 |   |    |    |    |    |    |
| 3  | z | 3 |   |   |    |    |    |    |    |
| 4  | 3 |   |   |   |    |    |    |    |    |

Tabula medij motus accessus et recessus octane sphere.

| 4   | 1   | 2   | 3   | 4   | 4   | 1   | 2   | 3   | 4   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5   | 6   | 7   | 8   | 9   | 5   | 6   | 7   | 8   | 9   |
| 10  | 11  | 12  | 13  | 14  | 10  | 11  | 12  | 13  | 14  |
| 15  | 16  | 17  | 18  | 19  | 15  | 16  | 17  | 18  | 19  |
| 20  | 21  | 22  | 23  | 24  | 20  | 21  | 22  | 23  | 24  |
| 25  | 26  | 27  | 28  | 29  | 25  | 26  | 27  | 28  | 29  |
| 30  | 31  | 32  | 33  | 34  | 30  | 31  | 32  | 33  | 34  |
| 35  | 36  | 37  | 38  | 39  | 35  | 36  | 37  | 38  | 39  |
| 40  | 41  | 42  | 43  | 44  | 40  | 41  | 42  | 43  | 44  |
| 45  | 46  | 47  | 48  | 49  | 45  | 46  | 47  | 48  | 49  |
| 50  | 51  | 52  | 53  | 54  | 50  | 51  | 52  | 53  | 54  |
| 55  | 56  | 57  | 58  | 59  | 55  | 56  | 57  | 58  | 59  |
| 60  | 61  | 62  | 63  | 64  | 60  | 61  | 62  | 63  | 64  |
| 65  | 66  | 67  | 68  | 69  | 65  | 66  | 67  | 68  | 69  |
| 70  | 71  | 72  | 73  | 74  | 70  | 71  | 72  | 73  | 74  |
| 75  | 76  | 77  | 78  | 79  | 75  | 76  | 77  | 78  | 79  |
| 80  | 81  | 82  | 83  | 84  | 80  | 81  | 82  | 83  | 84  |
| 85  | 86  | 87  | 88  | 89  | 85  | 86  | 87  | 88  | 89  |
| 90  | 91  | 92  | 93  | 94  | 90  | 91  | 92  | 93  | 94  |
| 95  | 96  | 97  | 98  | 99  | 95  | 96  | 97  | 98  | 99  |
| 100 | 101 | 102 | 103 | 104 | 100 | 101 | 102 | 103 | 104 |
| 105 | 106 | 107 | 108 | 109 | 105 | 106 | 107 | 108 | 109 |
| 110 | 111 | 112 | 113 | 114 | 110 | 111 | 112 | 113 | 114 |
| 115 | 116 | 117 | 118 | 119 | 115 | 116 | 117 | 118 | 119 |
| 120 | 121 | 122 | 123 | 124 | 120 | 121 | 122 | 123 | 124 |
| 125 | 126 | 127 | 128 | 129 | 125 | 126 | 127 | 128 | 129 |
| 130 | 131 | 132 | 133 | 134 | 130 | 131 | 132 | 133 | 134 |
| 135 | 136 | 137 | 138 | 139 | 135 | 136 | 137 | 138 | 139 |
| 140 | 141 | 142 | 143 | 144 | 140 | 141 | 142 | 143 | 144 |
| 145 | 146 | 147 | 148 | 149 | 145 | 146 | 147 | 148 | 149 |
| 150 | 151 | 152 | 153 | 154 | 150 | 151 | 152 | 153 | 154 |
| 155 | 156 | 157 | 158 | 159 | 155 | 156 | 157 | 158 | 159 |
| 160 | 161 | 162 | 163 | 164 | 160 | 161 | 162 | 163 | 164 |
| 165 | 166 | 167 | 168 | 169 | 165 | 166 | 167 | 168 | 169 |
| 170 | 171 | 172 | 173 | 174 | 170 | 171 | 172 | 173 | 174 |
| 175 | 176 | 177 | 178 | 179 | 175 | 176 | 177 | 178 | 179 |
| 180 | 181 | 182 | 183 | 184 | 180 | 181 | 182 | 183 | 184 |
| 185 | 186 | 187 | 188 | 189 | 185 | 186 | 187 | 188 | 189 |
| 190 | 191 | 192 | 193 | 194 | 190 | 191 | 192 | 193 | 194 |
| 195 | 196 | 197 | 198 | 199 | 195 | 196 | 197 | 198 | 199 |
| 200 | 201 | 202 | 203 | 204 | 200 | 201 | 202 | 203 | 204 |
| 205 | 206 | 207 | 208 | 209 | 205 | 206 | 207 | 208 | 209 |
| 210 | 211 | 212 | 213 | 214 | 210 | 211 | 212 | 213 | 214 |
| 215 | 216 | 217 | 218 | 219 | 215 | 216 | 217 | 218 | 219 |
| 220 | 221 | 222 | 223 | 224 | 220 | 221 | 222 | 223 | 224 |
| 225 | 226 | 227 | 228 | 229 | 225 | 226 | 227 | 228 | 229 |
| 230 | 231 | 232 | 233 | 234 | 230 | 231 | 232 | 233 | 234 |
| 235 | 236 | 237 | 238 | 239 | 235 | 236 | 237 | 238 | 239 |
| 240 | 241 | 242 | 243 | 244 | 240 | 241 | 242 | 243 | 244 |
| 245 | 246 | 247 | 248 | 249 | 245 | 246 | 247 | 248 | 249 |
| 250 | 251 | 252 | 253 | 254 | 250 | 251 | 252 | 253 | 254 |
| 255 | 256 | 257 | 258 | 259 | 255 | 256 | 257 | 258 | 259 |
| 260 | 261 | 262 | 263 | 264 | 260 | 261 | 262 | 263 | 264 |
| 265 | 266 | 267 | 268 | 269 | 265 | 266 | 267 | 268 | 269 |
| 270 | 271 | 272 | 273 | 274 | 270 | 271 | 272 | 273 | 274 |
| 275 | 276 | 277 | 278 | 279 | 275 | 276 | 277 | 278 | 279 |
| 280 | 281 | 282 | 283 | 284 | 280 | 281 | 282 | 283 | 284 |
| 285 | 286 | 287 | 288 | 289 | 285 | 286 | 287 | 288 | 289 |
| 290 | 291 | 292 | 293 | 294 | 290 | 291 | 292 | 293 | 294 |
| 295 | 296 | 297 | 298 | 299 | 295 | 296 | 297 | 298 | 299 |
| 300 | 301 | 302 | 303 | 304 | 300 | 301 | 302 | 303 | 304 |
| 305 | 306 | 307 | 308 | 309 | 305 | 306 | 307 | 308 | 309 |
| 310 | 311 | 312 | 313 | 314 | 310 | 311 | 312 | 313 | 314 |
| 315 | 316 | 317 | 318 | 319 | 315 | 316 | 317 | 318 | 319 |
| 320 | 321 | 322 | 323 | 324 | 320 | 321 | 322 | 323 | 324 |
| 325 | 326 | 327 | 328 | 329 | 325 | 326 | 327 | 328 | 329 |
| 330 | 331 | 332 | 333 | 334 | 330 | 331 | 332 | 333 | 334 |
| 335 | 336 | 337 | 338 | 339 | 335 | 336 | 337 | 338 | 339 |
| 340 | 341 | 342 | 343 | 344 | 340 | 341 | 342 | 343 | 344 |
| 345 | 346 | 347 | 348 | 349 | 345 | 346 | 347 | 348 | 349 |
| 350 | 351 | 352 | 353 | 354 | 350 | 351 | 352 | 353 | 354 |
| 355 | 356 | 357 | 358 | 359 | 355 | 356 | 357 | 358 | 359 |
| 360 | 361 | 362 | 363 | 364 | 360 | 361 | 362 | 363 | 364 |
| 365 | 366 | 367 | 368 | 369 | 365 | 366 | 367 | 368 | 369 |
| 370 | 371 | 372 | 373 | 374 | 370 | 371 | 372 | 373 | 374 |
| 375 | 376 | 377 | 378 | 379 | 375 | 376 | 377 | 378 | 379 |
| 380 | 381 | 382 | 383 | 384 | 380 | 381 | 382 | 383 | 384 |
| 385 | 386 | 387 | 388 | 389 | 385 | 386 | 387 | 388 | 389 |
| 390 | 391 | 392 | 393 | 394 | 390 | 391 | 392 | 393 | 394 |
| 395 | 396 | 397 | 398 | 399 | 395 | 396 | 397 | 398 | 399 |
| 400 | 401 | 402 | 403 | 404 | 400 | 401 | 402 | 403 | 404 |
| 405 | 406 | 407 | 408 | 409 | 405 | 406 | 407 | 408 | 409 |
| 410 | 411 | 412 | 413 | 414 | 410 | 411 | 412 | 413 | 414 |
| 415 | 416 | 417 | 418 | 419 | 415 | 416 | 417 | 418 | 419 |
| 420 | 421 | 422 | 423 | 424 | 420 | 421 | 422 | 423 | 424 |
| 425 | 426 | 427 | 428 | 429 | 425 | 426 | 427 | 428 | 429 |
| 430 | 431 | 432 | 433 | 434 | 430 | 431 | 432 | 433 | 434 |
| 435 | 436 | 437 | 438 | 439 | 435 | 436 | 437 | 438 | 439 |
| 440 | 441 | 442 | 443 | 444 | 440 | 441 | 442 | 443 | 444 |
| 445 | 446 | 447 | 448 | 449 | 445 | 446 | 447 | 448 | 449 |
| 450 | 451 | 452 | 453 | 454 | 450 | 451 | 452 | 453 | 454 |
| 455 | 456 | 457 | 458 | 459 | 455 | 456 | 457 | 458 | 459 |
| 460 | 461 | 462 | 463 | 464 | 460 | 461 | 462 | 463 | 464 |
| 465 | 466 | 467 | 468 | 469 | 465 | 466 | 467 | 468 | 469 |
| 470 | 471 | 472 | 473 | 474 | 470 | 471 | 472 | 473 | 474 |
| 475 | 476 | 477 | 478 | 479 | 475 | 476 | 477 | 478 | 479 |
| 480 | 481 | 482 | 483 | 484 | 480 | 481 | 482 | 483 | 484 |
| 485 | 486 | 487 | 488 | 489 | 485 | 486 | 487 | 488 | 489 |
| 490 | 491 | 492 | 493 | 494 | 490 | 491 | 492 | 493 | 494 |
| 495 | 496 | 497 | 498 | 499 | 495 | 496 | 497 | 498 | 499 |
| 500 | 501 | 502 | 503 | 504 | 500 | 501 | 502 | 503 | 504 |
| 505 | 506 | 507 | 508 | 509 | 505 | 506 | 507 | 508 | 509 |
| 510 | 511 | 512 | 513 | 514 | 510 | 511 | 512 | 513 | 514 |
| 515 | 516 | 517 | 518 | 519 | 515 | 516 | 517 | 518 | 519 |
| 520 | 521 | 522 | 523 | 524 | 520 | 521 | 522 | 523 | 524 |
| 525 | 526 | 527 | 528 | 529 | 525 | 526 | 527 | 528 | 529 |
| 530 | 531 | 532 | 533 | 534 | 530 | 531 | 532 | 533 | 534 |
| 535 | 536 | 537 | 538 | 539 | 535 | 536 | 537 | 538 | 539 |
| 540 | 541 | 542 | 543 | 544 | 540 | 541 | 542 | 543 | 544 |
| 545 | 546 | 547 | 548 | 549 | 545 | 546 | 547 | 548 | 549 |
| 550 | 551 | 552 | 553 | 554 | 550 | 551 | 552 | 553 | 554 |
| 555 | 556 | 557 | 558 | 559 | 555 | 556 | 557 | 558 | 559 |
| 560 | 561 | 562 | 563 | 564 | 560 | 561 | 562 | 563 | 564 |
| 565 | 566 | 567 | 568 | 569 | 565 | 566 | 567 | 568 | 569 |
| 570 | 571 | 572 | 573 | 574 | 570 | 571 | 572 | 573 | 574 |
| 575 | 576 | 577 | 578 | 579 | 575 | 576 | 577 | 578 | 579 |
| 580 | 581 | 582 | 583 | 584 | 580 | 581 | 582 | 583 | 584 |
| 585 | 586 | 587 | 588 | 589 | 585 | 586 | 587 | 588 | 589 |
| 590 | 591 | 592 | 593 | 594 | 590 | 591 | 592 | 593 | 594 |
| 595 | 596 | 597 | 598 | 599 | 595 | 596 | 597 | 598 | 599 |
| 600 | 601 | 602 | 603 | 604 | 600 | 601 | 602 | 603 | 604 |
| 605 | 606 | 607 | 608 | 609 | 605 | 606 | 607 | 608 | 609 |
| 610 | 611 | 612 | 613 | 614 | 610 | 611 | 612 | 613 | 614 |
| 615 | 616 | 617 | 618 | 619 | 615 | 616 | 617 | 618 | 619 |
| 620 | 621 | 622 | 623 | 624 | 620 | 621 | 622 | 623 | 624 |
| 625 | 626 | 627 | 628 | 629 | 625 | 626 | 627 | 628 | 629 |
| 630 | 631 | 632 | 633 | 634 | 630 | 631 | 632 | 633 | 634 |
| 635 | 636 | 637 | 638 | 639 | 635 | 636 | 637 | 638 | 639 |
| 640 | 641 | 642 | 643 | 644 | 640 | 641 | 642 | 643 | 644 |
| 645 | 646 | 647 | 648 | 649 | 645 | 646 | 647 | 648 | 649 |
| 650 | 651 | 652 | 653 | 654 | 650 | 651 | 652 | 653 | 654 |
| 655 | 656 | 657 | 658 | 659 | 655 | 656 | 657 | 658 | 659 |
| 660 | 661 | 662 | 663 | 664 | 660 | 661 | 662 | 663 | 664 |
| 665 | 666 | 667 | 668 | 669 | 665 | 666 | 667 | 668 | 669 |
| 670 | 671 | 672 | 673 | 674 | 670 | 671 | 672 | 673 | 674 |
| 675 | 676 | 677 | 678 | 679 | 675 | 676 | 677 | 678 | 679 |
| 680 | 681 | 682 | 683 | 684 | 680 | 681 | 682 | 683 | 684 |
| 685 | 686 | 687 | 688 | 689 | 685 | 686 | 687 | 688 | 689 |
| 690 | 691 | 692 | 693 | 694 | 690 | 691 | 692 | 693 | 694 |
| 695 | 696 | 697 | 698 | 699 | 695 | 696 | 697 | 698 | 699 |
| 700 | 701 | 702 | 703 | 704 | 700 | 701 | 702 | 703 | 704 |
| 705 | 706 | 707 | 708 | 709 | 705 | 706 | 707 | 708 | 709 |
| 710 | 711 | 712 | 713 | 714 | 710 | 711 | 712 | 713 | 714 |
| 715 | 716 | 717 | 718 | 719 | 715 | 716 | 717 | 718 | 719 |
| 720 | 721 | 722 | 723 | 724 | 720 | 721 | 722 | 723 | 724 |
| 725 | 726 | 727 | 728 | 729 | 725 | 7   |     |     |     |



Tabula Aequationū motus accessus et recessus sphaere Stellatae

\*

| 16            | Aequa-<br>tio | U             | 16   | Aequa-<br>tio | U    | 16 | Aequa-<br>tio | U  |
|---------------|---------------|---------------|------|---------------|------|----|---------------|----|
| 10            |               | 10            | 10   |               | 10   | 10 |               | 10 |
| 3             | Adde          | 3             | 3    | Adde          | 3    | 4  | Adde          | 3  |
| 5             | 5 m 2 m 2     | 5             | 5    | 5 m 2 m 2     | 5    | 5  | 5 m 2 m 2     | 5  |
| 1 59 0 9 25   | 9 25          | 31 29 4 37 17 | 8 7  | 1 59 7 51 40  | 4 39 |    |               |    |
| 2 58 0 18 49  | 9 24          | 32 28 4 45 18 | 8 1  | 2 58 7 56 19  | 4 39 |    |               |    |
| 3 57 0 28 11  | 9 21          | 33 27 4 53 14 | 7 56 | 3 57 8 0 41   | 4 22 |    |               |    |
| 4 56 0 37 32  | 9 21          | 34 26 5 1 5   | 7 51 | 4 56 8 4 56   | 4 15 |    |               |    |
| 5 55 0 46 52  | 9 20          | 35 25 5 8 51  | 7 46 | 5 55 8 9 2    | 4 6  |    |               |    |
| 6 54 0 56 12  | 9 20          | 36 24 5 16 30 | 7 39 | 6 54 8 12 58  | 3 56 |    |               |    |
| 7 53 1 5 31   | 9 19          | 37 23 5 24 4  | 7 34 | 7 53 8 16 45  | 3 47 |    |               |    |
| 8 52 1 14 28  | 9 17          | 38 22 5 31 33 | 7 29 | 8 52 8 20 23  | 3 38 |    |               |    |
| 9 51 1 24 4   | 9 36          | 39 21 5 38 57 | 7 24 | 9 51 8 23 52  | 3 29 |    |               |    |
| 10 50 1 33 20 | 9 16          | 40 20 5 46 16 | 7 19 | 10 50 8 27 11 | 3 20 |    |               |    |
| 11 49 1 42 34 | 9 14          | 41 19 5 53 26 | 7 10 | 11 49 8 30 23 | 3 11 |    |               |    |
| 12 48 1 51 46 | 9 12          | 42 18 6 0 29  | 7 3  | 12 48 8 33 24 | 3 1  |    |               |    |
| 13 47 2 0 57  | 9 11          | 43 17 6 7 26  | 6 57 | 13 47 8 36 15 | 2 51 |    |               |    |
| 14 46 2 10 6  | 9 9           | 44 16 6 14 17 | 6 51 | 14 46 8 38 56 | 2 41 |    |               |    |
| 15 45 2 19 13 | 9 7           | 45 15 6 21 2  | 6 45 | 15 45 8 41 28 | 2 32 |    |               |    |
| 16 44 2 28 17 | 9 4           | 46 14 6 27 40 | 6 38 | 16 44 8 43 50 | 2 22 |    |               |    |
| 17 43 2 37 26 | 8 49          | 47 13 6 34 10 | 6 30 | 17 43 8 46 2  | 2 12 |    |               |    |
| 18 42 2 46 11 | 8 45          | 48 12 6 40 33 | 6 23 | 18 42 8 48 5  | 2 3  |    |               |    |
| 19 41 2 55 2  | 8 51          | 49 11 6 46 49 | 6 16 | 19 41 8 49 59 | 1 54 |    |               |    |
| 20 40 3 3 49  | 8 47          | 50 10 6 52 58 | 6 9  | 20 40 8 51 44 | 1 45 |    |               |    |
| 21 39 3 12 47 | 8 58          | 51 9 6 59 0   | 6 2  | 21 39 8 53 19 | 1 35 |    |               |    |
| 22 38 3 21 36 | 8 49          | 52 8 7 4 53   | 5 53 | 22 38 8 54 41 | 1 22 |    |               |    |
| 23 37 3 30 20 | 8 44          | 53 7 7 10 38  | 5 45 | 23 37 8 55 55 | 1 14 |    |               |    |
| 24 36 3 38 57 | 8 37          | 54 6 7 16 15  | 5 37 | 24 36 8 57 0  | 1 5  |    |               |    |
| 25 35 3 47 21 | 8 30          | 55 5 7 21 44  | 5 29 | 25 35 8 57 55 | 0 55 |    |               |    |
| 26 34 3 55 54 | 8 27          | 56 4 7 27 7   | 5 23 | 26 34 8 58 40 | 0 45 |    |               |    |
| 27 33 4 4 17  | 8 23          | 57 3 7 32 21  | 5 14 | 27 33 8 59 15 | 0 35 |    |               |    |
| 28 32 4 12 38 | 8 21          | 58 2 7 37 27  | 5 6  | 28 32 8 59 40 | 0 25 |    |               |    |
| 29 31 4 20 55 | 8 17          | 59 1 7 42 23  | 4 56 | 29 31 8 59 55 | 0 15 |    |               |    |
| 30 0 4 29 10  | 8 5           | 60 0 7 47 10  | 4 47 | 30 0 9 0 0    | 0 5  |    |               |    |
| 5             |               | 5             | 4 37 | 5             | 0 0  |    |               |    |
| 1             | 2             | 1             | 2    | 1             | 2    |    |               |    |
| 5             | 2             | 5             | 2    | 5             | 2    |    |               |    |
| 16            | 16            | 16            | 16   | 16            | 16   |    |               |    |

**C**elestium Imaginū omniū Septentrionalū videlicet: meridionalium et in orbe signorū: suarū Stellationū siue Syderū siue Stellarū fixarū: tempore Alfonso Annis christi scilicet completis. 1251. et mensibus. 5. verificatarū Longitudines et latitudines ac magnitudines sequunt. Duarū in magnitudine prima sunt. 15. In secunda. 45. In tertia. 208. In quarta. 474. In quinta. 217. In sexta. 49. Nebulose. 5. Et tenebrosae siue occulte. 9. Et maxime notabiles ex his pquirenti patebūt vbicunq; in ordinis numerozū postremo caracter stellarū occurrat huiusmodi. \*

**C**ausa comunis tempore Alfonso vti s.

|   |    |    |    |
|---|----|----|----|
| 5 | 5  | m  | 2  |
| 0 | 17 | 14 | 44 |

**C** Stellaciones formarum

Septentrionalū.

**C** Stellatio Urse minoris et dī Linolura et Arctos .8.

| Logitu. | Lat. Mag. |
|---------|-----------|
| 5       | 5         |
| m       | m         |

(est Stella polaris siue Polus.

|   |   |   |   |
|---|---|---|---|
| 5 | 5 | m | 2 |
| 5 | 5 | m | 2 |

|     |   |                                                            |   |    |    |   |    |    |   |   |
|-----|---|------------------------------------------------------------|---|----|----|---|----|----|---|---|
| +22 | M | Illa q̄ est sup extremitatē caude: et dicitur Alrucaba: et | 1 | 17 | 18 | S | 66 | 0  | 3 | * |
|     |   | Illa que est post istam super caudam                       | 1 | 19 | 38 |   | 70 | 0  | 4 |   |
|     | U | Illa que est post istam in origine caude                   | 1 | 33 | 8  |   | 74 | 0  | 4 |   |
|     |   | Meridiana a latere antecedente lateri clunū                | 1 | 46 | 48 |   | 75 | 40 | 4 |   |
| +35 | H | Septentrionalis ab hoc latere                              | 1 | 50 | 48 |   | 77 | 40 | 4 |   |
| +40 | M | Meridiana duarū que sunt in latere sequente                | 2 | 4  | 18 |   | 71 | 50 | 2 | * |
|     |   | Sept. ab hoc loco (sūt i latere seq̄ntes: et nō ē i for.   | 2 | 13 | 18 | S | 74 | 50 | 2 |   |
|     | Q | Merid. duarū q̄ sūt sup rectitudinē duarū stellarū q̄      | 2 | 0  | 8  |   | 71 | 10 | 4 |   |

**C** Stellatio Urse maioris et dī Elix et Arcturus .27.

|     |  |                                                             |   |    |    |   |    |    |   |   |
|-----|--|-------------------------------------------------------------|---|----|----|---|----|----|---|---|
|     |  | Illa que est sup extremitatē muscide                        | 1 | 42 | 28 | S | 39 | 50 | 4 |   |
|     |  | Antecedens duarū que sunt in duobus oculis                  | 1 | 42 | 58 |   | 43 | 0  | 5 |   |
|     |  | Sequens earum                                               | 1 | 43 | 28 |   | 43 | 10 | 5 |   |
|     |  | Antecedens duarū que sunt in fronte                         | 1 | 43 | 18 |   | 47 | 10 | 5 |   |
|     |  | Sequens earum                                               | 1 | 44 | 48 |   | 47 | 0  | 5 |   |
|     |  | Illa que est sup extremitatē auris antecedentis             | 1 | 45 | 18 |   | 50 | 30 | 5 |   |
|     |  | Antecedens duarū que sunt in collo                          | 1 | 49 | 38 |   | 43 | 50 | 4 |   |
|     |  | Sequens earum                                               | 1 | 59 | 38 |   | 44 | 20 | 4 |   |
|     |  | Declinior duarū earū q̄ sunt in pectore ad sept.            | 1 | 58 | 8  |   | 42 | 0  | 4 |   |
|     |  | Declinior earum ad meridiem                                 | 1 | 57 | 8  | S | 44 | 0  | 4 |   |
|     |  | Illa que est super genu sinistrum                           | 1 | 52 | 48 |   | 35 | 0  | 3 |   |
|     |  | Sept. que est in extremitate sinistri pedis pcedētis        | 1 | 53 | 38 |   | 29 | 20 | 3 |   |
|     |  | Meridiana earum                                             | 1 | 52 | 28 |   | 28 | 30 | 3 |   |
|     |  | Illa que est super genu dextrum                             | 1 | 52 | 48 |   | 36 | 0  | 4 |   |
|     |  | Illa que est sub genu dextro (tur Dubbe                     | 2 | 4  | 58 |   | 33 | 3  | 4 |   |
| +36 |  | Illa q̄ est sup dorū earū q̄ sūt hñtes. 4. latera: et dicit | 2 | 9  | 48 |   | 49 | 0  | 2 | * |
| +39 |  | Illa que est super miraculus                                | 2 | 9  | 18 |   | 44 | 30 | 2 |   |
|     |  | Illa que est sup originē caude ei⁹                          | 2 | 20 | 18 |   | 51 | 0  | 3 |   |
|     |  | Sequens earū: et ea q̄ est sup corā sinistra posteriorē     | 2 | 21 | 8  | S | 46 | 30 | 2 |   |

Longitudo et latitudo ac magnitudo stellarum fixarum. Longitudo. Latitudo.

|                                                        | Longitudo  | Latitudo  |
|--------------------------------------------------------|------------|-----------|
| Antecedens duarum que sunt in pede sinistro posteriori | 21 9 48 S  | 29 30 3   |
| Sequens hanc                                           | 21 11 18   | 28 15 3   |
| Illa que est in ventre genu sinistri                   | 21 18 48   | 35 15 4   |
| Septem duarum que sunt in pede dextro posteriori       | 21 26 58   | 25 50 3   |
| Declinatio earum ad meridiem                           | 21 27 28   | 25 0 3    |
| Prima trium que sunt supra caudam: et est Alione       | 21 29 18   | 53 30 2 * |
| Media trium (heid et Bennenazc)                        | 21 35 8    | 55 40 2 * |
| Tertia illa que est supra extremitate caude et de El.  | 21 46 58 S | 54 0 2 *  |

Ex his que circa visam maiorem sunt: et non sunt in eius forma. 8.

|                                                                                                                 |            |           |
|-----------------------------------------------------------------------------------------------------------------|------------|-----------|
| Stella elongata a dorso versus meridiem                                                                         | 21 44 58 S | 39 45 3   |
| Antecedens hanc: et est occultior ea                                                                            | 21 37 18   | 41 20 5   |
| Declinatio duarum que sunt in eo quod est inter duos pedes antecedentis visæ: et inter caput leonis ad meridiem | 21 2 8     | 17 35 4   |
| Illa que est declinatio ad septentrionem                                                                        | 21 0 28    | 19 10 4   |
| Sequens stellarum trium reliquarum occultarum                                                                   | 21 3 18    | 20 0 0 c  |
| Antecedens hanc                                                                                                 | 1 59 18    | 22 45 0 c |
| Illa que plus antecedit hanc                                                                                    | 1 58 18    | 23 15 0 c |
| Illa que est inter duos pedes antecedentes visæ et inter geminos                                                | 21 17 8 S  | 20 20 0 c |

Stellatio Draconis. 30.

|                                                                       |           |           |
|-----------------------------------------------------------------------|-----------|-----------|
| Que est supra linguam                                                 | 3 43 48 S | 76 30 4   |
| Que est in ore                                                        | 3 58 58   | 78 40 4   |
| Que est super duos oculos                                             | 4 0 18    | 75 40 3   |
| Que est super grumum                                                  | 4 13 18   | 75 20 4   |
| Que est super caput: et dicitur Rasaben                               | 4 16 48   | 75 30 3 * |
| Septem trium que sunt supra rectam lineam a ceruice in flexione       | 4 41 48   | 72 10 4   |
| Meridionalis earum (prima)                                            | 4 49 38   | 78 15 4   |
| Media earum (secunda que est in flexione sequente istam)              | 4 45 58   | 80 20 4   |
| Sequens istarum a parte orientis ab habete quattuor latera            | 5 6 38    | 81 10 4   |
| Meridiana lateris antecedentis habetis. 4. latera                     | 5 55 8 S  | 81 40 4   |
| Septentrionalis lateris antecedentis in flexione prima                | 0 7 38    | 83 0 4    |
| Septentrionalis lateris sequentis                                     | 0 14 48   | 78 50 4   |
| Meridiana trianguli que est in flexione que est post illam            | 0 27 48   | 80 30 4   |
| Sequens earum                                                         | 0 43 18   | 80 15 5   |
| Antecedens duarum reliquarum trianguli                                | 0 38 48   | 81 40 5   |
| Antecedens duarum stellarum que sunt in triangulo que antecedit istum | 1 30 28   | 83 30 4   |
| Declinatio duarum reliquarum trianguli ad meridiem                    | 1 7 58    | 83 30 4   |
| Declinatio duarum reliquarum ad septentrionem                         | 0 58 53   | 84 50 4   |
| Declinatio duarum parvarum occidentaliu a triangulo                   | 2 13 48 S | 87 30 6   |

| C Longitudo et latitudo ac magnitudo stellarum fixarum                 |  | Logi. |     | Latit. mag |    |
|------------------------------------------------------------------------|--|-------|-----|------------|----|
|                                                                        |  | g     | m   | g          | m  |
| <b>Antecedens earum</b>                                                |  | 2     | 848 | 86         | 50 |
| <b>Declinior trium que sunt super rectam lineam post istas ad mer.</b> |  | 1     | 56  | 81         | 55 |
| <b>Media trium</b>                                                     |  | 1     | 56  | 83         | 0  |
| <b>Declinior earum ad sept.</b>                                        |  | 2     | 55  | 84         | 50 |
| <b>Declinior duarum que sequuntur istas ad sept. et his que se.</b>    |  | 1     | 57  | 8          | 76 |
| <b>Declinior earum ad meridiem (quint ad occidentem.</b>               |  | 3     | 0   | 8          | 74 |
| <b>Occidentalis harum duarum apud flexuositatem caude</b>              |  | 2     | 59  | 48         | 70 |
| <b>Antecedens duarum elongatarum ab hac elongatione magna</b>          |  | 1     | 24  | 18         | 64 |
| <b>Sequens earum</b>                                                   |  | 1     | 24  | 18         | 65 |
| <b>Sequens istas duas prope caudam</b>                                 |  | 2     | 16  | 18         | 67 |
| <b>Reliqua que est super extremitatem caude</b>                        |  | 2     | 0   | 18         | 56 |

C Stellatio Cheichius vel Lephei: et latine ipse est inflamatus siue flammiger. . II.

|                                                                          |  |   |    |    |    |
|--------------------------------------------------------------------------|--|---|----|----|----|
| <b>Que est super pedem dextrum</b>                                       |  | 0 | 52 | 18 | 75 |
| <b>Que est super pedem sinistrum</b>                                     |  | 0 | 50 | 8  | 64 |
| <b>Que est sub angulo a latere dextro</b>                                |  | 0 | 24 | 18 | 71 |
| <b>Elongans super humerum dextrum: et dicitur Alderaimim</b>             |  | 0 | 3  | 48 | 69 |
| <b>Elongans super manum sinistram cubitum dextrum a superiori iungit</b> |  | 5 | 56 | 18 | 72 |
| <b>Que sunt sub isto eodem cubito (ctura.</b>                            |  | 5 | 57 | 8  | 74 |
| <b>Que est in pectore</b>                                                |  | 0 | 15 | 38 | 65 |
| <b>Que est super adiutorium sinistrum</b>                                |  | 0 | 24 | 38 | 62 |
| <b>Meridionalis trium que sunt super pileum</b>                          |  | 0 | 3  | 18 | 60 |
| <b>Media trium</b>                                                       |  | 0 | 4  | 18 | 61 |
| <b>Septentrionalis trium</b>                                             |  | 0 | 6  | 8  | 61 |

Earum que sequuntur cheichius et non sunt in forma. . 2.

|                                                                                             |  |   |    |    |    |
|---------------------------------------------------------------------------------------------|--|---|----|----|----|
| <b>Antecedens pileum</b>                                                                    |  | 0 | 0  | 48 | 64 |
| <b>Sequens pileum</b>                                                                       |  | 0 | 8  | 18 | 59 |
| <b>C Stellatio Beginius id est Boetii siue vociferans: et dicitur Arcturi custos. . 22.</b> |  |   |    |    |    |
| <b>Antecedens trium que sunt in manu sinistra</b>                                           |  | 2 | 49 | 18 | 58 |
| <b>Media trium et declinior earum ad meridiem</b>                                           |  | 2 | 51 | 18 | 58 |
| <b>Sequens trium</b>                                                                        |  | 2 | 52 | 48 | 60 |
| <b>Que est super manum sinistram iungit cubitum sinistrum</b>                               |  | 2 | 56 | 48 | 54 |
| <b>Que est super humerum sinistrum</b>                                                      |  | 3 | 6  | 48 | 49 |
| <b>Que est super caput</b>                                                                  |  | 3 | 13 | 48 | 53 |
| <b>Que est super humerum dextrum</b>                                                        |  | 3 | 12 | 48 | 48 |
| <b>Declinior istarum ad sept. et est Alcalur: et bastile hinc canes</b>                     |  | 3 | 12 | 48 | 53 |
| <b>Que est declinior ab hac ad sept. super extremitatem bastil.</b>                         |  | 3 | 32 | 8  | 57 |
| <b>Sept. duarum sub humero in virga bastilis</b>                                            |  | 3 | 24 | 48 | 46 |
| <b>Declinior earum ad meridiem</b>                                                          |  | 3 | 25 | 38 | 45 |

| Longitudo latitudo et magnitudo stellarum fixarum         | Logi. |    |    | Lat. et Sag. |    |      |
|-----------------------------------------------------------|-------|----|----|--------------|----|------|
|                                                           | °     | '  | "  | °            | '  | "    |
| Que est super extremitate manus dextre                    | 3     | 25 | 38 | S            | 41 | 20 5 |
| Antecedens duarum que sunt in brachio                     | 3     | 23 | 48 |              | 41 | 40 5 |
| Sequens earum                                             | 3     | 24 | 8  |              | 42 | 30 5 |
| Que est super extremitate manubry hasti hntis canes       | 3     | 24 | 48 |              | 40 | 20 5 |
| Que est super coram dextra i merer. l. i. panno quo tegit | 3     | 17 | 8  |              | 4  | 15 3 |
| Sequens duarum in cingulo (locabraccaz. l. ve)            | 3     | 12 | 48 | S            | 41 | 40 4 |
| Antecedens earum (rende.                                  | 3     | 12 | 8  |              | 42 | 10 4 |
| Que est super cauillam dextram                            | 3     | 12 | 28 |              | 28 | 0 3  |
| Septentrionalis trium que sunt in crure sinistro          | 3     | 8  | 28 |              | 28 | 0 3  |
| Media trium                                               | 3     | 7  | 38 |              | 26 | 30 4 |
| Decliuor earum ad meridiem                                | 3     | 8  | 38 | S            | 25 | 0 4  |

Que sunt sub eo et non sunt in forma. (et notas audies.

79  $\pi$  Que est inter duas coras: et illa que dicitur a simeth aremeab 3 14 8 S 31 30 1 \*

(Stellatio Corone septentrionalis: et est Alpheba. 8

61  $\alpha$  Lucida in corona: et dicitur proprie Alpheba 3 31 48 S 44 30 2 \*

Antecedens omnium 3 28 48 46 10 4

Sequens istam: et est ad septentrionem decliuor 3 28 58 48 0 5

Sequens etiam istam: et est ad septentrionem decliuor 3 36 48 50 30 6

Sequens lucida a parte meridiei 3 35 18 44 45 4

Sequens hanc etiam propinque 3 34 18 44 50 4

Sequens etiam post istam 3 38 28 46 10 4

Sequens omnes que sunt in corona 3 38 48 S 49 20 4

(Stellatio Algethi id est incuruati super genu ipsius: et dicitur Hercules .29.

72  $\delta$  Que est super caput: et dicitur Rasalbeti. 4 4 48 S 37 30 3

Que est super humerum dextrum propinqua rutilico 3 50 48 43 0 3

Que est super adiutorium dextrum 3 48 48 40 10 3

Que est super marsic dextrum 3 45 8 37 15 4

Que est super humerum sinistrum 4 3 48 48 0 3

Que est super adiutorium sinistrum 4 9 8 49 30 4

Que est super marsic sinistrum 4 14 48 42 0 4

Decliuor trium que sunt in masym sinistro. l. i. maiori osse 4 22 38 S 52 50 4

Septentrionalis duarum reliquarum (brachij 4 18 48 54 0 4

Decliuor ad meridiem 4 18 38 53 0 4

Que est in latere dextro 3 50 58 56 10 4

Que est in latere sinistro 3 57 18 55 30 3

Que est decliuor hac ad septem. supra coram sinistro 3 57 8 56 10 4

Que est supra originem core huius 3 8 1 58 30 5

Antecedens trium que sunt in coram sinistra 4 1 8 S 59 50 3

Logitudo et latitudo ac magnitudo stellarum fixarum

|                                                                                  | Logitu.   | Lat.     | Mag. |
|----------------------------------------------------------------------------------|-----------|----------|------|
| Sequens hanc                                                                     | 4 1 28 S  | 60 20 4  |      |
| Sequens etiam hanc                                                               | 4 3 28    | 61 15 4  |      |
| Que est super genu sinistrum in loco calcanei                                    | 4 17 58   | 61 0 4   |      |
| Que est super nate cruris sinistri                                               | 4 9 18    | 69 20 4  |      |
| Antecedens trium que sunt in pede sinistro                                       | 4 2 28    | 70 15 4  |      |
| Media harum trium                                                                | 4 3 58    | 71 15 6  |      |
| Sequens earum                                                                    | 4 6 48 S  | 71 0 6   |      |
| Que est supra originem core dextre                                               | 3 47 48   | 60 15 6  |      |
| Que est declinior ea ad septem. et est in hac coxa                               | 3 42 28   | 63 0 4   |      |
| Que est super genu dextrum                                                       | 3 31 48   | 65 30 4  |      |
| Declinior duarum que sunt in ventre genu dextri ad meridiem                      | 3 30 28   | 63 40 4  |      |
| Declinior earum ad septentrionem                                                 | 3 27 18   | 64 15 4  |      |
| Que est in crure dextro (te basilis habetis serpentem.)                          | 3 28 18   | 60 0 4   |      |
| Que est extremitate pedis dextri: et est illa que est extrema.                   | 3 22 8 S  | 57 30 4  |      |
| Egrediens ab ipso et non est in forma.                                           | 1.        |          |      |
| Que est supra adiutorium dextrum ad meridiem                                     | 3 49 48   | 38 10 6  |      |
| (Stellatio Aloboze id est vultur cadens:                                         | 10.       |          |      |
| Lucida super pupillam deferentem: et est aloboze et de wegga                     | 4 34 28 S | 62 0 1 * |      |
| Declinior duarum propinquarum ei se sequenti ad septem.                          | 4 37 28   | 62 40 4  |      |
| Declinior earum ad meridiem                                                      | 4 37 18   | 61 0 4   |      |
| Sequens has duas: et est media inter originem duorum communium                   | 4 45 48   | 60 0 4   |      |
| Declinior duarum sequenti que sunt in orietali parte pupille de e                | 4 49 8    | 60 20 4  |      |
| Declinior earum ad meridiem (serpens ad septentrionem.)                          | 4 48 48 S | 60 20 4  |      |
| Declinior duarum antecedenti que sunt in laice libree ad septem.                 | 4 38 8    | 56 10 3  |      |
| Declinior earum ad meridiem                                                      | 4 37 58   | 55 0 4   |      |
| Declinior duarum sequenti que sunt in laice libree ad septem.                    | 4 41 18   | 55 20 3  |      |
| Declinior earum ad meridiem                                                      | 4 41 8 S  | 54 45 4  |      |
| (Stella Myresym: et de qui redoles ut lilium: et est volas: et ia vocat Gallina. |           |          |      |
| Que est super rostrum: et dicitur rostrum galline                                | 4 51 38 S | 49 20 3  |      |
| Sequens hanc supra caput                                                         | 4 56 8    | 50 30 5  |      |
| Que est in medio colli                                                           | 5 3 28    | 54 30 4  |      |
| Que est in pectore                                                               | 5 15 38   | 56 20 3  |      |
| Lucida que est in cauda: et est Arided: et de Denebadigege.                      | 5 26 18   | 60 0 2 * |      |
| Que est supra oppositum marsicale dextre                                         | 5 6 28 S  | 64 40 3  |      |
| Meridionalis trium que sunt in decima ale dextre                                 | 5 9 38    | 69 40 4  |      |
| Media trium                                                                      | 5 8 18    | 71 30 4  |      |
| Septentrionalis earum: et est super extremitate ale                              | 5 3 48    | 74 0 4   |      |
| Que est super oppositum marsicale sinistre                                       | 5 17 58   | 49 30 4  |      |
| Que est declinior earum ad septem. et est in medio huius ale.                    | 5 51 58 S | 52 10 4  |      |

| Longitudo et latitudo ac magnitudo stellarum fixarum    |                                                                | Longitu. | Latit. Sag. |
|---------------------------------------------------------|----------------------------------------------------------------|----------|-------------|
|                                                         |                                                                | ° ' " m  | ° ' " m     |
| 1                                                       | Que est in extremitate decime ale sinistre                     | 5 53 48  | S 44 0 31   |
| 2                                                       | Que est super pedem sinistram                                  | 5 57 8   | 55 10 4     |
| 3                                                       | Que est super genu sinistram                                   | 5 31 38  | 57 0 4      |
| 4                                                       | Antecedens duarum que sunt in pede dextro                      | 5 18 18  | 64 0 4      |
| 5                                                       | Sequens earum                                                  | 5 19 48  | 64 30 4     |
| 6                                                       | Nebulosa que est super genu dextrum                            | 5 19 18  | S 63 45 51  |
| Que sunt circa gallinam: et non sunt in forma .2.       |                                                                |          |             |
|                                                         | Declinior duarum que sunt sub ala sinistra a meridie           | 5 19 48  | 49 40 4     |
|                                                         | Declinior earum ad septentrionem                               | 5 30 48  | 51 40 4     |
| C Stellatio Cassiopeie. i. habetis palmam delibata .13. |                                                                |          |             |
| 7                                                       | Que est super caput                                            | 0 14 58  | S 45 20 4   |
| 8                                                       | Que est in pectore: et dicitur Scheder                         | 0 17 58  | 46 45 3 *   |
|                                                         | Que est declinior ea ad septem. et est super cingulum          | 0 30 13  | 47 50 4     |
|                                                         | Que est super sedem super duas coras                           | 0 33 48  | 49 0 3      |
|                                                         | Que est in duobus genibus                                      | 0 37 18  | 45 30 3     |
|                                                         | Que est super crus                                             | 0 44 8   | 47 44 4     |
|                                                         | Que est super extremitatem pedis                               | 0 18 48  | S 48 20 4   |
| 9                                                       | Que est super adiutorium sinistram                             | 0 31 48  | 45 0 5      |
|                                                         | Que est super marem sinistram                                  | 0 31 48  | 45 20 4     |
|                                                         | Que est super brachium dextrum                                 | 0 21 18  | 50 0 6      |
|                                                         | Que est super erectionem sedis                                 | 0 32 8   | 52 40 4     |
|                                                         | Que est in medio reclinatorij sedis                            | 0 24 58  | 51 40 3     |
| 10                                                      | Que est in extremitate reclinatorij                            | 0 37 48  | S 51 4 6    |
| C Stellatio Chelub: cuius nomen in latino est           |                                                                |          |             |
| Perseus: restat deferens caput Argol.                   |                                                                |          |             |
| 11                                                      | Stella que est in reuolutione nebulosa: que est super extremum | 0 44 48  | S 40 35 4   |
|                                                         | Que est super marem dextrum (tate man <sup>o</sup> dextre.     | 0 48 18  | 37 30 4     |
|                                                         | Que est super spatulam dextram                                 | 0 49 48  | 34 30 4     |
|                                                         | Que est super spatulam sinistram                               | 0 44 38  | 32 20 4     |
|                                                         | Que est super caput                                            | 0 47 48  | 34 30 4     |
|                                                         | Que est inter duas spatulas                                    | 0 48 38  | 31 10 4     |
| 12                                                      | Lucida que est in latere dextro: et dicitur Alchemb            | 0 51 58  | S 30 0 2 *  |
| 13                                                      | Antecedens trium que sunt post eam in alio latere              | 0 52 18  | 27 30 4     |
|                                                         | Media trium                                                    | 0 54 8   | 27 40 4     |
|                                                         | Sequens earum                                                  | 0 54 48  | 27 30 3     |
|                                                         | Que est super marem sinistram                                  | 0 47 48  | 27 0 4      |
| 14                                                      | Lucida earum que sunt in capite argol                          | 0 46 48  | 23 0 2 *    |
|                                                         | Sequens hanc                                                   | 0 46 18  | 21 0 4      |
| 15                                                      | Antecedens lucidam                                             | 0 44 48  | S 21 0 4    |

| Longitudo latitudo et magnitudo stellarum fixarum.     |  | Logi. |       | Latitudo Sag. |         |
|--------------------------------------------------------|--|-------|-------|---------------|---------|
|                                                        |  | °     | '     | °             | '       |
| Antecedens hanc etiam: et est secunda.                 |  | 0     | 43 58 | S             | 22 15 4 |
| Que est in genu dextro.                                |  | 1     | 1 58  |               | 28 15 4 |
| Antecedens hanc: et est super genu.                    |  | 1     | 0 58  |               | 28 15 4 |
| Antecedens duarum que sunt in ventre coxe.             |  | 0     | 59 28 |               | 25 14 4 |
| Stella postrema earum in unitate ventris coxe.         |  | 1     | 1 8   |               | 26 35 4 |
| Que est super musculum cruris dextri                   |  | 1     | 1 18  |               | 24 30 5 |
| Que est super calcaneum dextrum                        |  | 1     | 3 28  |               | 18 45 5 |
| Que est super coram sinistram                          |  | 0     | 53 18 |               | 21 40 4 |
| Que est super genu sinistram                           |  | 0     | 55 48 | S             | 19 51 3 |
| Que est super crus sinistram                           |  | 0     | 55 28 |               | 14 45 3 |
| Que est super cavillam sinistram                       |  | 0     | 51 18 |               | 12 0 3  |
| Sequens hanc: et est super extremitatem sinistri pedis |  | 0     | 53 28 |               | 11 0 3  |

Et eis que sequuntur caput Algol: et non sunt in forma.

3.

|                                                              |  |   |       |   |         |
|--------------------------------------------------------------|--|---|-------|---|---------|
| Que est in parte orientis ab ea que est in genu sinistro     |  | 0 | 58 58 |   | 48 0 5  |
| Que est in parte septentrionis ab ea que est in genu dextro. |  | 1 | 2 8   |   | 31 0 5  |
| Antecedens que est in capite Algol.                          |  | 0 | 41 48 | S | 20 40 0 |

Stellatio retinens habenas: et est Albiatoc: et dicitur agitator currus.

14.

|                                                                       |  |   |       |   |           |
|-----------------------------------------------------------------------|--|---|-------|---|-----------|
| Declivior duarum que sunt super caput ad meridiem                     |  | 1 | 19 38 | S | 30 0 4    |
| Declivior earum ad septentrionem: et est supra caput                  |  | 1 | 19 28 |   | 30 50 4   |
| Que est super sinistram spatulam: et dicitur hirc: et est albiatoc    |  | 1 | 12 8  |   | 22 30 1 * |
| Que est super spatulam dextram                                        |  | 1 | 19 58 |   | 20 0 2 *  |
| Que est super marsic dextrum (ubi vbi pinguunt.                       |  | 1 | 18 18 |   | 15 15 4   |
| Que est super mabasin dextrum: et est locus inter manum et brachium   |  | 1 | 19 58 |   | 13 30 4   |
| Que est super marsic sinistram                                        |  | 1 | 9 8   | S | 20 40 4   |
| Sequens duarum que sunt super mabasin sinistram                       |  | 1 | 9 18  |   | 18 0 4    |
| Antecedens earum: et dicitur sadateni                                 |  | 1 | 9 16  |   | 18 0 4    |
| Que est super cavillam sinistram. (trionali tauri.                    |  | 1 | 6 58  |   | 10 10 3   |
| Que est super cavillam dextram: et est cois ei et cornu septentrionis |  | 1 | 12 48 |   | 5 0 2 *   |
| Que est a parte septentrionis ab hac in involutio que est super pedem |  | 1 | 13 8  |   | 8 30 5    |
| Que est declivior ad septentrionem: et est quasi super coram          |  | 1 | 13 28 |   | 12 20 5   |
| Adino: que est super pedem sinistram                                  |  | 1 | 17 48 | S | 10 20 6   |

Stellatio Afeichus: et est Alanguie id est effeminatus:

et est lato: serpentis: et dicitur Serpentarius.

14.

|                                                     |  |   |       |   |          |
|-----------------------------------------------------|--|---|-------|---|----------|
| Que est super caput: et dicitur Rasalaugue          |  | 4 | 11 58 | S | 36 0 3 * |
| Antecedens duarum que sunt super spatulam dextram   |  | 4 | 15 8  |   | 27 15 4  |
| Sequens earum                                       |  | 4 | 16 8  |   | 26 45 4  |
| Antecedens duarum que sunt super spatulam sinistram |  | 4 | 0 28  |   | 33 0 4   |
| Sequens earum                                       |  | 4 | 1 48  |   | 31 50 4  |
| Que est super marsic sinistram                      |  | 3 | 55 28 | S | 34 30 4  |



| Longitudo latitudo ac magnitudo stellarum fixarum               |   |    | Logi. |    | Tan. ad Sag. |    |   |
|-----------------------------------------------------------------|---|----|-------|----|--------------|----|---|
|                                                                 | g | m  | g     | m  |              |    |   |
| Antecedens duarum que sunt supra palmam sinistram               | 3 | 51 | 8     | 5  | 17           | 0  | 3 |
| Sequens earum                                                   | 5 | 53 | 8     | 17 | 30           | 3  |   |
| Que est super maritum sinistram                                 | 4 | 13 | 48    | 15 | 0            | 4  |   |
| Antecedens duarum que sunt super palmam dextram                 | 4 | 19 | 28    | 13 | 40           | 4  |   |
| Sequens earum                                                   | 4 | 21 | 28    | 14 | 20           | 4  |   |
| Que est super genu dextrum                                      | 4 | 8  | 18    | 7  | 30           | 3  |   |
| Que est super crus dextrum                                      | 4 | 10 | 48    | 2  | 15           | 4  |   |
| Antecedens quattuor que sunt super pedem dextrum                | 4 | 10 | 8     | 2  | 15           | 4  |   |
| Sequens hanc                                                    | 4 | 11 | 28    | 5  | 1            | 30 | 4 |
| Sequens etiam hanc                                              | 4 | 12 | 8     | 0  | 20           | 4  |   |
| Reliqua illarum quattuor: et est etiam sequens                  | 4 | 12 | 58    | 0  | 45           | 5  |   |
| Sequens hanc: et est contingens cauillam                        | 4 | 13 | 18    | 1  | 30           | 5  |   |
| Que est in genu sinistro                                        | 3 | 59 | 18    | 11 | 50           | 3  |   |
| Septem trium que sunt in crure sinistro super rectam lineam     | 3 | 58 | 48    | 5  | 20           | 5  |   |
| Media earum                                                     | 3 | 57 | 48    | 3  | 10           | 5  |   |
| Declinatio earum ad meridiem                                    | 3 | 56 | 48    | 1  | 40           | 5  |   |
| Que est super cauillam sinistram                                | 3 | 59 | 28    | 0  | 40           | 5  |   |
| Contingens concavitatem pedis sinistri                          | 3 | 57 | 48    | 5  | 0            | 45 | 4 |
| Que sunt circa alauque et non sunt in forma                     |   |    |       |    |              |    |   |
| Septem trium que sunt super lineam rectam in spatula orientali  | 4 | 19 | 8     | 5  | 28           | 12 | 4 |
| Media harum trium                                               | 4 | 19 | 48    | 26 | 20           | 4  |   |
| Meridionalis earum                                              | 4 | 17 | 28    | 25 | 5            | 4  |   |
| Sequens tres: et est super medium earum                         | 4 | 20 | 48    | 27 | 0            | 4  |   |
| Solitaria que est declinata ab his ad septem.                   | 4 | 21 | 48    | 5  | 33           | 0  | 4 |
| Stellatio serpentis alauque                                     |   |    | 18.   |    |              |    |   |
| Que est super extremitatem maxille habet .11. latera: quod      | 3 | 35 | 58    | 5  | 38           | 40 | 4 |
| Contingens nasum (est in capite)                                | 3 | 38 | 48    | 40 | 0            | 4  |   |
| Que est in tempore                                              | 3 | 41 | 28    | 35 | 0            | 3  |   |
| Que est apud originem colli.                                    | 3 | 39 | 8     | 34 | 15           | 3  |   |
| Que est in medio habetis quattuor latera: et est in ore         | 3 | 38 | 28    | 37 | 15           | 4  |   |
| Egrediens a capite a parte septentrionis                        | 3 | 45 | 18    | 24 | 30           | 4  |   |
| Que est super spondilem primam que est in collo                 | 3 | 38 | 48    | 5  | 29           | 15 | 3 |
| Septentrionalium trium sequentium ea secundum ordinem continuum | 3 | 41 | 58    | 26 | 30           | 4  |   |
| Media earum                                                     | 3 | 41 | 28    | 25 | 20           | 3  |   |
| Meridionalis earum                                              | 3 | 43 | 28    | 24 | 0            | 3  |   |
| Antecedens lucide                                               | 3 | 45 | 48    | 16 | 30           | 4  |   |
| Sequens stellarum que sunt in hac manu                          | 3 | 55 | 18    | 16 | 15           | 5  |   |
| Que est post coram postrema dextra a longe                      | 4 | 10 | 48    | 5  | 10           | 30 | 4 |

| Longitudo et latitudo ac magnitudo stellarum fixarum                 |  | Logi. |    | Latit. Sag. |    |
|----------------------------------------------------------------------|--|-------|----|-------------|----|
|                                                                      |  | g     | m  | g           | m  |
| Declinior duarum sequentium eam ad meridiem                          |  | 4     | 14 | 8           | 30 |
| Declinior earum ad septentrionem                                     |  | 4     | 14 | 58          | 10 |
| Sequens palmam dextram super flexuositate caudae                     |  | 4     | 20 | 48          | 20 |
| Sequens hanc super caudam                                            |  | 4     | 25 | 48          | 21 |
| Que est super extremitate caudae                                     |  | 4     | 35 | 28          | 17 |
| Stellatio Piscis et noia arabice Alabancer dicitur Sagitta           |  |       |    |             |    |
| Solitaria que est super hastulam                                     |  | 4     | 57 | 18          | 39 |
| Sequens trium que sunt supra cannam                                  |  | 4     | 53 | 48          | 39 |
| Media earum                                                          |  | 4     | 51 | 58          | 39 |
| Antecedens trium                                                     |  | 4     | 51 | 48          | 39 |
| Que est supra extremitate                                            |  | 4     | 50 | 28          | 38 |
| Stellatio Aquile. et est vultur volans                               |  |       |    |             |    |
| Que est in medio capitis                                             |  | 4     | 54 | 18          | 26 |
| Antecedens hanc et est super collum                                  |  | 4     | 51 | 58          | 27 |
| Lucida que est super illud quod est inter duas spatulas              |  | 4     | 50 | 58          | 29 |
| Propinqua huic a parte septentrionis                                 |  | 4     | 51 | 48          | 30 |
| Antecedens duarum que sunt in spatula sinistra                       |  | 4     | 50 | 18          | 31 |
| Sequens earum                                                        |  | 4     | 53 | 8           | 31 |
| Antecedens duarum que sunt in spatula dextra                         |  | 4     | 46 | 48          | 28 |
| Sequens earum                                                        |  | 4     | 48 | 8           | 31 |
| Stella que est sub aquila                                            |  | 4     | 39 | 18          | 36 |
| Stelle circūdatæ aquilam et non sunt in forma                        |  |       |    |             |    |
| Antecedens duarum que sunt super caput aagle a parte merid.          |  | 4     | 54 | 38          | 21 |
| Sequens earum                                                        |  | 4     | 55 | 48          | 19 |
| Que est a parte merid. declinior versus occidentem a spatula a       |  | 4     | 42 | 58          | 15 |
| Que est a parte meridiei ab ista                                     |  | 4     | 45 | 18          | 10 |
| Que est etiam declinior ab hac ad meridiem                           |  | 4     | 46 | 48          | 15 |
| Antecedens omnes eas                                                 |  | 4     | 38 | 18          | 18 |
| Stellatio Delphini                                                   |  |       |    |             |    |
| Antecedens trium que sunt in cauda                                   |  | 5     | 4  | 48          | 29 |
| Declinior reliquarum que sunt ad septentrionem                       |  | 5     | 5  | 48          | 29 |
| Declinior earum ad meridiem                                          |  | 5     | 5  | 48          | 36 |
| Meridiana earum que sunt in quadrilatero simili lupo lateri p.       |  | 5     | 5  | 38          | 32 |
| Septentrionalis lateris precedentis                                  |  | 5     | 7  | 18          | 33 |
| Meridiani lateris sequentis similis rumbo                            |  | 5     | 8  | 28          | 32 |
| Septentrionalis lateris sequentis                                    |  | 5     | 10 | 38          | 32 |
| Septentrionalis trium que sunt in eo quod est inter caudam et rubram |  | 5     | 4  | 38          | 24 |
| Antecedens duarum reliquarum septentrionalium                        |  | 5     | 4  | 38          | 31 |

| Longitudo latitudo & magnitudo stellarum fixarum.               | Logi.   | Lat. & Mag. |
|-----------------------------------------------------------------|---------|-------------|
| Reliqua sequens earum.                                          | 5 5 8   | 31 30 6     |
| (Stellatio Equi prioris. 4.                                     |         |             |
| Antecedens duarum que sunt in capite.                           | 5 13 28 | 20 30 00    |
| Sequens earum                                                   | 5 15 8  | 20 48 00    |
| Antecedens duarum que sunt in ore.                              | 5 13 28 | 25 30 00    |
| Sequens earum                                                   | 5 14 48 | 25 00 00    |
| (Stellatio Equi secundi alati. 20.                              |         |             |
| Que est summe: & est co. a ei & capiti mulieri catbenate.       | 0 4 58  | 16 0 2      |
| Que est sup renes: & est ea q est in extremitate ale            | 5 59 18 | 12 30 1     |
| Que est sup humerum dextrum: & est sup radicem man <sup>9</sup> | 5 43 18 | 31 0 2      |
| Que est inter duas spatulas & inter spatulam ale                | 5 43 48 | 19 40 2     |
| Declinior duarum que sunt in latere sub ala ad septem.          | 5 51 58 | 25 30 4     |
| Declinior earum ad meridiem                                     | 5 52 8  | 25 0 4      |
| Declinior earum q sunt in genu dextro ad septem.                | 5 46 8  | 35 0 3      |
| Declinior duarum ad meridiem                                    | 5 45 38 | 34 30 5     |
| Antecedens duarum propinquarum q sunt in pectore                | 5 43 18 | 29 0 4      |
| Sequens earum                                                   | 5 44 8  | 29 30 4     |
| Precedens duarum propinquarum que sunt in collo;                | 5 45 58 | 18 0 3      |
| Sequens earum                                                   | 5 37 38 | 19 0 4      |
| Declinior duarum que sunt sup iugas ad meridiem;                | 5 38 28 | 15 0 5      |
| Declinior earum ad septem.                                      | 5 37 38 | 16 0 5      |
| Septem. duarum coniectarum que sunt in pectore                  | 5 26 28 | 16 50 3     |
| Declinior earum ad meridiem                                     | 5 25 8  | 16 0 4      |
| Que est in muscica                                              | 5 22 28 | 11 30 3     |
| Que est in cavilla dextra                                       | 5 40 48 | 41 10 4     |
| Que est super genu sinistrum                                    | 5 34 48 | 34 15 4     |
| Que est in cavilla sinistra                                     | 5 29 28 | 36 30 4     |
| (Stellatio Andromache id est mulieris catbenate 23.             |         |             |
| Que est inter duas spatulas                                     | 0 12 28 | 24 30 3     |
| Que est in spatula dextra                                       | 0 13 28 | 27 0 4      |
| Que est in spatula sinistra                                     | 0 11 28 | 23 0 4      |
| Meridiana trium que est super adiutorium dextrum                | 0 10 48 | 32 0 4      |
| Septentrionalis earum                                           | 0 11 48 | 33 30 4     |
| Media trium                                                     | 0 12 8  | 32 20 5     |
| Meridionalis trium q sunt sup extremitate spatule dex.          | 0 6 48  | 41 0 4      |
| Media earum                                                     | 0 7 48  | 42 0 4      |
| Septentrionalis trium                                           | 0 9 18  | 44 0 4      |

**Longitudo et latitudo ac magnitudo stellarum fixarum.** **Longi.** **Latit.** **mag.**

|                                                             | ° | '  | "  | ° | '  | "  |   |
|-------------------------------------------------------------|---|----|----|---|----|----|---|
| Que est super adiutorium sinistrum                          | 0 | 11 | 18 | S | 17 | 30 | 4 |
| Que est super cubitum sinistrum                             | 0 | 12 | 48 |   | 16 | 50 | 3 |
| Meridionalis trium que est super mirat                      | 0 | 10 | 58 |   | 26 | 20 | 3 |
| Media earum                                                 | 0 | 18 | 58 |   | 30 | 0  | 3 |
| Septentrionalis trium                                       | 0 | 19 | 8  |   | 34 | 30 | 3 |
| Que est super pedem sinistrum: et est alamac                | 0 | 33 | 58 |   | 23 | 0  | 3 |
| Que est in pede dextro                                      | 0 | 54 | 18 |   | 37 | 20 | 4 |
| Que est declinior: hac ad meridiem. (sinistro ad septem.)   | 0 | 32 | 18 | S | 35 | 40 | 4 |
| Declinior earum que sunt super occulta parte inferiori genu | 0 | 29 | 28 |   | 29 | 0  | 4 |
| Declinior eorum ad meridiem                                 | 0 | 29 | 8  |   | 28 | 0  | 4 |
| Que est super genu dext                                     | 0 | 29 | 18 |   | 35 | 30 | 4 |
| Septentrionalis duarum que sunt super extremitate adhibil   | 0 | 29 | 48 |   | 34 | 30 | 5 |
| Declinior earum ad meridiem                                 | 0 | 31 | 18 |   | 32 | 30 | 5 |
| Egrediens precedens tres que sunt in palma dextra           | 0 | 18 | 48 | S | 44 | 0  | 3 |

**(Stellatio trianguli. 4.**

|                                            |   |    |    |   |    |    |   |
|--------------------------------------------|---|----|----|---|----|----|---|
| Que est super caput trianguli              | 0 | 18 | 8  | S | 16 | 30 | 3 |
| Antecedens trium que sunt super basim eius | 0 | 33 | 8  |   | 20 | 40 | 3 |
| Media earum                                | 0 | 33 | 18 |   | 19 | 40 | 4 |
| Sequens trium                              | 0 | 33 | 58 | S | 19 | 0  | 3 |

**(Omnes ergo stelle que sunt in parte septentrionali sunt 360. quarum in magnitudine prima sunt. 3. in secunda 18. in tertia 8. in quarta 177. in quinta 58. in sexta 13. et nebulosis. 1. et occultis. 9.**

**(Stellationes in cingulo orbis signorum: siue in zodiaco.**

**Stellatio. Arietis 18.**

|                                                           |   |    |    |   |   |    |   |
|-----------------------------------------------------------|---|----|----|---|---|----|---|
| Antecedens duarum que sunt in cornu arietis               | 0 | 23 | 48 | S | 7 | 20 | 3 |
| Sequens earum                                             | 0 | 24 | 48 |   | 8 | 20 | 3 |
| Declinior earum que sunt super muscidam. I. os ad septem. | 0 | 28 | 8  |   | 7 | 40 | 5 |
| Declinior earum ad meridiem                               | 0 | 28 | 38 |   | 6 | 0  | 5 |
| Que est super collum                                      | 0 | 23 | 38 |   | 5 | 30 | 5 |
| Que est supra dorsum                                      | 0 | 34 | 38 |   | 6 | 0  | 6 |
| Que est in radice caude                                   | 0 | 38 | 28 |   | 4 | 50 | 5 |
| Antecedens trium que sunt in cauda                        | 0 | 40 | 58 |   | 1 | 40 | 4 |
| Media trium                                               | 0 | 42 | 28 | S | 2 | 30 | 4 |
| Sequens earum                                             | 0 | 44 | 8  | m | 1 | 50 | 4 |
| Que est in postremo coxe                                  | 0 | 36 | 48 |   | 1 | 20 | 5 |
| Que est in medio coxe in ventre eius                      | 0 | 35 | 8  |   | 1 | 30 | 5 |
| Que est super extremitate posterioris pedis               | 0 | 32 | 8  | m | 5 | 15 | 4 |

**(Stelle que sunt circa arietem: et non sunt in forma.**

|                                                                    |   |    |    |  |    |   |   |
|--------------------------------------------------------------------|---|----|----|--|----|---|---|
| Que est super caput: et ea quam dixit abrachis esse super muscidam | 0 | 27 | 48 |  | 10 | 0 | 3 |
|--------------------------------------------------------------------|---|----|----|--|----|---|---|

|                                                     | Longitudo latitudo z magnitudo stellaru fixaru | Logi. |    |   | Lat. z Sag. |    |    |
|-----------------------------------------------------|------------------------------------------------|-------|----|---|-------------|----|----|
|                                                     |                                                | °     | '  | " | °           | '  | "  |
| Lucida sequens ex quattuor q sunt supra dorsum      |                                                | 038   | 48 | S | 10          | 20 | 41 |
| Declinior trium reliquaru occurraru ad septentrione |                                                | 038   | 18 |   | 12          | 40 | 51 |
| Media trium                                         |                                                | 036   | 48 |   | 10          | 40 | 51 |
| Meridionalis earum                                  |                                                | 036   | 18 | S | 10          | 40 | 51 |

Stellatio Tauri .33.

|                                                                              |     |    |    |    |    |    |    |
|------------------------------------------------------------------------------|-----|----|----|----|----|----|----|
| Septi quattuor que sunt in loco sectionis                                    | 043 | 28 | m  | 6  | 0  | 41 |    |
| Que est post illam                                                           | 043 | 8  |    | 7  | 15 | 41 |    |
| Que est post istam etiam                                                     | 041 | 48 |    | 8  | 30 | 41 |    |
| Longior quattuor in meridie                                                  | 041 | 38 |    | 9  | 15 | 41 |    |
| Sequens hanc: et est sup spatula dextra                                      | 046 | 48 |    | 9  | 30 | 51 |    |
| Que est in pectore                                                           | 050 | 48 |    | 8  | 0  | 31 |    |
| Que est sup genu dextru                                                      | 053 | 48 |    | 12 | 40 | 41 |    |
| Que est super cauillam dextram                                               | 050 | 8  |    | 14 | 50 | 41 |    |
| Que est super genu sinistrum                                                 | 059 | 18 |    | 10 | 0  | 41 |    |
| Que est supra brachiū sinistrum                                              | 1   | 0  | 8  | 13 | 30 | 41 |    |
| Que sunt supra narē earū q sunt i facie: et sunt stelle Al-                  | 056 | 8  | m  | 5  | 45 | 31 |    |
| et Que est inter hac et oculū septi. (debaran                                | 057 | 28 |    | 4  | 45 | 31 |    |
| Que est inter hanc et oculū meridionalem                                     | 057 | 58 |    | 5  | 50 | 31 |    |
| Lucida q trahit ad aerē clarū valde: et ex forma qnta: et cerea: et dē Alde- | 059 | 48 |    | 5  | 10 | 1* |    |
| baran. i. oculus vel cor Tauri                                               | 058 | 58 |    | 3  | 0  | 31 |    |
| Reliqua que est supra oculū septentrionalem                                  | 1   | 4  | 18 | 4  | 0  | 41 |    |
| Que ē sup origine cornu et aurē meridianor                                   | 1   | 7  | 28 | 5  | 0  | 41 |    |
| Declinior duarū q sunt sup cornu merid. ad meridiē                           | 1   | 7  | 8  | 3  | 30 | 51 |    |
| Declinior earum ad septi.                                                    | 1   | 14 | 18 | m  | 2  | 30 | 31 |
| Que est super extremitatē cornu meridiani                                    | 1   | 2  | 48 | S  | 4  | 0  | 41 |
| Que est sup radicē cornu septi.                                              | 1   | 12 | 48 |    | 5  | 0  | 31 |
| Que est sup extremitatē cornu septi. et ea q est sup pedem dextrum tenen-    | 059 | 8  |    | 4  | 10 | 51 |    |
| tis habenas                                                                  | 058 | 48 | S  | 4  | 0  | 51 |    |
| Septi. duarū pūctarū q sunt in aure septi.                                   | 054 | 8  | m  | 0  | 40 | 51 |    |
| Declinior earū ad meridiē                                                    | 056 | 8  | S  | 1  | 0  | 61 |    |
| Antecedēs duarū paruarū que sunt in genu                                     | 055 | 8  |    | 5  | 0  | 51 |    |
| Sequens earum (in c. llo ad meridiē                                          | 055 | 58 |    | 7  | 10 | 51 |    |
| Declinior earū q sunt i latere antecede te qdrilateri                        | 059 | 8  |    | 3  | 0  | 51 |    |
| Declinior duarū q sunt in latere antecede te ad septi.                       | 058 | 48 |    | 5  | 0  | 51 |    |
| Declinior duarū q sunt in latere sequē te ad meridiē                         | 049 | 18 |    | 4  | 30 | 51 |    |
| Declinior duarū q sunt in latere sequē te ad septi.                          | 049 | 38 |    | 4  | 40 | 51 |    |
| Extremitas septentrional lateris antecede ti pliadū                          | 050 | 48 | S  | 5  | 20 | 51 |    |
| Extremitas declinior ad meridiē lateri antecede ti                           |     |    |    |    |    |    |    |
| Extremitas sequēs pliadū: et est strictior loc <sup>o</sup> in eis           |     |    |    |    |    |    |    |

23-48

335  
23-48  
338

Longitudo et latitudo ac magnitudo stellarum fixarum

33 11 8 Egre diens minor pliadum a parte septentrionis  
Que sunt circa Taurum: et non sunt in forma .10.

|                                                       | Longi.    | Lat.   | Magn. |
|-------------------------------------------------------|-----------|--------|-------|
| Que est sub pede dextro et spatula                    | 0 42 8 S  | 17 30  | 4     |
| Antecedens trium que sunt subter cornu meridianu      | 1 7 8     | 2 0 5  |       |
| Media trium                                           | 1 12 2    | 1 45 5 |       |
| Sequens earum                                         | 1 13 8    | 2 0 5  |       |
| Declinior duarum que sunt sub extremitate cornu meri. | 1 16 8 S  | 6 20 5 |       |
| Declinior earum ad meridiem (diant ad sept.)          | 1 16 8 S  | 7 40 5 |       |
| Ant. cedens quique sequenti que sunt sub cornu septi. | 1 14 8    | 2 40 5 |       |
| Sequens hanc                                          | 1 16 8    | 1 0 5  |       |
| Sequens hanc etiam                                    | 1 15 8    | 1 20 5 |       |
| Declinior duarum reliquarum sequenti ad septi.        | 1 19 28   | 3 20 5 |       |
| Declinior earum ad meridiem                           | 1 20 28 S | 1 15 5 |       |

Stellatio Geminarum .19.

|                                                                                          |           |         |         |
|------------------------------------------------------------------------------------------|-----------|---------|---------|
| 30 3 2 Que est super caput gemini antecedentis                                           | 1 40 18 S | 9 40    | 2 1/2 * |
| 3 2 2 Que trahit ad aere: est ea que est super caput geminorum, et est cerea: et dicitur |           |         |         |
| Rafalgense                                                                               | 1 43 48   | 6 19    | 2 1/2 * |
| Que est super brachium sinistrum gemini antecedentis                                     | 1 33 48   | 10 0 4  |         |
| Que est in adiutorio huius lateris                                                       | 1 35 48   | 7 20 4  |         |
| Sequens earum est in eo quod est inter duas spatulas                                     | 1 39 8    | 5 30 4  |         |
| Sequens hac: et est super spatula dextre huius gemini                                    | 1 41 8    | 4 50 4  |         |
| Que est super spatulam sequentem gemini sequentis                                        | 1 43 48 S | 2 40 4  |         |
| Que est super latus dextrum gemini antecedentis                                          | 1 38 48   | 2 40 5  |         |
| Que est super latus sinistrum gemini sequentis                                           | 1 40 18   | 3 0 4   |         |
| 2 6 5 Que est super sinistrum genu gemini antecedentis                                   | 1 40 8    | 1 30 3  |         |
| Que est in clune sinistra gemini sequentis                                               | 1 38 48   | 5 30 3  |         |
| 2 2 2 Que est super genu sinistrum gemini sequentis                                      | 1 35 18 S | 2 30 3  |         |
| 2 9 2 Que est in ventre corpe dextre apud genu huius gemi                                | 1 38 28 m | 6 0 3   |         |
| Que est super anteriorem partem pedis gemini antecedentis                                | 1 23 38   | 1 30 4  |         |
| Sequens hanc super hunc pedem                                                            | 1 25 18   | 1 15 4  |         |
| 2 2 2 Que est super extremitatem pedis dextri gemini antecedentis                        | 1 27 18 m | 3 30 4  |         |
| Que est super extremitatem pedis sinistri gemini sequentis                               | 1 26 8    | 7 30 3  |         |
| Que est super extremitatem pedis dextri gemini sequentis                                 | 1 31 48 m | 10 30 4 |         |
| Que sunt circa geminos: et non sunt in forma                                             | 7         |         |         |
| 2 2 2 Huius id quod est anteriori parte pedis gemini antecedentis                        | 1 21 18 m | 0 40 4  |         |
| Lucida antecedens gemini precedentis                                                     | 1 23 38 S | 5 50 4  |         |
| Antecedens genu sinistrum gemini sequentis                                               | 1 32 18 m | 2 15 5  |         |
| Septi. tria que sunt super lineam rectam sequentes manum                                 | 1 45 28   | 1 20 5  |         |
| Media trium (dextra gemini sequentis)                                                    | 1 43 28 m | 3 20 5  |         |

| Longitudo et latitudo ac magnitudo stellarum fixarum                                   | Logi.       | Lat. ad Sag. |
|----------------------------------------------------------------------------------------|-------------|--------------|
|                                                                                        | 8   5   m   | 5   m        |
| Meridionalis earum: et est ex eis que sunt apud brachium dextrum gemi /<br>nisequentis | 1   43   8  | 4   20   5   |
| Lucida prece: denstres quarum premissa est relatio                                     | 1   52   48 | 1   40   4   |

(C) Stellatio Lancr .9.

|                                                        |             |             |
|--------------------------------------------------------|-------------|-------------|
| Media implicant ebulo q̄ ē in pectore: et dī p̄sepe    | 1   57   28 | 0   40   ne |
| Sept. duarū antedētiū q̄ drilateri q̄ ē circa nebulosā | 1   54   48 | 1   15   4  |
| Meridionalis duarum precedentium                       | 1   55   8  | 1   10   4  |
| Sept. duarū sequentiū q̄ drilateri q̄ dicunt duo asini | 1   57   28 | 1   40   4  |
| Declinior harum duarum ad meridiem                     | 1   53   28 | 0   10   4  |
| Que est super labium meridianū                         | 2   3   38  | 5   30   4  |
| Que est super labium septentrionale                    | 1   55   28 | 11   50   4 |
| Que est in postremo pedis septentrionalis              | 1   49   48 | 1   0   5   |
| Que est in postremo pedis meridiani                    | 1   54   18 | 7   30   4  |

Stelle que sunt circa Lancr: et nō sunt in forma. .4.

|                                                  |            |            |
|--------------------------------------------------|------------|------------|
| Que est super flexuositate labij meridiani       | 2   6   48 | 1   20   4 |
| Sequens extremitate labij meridiani              | 2   8   18 | 5   40   4 |
| Antecedens duarū reliquarū q̄ sunt sup nebulosam | 2   1   8  | 4   50   5 |
| Sequens earum                                    | 2   4   8  | 7   15   5 |

(C) Stellatio Leonis .27.

|                                                                     |             |              |
|---------------------------------------------------------------------|-------------|--------------|
| Que est sup extremitate naris                                       | 2   5   28  | 10   0   4   |
| Que est in apertione oris                                           | 2   8   18  | 7   30   4   |
| Septentrionalis duarum que sunt in capite                           | 2   11   28 | 12   0   3   |
| Meridionalis earum                                                  | 2   11   18 | 9   30   3   |
| Septentrionalis trium que sunt in ceruice                           | 2   17   18 | 11   0   3   |
| Sequens: et est media trium                                         | 2   19   18 | 8   30   2 * |
| Meridionalis earum                                                  | 2   17   48 | 4   30   2   |
| Que est super cor: et dicit Rex                                     | 2   19   38 | 0   10   1 * |
| Que ē declinior: ab ea ad mer. et ē quasi sit sup pect <sup>o</sup> | 2   20   38 | 1   50   4   |
| Antecedens parum eam que est super cor                              | 2   17   8  | 0   15   5   |
| Que est sup genu dextrum                                            | 2   14   28 | 0   0   5    |
| Que est sup palmā precedentē dextram                                | 2   11   18 | 3   40   6   |
| Que est super palmā precedentē sinistram                            | 2   26   18 | 4   10   4   |
| Que est super genu sinistram                                        | 2   19   38 | 4   14   4   |
| Que est super asellam sinistram                                     | 2   26   18 | 0   10   4   |
| Antecedens trium que sunt in ventre                                 | 2   24   8  | 4   0   6    |
| Septentrionalis duarum reliqua um sequentium                        | 2   30   8  | 5   20   6   |
| Declinior: earum ad meridiem                                        | 2   19   28 | 1   20   6   |
| Antecedens duarum que sunt in dorso. Q. 2 pag. Q.                   | 2   28   28 | 12   15   5  |

Longitudo latitudo et magnitudo stellarum fixarum. Regi. Lat. et Sag.

|     |                                                           | Regi.  | Lat.  | Sag. |
|-----|-----------------------------------------------------------|--------|-------|------|
| 47  | ♀ Sequens earum                                           | 213118 | 51340 | 2*   |
| 2p  | ♂ Declinior duarū q̄ sunt in pipide vñ vertebre ad sep.   | 213128 | 1130  | 51   |
|     | Declinior earum ad meridiem                               | 213328 | 940   | 31   |
| 49  | ♀ Que est in postremo coxe                                | 213728 | 5150  | 31   |
|     | Que est in ventre coxe                                    | 213848 | 1115  | 41   |
|     | Que ē declinior hac ad merid. et q̄ sit sub brachio       | 213848 | 050   | 41   |
| h   | ♀ Que est in extremitate postreme palme                   | 213748 | 30    | 51   |
| 50  | 2p ♂ Que est sup extremitat. caude: et dī Denebalezetb    | 214138 | 1150  | 1*   |
|     | Stelle q̄ sunt circa leonē: et nō sunt in forma.          | 8      |       |      |
|     | Antecedens duarū q̄ sunt sup dorsum                       | 21238  | 51320 | 51   |
|     | Sequens earum                                             | 212518 | 1530  | 51   |
|     | Septentrionalis triū que sunt in inferiorib⁹ vētris       | 213338 | 1110  | 41   |
|     | Media earum                                               | 213418 | 030   | 51   |
|     | Merid. duarū (caudas leonis et vñ: et dī Erica            | 21368  | 140   | 51   |
|     | Lat⁹ septi. simplicitat⁹ nebuloſe q̄ ē i eo qd ē inf duas | 214158 | 530   | one  |
|     | Antecedens duarū meridionarū Erica (lubi.                 | 214138 | 2500  |      |
|     | Sequens earū: et i figura filis rose fufus: et ē spēs vō. | 214538 | 2530  | 00   |
|     | Stellatio Virginis .26.                                   |        |       |      |
| ♀   | Meridional duarū q̄ sunt in extremitate orbis capitis     | 214328 | 435   | 51   |
|     | Septentrionalis earum                                     | 21448  | 540   | 51   |
|     | Septentrionalis duarum sequentiū eas in facie             | 214748 | 80    | 51   |
|     | Declinior earum ad meridiem                               | 214718 | 530   | 51   |
| 52  | ♀ Que est sup extremitatē ale sinistre meridiene          | 21468  | 60    | 31   |
| 54  | ♂ Antecedens quattuor que sunt in ala sinistra            | 215528 | 110   | 31   |
| 55  | ♀ Sequens hanc                                            | 3018   | 250   | 31   |
|     | Sequens hanc etiam                                        | 3418   | 250   | 51   |
|     | Postrema sequens harum quattuor                           | 388    | 140   | 41   |
|     | Que est sup latus dextrum sub cingulo                     | 31128  | 830   | 31   |
|     | Antecedens triū q̄ sunt in latere dextra septentrionali   | 215518 | 1350  | 61   |
| ♂   | Meridiani duarum reliquarum                               | 215718 | 1140  | 61   |
| ♀   | Septentrional earū: et dicī pcedēs vindemiatorē           | 215918 | 1510  | 31   |
| 47h | ♀ Que est palmā sinistrā: et ē iernis asimec: et dī Spica | 31348  | 20    | 1*   |
|     | Que est sub cingulo et in sumitate manus dextre           | 31158  | 840   | 31   |
|     | Sept. late. i antecedē: q̄ drilateri qd ē i cora sinistra | 31328  | 210   | 51   |
|     | Meridionalis lateris antecedentis                         | 3148   | 020   | 61   |
|     | Declinior duarū q̄ sunt in latere sequēte ad septi.       | 3178   | 130   | 51   |
|     | Declinior earum ad meridiē lateris sequētis               | 3158   | 020   | 51   |
|     | Que est super genu sinistrum                              | 31848  | 130   | 41   |



**C** Longitudo et latitudo ac magnitudo stellarum fixarū | Lōg. | | Lat. Mag.

Que est super postremū coxe dextre | 3 15 8 S | 8 30 5 |

Media trium que est in afino | 3 23 48 | 7 30 4 |

Media earum | 3 24 28 | 2 40 4 |

Septentrionalis trium | 3 25 28 | 11 40 4 |

Que est supra pedē sinistrum meridianū | 3 27 8 | 0 30 4 |

Que est supra pedē septentrionalem | 3 29 48 S | 9 50 4 |

Stelle q̄ sunt circa Virginē: et nō sunt in forma. .9.

Antecedens triū que sunt in linea recta sub brachio | 3 1 48 m | 3 30 5 |

Media earum | 3 6 8 | 3 30 5 |

Sequens triū | 3 9 23 | 3 20 5 |

His triū q̄ sunt sup lineā rectā sub azimech inermi | 3 14 18 | 7 20 6 |

Media earum: et est duplex | 3 15 18 | 8 20 5 |

Sequens triū | 3 17 8 m | 7 50 6 |

**C** Stellatio Libre .8.

Luminosior duarū q̄ ē ē extrēitatē lancis meridional | 3 35 8 S | 0 40 2 |

Declinior duarū ad sept. et est occultior earum | 3 34 8 | 2 30 5 |

Luminosior duarū q̄ sūt sup ext. citatē lancis sept. | 3 39 18 | 8 30 2 |

Antecedens earum: et est luminosior eis | 3 34 48 | 8 30 5 |

Que est in medio lancis meridionalis | 3 41 8 | 1 40 4 |

Antecedens hanc: et est super hanc lancem | 3 38 28 | 1 15 4 |

Que est in medio lancis septentrionalis | 3 44 38 | 3 45 4 |

Sequens hanc super hanc lancem | 3 50 8 S | 4 30 4 |

Ex eis que circūdant lib: et nō habent formā .9.

Antecedens triū q̄ sunt declives ad sept. a lāce sept. | 3 43 18 S | 9 0 5 |

Meridionalis duarum sequentium | 3 50 48 | 6 40 4 |

Sequens earum | 3 51 28 | 9 15 4 |

Sequens triū q̄ sunt in eo qd̄ est inter duas lances | 3 49 38 | 5 30 6 |

Septentrionalis duarum reliquarū antecedentiū | 3 47 18 S | 2 0 4 |

Meridionalis earum | 3 48 18 m | 1 30 5 |

His triū q̄ sūt decliviores ad meridiē a lāce merid. | 3 40 8 | 7 10 4 |

Declinior duarum reliquarū ad septentrionē | 3 48 18 | 8 30 3 |

Declinior earum ad meridiē | 3 49 8 m | 9 40 4 |

**C** Stellatio Scorpi .14.

Septentrionalis triū lucidarū q̄ sunt in fronte | 3 53 28 S | 1 20 5 |

Media earum | 3 52 48 m | 5 0 3 |

Declinior triū ad meridiē et est sup vnū duorū pedū | 3 52 48 | 1 40 3 |

Que est declinior hac ad meridiē | 3 53 8 m | 7 50 3 |

Sept. duarū vicinarū lōgiz lucidarū in sept. | 3 54 28 S | 1 40 4 |

| Longitudo et latitudo ac magnitudo stellarum fixarum.                                            |  | Long.    | Lat.  | mag. |
|--------------------------------------------------------------------------------------------------|--|----------|-------|------|
| Nature                                                                                           |  | g. g. m. | g. m. |      |
| h. q. Meridionalis earum                                                                         |  | 3 54 28  | 0 30  | 4    |
| 69 Antecedens trium lucidarum que sunt in corpore                                                |  | 3 57 48  | 3 45  | 3    |
| 70 Media trium que tendit ad rapinam: et est cor scorpionis: et dicitur La. *                    |  | 3 59 48  | 4 0   | 2    |
| 71 Sequens trium                                                                                 |  | 4 1 38   | 5 30  | 3    |
| Antecedens duarum que sunt inferiores istis: et sunt quasi sint super pedem postremum            |  | 3 56 28  | 6 10  | 5    |
| Sequens earum                                                                                    |  | 3 57 38  | 6 40  | 5    |
| ♀ Que est in spondili prima corporis                                                             |  | 4 5 38   | 11 0  | 3    |
| Que est post istam in spondili secunda                                                           |  | 4 5 8    | 15 0  | 4    |
| Septentrionalis duplicis que est in spondili tertia                                              |  | 4 7 8    | 18 40 | 4    |
| Meridionalis duplicis                                                                            |  | 4 7 18   | 18 0  | 4    |
| ♂ Que sequitur hanc in spondili quarta                                                           |  | 4 10 18  | 19 30 | 3    |
| Que est post istam in spondili quinta                                                            |  | 4 15 18  | 18 50 | 3    |
| Que sequitur eam in spondili sexta                                                               |  | 4 17 38  | 16 40 | 3    |
| h. Que est in spondili septima propinqua spine                                                   |  | 4 16 8   | 15 10 | 3    |
| 76 ♂ et Sequens duarum que sunt in spina                                                         |  | 4 14 38  | 13 20 | 3    |
| ♀ Antecedens duarum                                                                              |  | 4 14 8   | 13 30 | 4    |
| C Stelle que sunt circa Scorpione: et non sunt in forma.                                         |  |          |       |      |
| nebulosa sequens spinam                                                                          |  | 4 18 18  | 13 15 | ne   |
| ♂ Antecedens duarum septentrionalium a spina                                                     |  | 4 12 38  | 6 10  | 5    |
| Sequens earum                                                                                    |  | 4 16 38  | 4 10  | 5    |
| C Stellatio Sagittarii.                                                                          |  |          |       |      |
| 77 Que est super bastulam sagitte: et sub isto quidam volunt esse vexillum sub ventre sagittarii |  | 4 21 38  | 6 30  | 3    |
| 78 ♂ Que est in manubrio manus sinistre                                                          |  | 4 24 48  | 6 30  | 3    |
| Que est in latere meridiano ab arcu                                                              |  | 4 25 8   | 10 50 | 3    |
| 79 Decliv. duarum que sunt in latere sept. ab arcu ad meridiem                                   |  | 4 26 8   | 11 30 | 3    |
| Declivice earum ad sept. et est super extremitate arcus                                          |  | 4 23 48  | 15 0  | 4    |
| Que est super spatulam sinistram                                                                 |  | 4 32 28  | 3 50  | 4    |
| Antecedens hanc: et est super sagittam                                                           |  | 4 30 8   | 3 50  | 4    |
| ♂ Nebulosa duplex que est super oculum                                                           |  | 4 32 18  | 0 45  | ne   |
| Antecedens trium que sunt in capite                                                              |  | 4 32 48  | 2 10  | 4    |
| Media earum                                                                                      |  | 4 34 48  | 1 30  | 4    |
| Sequens trium                                                                                    |  | 4 36 18  | 2 0   | 4    |
| 78 Meridionalis trium que sunt in statu septentrionali                                           |  | 4 38 28  | 2 50  | 5    |
| Media earum                                                                                      |  | 4 39 28  | 4 30  | 4    |
| Septentrionalis trium                                                                            |  | 4 39 58  | 6 30  | 4    |
| ♂ Occulta sequens has tres                                                                       |  | 4 42 48  | 5 30  | 6    |

| Longitudo & latitudo ac magnitudo stellarum fixarum |                                                                     | Longi.     | Latit.      | Magn. |
|-----------------------------------------------------|---------------------------------------------------------------------|------------|-------------|-------|
| Nature                                              |                                                                     | °   '   '' | °   '   ''  |       |
| ♌                                                   | Septentrionalis trium que sunt sup contactum meridianum             | 446   38   | 5   30   5  |       |
| ♌                                                   | Declinior earum ad meridiem                                         | 444   48   | 2   0   6   |       |
|                                                     | Que est super spatulam dextram                                      | 439   28   | 1   50   5  |       |
|                                                     | Que est super cubitum dextrum                                       | 441   58   | 2   50   5  |       |
|                                                     | Que est inter duas spatulas trium que sunt in dorso                 | 437   8    | 2   30   5  |       |
|                                                     | Media earum que est super spatulam                                  | 434   48   | 2   30   4  |       |
|                                                     | Reliqua: & est sub asella                                           | 433   28   | 6   45   3  |       |
| ♏                                                   | Que est sup cauilam sinistra sup antecedens ipsius                  | 434   48   | 23   0   2  |       |
| ♏                                                   | Que est super hunc pedem                                            | 434   8    | 18   0   2  |       |
|                                                     | Que est super antecedentem cauille dextre                           | 423   48   | 13   0   3  |       |
|                                                     | Que est super spatulam sinistram                                    | 444   28   | 13   30   3 |       |
| ♏                                                   | Que est in postremo brachy dextri                                   | 443   48   | 20   10   3 |       |
| ♏                                                   | Antecedens lateris septentrionalis quatuor que sunt in radice caude | 445   58   | 4   50   5  |       |
| ♏                                                   | Sequens lateris septentrionalis                                     | 445   48   | 4   50   5  |       |
| ♏                                                   | Antecedens lateris meridionalis                                     | 445   38   | 5   50   5  |       |
| ♏                                                   | Sequens lateris meridionalis                                        | 446   48   | 6   30   5  |       |
| Stellatio Capricorni .28.                           |                                                                     |            |             |       |
| ♐                                                   | Septentrionalis trium que sunt in cornu sequente                    | 454   28   | 3   20   3  |       |
|                                                     | Media earum                                                         | 454   48   | 6   20   6  |       |
| ♐                                                   | Meridionalis trium                                                  | 454   28   | 5   0   3   |       |
|                                                     | Illa que est sup extremitate cornu antecedentis                     | 456   8    | 8   0   6   |       |
|                                                     | Meridionalis trium que sunt in muscida                              | 456   8    | 0   45   6  |       |
| ♐                                                   | Antecedens duarum eliquarum                                         | 455   48   | 1   45   6  |       |
|                                                     | Sequens earum                                                       | 455   58   | 1   30   6  |       |
| ♐                                                   | Antecedens trium que sunt sub oculo dextro                          | 454   18   | 0   40   5  |       |
|                                                     | Declinior duarum que sunt in cruce ad septentrionalis               | 458   48   | 4   50   6  |       |
|                                                     | Declinior earum ad meridiem                                         | 458   58   | 0   50   5  |       |
|                                                     | Que est sub genu dextro                                             | 457   58   | 6   30   6  |       |
|                                                     | Que est sub genu sinistro curuato                                   | 458   48   | 8   40   4  |       |
| ♐                                                   | Que est sub patula sinistra                                         | 5   348    | 7   40   4  |       |
|                                                     | Antecedens duarum coniunctarum                                      | 5   718    | 6   50   4  |       |
|                                                     | Sequens earum                                                       | 5   728    | 6   0   5   |       |
|                                                     | Sequens trium                                                       | 5   548    | 4   25   5  |       |
|                                                     | Meridionalis duarum reliquarum antecedenti                          | 5   348    | 4   0   5   |       |
|                                                     | Septentrionalis earum                                               | 5   343    | 2   50   5  |       |
|                                                     | Antecedens duarum que sunt in dorso                                 | 5   348    | 0   0   4   |       |
| ♐                                                   | Sequens earum                                                       | 5   8   8  | 0   50   4  |       |

| Longitudo et latitudo ac magnitudo stellarum fixarum |                                                                       | Logi.   | Latitudo | Mag. |
|------------------------------------------------------|-----------------------------------------------------------------------|---------|----------|------|
|                                                      |                                                                       | 5 5 m   | 5 m      |      |
| I                                                    | Antecedens duarum que sunt in spina meridionali                       | 5 10 28 | S 4 45   | 4    |
| II                                                   | Sequens earum                                                         | 5 12 8  | 4 30     | 4    |
| 74                                                   | Antecedens duarum que sunt in radice caude: et dicitur (Denebalchedi) | 5 11 58 | 2 10     | 3 *  |
| 75                                                   | Sequens earum                                                         | 5 13 28 | 2 0      | 3    |
|                                                      | Antecedens quatuor que sunt super latitudinem septentrionale caude    | 5 13 58 | 2 20     | 4    |
|                                                      | Meridionalis trium reliquarum                                         | 5 15 48 | 5 0      | 5    |
|                                                      | Media earum                                                           | 5 14 48 | 2 50     | 5    |
| h                                                    | Septentrionalis earum: et est super extremitate caude                 | 5 15 48 | S 4 20   | 5    |
| (Stellatio Aquarii .42.)                             |                                                                       |         |          |      |
| h                                                    | Que est super caput aquarii                                           | 5 17 28 | S 15 45  | 5    |
|                                                      | Luminosior duarum que sunt in spatula dextra                          | 5 23 28 | 11 0     | 3    |
|                                                      | Occultior ea que est sub ea: et est minus ea luminosa                 | 5 22 18 | 9 40     | 5    |
|                                                      | Que est in spatula sinistra                                           | 5 13 38 | 8 50     | 2    |
|                                                      | Que est sub ea in dorso quasi sit sub afella                          | 5 14 28 | 6 15     | 5    |
| 89                                                   | Sequens trium que sunt in manu sinistra supra pannum                  | 5 4 48  | 5 30     | 3    |
|                                                      | Media earum                                                           | 5 3 18  | 8 0      | 4    |
| 9                                                    | Antecedens harum trium                                                | 5 1 48  | S 8 40   | 3    |
|                                                      | Que est in brachio dextro                                             | 5 26 38 | 8 45     | 3    |
|                                                      | Septentrionalis trium que sunt super extremitate manus                | 5 26 48 | 10 45    | 3    |
|                                                      | Antecedens duarum reliquarum meridionalium                            | 5 29 8  | 9 0      | 3    |
|                                                      | Sequens earum                                                         | 5 30 28 | 8 30     | 3    |
|                                                      | His duarum iunctarum que sunt in pice spatule dextre                  | 5 23 18 | 3 0      | 4    |
|                                                      | Sequens earum                                                         | 5 24 8  | S 3 10   | 5    |
|                                                      | Que est in ancha dextra seu vertebro dextro                           | 5 25 48 | m 0 50   | 4    |
|                                                      | Declinior duarum que sunt in ancha sinistra ad meridiem               | 5 19 48 | m 1 40   | 4    |
|                                                      | Declinior earum ad septentrionem                                      | 5 20 18 | S 4 0    | 6    |
| 92                                                   | Declinior duarum que sunt in crure dextro ad meridiem                 | 5 28 48 | m 7 30   | 3    |
|                                                      | Declinior earum ad septem. in inferiori ventris coxe                  | 5 28 28 | 1 5 0    | 4    |
|                                                      | Que est in postremo coxe sinistre                                     | 5 24 48 | 5 40     | 5    |
|                                                      | Declinior duarum que sunt in coxa sinistra ad meridiem                | 5 24 48 | m 10 0   | 5    |
| h                                                    | Declinior earum ad septentrionem: et est sub genu                     | 5 25 58 | S 9 0    | 5    |
| h                                                    | Prima stellarum que sunt apud fusionem aque (latio)                   | 5 31 8  | S 2 0    | 4    |
|                                                      | Que sequitur ea: et est a parte meridiei ab ea cui precessit re.      | 5 31 58 | m 0 10   | 4    |
| 93                                                   | Que sequitur hanc post tortuositate euacuatis aque                    | 5 34 48 | 1 0      | 4    |
|                                                      | Sequens hanc etiam                                                    | 5 37 8  | 0 30     | 4    |
|                                                      | Que est in tortuositate aque meridiana ab hac                         | 5 37 28 | 10 40    | 4    |
| 7                                                    | Septentrionalis duarum que sunt a parte meridionali ab ea             | 5 36 8  | m 8 30   | 4    |

Longitudo latitudo et magnitudo stellarum fixarum Log. Lat. et Sag.

|       |                                                                                   | Log.    | Lat.    | Sag. |
|-------|-----------------------------------------------------------------------------------|---------|---------|------|
| h     | Declinior duarum ad meridiem                                                      | 5 36 38 | 4 10 4  |      |
|       | Sola longior earum ad meridiem                                                    | 5 39 3  | 8 15 5  |      |
|       | Antecedens duarum punctarum que sunt post eam                                     | 5 40 48 | 12 0 5  |      |
|       | Sequens earum                                                                     | 5 40 18 | 10 50 5 |      |
|       | Septentrionalis trium que sunt in tortuositate aque sequentis                     | 5 38 48 | 14 0 5  |      |
|       | Media trium (te eas)                                                              | 5 39 48 | 14 45 5 |      |
| 2     | Sequens trium                                                                     | 5 40 18 | 15 40 5 |      |
| partu | Sept. trium trium que sunt post istas secundum illud exemplum                     | 5 34 28 | 14 10 4 |      |
|       | Media earum                                                                       | 5 34 38 | 15 0 4  |      |
|       | Declinior trium ad meridiem                                                       | 5 35 28 | 15 45 4 |      |
|       | Antecedens trium que sunt in tortuositate reliqua                                 | 5 28 58 | 14 50 4 |      |
|       | Antecedens duarum reliquarum ad meridiem                                          | 5 29 48 | 15 20 4 |      |
| 7     | Declinior earum ad septentrionem                                                  | 5 30 18 | 14 0 4  |      |
| 90    | Postremum fusionis aque: et est super os piscis meridionalis: et dicitur fomabant | 5 17 8  | 12 13 0 | 1 *  |

Stelle que sunt circa aquarium: et non sunt in forma. 3.

|  |                                               |         |         |  |
|--|-----------------------------------------------|---------|---------|--|
|  | Antecedens trium sequentium tortuositate aque | 5 43 48 | 15 30 4 |  |
|  | Declinior duarum reliquarum ad sept.          | 5 46 48 | 14 20 4 |  |
|  | Declinior earum ad meridiem                   | 5 46 8  | 18 15 4 |  |

Stelle Piscium 34.

|       |                                                      |         |        |  |
|-------|------------------------------------------------------|---------|--------|--|
| 7     | Que est in ore piscis antecedentis                   | 5 38 48 | 9 15 4 |  |
| 8     | Declinior earum que sunt in vertice eius ad meridiem | 5 41 18 | 7 30 4 |  |
|       | Antecedens duarum que sunt in dorso                  | 5 45 18 | 9 30 4 |  |
|       | Declinior earum ad septentrionem                     | 5 43 8  | 9 20 4 |  |
| 12    | Sequens earum                                        | 5 47 48 | 7 30 4 |  |
|       | Antecedens duarum que sunt in ventre                 | 5 43 8  | 4 30 4 |  |
| h     | Sequens earum                                        | 5 46 48 | 2 30 4 |  |
| h     | Que est in cauda huius piscis                        | 5 54 8  | 6 20 4 |  |
|       | Prima stellarum que sunt in cauda                    | 5 58 8  | 5 45 6 |  |
|       | Sequens earum                                        | 0 0 8   | 2 45 6 |  |
|       | Antecedens trium lucidarum que sunt post eas         | 0 4 18  | 2 15 4 |  |
| 2     | Media earum                                          | 0 7 38  | 1 10 4 |  |
| 3     | Sequens trium                                        | 0 10 8  | 1 20 4 |  |
| partu | Sept. duarum paruarum que sunt sub eis in reflexione | 0 9 28  | 1 0 6  |  |
|       | Declinior earum ad meridiem                          | 0 10 8  | 5 0 6  |  |
|       | Antecedens trium que sunt post reflexionem           | 0 14 8  | 2 20 4 |  |
| 8     | Media earum                                          | 0 15 48 | 4 40 4 |  |

| Longitudo et latitudo ac magnitudo stellarum fixarum                                                                                                                                               |  | Long.   | Lat.  | Magn. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|-------|-------|
| Nature                                                                                                                                                                                             |  | °       | '     | '''   |
| Sequens trium                                                                                                                                                                                      |  | 0 17 48 | 7 45  | 4     |
| ¶ Que sunt super nodum duorum filorum                                                                                                                                                              |  | 0 19 38 | 8 30  | 3     |
| h Antecedens super nodum torcularis septentrionalis                                                                                                                                                |  | 0 17 38 | 5 20  | 4     |
| z Meridionalis trium continuarii que sunt post eam                                                                                                                                                 |  | 0 17 18 | 1 55  | 5     |
| ¶ Media earum                                                                                                                                                                                      |  | 0 17 28 | 0 20  | 3     |
| ¶ Septentrionalis trium: et est super extremitate caude                                                                                                                                            |  | 0 17 38 | 9 0   | 4     |
| Declinior duarum que sunt in ore piscis sequentis ad septem.                                                                                                                                       |  | 0 19 8  | 17 45 | 5     |
| Meridionalis earum                                                                                                                                                                                 |  | 0 18 48 | 21 40 | 5     |
| Sequens trium paruarum que sunt in capite                                                                                                                                                          |  | 0 15 48 | 20 0  | 6     |
| ¶ Media earum                                                                                                                                                                                      |  | 0 14 48 | 19 55 | 6     |
| Antecedens trium                                                                                                                                                                                   |  | 0 14 8  | 23 0  | 6     |
| ¶ Antecedens trium que sunt super spinam meridianam que est super dorsum post illam que est super cubitum mulieris: que notatur Andromeda                                                          |  | 0 12 48 | 14 20 | 4     |
| ¶ Media earum                                                                                                                                                                                      |  | 0 13 28 | 13 9  | 4     |
| Sequens istarum trium                                                                                                                                                                              |  | 0 14 48 | 12 0  | 4     |
| Declinior duarum que sunt in ventre ad septem.                                                                                                                                                     |  | 0 19 18 | 17 0  | 4     |
| Declinior earum ad meridiem                                                                                                                                                                        |  | 0 16 28 | 15 20 | 4     |
| ¶ Que est in spina sequente que est propinqua caude                                                                                                                                                |  | 0 17 8  | 11 45 | 4     |
| Que sunt in circuitu piscium: et non sunt in forma. 4.                                                                                                                                             |  |         |       |       |
| Antecedens duarum sequentium ad septentrionem quadrilateri quod est sub pisce antecedente                                                                                                          |  | 5 48 18 | 2 40  | 4     |
| Sequens earum                                                                                                                                                                                      |  | 5 49 23 | 2 30  | 4     |
| Antecedens lateris meridionalis                                                                                                                                                                    |  | 5 47 48 | 3 50  | 4     |
| Sequens lateris meridionalis                                                                                                                                                                       |  | 5 49 28 | 3 50  | 4     |
| ¶ Omnes stelle existentes in cingulo signorum sunt. 346. Quarum in magnitudine prima sunt. 5. et in secunda. 9. et in tertia. 64. In quarta. 133. In quinta. 105. In sexta. 27. Ex nebulosis tres. |  |         |       |       |
| ¶ Stellaciones formarum meridionalium.                                                                                                                                                             |  |         |       |       |
| ¶ Stellatio Leni que est animal marinum. 22.                                                                                                                                                       |  |         |       |       |
| Que est super extremitate naris                                                                                                                                                                    |  | 0 34 48 | 7 45  | 4     |
| Sequens trium que sunt in muscida super extremitate mandibule: et dicitur menkar                                                                                                                   |  | 0 34 48 | 12 20 | 3 *   |
| ¶ Media earum: et est in medio oris                                                                                                                                                                |  | 0 29 48 | 11 30 | 3     |
| Antecedens trium: et est super grumum                                                                                                                                                              |  | 0 47 38 | 14 0  | 3     |
| Que est super supercilium et oculum                                                                                                                                                                |  | 0 27 18 | 8 10  | 4     |
| Que est declinior hac ad septem. et quasi sit super capillos                                                                                                                                       |  | 0 29 48 | 6 20  | 4     |
| Antecedens has duas: et quasi sit supra comam                                                                                                                                                      |  | 0 24 48 | 4 10  | 4     |
| Septem lateris antecedentis quadrilateri quod est in pectore                                                                                                                                       |  | 0 19 8  | 24 30 | 4     |

| Logitudo & latitudo ac magnitudo stellarum fixarum                                                                  |  | Logi.   | Lat. in Sag. |
|---------------------------------------------------------------------------------------------------------------------|--|---------|--------------|
| Meridionalis lateris antecedentis                                                                                   |  | 0 20 18 | 18 0 4       |
| Septentrionalis lateris sequentis                                                                                   |  | 0 23 48 | 25 10 4      |
| Meridionalis lateris sequentis                                                                                      |  | 0 24 8  | 27 30 3      |
| Media trium que sunt in corpore                                                                                     |  | 0 19 8  | 25 20 3      |
| Meridionalis earum                                                                                                  |  | 0 10 8  | 30 30 4      |
| Sept. trium: & vocat veter Leti: & dicit Batenhaiton                                                                |  | 0 11 8  | 10 0 1*      |
| Sequens duarum que sunt apud radicem caude                                                                          |  | 0 6 48  | 15 10 2      |
| Antecedens earum                                                                                                    |  | 0 1 8   | 15 40 2      |
| Sept. lateri sequentis quadrilateri quod est in radice caude                                                        |  | 5 58 48 | 11 40 5      |
| Meridionalis lateris sequentis                                                                                      |  | 5 57 48 | 13 40 5      |
| Septentrionalis lateris antecedentis                                                                                |  | 5 56 18 | 13 0 5       |
| Meridionalis lateris antecedentis                                                                                   |  | 5 56 8  | 14 0 5       |
| Que sunt super rami septentrionalis duarum que sunt in duabus ex remita<br>tibus duorum ramorum caude (Denebcaiton) |  | 5 51 18 | 19 40 3      |
| Que est super extremitate rami meridionalis caude: & dicit                                                          |  | 5 52 48 | 20 20 3*     |
| Stellatio Orionis: & ipse est sublimar: & ita nominatus fuit Beuze                                                  |  |         | 38.          |
| Sept. que est in capite sublimati vel audacis                                                                       |  | 1 14 8  | 18 50 ne     |
| Lucida que est super humerum dextrum: & dicit Beldeigenze                                                           |  | 1 19 8  | 17 0 1*      |
| Que est super humerum sinistram: & dicit Bellatrix                                                                  |  | 1 7 18  | 17 30 1*     |
| Sequens que est sub istis duabus                                                                                    |  | 1 12 8  | 18 0 4       |
| Que est super cubitum dextrum                                                                                       |  | 1 21 18 | 14 30 4      |
| Que est super brachium dextrum                                                                                      |  | 1 23 18 | 11 50 6      |
| Sequens duplex meridionalis quadrilateri quod est in palma                                                          |  | 1 23 38 | 10 40 4      |
| Antecedens lateris meridionalis (dextra)                                                                            |  | 1 23 8  | 0 45 4       |
| Sequens lateris septentrionalis                                                                                     |  | 1 24 18 | 8 15 6       |
| Antecedens lateris septentrionalis                                                                                  |  | 1 23 48 | 8 15 6       |
| Antecedens duarum que sunt in figura pineali                                                                        |  | 1 18 48 | 3 45 5       |
| Sequens earum                                                                                                       |  | 1 21 28 | 3 15 5       |
| Sequens quatuor que sunt quasi super lineam rectam super dorsum                                                     |  | 1 14 38 | 19 40 4      |
| Antecedens hanc etiam                                                                                               |  | 1 13 38 | 20 0 6       |
| Antecedens etiam hanc                                                                                               |  | 1 12 28 | 20 20 6      |
| Reliqua: & est antecedens quatuor                                                                                   |  | 1 11 18 | 20 40 5      |
| Logior: novae que sunt in pterio manum sinistre in sept.                                                            |  | 1 7 38  | 8 0 4        |
| Secunda post istam in septentrione                                                                                  |  | 1 6 18  | 8 10 4       |
| Tertia post eam in septentrione                                                                                     |  | 1 5 8   | 10 15 4      |
| Quarta post eam in septentrione                                                                                     |  | 1 3 18  | 12 50 4      |
| Quinta post eam in septentrione                                                                                     |  | 1 2 18  | 14 15 4      |
| Sexta post eam in septentrione                                                                                      |  | 1 1 38  | 15 53 3      |
| Septima post eam in septentrione                                                                                    |  | 1 1 58  | 17 10 3      |

| Longitudo latitudo et magnitudo stellarum fixarum.                                                |  | Logi. |      | Lat. et Mag. |    |
|---------------------------------------------------------------------------------------------------|--|-------|------|--------------|----|
| Nature                                                                                            |  | g     | m    | g            | m  |
| Octava post eam in septentrionea                                                                  |  | 1     | 28   | 20           | 3  |
| Reliqua ex nouem vltima a meridie                                                                 |  | 1     | 328  | 21           | 30 |
| Antecedens trium que sunt super cingulum                                                          |  | 1     | 128  | m 24         | 2* |
| Media earum                                                                                       |  | 1     | 1428 | 25           | 50 |
| Sequens illarum trium                                                                             |  | 1     | 1518 | 25           | 40 |
| Que est apud capulum ensis                                                                        |  | 1     | 1058 | 25           | 50 |
| Septentrionalis trium continuarum cum capite ensis                                                |  | 1     | 1358 | 28           | 40 |
| Media earum                                                                                       |  | 1     | 1348 | 29           | 40 |
| Meridionalis trium                                                                                |  | 1     | 148  | 29           | 50 |
| Sequens duarum que sunt super extremitate ensis                                                   |  | 1     | 1448 | m 30         | 40 |
| Antecedens earum                                                                                  |  | 1     | 1318 | 30           | 50 |
| Lucida que est in pede sinistro: et est communis ei et aque: et dicitur Algebar                   |  |       |      |              |    |
| Nominat etiam Rigel                                                                               |  | 1     | 618  | 31           | 30 |
| Que est super declinior eam ad septem: et est super calcaneum                                     |  | 1     | 88   | 30           | 15 |
| Que est super calcaneum sinistrum exterius                                                        |  | 1     | 1028 | 31           | 10 |
| Que est super genu dextrum septentrionale                                                         |  | 1     | 1718 | m 33         | 30 |
| Stellatio fluuij id est Eridanus siue Byon siue Nilus.                                            |  |       |      | 34           |    |
| Que post illa que est in pede sublimati siue principium fluminis                                  |  | 1     | 528  | 31           | 50 |
| Que est declinior hac ad septentrione: et est in tortuositate apud comprehendentem crus sublimati |  | 1     | 558  | m 28         | 15 |
| Sequens duarum continuarum que sunt post hanc                                                     |  | 1     | 58   | 29           | 50 |
| Antecedens earum                                                                                  |  | 1     | 148  | 28           | 15 |
| Sequens etiam duarum continuarum                                                                  |  | 1     | 018  | 29           | 50 |
| Antecedens earum                                                                                  |  | 0     | 5718 | 25           | 20 |
| Sequens trium que sunt post istam                                                                 |  | 0     | 5328 | 26           | 0  |
| Media earum                                                                                       |  | 2     | 5238 | 27           | 0  |
| Antecedens trium                                                                                  |  | 0     | 4958 | 27           | 50 |
| Sequens quattuor que sunt post istud spacium                                                      |  | 0     | 448  | 32           | 50 |
| Antecedens hanc                                                                                   |  | 0     | 4148 | m 31         | 0  |
| Antecedens etiam hanc                                                                             |  | 0     | 4118 | 28           | 50 |
| Antecedens quattuor                                                                               |  | 0     | 3918 | 28           | 0  |
| Sequens illud secundum exemplum quattuor que sunt post illud spacium                              |  | 0     | 3418 | 25           | 30 |
| Antecedens hanc                                                                                   |  | 0     | 3158 | 23           | 50 |
| Antecedens etiam hanc                                                                             |  | 0     | 2918 | 23           | 10 |
| Antecedens has quattuor (notati etus)                                                             |  | 0     | 2738 | 23           | 15 |
| Que est in reuerfione fluminis: et est contingens pectus aial                                     |  | 0     | 2218 | 32           | 10 |
| Sequens hanc et dicitur Angetenar.                                                                |  | 0     | 2258 | 34           | 50 |
| Antecedens trium que sunt post illam                                                              |  | 0     | 2558 | m 38         | 30 |



Longitudo et latitudo ac magnitudo stellarum fixarum Longitu. Latitudo

|                                                        | g | m  | g  | m           |
|--------------------------------------------------------|---|----|----|-------------|
| Media earum                                            | 0 | 30 | 58 | m 38 10 4   |
| Sequens triu (obliquatione)                            | 0 | 34 | 38 | 39 0 5      |
| Sept. a latere aſcedēte q̄drilateri reliq qd ē quali i | 0 | 38 | 18 | 41 30 4     |
| Meridionalis lateris antecedentis                      | 0 | 38 | 38 | 42 30 4     |
| Antecedens lateris ſequentis                           | 0 | 50 | 18 | 43 15 4     |
| Sequens earum: et eſt reliqua quattuor                 | 0 | 41 | 48 | 43 20 4     |
| Sept. duarū p̄iutarū ſequentiū verſus orientē          | 0 | 51 | 18 | 50 20 4     |
| Declinior earum ad meridiē                             | 0 | 51 | 8  | m 51 45 4   |
| Decl. duarū q̄ ſūt poſt illas: que noīaſ latine beemim | 0 | 45 | 18 | 53 50 4     |
| Antecedens earum                                       | 0 | 42 | 58 | 53 10 4     |
| Sequē trium que ſunt in ſpacio qd eſt poſt illud       | 0 | 34 | 58 | 53 0 4      |
| Media earum                                            | 0 | 31 | 58 | 53 30 4     |
| Antecedens trium                                       | 0 | 18 | 58 | 52 0 4      |
| Lucida que eſt in poſtremo flumī: et dī Acarnar        | 0 | 17 | 18 | m 53 30 1 * |

Stellatio Leporis. 12.

|                                                       |   |    |    |           |
|-------------------------------------------------------|---|----|----|-----------|
| Sept. lateris aſcedētis quadrilateri qd ē ſup aurē    | 1 | 6  | 48 | m 35 0 5  |
| Meridionalis lateris antecedentis                     | 1 | 6  | 58 | 36 30 5   |
| Sept. ſequentis lateris                               | 1 | 8  | 28 | 35 4 5    |
| Meridionalis lateris ſequentis                        | 1 | 8  | 28 | 36 40 5   |
| Que eſt in mandibula                                  | 1 | 6  | 18 | 39 40 4   |
| Que eſt in extremitate pedis ſiniſtri anterioris      | 1 | 3  | 18 | m 45 15 4 |
| Que eſt in medio corporis                             | 1 | 12 | 38 | 41 30 3   |
| Que eſt ſub ventre                                    | 1 | 11 | 58 | 44 20 3   |
| Decl. duarū q̄ ſunt i duob⁹ pedib⁹ poſtremis ad ſept. | 1 | 18 | 8  | 44 0 4    |
| Declinior earum ad meridiem                           | 1 | 16 | 8  | 45 50 4   |
| Que eſt ſup dorſum                                    | 1 | 17 | 8  | 38 20 4   |
| Que eſt ſup extremitatē caude                         | 1 | 28 | 48 | m 38 10 4 |

Stellatio Canis maioris: et dicitur Canis Syrius 18.

|                                                            |   |    |    |             |
|------------------------------------------------------------|---|----|----|-------------|
| Que ē in ore: et ē in vltimitate lumī: et dī canis: et ē a | 1 | 34 | 48 | m 39 10 1 * |
| Que ē ſup duas aures (ſchere alimeni albabor)              | 1 | 36 | 48 | 35 0 4      |
| Que eſt ſuper caput                                        | 1 | 38 | 28 | 36 30 5     |
| Septentrionalis duarū que ſunt in collo                    | 1 | 40 | 28 | 37 45 4     |
| Meridionalis earum                                         | 1 | 41 | 28 | m 40 0 4    |
| Que eſt ſuper pectus                                       | 1 | 37 | 38 | 42 40 5     |
| Septentrionalis duarum que ſunt ſup genu dextrū            | 1 | 33 | 18 | 41 15 5     |
| Declinior earum ad meridiem                                | 1 | 33 | 8  | 42 30 5     |
| Que eſt ſup extremitatē pedis anterioris                   | 1 | 28 | 8  | 41 20 3     |
| Antecedens duarum que ſunt in genu ſiniſtro                | 1 | 31 | 48 | m 46 3 5    |

Longitudo et latitudo ac magnitudo stellarum fixarum Logi Lat. mag.

|                                                     | Logi    | Lat. mag. |
|-----------------------------------------------------|---------|-----------|
| Sequens earum                                       | 1 33 18 | m 45 50 5 |
| Sequens duarum que sunt super spatulam sinistram    | 1 41 48 | 46 0 4    |
| Antecedens earum                                    | 1 38 48 | 47 0 5    |
| Que est in origine coxe sinistre                    | 1 43 48 | 48 45 3   |
| Que est sub ventre in loco que est inter duas coxas | 1 40 48 | 51 30 3   |
| Que est super concavitate pedis dextri              | 1 40 8  | 55 10 4   |
| Que est super extremitate huius pedis               | 1 26 48 | 53 45 3   |
| Que est super extremitate caude                     | 1 19 18 | m 50 40 3 |

Stelle que sunt circa canem: et non sunt in forma .2.

|                                                                                        |         |           |
|----------------------------------------------------------------------------------------|---------|-----------|
| Que est a parte septentrionis in vertice capitis                                       | 1 36 38 | 25 15 4   |
| Longior: quatuor: que sunt super rectam lineam sub duobus pedibus postremis in meridie | 1 17 8  | m 61 30 4 |
| Que est declinior: ad septentrionem                                                    | 1 28 28 | 54 45 4   |
| Que est declinior: etiam hac ad septentrionem                                          | 1 30 8  | 57 0 4    |
| Reliqua quatuor: et est longior earum ad septentrionem                                 | 1 31 18 | 56 0 4    |
| Antecedens trium que sunt que sunt super lineam rectam eo quod sequitur                | 1 45 8  | 55 30 4   |
| (occidentem a quatuor)                                                                 | 1 17 28 | 57 40 4   |
| Sequens trium                                                                          | 1 19 28 | 59 30 4   |
| Sequens duarum lucidarum que sunt sub istis tribus                                     | 1 16 8  | 59 40 2   |
| Antecedens duarum                                                                      | 1 13 8  | 57 40 2   |
| Reliqua et est declinior: ea que est ante ipsam ad meridiem                            | 1 9 18  | m 59 30 4 |

Stellatio Canis minoris antecedentis vel canicule .2.

|                                                                                        |         |           |
|----------------------------------------------------------------------------------------|---------|-----------|
| Que est in collario                                                                    | 1 42 8  | m 14 0 4  |
| Lucidior: stellis postremis: et dicitur Prochion: et est Aschere Aschemie et Algomeysa | 1 46 18 | 16 10 1 * |

Stellatio navis: et dicitur Argus .45.

|                                                                              |         |           |
|------------------------------------------------------------------------------|---------|-----------|
| Antecedens duarum que sunt super extremitate navis                           | 1 57 28 | 42 40 5   |
| Sequens earum                                                                | 2 1 28  | 43 20 3   |
| Declinior: quatuor: que sunt super scutum i latere quod est ad septentrionem | 1 55 58 | 45 0 4    |
| Declinior: earum ad meridiem                                                 | 1 55 58 | 46 0 4    |
| Antecedens bas duas                                                          | 1 52 28 | 45 30 4   |
| Lucida que est in medio scuti: et dicitur markeb                             | 1 53 18 | 47 15 4 * |
| Antecedens trium que sunt sub scuto                                          | 1 52 28 | 49 30 4   |
| Sequens earum                                                                | 1 56 28 | 49 30 4   |
| Media trium                                                                  | 1 55 38 | 49 15 4   |
| Que est in postremo cautele                                                  | 2 1 8   | 49 50 4   |
| Septem: duarum que sunt in gubernaculo apud cautele                          | 1 51 8  | 53 50 4   |
| Declinior earum ad meridiem                                                  | 1 51 8  | 58 40 3   |
| Septentrio nalis duarum que sunt in stricto cautele                          | 1 57 18 | S 55 30 3 |

| Longitudo et latitudo ac magnitudo stellarum fixarum. |                                                                                                 | Longi.   | Latitudo | mag. |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------|----------|------|
| h                                                     | Antecedens trium sequentium banc                                                                | 1 59 18  | m 58 40  | 5    |
|                                                       | Media earum                                                                                     | 2 0 28   | 57 15    | 4    |
|                                                       | Sequens earum                                                                                   | 2 3 38   | 57 45    | 4    |
| 7                                                     | Lucida sequens banc super transstrum                                                            | 2 8 18   | 58 20    | 2 *  |
|                                                       | Antecedens duarum occultarum q sunt sub lucida                                                  | 2 5 18   | 60 0     | 5    |
|                                                       | Sequens earum                                                                                   | 2 8 8    | 59 20    | 5    |
|                                                       | Antecedens duarum q sunt sup lucida qua dixim <sup>o</sup>                                      | 2 10 18  | 56 40    | 5    |
|                                                       | Sequens earum                                                                                   | 2 11 28  | 57 0     | 5    |
|                                                       | Sept. triu q sunt i scutell quasi sint supra costatu: et e                                      | 2 12 48  | 51 30    | 4    |
|                                                       | Media earum (loc <sup>o</sup> mali)                                                             | 2 23 18  | 55 40    | 4    |
|                                                       | Meridionalis trium                                                                              | 2 21 8   | 57 10    | 4    |
|                                                       | Declinior duarum punctarum q sunt sub illa ad septi.                                            | 2 26 18  | 60 0     | 4    |
|                                                       | Declinior earum ad meridiem                                                                     | 2 26 8   | 61 15    | 4    |
|                                                       | Declinior duarum q sunt i medio antene ad meridiem                                              | 2 17 18  | 51 30    | 3    |
|                                                       | Declinior earum ad septentrionem                                                                | 2 16 18  | 49 0     | 4    |
|                                                       | Antecedens duarum q sunt apud extremitate antene                                                | 2 15 8   | 53 20    | 4    |
| 2                                                     | Sequens earum                                                                                   | 2 16 8   | 43 30    | 4    |
| q                                                     | Que est sub tribus scutellis sequentibus                                                        | 2 2 18   | m 54 30  | 2 *  |
|                                                       | Que est super sectorum transstri                                                                | 2 34 18  | 51 15    | 2    |
|                                                       | Que e i eo qd e inf duos temones i ligno sup q e fr.                                            | 1 58 48  | 63 6     | 4    |
|                                                       | Occulta sequens banc (bricator navis)                                                           | 2 6 8    | 64 30    | 6    |
|                                                       | Lucida sequens banc sub transstro                                                               | 2 17 8   | 63 50    | 2 *  |
|                                                       | Lucida meridional ab ista: et e sup lignu fricationis                                           | 2 25 18  | 69 40    | 2    |
|                                                       | Antecedens trium sequentium banc (navis)                                                        | 2 31 18  | 65 40    | 3    |
|                                                       | Media earum                                                                                     | 2 38 33  | 65 50    | 3    |
|                                                       | Sequens trium                                                                                   | 2 43 8   | 67 28    | 2    |
|                                                       | Ans duarum sequentium has tres apud sectionem transstri                                         | 2 48 8   | 62 50    | 3    |
|                                                       | Sequens harum duarum                                                                            | 2 55 8   | 62 15    | 3    |
|                                                       | Antecedens duarum que sunt in remo septentrionali                                               | 1 19 8   | 65 55    | 4    |
|                                                       | Sequens earum                                                                                   | 1 37 18  | 65 40    | 3    |
|                                                       | Antecedens duarum que sunt in remo sequente: et dicitur Canopus: et est Su-<br>bel ponderosus   | 1 34 18  | 69 0     | 1 *  |
| z                                                     | Reliqua sequens earum                                                                           | 1 46 8   | m 61 50  | 3    |
| Stellatio Hydre. et noia <sup>z</sup> Asuia .27.      |                                                                                                 |          |          |      |
|                                                       | Declinior duarum antecedentium ex quinq que sunt in capite ad meridiem:<br>et quasi super narem | 1 2 1 8  | m 15 0   | 4    |
| h                                                     | Declinior earum ad septi. et est in medio capitis                                               | 1 2 2 18 | 11 30    | 4    |
| z                                                     | Declinior duarum sequentium eas ad septentrionem et quasi sit super ver-<br>ti em               | 2 2 38   | m 11 30  | 4    |

| Longitudo et latitudo ac magnitudo stellarum fixarum |                                                                   | Long. | Lat. | Mag.       |
|------------------------------------------------------|-------------------------------------------------------------------|-------|------|------------|
|                                                      |                                                                   | °     | '    | "          |
| m<br>a<br>r<br>c<br>u<br>s                           | Declinior earum ad meridiem: et est in apertione oris             | 2     | 138  | m 14 45 4  |
|                                                      | Sequens has oēs quasi sit sup grumum                              | 2     | 438  | 11 0 5     |
|                                                      | Antecedens reliquarum duarum que sunt in origine cervicis         | 2     | 728  | 11 50 5    |
|                                                      | Sequens earum                                                     | 2     | 1028 | 13 40 4    |
| h                                                    | Media trium que sunt post inflexionem colli                       | 2     | 1528 | 15 20 4    |
|                                                      | Sequens trium                                                     | 2     | 1748 | 14 50 4    |
|                                                      | Declinior earum ad meridiem                                       | 2     | 1528 | 17 10 4    |
|                                                      | Occultior septem duarum punctarum que sunt a pte meridiem         | 2     | 1618 | 19 45 6    |
| 4                                                    | Lucida duarum punctarum: et dicitur Alphart                       | 2     | 17 8 | 20 30 2 *  |
|                                                      | Antecedens trium que sunt post reflexionem colli                  | 2     | 23 8 | 26 30 4    |
|                                                      | Media earum                                                       | 2     | 2548 | 26 0 4     |
|                                                      | Sequens trium                                                     | 2     | 2818 | m 23 35 4  |
| a                                                    | Antecedens trium sequentium que sunt sup lineam rectam sequentium | 2     | 35 8 | 24 40 3    |
|                                                      | Media earum                                                       | 2     | 37 8 | 23 0 4     |
|                                                      | Sequens trium                                                     | 2     | 40 8 | 22 10 3    |
|                                                      | Septentrionalis duarum que sunt in inferioribus vasis             | 2     | 4838 | 25 45 4    |
| p<br>a<br>r<br>t<br>i                                | Declinior earum ad meridiem                                       | 2     | 4928 | 30 10 4    |
|                                                      | His trium que sunt post istas: et sunt quasi in figura trianguli  | 2     | 5918 | 31 20 4    |
|                                                      | Media earum: et est declinior earum ad meridiem                   | 3     | 138  | 31 10 4    |
|                                                      | Sequens trium                                                     | 3     | 318  | 31 40 3    |
| ♀                                                    | Que est post cornu in radice caude                                | 3     | 17 8 | 13 40 4    |
|                                                      | Que est super extremitate caude                                   | 3     | 3038 | m 17 40 4  |
|                                                      | Stelle que sunt circa hydra: et non sunt in forma                 | 2     |      |            |
|                                                      | Meridionalis super caput                                          | 1     | 5938 | m 23 15 3  |
| ♀                                                    | Sequens que est in cervice post                                   | 2     | 28 8 | m 26 0 3   |
| Stellatio Classis. 7.                                |                                                                   |       |      |            |
| ♀                                                    | Que est in basi vasis: et est cois ei hydre: et dicitur Albes     | 2     | 4328 | m 23 0 4 * |
|                                                      | Meridionalis duarum que sunt in medio vasis                       | 2     | 4938 | 19 30 4    |
|                                                      | Declinior earum ad septentrionem                                  | 2     | 47 8 | 18 0 4     |
|                                                      | Que est sup revolutionem oris vasis sup arcum meridianum          | 2     | 53 8 | 18 30 4    |
| ♀                                                    | Que est sup revolutionem oris vasis sup arcum septem.             | 2     | 4628 | 13 40 4    |
|                                                      | Que est super aurem meridianam                                    | 2     | 5618 | 16 40 4    |
|                                                      | Que est super aurem septentrionalem                               | 2     | 4848 | m 11 50 4  |
| Stellatio Loci. 7.                                   |                                                                   |       |      |            |
| h                                                    | Que est in rostro: et est cois ei et hydre                        | 3     | 128  | m 21 40 3  |
|                                                      | Que est in cervice ex eis que sequuntur caput                     | 3     | 128  | 19 40 3    |
| h                                                    | Que est in pectore                                                | 3     | 348  | m 18 10 5  |

| C Longitudo z latitudo ac magnitudo stellarum fixarum  |   | Logi  | Latit. mag. |
|--------------------------------------------------------|---|-------|-------------|
| Nature                                                 |   | g m   | g m         |
| h Que est in ala dextra antecedente: z dicitur Algorab | 3 | 538 m | 14 50 3 *   |
| Antecedens duarum que sunt in ala postrema             | 3 | 448   | 12 30 3     |
| Sequens earum                                          | 3 | 4 8   | 11 45 4     |
| Que est super extremitate pedis: z est cōs ei z hydre  | 3 | 738 m | 18 10 3     |

C Stellatio Centauri .37.

|                                                       |   |         |           |
|-------------------------------------------------------|---|---------|-----------|
| ♀ Longior quattuor q̄ sunt in capite a parte meridiei | 3 | 1738 m  | 21 40 5   |
| Longior earum in septentrione                         | 3 | 27 8    | 18 50 5   |
| Antecedens duarum reliquarū mediarum                  | 3 | 26 18   | 20 30 5   |
| Sequens earum: z est reliqua ex quattuor              | 3 | 27 8    | 20 0 5    |
| Que est super spatulam antecedentē sinistram          | 3 | 23 18   | 25 40 3   |
| Que est super spatulam dextram                        | 3 | 32 48   | 22 30 3   |
| Que est super humerum sinistram                       | 3 | 26 18   | 27 30 4   |
| ♂ Sept. duarū antecedentiū quattuor q̄ sunt i clypeo  | 3 | 35 18 m | 22 20 4   |
| Meridionalis earum                                    | 3 | 36 18   | 23 45 4   |
| Que est super extremitate clypei duarū reliquarū      | 3 | 39 8    | 18 15 4   |
| Reliq̄ harū duarū: z est declinior hac ad meridiē     | 3 | 39 38   | 20 50 4   |
| Antecedens trium que sunt in latere dextro            | 3 | 30 28   | 28 20 4   |
| Media earum                                           | 3 | 30 8    | 30 20 4   |
| Sequens trium                                         | 3 | 32 18 m | 28 0 4    |
| ♂ Que est super adiutorium dextrum                    | 3 | 33 28   | 26 30 4   |
| Que est super brachium dextrum                        | 3 | 39 8    | 25 15 3   |
| Que est super extremitate manus dextre                | 3 | 44 38   | 24 0 4    |
| Lucida que est in origine corporis hominis            | 3 | 35 8    | 33 30 3 * |
| Sequens duarū occultarū septentrionalium ab ea        | 3 | 34 48   | 31 0 5    |
| Antecedens earum                                      | 3 | 33 38   | 30 20 5   |
| Que est in radice dorſi                               | 3 | 29 18   | 34 50 5   |
| Antecedens hanc: z est super dorſum equi              | 3 | 26 8 m  | 37 40 5   |
| Sequens trium que sunt super dorſum                   | 3 | 22 58   | 40 0 3    |
| Media earum                                           | 3 | 22 8    | 40 20 4   |
| Antecedens trium                                      | 3 | 19 48   | 41 0 5    |
| ♂ Antecedens duarū pūctarū q̄ sunt supra corā dextrā  | 3 | 19 48   | 46 10 2   |
| Sequens earum                                         | 3 | 35 38   | 46 45 4   |
| Que est in pectore sub asella equi                    | 3 | 35 28   | 40 45 4   |
| Antecedens duarū que sunt sub ventre                  | 3 | 33 28   | 43 0 2    |
| Sequens earum                                         | 3 | 34 48   | 43 45 3   |
| ♀ Que est supra concavitatē pedis dextri              | 3 | 27 8 m  | 51 20 1 * |

| Longitudo latitudo et magnitudo stellarum fixarum. |                                                   | Logi.   | Latitudo | Mag. |
|----------------------------------------------------|---------------------------------------------------|---------|----------|------|
| Nature                                             |                                                   | g. m.   | g. m.    |      |
| ♀                                                  | Que est super calcaneum huius pedis               | 3 32 28 | m 51 40  | 2 *  |
|                                                    | Que est sub concavitate pedis sinistri            | 3 22 28 | 55 10    | 4    |
|                                                    | Que est super musculum huius pedis                | 3 28 18 | 55 20    | 2 *  |
|                                                    | Que est super extremitate pedis dextri anterioris | 3 25 28 | 41 10    | 1 *  |
|                                                    | Que est super genu pedis sinistri                 | 3 21 18 | 45 20    | 2 *  |
| ♀                                                  | Exterior: est sub pede dextro postremo            | 1 31 48 | m 49 10  | 3    |

Stellatio Lupi .19.

|    |                                                               |         |         |   |
|----|---------------------------------------------------------------|---------|---------|---|
| h  | Que est super extremitate huius pedis postremi apud ex        | 3 45 8  | 24 10   | 3 |
|    | Que est super concavitate huius pedis (extremitate doline     | 3 42 58 | 29 16   | 3 |
|    | Antecedens duarum que sunt super spatulam                     | 3 48 8  | 21 15   | 4 |
|    | Sequens earum                                                 | 3 51 18 | 21 0    | 4 |
| ♂  | Que est in medio corporis lupi                                | 3 50 8  | 25 10   | 4 |
|    | Que est in ventre sub mirach                                  | 3 47 18 | 17 0    | 5 |
|    | Que est supra coram                                           | 3 47 58 | 19 0    | 5 |
|    | Sept. duarum que sunt apud originem coxe                      | 3 51 48 | 28 30   | 5 |
| ad | Declinior earum ad meridiem                                   | 3 50 48 | 30 0    | 5 |
|    | Que est super extremitate dorso                               | 3 52 28 | 33 10   | 5 |
|    | Meridionalis trium que sunt super extremitate caude           | 3 39 8  | m 31 20 | 5 |
|    | Media harum trium                                             | 3 38 58 | 30 0    | 4 |
| ad | Septentrionalis earum                                         | 3 40 8  | 29 20   | 4 |
|    | Declinior duarum que sunt in ceruice ad meridiem              | 3 55 58 | 17 0    | 4 |
|    | Declinior earum ad septentrionem                              | 3 56 28 | 15 20   | 4 |
|    | Antecedens duarum que sunt in muscida                         | 3 52 48 | 18 30   | 4 |
|    | Sequens earum                                                 | 3 53 48 | 11 50   | 4 |
|    | Decl. duarum que sunt in pede que est in anterioribus ad mer. | 4 14 28 | 11 30   | 4 |
| ♂  | Declinior earum ad septentrionem                              | 4 13 38 | 10 0    | 4 |

Stellatio Lari. i. Thurbulū et Sacarius siue Putus siue Ara .7.

|    |                                                         |         |       |   |
|----|---------------------------------------------------------|---------|-------|---|
| ♂  | Declinior duarum que sunt in basi eius ad septentrionem | 4 14 48 | 12 40 | 5 |
| ♂  | Declinior earum ad meridiem                             | 4 17 28 | 25 45 | 4 |
|    | Que est in medio capitis laris                          | 4 13 18 | 26 30 | 4 |
| ad | Septentrionalis trium que sunt in loco ignis            | 4 7 48  | 30 20 | 5 |
|    | Declinior duarum reliquarum triumque ad meridiem        | 4 12 18 | 34 10 | 4 |
|    | Declinior earum ad septentrionem                        | 4 12 8  | 33 20 | 4 |
| ♀  | Que est super extremitate flammę                        | 4 7 58  | 34 0  | 4 |

Stellatio Corone Meridionalis .13

|  |                                               |         |        |   |
|--|-----------------------------------------------|---------|--------|---|
|  | Stella antecedens de foris arcus meridionalis | 4 26 10 | 12 30  | 4 |
|  | Sequens eam super coronam                     | 4 28 48 | 21 0   | 5 |
|  | Sequens hanc                                  | 4 30 18 | 20 20  | 5 |
|  | Sequens etiam hanc                            | 4 31 58 | m 20 0 | 4 |

| Longitudo z latitudo ac magnitudo stellarum fixarū              |                                                          | Logi.   | Latit. Mag. |   |
|-----------------------------------------------------------------|----------------------------------------------------------|---------|-------------|---|
| nature                                                          |                                                          | g m     | g m         |   |
| h                                                               | Que est post istam coram genu sagittarij                 | 4 33 18 | m 18 30     | 5 |
|                                                                 | Que ē post istā: z ē declinior ad sept. lucida q̄ est in | 4 34 28 | 17 10       | 4 |
|                                                                 | Que est declinior hac ad sept. (genu)                    | 4 33 58 | 16 0        | 4 |
|                                                                 | Que est declinior hac z ad sept.                         | 4 33 38 | 15 20       | 4 |
| h                                                               | Sequēs duarū antecētiū q̄ sunt post istā i arcu septi.   | 4 32 18 | 15 50       | 6 |
|                                                                 | Antecedens harum duarum occultarum                       | 4 31 48 | 14 50       | 6 |
|                                                                 | Antecedens has multum                                    | 4 28 58 | 14 40       | 6 |
|                                                                 | Antecedens etiam hanc                                    | 4 26 48 | 15 50       | 5 |
| h                                                               | Sequens z est declinior ad meridiē ea q̄ est ante ipsā   | 4 26 18 | 18 30       | 5 |
| C Stellatio Discis meridionalis .ii.                            |                                                          |         |             |   |
| h                                                               | Que est in ore: z est illa q̄ est in principio aque      | 5 17 48 | 20 28       | 4 |
|                                                                 | Ans triū q̄ sunt sup revolutionē capitis anguli me-      | 5 21 18 | 22 15       | 4 |
|                                                                 | Media earum (ridionalis)                                 | 5 22 48 | m 22 30     | 4 |
|                                                                 | Sequens trium                                            | 5 21 28 | 16 15       | 4 |
|                                                                 | Que est apud gulam                                       | 5 12 18 | 19 30       | 5 |
|                                                                 | Que est sup spinā meridianā q̄ est sup dorsum            | 5 18 18 | 15 10       | 5 |
|                                                                 | Sequens duarum que sunt in ventre                        | 5 15 58 | 14 14       | 4 |
|                                                                 | Antecedens earum                                         | 5 12 18 | 15 15       | 4 |
|                                                                 | Sequens triū q̄ sunt sup spinā septentrionalem           | 5 8 58  | 16 16       | 4 |
|                                                                 | Media earum                                              | 5 8 8   | 18 18       | 4 |
| h                                                               | Antecedens triū: z est sup extremitatē caude             | 5 13 8  | 22 22       | 4 |
| Stelle que sunt circa piscē meridionalē: z non sunt in forma. 6 |                                                          |         |             |   |
|                                                                 | Antecedens triū lucidarū antecētiū piscem                | 4 55 8  | 22 20       | 3 |
|                                                                 | Media earum                                              | 4 58 18 | 22 10       | 3 |
|                                                                 | Sequens harum trium                                      | 5 1 8   | 21 0        | 3 |
|                                                                 | Occulta antecēdens hanc                                  | 4 59 8  | 20 50       | 5 |
|                                                                 | Meridional duarū reliq̄rū q̄ sunt i pte septentrionis    | 5 0 18  | 16 0        | 4 |
| h                                                               | Declinior earum ad septentrionem                         | 5 0 58  | m 14 50     | 4 |

C Univerſe ergo ſtelle que ſunt in parte meridiana ſunt. 3 16.  
 Quarū in magnitudine prima ſunt. 7. In ſecūda. 18. In ter-  
 tia. 63. In q̄rta. 164. In q̄nta. 54. In ſexta. 9. Et nebulofa. 1.

C Stellarum fixarum quadraginta z octo celeſtium imaginū  
 tempore Alſonſi verificatarum ſims Aſtris ſelicibus.

Tabula Medij Motus Solis Veneris et Mercurij

☉ ♀ ☿

| 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 | 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 | 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 | 397 | 398 | 399 | 400 | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 | 431 | 432 | 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 | 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 450 | 451 | 452 | 453 | 454 | 455 | 456 | 457 | 458 | 459 | 460 | 461 | 462 | 463 | 464 | 465 | 466 | 467 | 468 | 469 | 470 | 471 | 472 | 473 | 474 | 475 | 476 | 477 | 478 | 479 | 480 | 481 | 482 | 483 | 484 | 485 | 486 | 487 | 488 | 489 | 490 | 491 | 492 | 493 | 494 | 495 | 496 | 497 | 498 | 499 | 500 | 501 | 502 | 503 | 504 | 505 | 506 | 507 | 508 | 509 | 510 | 511 | 512 | 513 | 514 | 515 | 516 | 517 | 518 | 519 | 520 | 521 | 522 | 523 | 524 | 525 | 526 | 527 | 528 | 529 | 530 | 531 | 532 | 533 | 534 | 535 | 536 | 537 | 538 | 539 | 540 | 541 | 542 | 543 | 544 | 545 | 546 | 547 | 548 | 549 | 550 | 551 | 552 | 553 | 554 | 555 | 556 | 557 | 558 | 559 | 560 | 561 | 562 | 563 | 564 | 565 | 566 | 567 | 568 | 569 | 570 | 571 | 572 | 573 | 574 | 575 | 576 | 577 | 578 | 579 | 580 | 581 | 582 | 583 | 584 | 585 | 586 | 587 | 588 | 589 | 590 | 591 | 592 | 593 | 594 | 595 | 596 | 597 | 598 | 599 | 600 | 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 610 | 611 | 612 | 613 | 614 | 615 | 616 | 617 | 618 | 619 | 620 | 621 | 622 | 623 | 624 | 625 | 626 | 627 | 628 | 629 | 630 | 631 | 632 | 633 | 634 | 635 | 636 | 637 | 638 | 639 | 640 | 641 | 642 | 643 | 644 | 645 | 646 | 647 | 648 | 649 | 650 | 651 | 652 | 653 | 654 | 655 | 656 | 657 | 658 | 659 | 660 | 661 | 662 | 663 | 664 | 665 | 666 | 667 | 668 | 669 | 670 | 671 | 672 | 673 | 674 | 675 | 676 | 677 | 678 | 679 | 680 | 681 | 682 | 683 | 684 | 685 | 686 | 687 | 688 | 689 | 690 | 691 | 692 | 693 | 694 | 695 | 696 | 697 | 698 | 699 | 700 | 701 | 702 | 703 | 704 | 705 | 706 | 707 | 708 | 709 | 710 | 711 | 712 | 713 | 714 | 715 | 716 | 717 | 718 | 719 | 720 | 721 | 722 | 723 | 724 | 725 | 726 | 727 | 728 | 729 | 730 | 731 | 732 | 733 | 734 | 735 | 736 | 737 | 738 | 739 | 740 | 741 | 742 | 743 | 744 | 745 | 746 | 747 | 748 | 749 | 750 | 751 | 752 | 753 | 754 | 755 | 756 | 757 | 758 | 759 | 760 | 761 | 762 | 763 | 764 | 765 | 766 | 767 | 768 | 769 | 770 | 771 | 772 | 773 | 774 | 775 | 776 | 777 | 778 | 779 | 780 | 781 | 782 | 783 | 784 | 785 | 786 | 787 | 788 | 789 | 790 | 791 | 792 | 793 | 794 | 795 | 796 | 797 | 798 | 799 | 800 | 801 | 802 | 803 | 804 | 805 | 806 | 807 | 808 | 809 | 810 | 811 | 812 | 813 | 814 | 815 | 816 | 817 | 818 | 819 | 820 | 821 | 822 | 823 | 824 | 825 | 826 | 827 | 828 | 829 | 830 | 831 | 832 | 833 | 834 | 835 | 836 | 837 | 838 | 839 | 840 | 841 | 842 | 843 | 844 | 845 | 846 | 847 | 848 | 849 | 850 | 851 | 852 | 853 | 854 | 855 | 856 | 857 | 858 | 859 | 860 | 861 | 862 | 863 | 864 | 865 | 866 | 867 | 868 | 869 | 870 | 871 | 872 | 873 | 874 | 875 | 876 | 877 | 878 | 879 | 880 | 881 | 882 | 883 | 884 | 885 | 886 | 887 | 888 | 889 | 890 | 891 | 892 | 893 | 894 | 895 | 896 | 897 | 898 | 899 | 900 | 901 | 902 | 903 | 904 | 905 | 906 | 907 | 908 | 909 | 910 | 911 | 912 | 913 | 914 | 915 | 916 | 917 | 918 | 919 | 920 | 921 | 922 | 923 | 924 | 925 | 926 | 927 | 928 | 929 | 930 | 931 | 932 | 933 | 934 | 935 | 936 | 937 | 938 | 939 | 940 | 941 | 942 | 943 | 944 | 945 | 946 | 947 | 948 | 949 | 950 | 951 | 952 | 953 | 954 | 955 | 956 | 957 | 958 | 959 | 960 | 961 | 962 | 963 | 964 | 965 | 966 | 967 | 968 | 969 | 970 | 971 | 972 | 973 | 974 | 975 | 976 | 977 | 978 | 979 | 980 | 981 | 982 | 983 | 984 | 985 | 986 | 987 | 988 | 989 | 990 | 991 | 992 | 993 | 994 | 995 | 996 | 997 | 998 | 999 | 1000 | 1001 | 1002 | 1003 | 1004 | 1005 | 1006 | 1007 | 1008 | 1009 | 1010 | 1011 | 1012 | 1013 | 1014 | 1015 | 1016 | 1017 | 1018 | 1019 | 1020 | 1021 | 1022 | 1023 | 1024 | 1025 | 1026 | 1027 | 1028 | 1029 | 1030 | 1031 | 1032 | 1033 | 1034 | 1035 | 1036 | 1037 | 1038 | 1039 | 1040 | 1041 | 1042 | 1043 | 1044 | 1045 | 1046 | 1047 | 1048 | 1049 | 1050 | 1051 | 1052 | 1053 | 1054 | 1055 | 1056 | 1057 | 1058 | 1059 | 1060 | 1061 | 1062 | 1063 | 1064 | 1065 | 1066 | 1067 | 1068 | 1069 | 1070 | 1071 | 1072 | 1073 | 1074 | 1075 | 1076 | 1077 | 1078 | 1079 | 1080 | 1081 | 1082 | 1083 | 1084 | 1085 | 1086 | 1087 | 1088 | 1089 | 1090 | 1091 | 1092 | 1093 | 1094 | 1095 | 1096 | 1097 | 1098 | 1099 | 1100 | 1101 | 1102 | 1103 | 1104 | 1105 | 1106 | 1107 | 1108 | 1109 | 1110 | 1111 | 1112 | 1113 | 1114 | 1115 | 1116 | 1117 | 1118 | 1119 | 1120 | 1121 | 1122 | 1123 | 1124 | 1125 | 1126 | 1127 | 1128 | 1129 | 1130 | 1131 | 1132 | 1133 | 1134 | 1135 | 1136 | 1137 | 1138 | 1139 | 1140 | 1141 | 1142 | 1143 | 1144 | 1145 | 1146 | 1147 | 1148 | 1149 | 1150 | 1151 | 1152 | 1153 | 1154 | 1155 | 1156 | 1157 | 1158 | 1159 | 1160 | 1161 | 1162 | 1163 | 1164 | 1165 | 1166 | 1167 | 1168 | 1169 | 1170 | 1171 | 1172 | 1173 | 1174 | 1175 | 1176 | 1177 | 1178 | 1179 | 1180 | 1181 | 1182 | 1183 | 1184 | 1185 | 1186 | 1187 | 1188 | 1189 | 1190 | 1191 | 1192 | 1193 | 1194 | 1195 | 1196 | 1197 | 1198 | 1199 | 1200 | 1201 | 1202 | 1203 | 1204 | 1205 | 1206 | 1207 | 1208 | 1209 | 1210 | 1211 | 1212 | 1213 | 1214 | 1215 | 1216 | 1217 | 1218 | 1219 | 1220 | 1221 | 1222 | 1223 | 1224 | 1225 | 1226 | 1227 | 1228 | 1229 | 1230 | 1231 | 1232 | 1233 | 1234 | 1235 | 1236 | 1237 | 1238 | 1239 | 1240 | 1241 | 1242 | 1243 | 1244 | 1245 | 1246 | 1247 | 1248 | 1249 | 1250 | 1251 | 1252 | 1253 | 1254 | 1255 | 1256 | 1257 | 1258 | 1259 | 1260 | 1261 | 1262 | 1263 | 1264 | 1265 | 1266 | 1267 | 1268 | 1269 | 1270 | 1271 | 1272 | 1273 | 1274 | 1275 | 1276 | 1277 | 1278 | 1279 | 1280 | 1281 | 1282 | 1283 | 1284 | 1285 | 1286 | 1287 | 1288 | 1289 | 1290 | 1291 | 1292 | 1293 | 1294 | 1295 | 1296 | 1297 | 1298 | 1299 | 1300 | 1301 | 1302 | 1303 | 1304 | 1305 | 1306 | 1307 | 1308 | 1309 | 1310 | 1311 | 1312 | 1313 | 1314 | 1315 | 1316 | 1317 | 1318 | 1319 | 1320 | 1321 | 1322 | 1323 | 1324 | 1325 | 1326 | 1327 | 1328 | 1329 | 1330 | 1331 | 1332 | 1333 | 1334 | 1335 | 1336 | 1337 | 1338 | 1339 | 1340 | 1341 | 1342 | 1343 | 1344 | 1345 | 1346 | 1347 | 1348 | 1349 | 1350 | 1351 | 1352 | 1353 | 1354 | 1355 | 1356 | 1357 | 1358 | 1359 | 1360 | 1361 | 1362 | 1363 | 1364 | 1365 | 1366 | 1367 | 1368 | 1369 | 1370 | 1371 | 1372 | 1373 | 1374 | 1375 | 1376 | 1377 | 1378 | 1379 | 1380 | 1381 | 1382 | 1383 | 1384 | 1385 | 1386 | 1387 | 1388 | 1389 | 1390 | 1391 | 1392 | 1393 | 1394 | 1395 | 1396 | 1397 | 1398 | 1399 | 1400 | 1401 | 1402 | 1403 | 1404 | 1405 | 1406 | 1407 | 1408 | 1409 | 1410 | 1411 | 1412 | 1413 | 1414 | 1415 | 1416 | 1417 | 1418 | 1419 | 1420 | 1421 | 1422 | 1423 | 1424 | 1425 | 1426 | 1427 | 1428 | 1429 | 1430 | 1431 | 1432 | 1433 | 1434 | 1435 | 1436 | 1437 | 1438 | 1439 | 1440 | 1441 | 1442 | 1443 | 1444 | 1445 | 1446 | 1447 | 1448 | 1449 | 1450 | 1451 | 1452 | 1453 | 1454 | 1455 | 1456 | 1457 | 1458 | 1459 | 1460 | 1461 | 1462 | 1463 | 1464 | 1465 | 1466 | 1467 | 1468 | 1469 | 1470 | 1471 | 1472 | 1473 | 1474 | 1475 | 1476 | 1477 | 1478 | 1479 | 1480 | 1481 | 1482 | 1483 | 1484 | 1485 | 1486 | 1487 |
|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-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|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-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Tabula Equationū Solis.



| Lineam/<br>merico/<br>munes |    |  |  | Equa-<br>tio<br>solis |    |    |   | Dia eq/<br>tio<br>nis |    |  |  | Lineam/<br>merico/<br>munes |    |  |  | Equa-<br>tio<br>solis |    |    |   | Dia eq/<br>tio<br>nis |    |  |  |
|-----------------------------|----|--|--|-----------------------|----|----|---|-----------------------|----|--|--|-----------------------------|----|--|--|-----------------------|----|----|---|-----------------------|----|--|--|
| 8                           |    |  |  | m                     |    |    |   | A                     |    |  |  | 8                           |    |  |  | m                     |    |    |   | A                     |    |  |  |
| o                           |    |  |  | nue                   |    |    |   |                       |    |  |  | o                           |    |  |  | nue                   |    |    |   |                       |    |  |  |
| 5                           | 5  |  |  | 5                     | m  | i  | m | 2                     |    |  |  | 5                           | 5  |  |  | 5                     | m  | i  | m | 2                     |    |  |  |
| 1                           | 59 |  |  | o                     | 2  | 10 |   | 2                     | 10 |  |  | 31                          | 29 |  |  | 1                     | 4  | 46 |   | 1                     | 52 |  |  |
| 2                           | 58 |  |  | o                     | 4  | 19 |   | 2                     | 9  |  |  | 32                          | 28 |  |  | 1                     | 6  | 37 |   | 1                     | 51 |  |  |
| 3                           | 57 |  |  | o                     | 6  | 27 |   | 2                     | 8  |  |  | 33                          | 27 |  |  | 1                     | 8  | 28 |   | 1                     | 51 |  |  |
| 4                           | 56 |  |  | o                     | 8  | 36 |   | 2                     | 9  |  |  | 34                          | 26 |  |  | 1                     | 10 | 19 |   | 1                     | 51 |  |  |
| 5                           | 55 |  |  | o                     | 10 | 44 |   | 2                     | 8  |  |  | 35                          | 25 |  |  | 1                     | 12 | 9  |   | 1                     | 50 |  |  |
| 6                           | 54 |  |  | o                     | 12 | 53 |   | 2                     | 9  |  |  | 36                          | 24 |  |  | 1                     | 13 | 56 |   | 1                     | 47 |  |  |
| 7                           | 53 |  |  | o                     | 15 | 2  |   | 2                     | 9  |  |  | 37                          | 23 |  |  | 1                     | 15 | 41 |   | 1                     | 45 |  |  |
| 8                           | 52 |  |  | o                     | 17 | 10 |   | 2                     | 8  |  |  | 38                          | 22 |  |  | 1                     | 17 | 24 |   | 1                     | 43 |  |  |
| 9                           | 51 |  |  | o                     | 19 | 19 |   | 2                     | 9  |  |  | 39                          | 21 |  |  | 1                     | 19 | 6  |   | 1                     | 42 |  |  |
| 10                          | 50 |  |  | o                     | 21 | 28 |   | 2                     | 9  |  |  | 40                          | 20 |  |  | 1                     | 20 | 48 |   | 1                     | 42 |  |  |
| 11                          | 49 |  |  | o                     | 23 | 36 |   | 2                     | 8  |  |  | 41                          | 19 |  |  | 1                     | 22 | 29 |   | 1                     | 41 |  |  |
| 12                          | 48 |  |  | o                     | 25 | 45 |   | 2                     | 9  |  |  | 42                          | 18 |  |  | 1                     | 24 | 10 |   | 1                     | 41 |  |  |
| 13                          | 47 |  |  | o                     | 27 | 53 |   | 2                     | 8  |  |  | 43                          | 17 |  |  | 1                     | 25 | 50 |   | 1                     | 40 |  |  |
| 14                          | 46 |  |  | o                     | 30 | 1  |   | 2                     | 8  |  |  | 44                          | 16 |  |  | 1                     | 27 | 29 |   | 1                     | 39 |  |  |
| 15                          | 45 |  |  | o                     | 32 | 8  |   | 2                     | 7  |  |  | 45                          | 15 |  |  | 1                     | 29 | 8  |   | 1                     | 39 |  |  |
| 16                          | 44 |  |  | o                     | 34 | 16 |   | 2                     | 8  |  |  | 46                          | 14 |  |  | 1                     | 30 | 46 |   | 1                     | 38 |  |  |
| 17                          | 43 |  |  | o                     | 36 | 23 |   | 2                     | 7  |  |  | 47                          | 13 |  |  | 1                     | 32 | 23 |   | 1                     | 37 |  |  |
| 18                          | 42 |  |  | o                     | 38 | 30 |   | 2                     | 7  |  |  | 48                          | 12 |  |  | 1                     | 33 | 59 |   | 1                     | 36 |  |  |
| 19                          | 41 |  |  | o                     | 40 | 37 |   | 2                     | 7  |  |  | 49                          | 11 |  |  | 1                     | 35 | 30 |   | 1                     | 31 |  |  |
| 20                          | 40 |  |  | o                     | 42 | 43 |   | 2                     | 6  |  |  | 50                          | 10 |  |  | 1                     | 37 | 0  |   | 1                     | 30 |  |  |
| 21                          | 39 |  |  | o                     | 44 | 49 |   | 2                     | 6  |  |  | 51                          | 9  |  |  | 1                     | 38 | 30 |   | 1                     | 30 |  |  |
| 22                          | 38 |  |  | o                     | 46 | 55 |   | 2                     | 6  |  |  | 52                          | 8  |  |  | 1                     | 39 | 58 |   | 1                     | 28 |  |  |
| 23                          | 37 |  |  | o                     | 48 | 59 |   | 2                     | 4  |  |  | 53                          | 7  |  |  | 1                     | 41 | 27 |   | 1                     | 29 |  |  |
| 24                          | 36 |  |  | o                     | 51 | 4  |   | 2                     | 5  |  |  | 54                          | 6  |  |  | 1                     | 42 | 54 |   | 1                     | 27 |  |  |
| 25                          | 35 |  |  | o                     | 53 | 4  |   | 2                     | 0  |  |  | 55                          | 5  |  |  | 1                     | 44 | 14 |   | 1                     | 20 |  |  |
| 26                          | 34 |  |  | o                     | 55 | 2  |   | 1                     | 58 |  |  | 56                          | 4  |  |  | 1                     | 45 | 34 |   | 1                     | 20 |  |  |
| 27                          | 33 |  |  | o                     | 57 | 1  |   | 1                     | 59 |  |  | 57                          | 3  |  |  | 1                     | 46 | 53 |   | 1                     | 19 |  |  |
| 28                          | 32 |  |  | o                     | 58 | 59 |   | 1                     | 58 |  |  | 58                          | 2  |  |  | 1                     | 48 | 10 |   | 1                     | 17 |  |  |
| 29                          | 31 |  |  | 1                     | 0  | 57 |   | 1                     | 58 |  |  | 59                          | 1  |  |  | 1                     | 49 | 28 |   | 1                     | 18 |  |  |
| 30                          | 30 |  |  | 1                     | 1  | 54 |   | 1                     | 57 |  |  | 60                          | 0  |  |  | 1                     | 50 | 44 |   | 1                     | 16 |  |  |
|                             |    |  |  |                       |    |    |   |                       |    |  |  |                             |    |  |  |                       |    |    |   |                       |    |  |  |
|                             | 5  |  |  | Adde                  |    | Ad |   |                       |    |  |  |                             | 5  |  |  | Adde                  |    | Ad |   |                       |    |  |  |
|                             | 8  |  |  |                       |    |    |   |                       |    |  |  |                             | 8  |  |  |                       |    |    |   |                       |    |  |  |

Tabula Equationū Solis.

O

| Linee nu-<br>meri co-<br>munes. |    |  | Equa-<br>tio<br>solis |    |    | Dīa eq-<br>tio<br>nis |    |  | Linee nu-<br>meri co-<br>munes. |    |  | Equa-<br>tio<br>solis |    |    | Dīa eq-<br>tio<br>nis |    |  |
|---------------------------------|----|--|-----------------------|----|----|-----------------------|----|--|---------------------------------|----|--|-----------------------|----|----|-----------------------|----|--|
| 5                               |    |  | 51                    |    |    | 2                     |    |  | 5                               |    |  | 51                    |    |    | 2                     |    |  |
| 1                               |    |  | nuc                   |    |    |                       |    |  | 1                               |    |  | nuc                   |    |    |                       |    |  |
| 5                               | 5  |  | 5                     | m  | 1  | m                     | 1  |  | 5                               | 5  |  | 5                     | m  | 1  | m                     | 1  |  |
| 1                               | 59 |  | 1                     | 51 | 51 | 1                     | 7  |  | 21                              | 29 |  | 2                     | 9  | 59 | 0                     | 1  |  |
| 2                               | 58 |  | 1                     | 52 | 56 | 1                     | 5  |  | 32                              | 28 |  | 2                     | 10 | 0  | 0                     | 0  |  |
| 3                               | 57 |  | 1                     | 54 | 0  | 1                     | 4  |  | 33                              | 27 |  | 2                     | 10 | 0  | 0                     | 0  |  |
| 4                               | 56 |  | 1                     | 55 | 6  | 1                     | 9  |  | 34                              | 26 |  | 2                     | 10 | 0  | 0                     | 3  |  |
| 5                               | 55 |  | 1                     | 56 | 9  | 1                     | 3  |  | 35                              | 25 |  | 2                     | 9  | 57 | 0                     | 6  |  |
| 6                               | 54 |  | 1                     | 57 | 11 | 1                     | 2  |  | 36                              | 24 |  | 2                     | 9  | 51 | 0                     | 15 |  |
| 7                               | 53 |  | 1                     | 58 | 2  | 0                     | 51 |  | 37                              | 23 |  | 2                     | 9  | 36 | 0                     | 16 |  |
| 8                               | 52 |  | 1                     | 58 | 52 | 0                     | 50 |  | 38                              | 22 |  | 2                     | 9  | 20 | 0                     | 18 |  |
| 9                               | 51 |  | 1                     | 59 | 41 | 0                     | 49 |  | 39                              | 21 |  | 2                     | 9  | 1  | 0                     | 17 |  |
| 10                              | 50 |  | 2                     | 0  | 26 | 0                     | 45 |  | 40                              | 20 |  | 2                     | 8  | 45 | 0                     | 20 |  |
| 11                              | 49 |  | 2                     | 1  | 16 | 0                     | 40 |  | 41                              | 19 |  | 2                     | 8  | 25 | 0                     | 19 |  |
| 12                              | 48 |  | 2                     | 2  | 2  | 0                     | 46 |  | 42                              | 18 |  | 2                     | 8  | 6  | 0                     | 25 |  |
| 13                              | 47 |  | 2                     | 2  | 42 | 0                     | 40 |  | 43                              | 17 |  | 2                     | 7  | 41 | 0                     | 27 |  |
| 14                              | 46 |  | 2                     | 3  | 21 | 0                     | 39 |  | 44                              | 16 |  | 2                     | 7  | 14 | 0                     | 28 |  |
| 15                              | 45 |  | 2                     | 3  | 59 | 0                     | 38 |  | 45                              | 15 |  | 2                     | 6  | 46 | 0                     | 28 |  |
| 16                              | 44 |  | 2                     | 4  | 36 | 0                     | 37 |  | 46                              | 14 |  | 2                     | 6  | 18 | 0                     | 30 |  |
| 17                              | 43 |  | 2                     | 5  | 16 | 0                     | 40 |  | 47                              | 13 |  | 2                     | 5  | 48 | 0                     | 30 |  |
| 18                              | 42 |  | 2                     | 5  | 48 | 0                     | 32 |  | 48                              | 12 |  | 2                     | 5  | 18 | 0                     | 36 |  |
| 19                              | 41 |  | 2                     | 6  | 17 | 0                     | 29 |  | 49                              | 11 |  | 2                     | 4  | 42 | 0                     | 37 |  |
| 20                              | 40 |  | 2                     | 6  | 45 | 0                     | 28 |  | 50                              | 10 |  | 2                     | 4  | 5  | 0                     | 38 |  |
| 21                              | 39 |  | 2                     | 7  | 12 | 0                     | 27 |  | 51                              | 9  |  | 2                     | 3  | 27 | 0                     | 50 |  |
| 22                              | 38 |  | 2                     | 7  | 37 | 0                     | 25 |  | 52                              | 8  |  | 2                     | 2  | 37 | 0                     | 52 |  |
| 23                              | 37 |  | 2                     | 8  | 2  | 0                     | 25 |  | 53                              | 7  |  | 2                     | 1  | 45 | 0                     | 54 |  |
| 24                              | 36 |  | 2                     | 8  | 27 | 0                     | 25 |  | 54                              | 6  |  | 2                     | 0  | 51 | 0                     | 58 |  |
| 25                              | 35 |  | 2                     | 8  | 45 | 0                     | 18 |  | 55                              | 5  |  | 1                     | 59 | 53 | 0                     | 58 |  |
| 26                              | 34 |  | 2                     | 9  | 1  | 0                     | 16 |  | 56                              | 4  |  | 1                     | 58 | 55 | 0                     | 58 |  |
| 27                              | 33 |  | 2                     | 9  | 17 | 0                     | 15 |  | 57                              | 3  |  | 1                     | 57 | 57 | 0                     | 58 |  |
| 28                              | 32 |  | 2                     | 9  | 22 | 0                     | 13 |  | 58                              | 2  |  | 1                     | 56 | 57 | 1                     | 0  |  |
| 29                              | 31 |  | 2                     | 9  | 45 | 0                     | 12 |  | 59                              | 1  |  | 1                     | 55 | 57 | 1                     | 0  |  |
| 30                              | 30 |  | 2                     | 9  | 57 | 0                     | 2  |  | 60                              | 0  |  | 1                     | 54 | 57 | 1                     | 11 |  |
|                                 | 4  |  | Adde                  |    |    |                       |    |  |                                 | 4  |  | Adde                  |    |    |                       |    |  |
|                                 | 5  |  |                       |    |    |                       |    |  |                                 | 5  |  |                       |    |    |                       |    |  |

Tabula Equationū Solis.

o

| Linee nu-<br>meri cō-<br>munes | Equa-<br>tio<br>solis | Dia eq-<br>tio<br>nis | Linee nu-<br>meri cō-<br>munes | Equa-<br>tio<br>solis | Dia eq-<br>tio<br>nis |
|--------------------------------|-----------------------|-----------------------|--------------------------------|-----------------------|-----------------------|
| 5                              | AD                    | AD                    | 5                              | AD                    | AD                    |
| 2                              | nue                   |                       | 2                              | nue                   |                       |
| 5                              | 5                     | 5 m 2 m 2             | 5                              | 5                     | 5 m 2 m 2             |
| 1                              | 59                    | 1 53 46               | 31                             | 29                    | 1 5 1                 |
| 2                              | 58                    | 1 52 35               | 32                             | 28                    | 1 1 54                |
| 3                              | 57                    | 1 51 24               | 33                             | 27                    | 1 0 47                |
| 4                              | 56                    | 1 50 12               | 34                             | 26                    | 0 58 40               |
| 5                              | 55                    | 1 48 59               | 35                             | 25                    | 0 56 33               |
| 6                              | 54                    | 1 47 46               | 36                             | 24                    | 0 54 25               |
| 7                              | 53                    | 1 46 10               | 37                             | 23                    | 0 52 17               |
| 8                              | 52                    | 1 44 53               | 38                             | 22                    | 0 50 9                |
| 9                              | 51                    | 1 43 26               | 39                             | 21                    | 0 48 1                |
| 10                             | 50                    | 1 41 57               | 40                             | 20                    | 0 45 53               |
| 11                             | 49                    | 1 40 27               | 41                             | 19                    | 0 43 44               |
| 12                             | 48                    | 1 38 57               | 42                             | 18                    | 0 41 35               |
| 13                             | 47                    | 1 37 25               | 43                             | 17                    | 0 39 26               |
| 14                             | 46                    | 1 35 53               | 44                             | 16                    | 0 37 16               |
| 15                             | 45                    | 1 34 20               | 45                             | 15                    | 0 35 6                |
| 16                             | 44                    | 1 32 46               | 46                             | 14                    | 0 32 51               |
| 17                             | 43                    | 1 31 12               | 47                             | 13                    | 0 30 35               |
| 18                             | 42                    | 1 29 33               | 48                             | 12                    | 0 28 19               |
| 19                             | 41                    | 1 27 50               | 49                             | 11                    | 0 26 1                |
| 20                             | 40                    | 1 26 3                | 50                             | 10                    | 0 23 42               |
| 21                             | 39                    | 1 24 16               | 51                             | 9                     | 0 21 22               |
| 22                             | 38                    | 1 22 28               | 52                             | 8                     | 0 19 1                |
| 23                             | 37                    | 1 20 40               | 53                             | 7                     | 0 16 40               |
| 24                             | 36                    | 1 18 51               | 54                             | 6                     | 0 14 19               |
| 25                             | 35                    | 1 17 0                | 55                             | 5                     | 0 11 58               |
| 26                             | 34                    | 1 15 8                | 56                             | 4                     | 0 9 36                |
| 27                             | 33                    | 1 13 16               | 57                             | 3                     | 0 7 12                |
| 28                             | 32                    | 1 11 13               | 58                             | 2                     | 0 4 48                |
| 29                             | 31                    | 1 9 10                | 59                             | 1                     | 0 2 24                |
| 30                             | 30                    | 1 7 7                 | 60                             | 0                     | 0 0 0                 |
|                                | 3                     | Adde                  |                                | 3                     | Adde                  |
|                                | 8                     |                       |                                | 8                     |                       |

Tabula Medij Motus Lune.

| 4    | 1    | 2    | 3    | 4    |      | 4    | 1    | 2    | 3    | 4    |
|------|------|------|------|------|------|------|------|------|------|------|
| 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   |
| 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26   |
| 27   | 28   | 29   | 30   | 31   | 32   | 33   | 34   | 35   | 36   | 37   |
| 38   | 39   | 40   | 41   | 42   | 43   | 44   | 45   | 46   | 47   | 48   |
| 49   | 50   | 51   | 52   | 53   | 54   | 55   | 56   | 57   | 58   | 59   |
| 60   | 61   | 62   | 63   | 64   | 65   | 66   | 67   | 68   | 69   | 70   |
| 71   | 72   | 73   | 74   | 75   | 76   | 77   | 78   | 79   | 80   | 81   |
| 82   | 83   | 84   | 85   | 86   | 87   | 88   | 89   | 90   | 91   | 92   |
| 93   | 94   | 95   | 96   | 97   | 98   | 99   | 100  | 101  | 102  | 103  |
| 104  | 105  | 106  | 107  | 108  | 109  | 110  | 111  | 112  | 113  | 114  |
| 115  | 116  | 117  | 118  | 119  | 120  | 121  | 122  | 123  | 124  | 125  |
| 126  | 127  | 128  | 129  | 130  | 131  | 132  | 133  | 134  | 135  | 136  |
| 137  | 138  | 139  | 140  | 141  | 142  | 143  | 144  | 145  | 146  | 147  |
| 148  | 149  | 150  | 151  | 152  | 153  | 154  | 155  | 156  | 157  | 158  |
| 159  | 160  | 161  | 162  | 163  | 164  | 165  | 166  | 167  | 168  | 169  |
| 170  | 171  | 172  | 173  | 174  | 175  | 176  | 177  | 178  | 179  | 180  |
| 181  | 182  | 183  | 184  | 185  | 186  | 187  | 188  | 189  | 190  | 191  |
| 192  | 193  | 194  | 195  | 196  | 197  | 198  | 199  | 200  | 201  | 202  |
| 203  | 204  | 205  | 206  | 207  | 208  | 209  | 210  | 211  | 212  | 213  |
| 214  | 215  | 216  | 217  | 218  | 219  | 220  | 221  | 222  | 223  | 224  |
| 225  | 226  | 227  | 228  | 229  | 230  | 231  | 232  | 233  | 234  | 235  |
| 236  | 237  | 238  | 239  | 240  | 241  | 242  | 243  | 244  | 245  | 246  |
| 247  | 248  | 249  | 250  | 251  | 252  | 253  | 254  | 255  | 256  | 257  |
| 258  | 259  | 260  | 261  | 262  | 263  | 264  | 265  | 266  | 267  | 268  |
| 269  | 270  | 271  | 272  | 273  | 274  | 275  | 276  | 277  | 278  | 279  |
| 280  | 281  | 282  | 283  | 284  | 285  | 286  | 287  | 288  | 289  | 290  |
| 291  | 292  | 293  | 294  | 295  | 296  | 297  | 298  | 299  | 300  | 301  |
| 302  | 303  | 304  | 305  | 306  | 307  | 308  | 309  | 310  | 311  | 312  |
| 313  | 314  | 315  | 316  | 317  | 318  | 319  | 320  | 321  | 322  | 323  |
| 324  | 325  | 326  | 327  | 328  | 329  | 330  | 331  | 332  | 333  | 334  |
| 335  | 336  | 337  | 338  | 339  | 340  | 341  | 342  | 343  | 344  | 345  |
| 346  | 347  | 348  | 349  | 350  | 351  | 352  | 353  | 354  | 355  | 356  |
| 357  | 358  | 359  | 360  | 361  | 362  | 363  | 364  | 365  | 366  | 367  |
| 368  | 369  | 370  | 371  | 372  | 373  | 374  | 375  | 376  | 377  | 378  |
| 379  | 380  | 381  | 382  | 383  | 384  | 385  | 386  | 387  | 388  | 389  |
| 390  | 391  | 392  | 393  | 394  | 395  | 396  | 397  | 398  | 399  | 400  |
| 401  | 402  | 403  | 404  | 405  | 406  | 407  | 408  | 409  | 410  | 411  |
| 412  | 413  | 414  | 415  | 416  | 417  | 418  | 419  | 420  | 421  | 422  |
| 423  | 424  | 425  | 426  | 427  | 428  | 429  | 430  | 431  | 432  | 433  |
| 434  | 435  | 436  | 437  | 438  | 439  | 440  | 441  | 442  | 443  | 444  |
| 445  | 446  | 447  | 448  | 449  | 450  | 451  | 452  | 453  | 454  | 455  |
| 456  | 457  | 458  | 459  | 460  | 461  | 462  | 463  | 464  | 465  | 466  |
| 467  | 468  | 469  | 470  | 471  | 472  | 473  | 474  | 475  | 476  | 477  |
| 478  | 479  | 480  | 481  | 482  | 483  | 484  | 485  | 486  | 487  | 488  |
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| 500  | 501  | 502  | 503  | 504  | 505  | 506  | 507  | 508  | 509  | 510  |
| 511  | 512  | 513  | 514  | 515  | 516  | 517  | 518  | 519  | 520  | 521  |
| 522  | 523  | 524  | 525  | 526  | 527  | 528  | 529  | 530  | 531  | 532  |
| 533  | 534  | 535  | 536  | 537  | 538  | 539  | 540  | 541  | 542  | 543  |
| 544  | 545  | 546  | 547  | 548  | 549  | 550  | 551  | 552  | 553  | 554  |
| 555  | 556  | 557  | 558  | 559  | 560  | 561  | 562  | 563  | 564  | 565  |
| 566  | 567  | 568  | 569  | 570  | 571  | 572  | 573  | 574  | 575  | 576  |
| 577  | 578  | 579  | 580  | 581  | 582  | 583  | 584  | 585  | 586  | 587  |
| 588  | 589  | 590  | 591  | 592  | 593  | 594  | 595  | 596  | 597  | 598  |
| 599  | 600  | 601  | 602  | 603  | 604  | 605  | 606  | 607  | 608  | 609  |
| 610  | 611  | 612  | 613  | 614  | 615  | 616  | 617  | 618  | 619  | 620  |
| 621  | 622  | 623  | 624  | 625  | 626  | 627  | 628  | 629  | 630  | 631  |
| 632  | 633  | 634  | 635  | 636  | 637  | 638  | 639  | 640  | 641  | 642  |
| 643  | 644  | 645  | 646  | 647  | 648  | 649  | 650  | 651  | 652  | 653  |
| 654  | 655  | 656  | 657  | 658  | 659  | 660  | 661  | 662  | 663  | 664  |
| 665  | 666  | 667  | 668  | 669  | 670  | 671  | 672  | 673  | 674  | 675  |
| 676  | 677  | 678  | 679  | 680  | 681  | 682  | 683  | 684  | 685  | 686  |
| 687  | 688  | 689  | 690  | 691  | 692  | 693  | 694  | 695  | 696  | 697  |
| 698  | 699  | 700  | 701  | 702  | 703  | 704  | 705  | 706  | 707  | 708  |
| 709  | 710  | 711  | 712  | 713  | 714  | 715  | 716  | 717  | 718  | 719  |
| 720  | 721  | 722  | 723  | 724  | 725  | 726  | 727  | 728  | 729  | 730  |
| 731  | 732  | 733  | 734  | 735  | 736  | 737  | 738  | 739  | 740  | 741  |
| 742  | 743  | 744  | 745  | 746  | 747  | 748  | 749  | 750  | 751  | 752  |
| 753  | 754  | 755  | 756  | 757  | 758  | 759  | 760  | 761  | 762  | 763  |
| 764  | 765  | 766  | 767  | 768  | 769  | 770  | 771  | 772  | 773  | 774  |
| 775  | 776  | 777  | 778  | 779  | 780  | 781  | 782  | 783  | 784  | 785  |
| 786  | 787  | 788  | 789  | 790  | 791  | 792  | 793  | 794  | 795  | 796  |
| 797  | 798  | 799  | 800  | 801  | 802  | 803  | 804  | 805  | 806  | 807  |
| 808  | 809  | 810  | 811  | 812  | 813  | 814  | 815  | 816  | 817  | 818  |
| 819  | 820  | 821  | 822  | 823  | 824  | 825  | 826  | 827  | 828  | 829  |
| 830  | 831  | 832  | 833  | 834  | 835  | 836  | 837  | 838  | 839  | 840  |
| 841  | 842  | 843  | 844  | 845  | 846  | 847  | 848  | 849  | 850  | 851  |
| 852  | 853  | 854  | 855  | 856  | 857  | 858  | 859  | 860  | 861  | 862  |
| 863  | 864  | 865  | 866  | 867  | 868  | 869  | 870  | 871  | 872  | 873  |
| 874  | 875  | 876  | 877  | 878  | 879  | 880  | 881  | 882  | 883  | 884  |
| 885  | 886  | 887  | 888  | 889  | 890  | 891  | 892  | 893  | 894  | 895  |
| 896  | 897  | 898  | 899  | 900  | 901  | 902  | 903  | 904  | 905  | 906  |
| 907  | 908  | 909  | 910  | 911  | 912  | 913  | 914  | 915  | 916  | 917  |
| 918  | 919  | 920  | 921  | 922  | 923  | 924  | 925  | 926  | 927  | 928  |
| 929  | 930  | 931  | 932  | 933  | 934  | 935  | 936  | 937  | 938  | 939  |
| 940  | 941  | 942  | 943  | 944  | 945  | 946  | 947  | 948  | 949  | 950  |
| 951  | 952  | 953  | 954  | 955  | 956  | 957  | 958  | 959  | 960  | 961  |
| 962  | 963  | 964  | 965  | 966  | 967  | 968  | 969  | 970  | 971  | 972  |
| 973  | 974  | 975  | 976  | 977  | 978  | 979  | 980  | 981  | 982  | 983  |
| 984  | 985  | 986  | 987  | 988  | 989  | 990  | 991  | 992  | 993  | 994  |
| 995  | 996  | 997  | 998  | 999  | 1000 | 1001 | 1002 | 1003 | 1004 | 1005 |
| 1006 | 1007 | 1008 | 1009 | 1010 | 1011 | 1012 | 1013 | 1014 | 1015 | 1016 |
| 1017 | 1018 | 1019 | 1020 | 1021 | 1022 | 1023 | 1024 | 1025 | 1026 | 1027 |
| 1028 | 1029 | 1030 | 1031 | 1032 | 1033 | 1034 | 1035 | 1036 | 1037 | 1038 |
| 1039 | 1040 | 1041 | 1042 | 1043 | 1044 | 1045 | 1046 | 1047 | 1048 | 1049 |
| 1050 | 1051 | 1052 | 1053 | 1054 | 1055 | 1056 | 1057 | 1058 | 1059 | 1060 |
| 1061 | 1062 | 1063 | 1064 | 1065 | 1066 | 1067 | 1068 | 1069 | 1070 | 1071 |
| 1072 | 1073 | 1074 | 1075 | 1076 | 1077 | 1078 | 1079 | 1080 | 1081 | 1082 |
| 1083 | 1084 | 1085 | 1086 | 1087 | 1088 | 1089 | 1090 | 1091 | 1092 | 1093 |
| 1094 | 1095 | 1096 | 1097 | 1098 | 1099 | 1100 | 1101 | 1102 | 1103 | 1104 |
| 1105 | 1106 | 1107 | 1108 | 1109 | 1110 | 1111 | 1112 | 1113 | 1114 | 1115 |
| 1116 | 1117 | 1118 | 1119 | 1120 | 1121 | 1122 | 1123 | 1124 | 1125 | 1126 |
| 1127 | 1128 | 1129 | 1130 | 1131 | 1132 | 1133 | 1134 | 1135 | 1136 | 1137 |
| 1138 | 1139 | 1140 | 1141 | 1142 | 1143 | 1144 | 1145 | 1146 | 1147 | 1148 |
| 1149 | 1150 | 1151 | 1152 | 1153 | 1154 | 1155 | 1156 | 1157 | 1158 | 1159 |
| 1160 | 1161 | 1162 | 1163 | 1164 | 1165 | 1166 | 1167 | 1168 | 1169 | 1170 |
| 1171 | 1172 | 1173 | 1174 | 1175 | 1176 | 1177 | 1178 | 1179 | 1180 | 1181 |
| 1182 | 1183 | 1184 | 1185 | 1186 | 1187 | 1188 | 1189 | 1190 | 1191 | 1192 |
| 1193 | 1194 | 1195 | 1196 | 1197 | 1198 | 1199 | 1200 | 1201 | 1202 | 1203 |
| 1204 | 1205 | 1206 | 1207 | 1208 | 1209 | 1210 | 1211 | 1212 | 1213 | 1214 |
| 1215 | 1216 | 1217 | 1218 | 1219 | 1220 | 1221 | 1222 | 1223 | 1224 | 1225 |
| 1226 | 1227 | 1228 | 1229 | 1230 | 1231 | 1232 | 1233 | 1234 | 1235 | 1236 |
| 1237 | 1238 | 1239 | 1240 | 1241 | 1242 | 1243 | 1244 | 1245 | 1246 | 1247 |
| 1248 | 1249 | 1250 | 1251 | 1252 | 1253 | 1254 | 1255 | 1256 | 1257 | 1258 |
| 1259 | 1260 | 1261 | 1262 | 1263 | 1264 | 1265 | 1266 | 1267 | 1268 | 1269 |
| 1270 | 1271 | 1272 | 1273 | 1274 | 1275 | 1276 | 1277 | 1278 | 1279 | 1280 |
| 1281 | 1282 | 1283 | 1284 | 1285 | 1286 | 1287 | 1288 | 1289 | 1290 | 1291 |
| 1292 | 1293 | 1294 | 1295 | 1296 | 1297 | 1298 | 1299 | 1300 | 1301 | 1302 |
| 1303 | 1304 | 1305 | 1306 | 1307 | 1308 | 1309 | 1310 | 1311 | 1312 | 1313 |
| 1314 | 1315 | 1316 | 1317 | 1318 | 1319 | 1320 | 1321 | 1322 | 1323 | 1324 |
| 1325 | 1326 | 1327 | 1328 | 1329 | 1330 | 1331 | 1332 | 1333 | 1334 | 1335 |
| 1336 | 1337 | 1338 | 1339 | 1340 | 1341 | 1342 | 1343 | 1344 | 1345 | 1346 |
| 1347 | 1348 | 1349 | 1350 | 1351 | 1352 | 1353 | 1354 | 1355 | 1356 | 1357 |
| 1358 | 1359 | 1360 | 1361 | 1362 | 1363 | 1364 | 1365 | 1366 | 1367 | 1368 |
| 1369 | 1370 | 1371 | 1372 | 1373 | 1374 | 1375 | 1376 | 1377 | 1378 | 1379 |
| 1380 | 1381 | 1382 | 1383 | 1384 | 1385 | 1386 | 1387 | 1388 | 1389 | 1390 |
| 1391 | 1392 | 1393 | 1394 | 1395 | 1396 | 1397 | 1398 | 1399 | 1400 | 1401 |

**Tabula Medij Argumenti Lune.**

| 4  | I | 2  | 3  | 4  | 4  | I  | 2  | 3  | 4  |    |    |    |    |    |    |    |    |    |    |
|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 3  | 6 | 6  | m  | 2  | 3  | 4  | 3  | 6  | 6  | m  | 2  | 3  | 4  |    |    |    |    |    |    |
| 2  |   | 6  | 6  | m  | 2  | 3  | 4  | 2  |    | 6  | 6  | m  | 2  | 3  | 4  |    |    |    |    |
| I  |   |    | 6  | 6  | m  | 2  | 3  | 4  | I  |    |    | 6  | 6  | m  | 2  | 3  | 4  |    |    |
|    |   |    |    | 6  | 6  | m  | 2  | 3  | 4  |    |    |    | 6  | 6  | m  | 2  | 3  | 4  |    |
| I  | 0 | 13 | 3  | 53 | 57 | 30 | 21 | 4  | 13 | 31 | 6  | 45 | 0  | 51 | 41 | 40 | 53 | 10 | 43 |
| 2  | 0 | 26 | 7  | 47 | 55 | 0  | 42 | 8  | 26 | 32 | 6  | 58 | 4  | 46 | 40 | 11 | 14 | 14 | 56 |
| 3  | 0 | 39 | 11 | 41 | 52 | 31 | 3  | 12 | 39 | 33 | 7  | 11 | 8  | 40 | 37 | 41 | 35 | 19 | 9  |
| 4  | 0 | 52 | 15 | 35 | 50 | 1  | 24 | 16 | 52 | 34 | 7  | 24 | 12 | 34 | 35 | 11 | 56 | 23 | 22 |
| 5  | 1 | 5  | 19 | 19 | 47 | 31 | 45 | 21 | 5  | 35 | 7  | 37 | 16 | 18 | 32 | 42 | 17 | 27 | 35 |
| 6  | 1 | 18 | 23 | 23 | 45 | 1  | 6  | 25 | 18 | 36 | 7  | 50 | 20 | 22 | 30 | 12 | 38 | 31 | 48 |
| 7  | 1 | 31 | 27 | 17 | 42 | 32 | 17 | 29 | 31 | 37 | 8  | 3  | 24 | 16 | 17 | 42 | 59 | 36 | 1  |
| 8  | 1 | 44 | 31 | 11 | 40 | 2  | 48 | 33 | 44 | 38 | 8  | 16 | 28 | 10 | 25 | 13 | 20 | 40 | 14 |
| 9  | 1 | 57 | 35 | 5  | 37 | 33 | 9  | 37 | 57 | 39 | 8  | 29 | 32 | 4  | 22 | 43 | 41 | 44 | 27 |
| 10 | 2 | 10 | 38 | 59 | 35 | 3  | 30 | 42 | 10 | 40 | 8  | 42 | 35 | 58 | 20 | 14 | 2  | 48 | 40 |
| 11 | 2 | 23 | 42 | 53 | 32 | 33 | 51 | 46 | 23 | 41 | 8  | 55 | 39 | 52 | 17 | 44 | 23 | 52 | 53 |
| 12 | 2 | 36 | 46 | 47 | 30 | 4  | 12 | 50 | 36 | 42 | 9  | 8  | 43 | 46 | 15 | 14 | 44 | 57 | 6  |
| 13 | 2 | 49 | 50 | 41 | 27 | 34 | 33 | 54 | 49 | 43 | 9  | 21 | 47 | 40 | 12 | 45 | 6  | 1  | 19 |
| 14 | 3 | 2  | 54 | 35 | 25 | 4  | 54 | 59 | 2  | 44 | 9  | 34 | 51 | 34 | 10 | 35 | 27 | 5  | 32 |
| 15 | 3 | 15 | 58 | 29 | 22 | 35 | 16 | 3  | 15 | 45 | 9  | 47 | 55 | 28 | 7  | 45 | 48 | 9  | 45 |
| 16 | 3 | 29 | 2  | 23 | 20 | 5  | 37 | 7  | 28 | 46 | 10 | 0  | 59 | 22 | 5  | 16 | 9  | 13 | 58 |
| 17 | 3 | 42 | 6  | 17 | 17 | 35 | 58 | 11 | 42 | 47 | 10 | 14 | 3  | 16 | 2  | 46 | 30 | 18 | 11 |
| 18 | 3 | 55 | 10 | 11 | 15 | 6  | 19 | 15 | 54 | 48 | 10 | 27 | 7  | 10 | 0  | 16 | 51 | 22 | 24 |
| 19 | 4 | 8  | 14 | 5  | 12 | 36 | 40 | 20 | 7  | 49 | 10 | 40 | 11 | 3  | 57 | 47 | 12 | 26 | 37 |
| 20 | 4 | 21 | 17 | 59 | 10 | 7  | 1  | 24 | 20 | 50 | 10 | 53 | 14 | 57 | 55 | 17 | 33 | 30 | 50 |
| 21 | 4 | 34 | 21 | 53 | 7  | 37 | 22 | 28 | 33 | 51 | 11 | 6  | 18 | 51 | 52 | 47 | 54 | 35 | 3  |
| 22 | 4 | 47 | 25 | 47 | 5  | 7  | 43 | 32 | 46 | 52 | 11 | 19 | 22 | 45 | 50 | 18 | 15 | 39 | 16 |
| 23 | 5 | 0  | 29 | 41 | 2  | 38 | 4  | 36 | 59 | 53 | 11 | 32 | 26 | 39 | 47 | 48 | 36 | 43 | 29 |
| 24 | 5 | 13 | 33 | 35 | 0  | 8  | 25 | 41 | 12 | 54 | 11 | 45 | 30 | 33 | 45 | 18 | 57 | 47 | 42 |
| 25 | 5 | 26 | 37 | 28 | 57 | 38 | 46 | 45 | 25 | 55 | 11 | 58 | 34 | 27 | 42 | 49 | 18 | 51 | 55 |
| 26 | 5 | 39 | 41 | 22 | 55 | 9  | 7  | 40 | 38 | 56 | 12 | 11 | 38 | 21 | 40 | 19 | 39 | 56 | 8  |
| 27 | 5 | 52 | 45 | 16 | 52 | 39 | 28 | 53 | 51 | 57 | 12 | 24 | 42 | 15 | 37 | 50 | 1  | 0  | 21 |
| 28 | 6 | 5  | 49 | 10 | 50 | 9  | 49 | 58 | 4  | 58 | 12 | 37 | 46 | 9  | 35 | 20 | 22 | 4  | 34 |
| 29 | 6 | 18 | 43 | 4  | 47 | 40 | 11 | 2  | 17 | 59 | 12 | 50 | 50 | 3  | 32 | 50 | 43 | 8  | 47 |
| 30 | 6 | 31 | 56 | 58 | 45 | 10 | 32 | 6  | 30 | 60 | 13 | 3  | 53 | 57 | 30 | 21 | 4  | 13 | 0  |
| m  | 6 | m  | 2  | 3  | 4  |    |    |    |    | m  | 6  | m  | 2  | 3  | 4  |    |    |    |    |
| 1  | 1 | 1  | 3  | 4  |    |    |    |    |    | 1  | 1  | 1  | 3  | 4  |    |    |    |    |    |
| 2  | 2 | 2  | 3  | 4  |    |    |    |    |    | 2  | 2  | 2  | 3  | 4  |    |    |    |    |    |
| 3  | 3 | 3  | 3  | 4  |    |    |    |    |    | 3  | 3  | 3  | 3  | 4  |    |    |    |    |    |
| 4  | 4 | 4  | 4  |    |    |    |    |    |    | 4  | 4  | 4  | 4  |    |    |    |    |    |    |

Tabula Equationū Lune.

| Linee nu<br>merico<br>munes |    |  | Equa<br>tio<br>cētri |    |   | D<br>i<br>u<br>er<br>sitas<br>di<br>a<br>m<br>etri | Equa<br>tio ar<br>gumēti |    |   |   |       |
|-----------------------------|----|--|----------------------|----|---|----------------------------------------------------|--------------------------|----|---|---|-------|
| S                           |    |  | Adde                 |    |   |                                                    | Mi                       |    |   |   |       |
| 0                           |    |  |                      |    |   |                                                    |                          |    |   |   |       |
| S                           | S  |  | S                    | m  | m | m                                                  | S                        | m  | z | m | z     |
|                             |    |  |                      |    |   |                                                    |                          |    |   |   |       |
|                             |    |  |                      |    |   |                                                    |                          |    |   |   |       |
| 1                           | 59 |  | 0                    | 9  | 9 | 0                                                  | 0                        | 3  | 3 | 0 | 4 46  |
| 2                           | 58 |  | 0                    | 18 | 9 | 0                                                  | 0                        | 5  | 2 | 0 | 9 31  |
| 3                           | 57 |  | 0                    | 27 | 9 | 0                                                  | 0                        | 7  | 2 | 0 | 14 15 |
| 4                           | 56 |  | 0                    | 36 | 9 | 0                                                  | 0                        | 10 | 3 | 0 | 19 0  |
| 5                           | 55 |  | 0                    | 45 | 9 | 0                                                  | 0                        | 12 | 2 | 0 | 23 44 |
| 6                           | 54 |  | 0                    | 53 | 8 | 0                                                  | 0                        | 14 | 2 | 0 | 28 28 |
| 7                           | 53 |  | 1                    | 2  | 9 | 0                                                  | 0                        | 17 | 3 | 0 | 33 11 |
| 8                           | 52 |  | 1                    | 11 | 9 | 0                                                  | 0                        | 19 | 2 | 0 | 37 54 |
| 9                           | 51 |  | 1                    | 20 | 9 | 0                                                  | 0                        | 21 | 2 | 0 | 42 37 |
| 10                          | 50 |  | 1                    | 29 | 9 | 0                                                  | 0                        | 24 | 3 | 0 | 47 19 |
| 11                          | 49 |  | 1                    | 38 | 9 | 0                                                  | 0                        | 26 | 2 | 0 | 51 0  |
| 12                          | 48 |  | 1                    | 46 | 8 | 1                                                  | 0                        | 28 | 2 | 0 | 56 41 |
| 13                          | 47 |  | 1                    | 55 | 9 | 0                                                  | 0                        | 31 | 3 | 1 | 1 20  |
| 14                          | 46 |  | 2                    | 4  | 9 | 0                                                  | 0                        | 33 | 2 | 1 | 5 59  |
| 15                          | 45 |  | 2                    | 13 | 9 | 0                                                  | 0                        | 35 | 2 | 1 | 10 37 |
| 16                          | 44 |  | 2                    | 22 | 9 | 0                                                  | 0                        | 38 | 3 | 1 | 15 15 |
| 17                          | 43 |  | 2                    | 31 | 9 | 0                                                  | 0                        | 40 | 2 | 1 | 19 51 |
| 18                          | 42 |  | 2                    | 39 | 8 | 1                                                  | 0                        | 42 | 2 | 1 | 24 27 |
| 19                          | 41 |  | 2                    | 48 | 9 | 1                                                  | 0                        | 45 | 3 | 1 | 29 0  |
| 20                          | 40 |  | 2                    | 57 | 9 | 1                                                  | 0                        | 47 | 2 | 1 | 33 32 |
| 21                          | 39 |  | 3                    | 5  | 8 | 0                                                  | 0                        | 49 | 2 | 1 | 38 3  |
| 22                          | 38 |  | 3                    | 14 | 9 | 0                                                  | 0                        | 52 | 3 | 1 | 42 33 |
| 23                          | 37 |  | 3                    | 23 | 9 | 0                                                  | 0                        | 54 | 2 | 1 | 47 1  |
| 24                          | 36 |  | 3                    | 31 | 8 | 0                                                  | 0                        | 57 | 3 | 1 | 51 27 |
| 25                          | 35 |  | 3                    | 40 | 9 | 0                                                  | 0                        | 59 | 2 | 1 | 55 52 |
| 26                          | 34 |  | 3                    | 49 | 9 | 0                                                  | 0                        | 1  | 2 | 2 | 0 15  |
| 27                          | 33 |  | 3                    | 57 | 8 | 1                                                  | 0                        | 1  | 2 | 2 | 4 37  |
| 28                          | 32 |  | 4                    | 6  | 9 | 0                                                  | 0                        | 3  | 3 | 2 | 8 57  |
| 29                          | 31 |  | 4                    | 15 | 9 | 0                                                  | 0                        | 6  | 2 | 2 | 13 14 |
| 30                          | 30 |  | 4                    | 23 | 8 | 1                                                  | 0                        | 8  | 2 | 2 | 17 29 |
|                             |    |  |                      |    | 9 | 1                                                  | 0                        | 10 | 3 | 2 |       |
|                             | 5  |  | Mi                   |    |   |                                                    |                          |    |   |   |       |
|                             | 0  |  | nue                  |    |   |                                                    |                          |    |   |   |       |
|                             |    |  | Adde                 |    |   |                                                    |                          |    |   |   |       |

Tabula Equationū Lune.

| Linee nu<br>meri cō<br>munes | Equa<br>tio<br>cētri | Equa<br>tio ar<br>gumēti | Diner<br>itas<br>dia<br>metri | Equa<br>tio ar<br>gumēti |
|------------------------------|----------------------|--------------------------|-------------------------------|--------------------------|
| 31                           | 29                   | 4 32                     | 1 12                          | 2 21 43                  |
| 32                           | 28                   | 4 41                     | 1 14                          | 2 25 55                  |
| 33                           | 27                   | 4 49                     | 1 16                          | 2 30 5                   |
| 34                           | 26                   | 4 58                     | 1 19                          | 2 34 12                  |
| 35                           | 25                   | 5 7                      | 1 21                          | 2 38 17                  |
| 36                           | 24                   | 5 15                     | 1 23                          | 2 42 21                  |
| 37                           | 23                   | 5 24                     | 1 25                          | 2 46 22                  |
| 38                           | 22                   | 5 33                     | 1 27                          | 2 50 19                  |
| 39                           | 21                   | 5 41                     | 1 29                          | 2 54 14                  |
| 40                           | 20                   | 5 50                     | 1 31                          | 2 58 7                   |
| 41                           | 19                   | 5 59                     | 1 33                          | 3 1 58                   |
| 42                           | 18                   | 6 7                      | 1 35                          | 3 5 46                   |
| 43                           | 17                   | 6 16                     | 1 37                          | 3 9 31                   |
| 44                           | 16                   | 6 25                     | 1 39                          | 3 13 13                  |
| 45                           | 15                   | 6 33                     | 1 40                          | 3 16 51                  |
| 46                           | 14                   | 6 42                     | 1 42                          | 3 20 16                  |
| 47                           | 13                   | 6 50                     | 1 44                          | 3 23 59                  |
| 48                           | 12                   | 6 58                     | 1 45                          | 3 27 30                  |
| 49                           | 11                   | 7 7                      | 1 47                          | 3 30 57                  |
| 50                           | 10                   | 7 15                     | 1 48                          | 3 34 10                  |
| 51                           | 9                    | 7 23                     | 1 49                          | 3 37 40                  |
| 52                           | 8                    | 7 32                     | 1 51                          | 3 40 57                  |
| 53                           | 7                    | 7 40                     | 1 53                          | 3 44 10                  |
| 54                           | 6                    | 7 48                     | 1 54                          | 3 47 20                  |
| 55                           | 5                    | 7 56                     | 1 56                          | 3 50 16                  |
| 56                           | 4                    | 8 4                      | 1 58                          | 3 53 29                  |
| 57                           | 3                    | 8 12                     | 1 59                          | 3 56 30                  |
| 58                           | 2                    | 8 20                     | 2 1                           | 3 59 16                  |
| 59                           | 1                    | 8 28                     | 2 2                           | 4 2 17                   |
| 60                           | 0                    | 8 36                     | 2 3                           | 4 5 4                    |

Tabula Equationum Lune.

| Lineenu<br>merico,<br>munes |    | Equa-<br>tio<br>cetri<br>Addē |    | Equi-<br>codici | Diver-<br>sitas<br>dia-<br>metri |   | Equa-<br>tio ar-<br>gumēti |    | Equi-<br>codici |
|-----------------------------|----|-------------------------------|----|-----------------|----------------------------------|---|----------------------------|----|-----------------|
| I                           | I  | g                             | m  |                 | I                                | I | g                          | m  |                 |
| 1                           | 59 | 8                             | 44 | 8               | I                                | 2 | 4                          | 7  | 47              |
| 2                           | 58 | 8                             | 52 | 13              | O                                | 2 | 4                          | 10 | 27              |
| 3                           | 57 | 8                             | 59 | 7               | I                                | 2 | 4                          | 13 | 3               |
| 4                           | 56 | 9                             | 7  | 14              | O                                | 2 | 4                          | 15 | 35              |
| 5                           | 55 | 9                             | 15 | 8               | I                                | 2 | 4                          | 18 | 3               |
| 6                           | 54 | 9                             | 22 | 15              | O                                | 2 | 4                          | 20 | 27              |
| 7                           | 53 | 9                             | 30 | 15              | I                                | 2 | 4                          | 22 | 47              |
| 8                           | 52 | 9                             | 37 | 7               | O                                | 2 | 4                          | 25 | 1               |
| 9                           | 51 | 9                             | 44 | 16              | I                                | 2 | 4                          | 27 | 12              |
| 10                          | 50 | 9                             | 52 | 8               | O                                | 2 | 4                          | 29 | 18              |
| 11                          | 49 | 9                             | 59 | 17              | I                                | 2 | 4                          | 31 | 20              |
| 12                          | 48 | 10                            | 6  | 17              | O                                | 2 | 4                          | 33 | 18              |
| 13                          | 47 | 10                            | 13 | 18              | I                                | 2 | 4                          | 35 | 11              |
| 14                          | 46 | 10                            | 20 | 18              | O                                | 2 | 4                          | 36 | 59              |
| 15                          | 45 | 10                            | 27 | 19              | I                                | 2 | 4                          | 38 | 43              |
| 16                          | 44 | 10                            | 34 | 20              | O                                | 2 | 4                          | 40 | 23              |
| 17                          | 43 | 10                            | 41 | 20              | I                                | 2 | 4                          | 41 | 58              |
| 18                          | 42 | 10                            | 48 | 21              | O                                | 2 | 4                          | 43 | 28              |
| 19                          | 41 | 10                            | 55 | 21              | I                                | 2 | 4                          | 44 | 53              |
| 20                          | 40 | 11                            | 2  | 22              | O                                | 2 | 4                          | 46 | 13              |
| 21                          | 39 | 11                            | 8  | 22              | I                                | 2 | 4                          | 47 | 26              |
| 22                          | 38 | 11                            | 15 | 23              | O                                | 2 | 4                          | 48 | 35              |
| 23                          | 37 | 11                            | 22 | 23              | I                                | 2 | 4                          | 49 | 38              |
| 24                          | 36 | 11                            | 27 | 24              | O                                | 2 | 4                          | 50 | 41              |
| 25                          | 35 | 11                            | 32 | 24              | I                                | 2 | 4                          | 51 | 38              |
| 26                          | 34 | 11                            | 39 | 25              | O                                | 2 | 4                          | 52 | 28              |
| 27                          | 33 | 11                            | 44 | 25              | I                                | 2 | 4                          | 53 | 11              |
| 28                          | 32 | 11                            | 50 | 26              | O                                | 2 | 4                          | 53 | 50              |
| 29                          | 31 | 12                            | 0  | 26              | I                                | 2 | 4                          | 54 | 25              |
| 30                          | 30 | 12                            | 0  | 26              | O                                | 2 | 4                          | 54 | 54              |
| 4                           | 22 | 22                            | 22 | 22              | I                                | 2 | 4                          | 54 | 54              |
| 5                           | 22 | 22                            | 22 | 22              | O                                | 2 | 4                          | 54 | 54              |



Tabula Equationū Lune.

| Linea<br>merico<br>munes |    | Equa<br>tio<br>cetri |    | Diner<br>fitas<br>dia |   | Equa<br>tioar,<br>gunti. |       |
|--------------------------|----|----------------------|----|-----------------------|---|--------------------------|-------|
| Adde                     |    | Adde                 |    | metri                 |   | Adde                     |       |
| I                        | I  | I                    | I  | I                     | I | I                        | I     |
| 5                        | 5  | 5                    | 5  | 5                     | 5 | 5                        | 5     |
| 31                       | 29 | 12                   | 5  | 27                    | 1 | 237                      | 45518 |
| 32                       | 28 | 12                   | 10 | 27                    | 1 | 237                      | 45537 |
| 33                       | 27 | 12                   | 15 | 28                    | 1 | 238                      | 45549 |
| 34                       | 26 | 12                   | 20 | 28                    | 1 | 238                      | 45555 |
| 35                       | 25 | 12                   | 24 | 29                    | 1 | 238                      | 4550  |
| 36                       | 24 | 12                   | 28 | 30                    | 1 | 238                      | 45556 |
| 37                       | 23 | 12                   | 32 | 30                    | 1 | 238                      | 45543 |
| 38                       | 22 | 12                   | 36 | 31                    | 1 | 239                      | 45525 |
| 39                       | 21 | 12                   | 39 | 31                    | 1 | 239                      | 4554  |
| 40                       | 20 | 12                   | 42 | 32                    | 1 | 239                      | 45441 |
| 41                       | 19 | 12                   | 45 | 32                    | 1 | 239                      | 45412 |
| 42                       | 18 | 12                   | 48 | 33                    | 1 | 239                      | 45338 |
| 43                       | 17 | 12                   | 51 | 33                    | 1 | 240                      | 45259 |
| 44                       | 16 | 12                   | 54 | 34                    | 1 | 240                      | 45214 |
| 45                       | 15 | 12                   | 56 | 35                    | 1 | 240                      | 45122 |
| 46                       | 14 | 12                   | 58 | 35                    | 1 | 240                      | 45022 |
| 47                       | 13 | 13                   | 0  | 36                    | 1 | 240                      | 44917 |
| 48                       | 12 | 13                   | 2  | 36                    | 1 | 240                      | 44810 |
| 49                       | 11 | 13                   | 4  | 37                    | 1 | 240                      | 44654 |
| 50                       | 10 | 13                   | 5  | 37                    | 1 | 239                      | 44533 |
| 51                       | 9  | 13                   | 6  | 38                    | 1 | 239                      | 4447  |
| 52                       | 8  | 13                   | 7  | 38                    | 1 | 238                      | 44234 |
| 53                       | 7  | 13                   | 8  | 39                    | 1 | 238                      | 44056 |
| 54                       | 6  | 13                   | 9  | 39                    | 1 | 237                      | 43915 |
| 55                       | 5  | 13                   | 9  | 40                    | 1 | 236                      | 43729 |
| 56                       | 4  | 13                   | 8  | 40                    | 1 | 235                      | 43537 |
| 57                       | 3  | 13                   | 7  | 41                    | 1 | 234                      | 43341 |
| 58                       | 2  | 13                   | 6  | 41                    | 1 | 233                      | 43134 |
| 59                       | 1  | 13                   | 5  | 42                    | 1 | 232                      | 42920 |
| 60                       | 0  | 13                   | 4  | 43                    | 1 | 231                      | 4270  |

Tabula Equationū Lune.

| Lineenu<br>merico,<br>munes |    |      | Equa<br>tio<br>cetri |    | Diver<br>sitas<br>dia | Equa<br>tio ar<br>gumti |      |    |  |
|-----------------------------|----|------|----------------------|----|-----------------------|-------------------------|------|----|--|
| Addē                        |    |      | Addē                 |    |                       | Addē                    |      |    |  |
| 2                           |    |      |                      |    |                       | nue                     |      |    |  |
| g                           | g  | g    | m                    | m  |                       | g                       | m    | z  |  |
| 1                           | 59 | 13   | 3                    | 1  | 43                    | 1                       | 2    | 30 |  |
| 2                           | 58 | 13   | 1                    | 2  | 44                    | 1                       | 2    | 29 |  |
| 3                           | 57 | 12   | 59                   | 2  | 44                    | 1                       | 2    | 27 |  |
| 4                           | 56 | 12   | 56                   | 3  | 45                    | 1                       | 2    | 26 |  |
| 5                           | 55 | 12   | 53                   | 3  | 45                    | 1                       | 2    | 25 |  |
| 6                           | 54 | 12   | 50                   | 3  | 45                    | 1                       | 2    | 23 |  |
| 7                           | 53 | 12   | 46                   | 4  | 46                    | 1                       | 2    | 22 |  |
| 8                           | 52 | 12   | 41                   | 5  | 46                    | 1                       | 2    | 21 |  |
| 9                           | 51 | 12   | 36                   | 5  | 47                    | 1                       | 2    | 19 |  |
| 10                          | 50 | 12   | 30                   | 6  | 47                    | 1                       | 2    | 18 |  |
| 11                          | 49 | 12   | 23                   | 7  | 47                    | 1                       | 2    | 17 |  |
| 12                          | 48 | 12   | 16                   | 7  | 48                    | 1                       | 2    | 15 |  |
| 13                          | 47 | 12   | 9                    | 7  | 48                    | 1                       | 2    | 14 |  |
| 14                          | 46 | 12   | 2                    | 7  | 49                    | 1                       | 2    | 12 |  |
| 15                          | 45 | 12   | 54                   | 8  | 49                    | 1                       | 2    | 10 |  |
| 16                          | 44 | 12   | 46                   | 8  | 50                    | 1                       | 2    | 9  |  |
| 17                          | 43 | 12   | 38                   | 8  | 50                    | 1                       | 2    | 7  |  |
| 18                          | 42 | 12   | 29                   | 9  | 51                    | 1                       | 2    | 5  |  |
| 19                          | 41 | 12   | 20                   | 9  | 51                    | 1                       | 2    | 3  |  |
| 20                          | 40 | 12   | 11                   | 9  | 52                    | 1                       | 2    | 1  |  |
| 21                          | 39 | 12   | 2                    | 9  | 52                    | 1                       | 2    | 58 |  |
| 22                          | 38 | 10   | 53                   | 9  | 53                    | 1                       | 2    | 56 |  |
| 23                          | 37 | 10   | 43                   | 10 | 53                    | 1                       | 2    | 54 |  |
| 24                          | 36 | 10   | 33                   | 11 | 53                    | 1                       | 2    | 51 |  |
| 25                          | 35 | 10   | 22                   | 11 | 54                    | 1                       | 2    | 49 |  |
| 26                          | 34 | 10   | 11                   | 11 | 54                    | 1                       | 2    | 46 |  |
| 27                          | 33 | 10   | 0                    | 12 | 54                    | 1                       | 2    | 43 |  |
| 28                          | 32 | 9    | 48                   | 13 | 55                    | 1                       | 2    | 41 |  |
| 29                          | 31 | 9    | 35                   | 13 | 55                    | 1                       | 2    | 38 |  |
| 30                          | 30 | 9    | 22                   | 14 | 55                    | 1                       | 2    | 35 |  |
| 3                           | 3  | addē | z                    |    |                       |                         | addē | z  |  |
| g                           |    | nue  |                      |    |                       |                         |      |    |  |

Tabula Equationū Lune.

| Linee nu<br>meri cō<br>munes | Equa<br>tio ſ<br>cētri | Adde ms | Diner<br>fitas<br>dia<br>metri | Equa<br>tio ar<br>gumēti | Adde ms |
|------------------------------|------------------------|---------|--------------------------------|--------------------------|---------|
| 1                            | 2                      |         | 1                              | 2                        |         |
| 3                            | 3                      | 3 m m   | 3                              | 3 m m                    | 3 m m   |
| 31                           | 29                     | 9 8     | 1                              | 32                       | 3       |
| 32                           | 28                     | 8 53    | 1                              | 32                       | 3       |
| 33                           | 27                     | 8 38    | 1                              | 32                       | 3       |
| 34                           | 26                     | 8 22    | 1                              | 32                       | 3       |
| 35                           | 25                     | 8 5     | 1                              | 32                       | 3       |
| 36                           | 24                     | 7 48    | 1                              | 32                       | 3       |
| 37                           | 23                     | 7 31    | 1                              | 32                       | 3       |
| 38                           | 22                     | 7 14    | 1                              | 32                       | 3       |
| 39                           | 21                     | 6 56    | 1                              | 32                       | 3       |
| 40                           | 20                     | 6 39    | 1                              | 32                       | 3       |
| 41                           | 19                     | 6 21    | 1                              | 32                       | 3       |
| 42                           | 18                     | 6 3     | 1                              | 32                       | 3       |
| 43                           | 17                     | 5 45    | 1                              | 32                       | 3       |
| 44                           | 16                     | 5 27    | 1                              | 32                       | 3       |
| 45                           | 15                     | 5 8     | 1                              | 32                       | 3       |
| 46                           | 14                     | 4 49    | 1                              | 32                       | 3       |
| 47                           | 13                     | 4 30    | 1                              | 32                       | 3       |
| 48                           | 12                     | 4 11    | 1                              | 32                       | 3       |
| 49                           | 11                     | 3 52    | 1                              | 32                       | 3       |
| 50                           | 10                     | 3 32    | 1                              | 32                       | 3       |
| 51                           | 9                      | 3 12    | 1                              | 32                       | 3       |
| 52                           | 8                      | 2 52    | 1                              | 32                       | 3       |
| 53                           | 7                      | 2 32    | 1                              | 32                       | 3       |
| 54                           | 6                      | 2 11    | 1                              | 32                       | 3       |
| 55                           | 5                      | 1 50    | 1                              | 32                       | 3       |
| 56                           | 4                      | 1 29    | 1                              | 32                       | 3       |
| 57                           | 3                      | 1 7     | 1                              | 32                       | 3       |
| 58                           | 2                      | 0 45    | 1                              | 32                       | 3       |
| 59                           | 1                      | 0 23    | 1                              | 32                       | 3       |
| 60                           | 0                      | 0 0     | 1                              | 32                       | 3       |



**Tabula Latitudinis Lune.**

| Signa coia             | 0                                     | 1                                      | 2                                      | 3                                       | 4                                       | 5                                       |      |
|------------------------|---------------------------------------|----------------------------------------|----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|------|
| Linee<br>nūeri<br>cōs. | Latitudo<br>Lune<br>Ascēdēs<br>Septi. | Latitudo<br>Lune<br>Ascēdēs.<br>Septi. | Latitudo<br>Lune<br>Ascēdēs.<br>Septi. | Latitudo<br>Lune<br>Descēdēs.<br>Septi. | Latitudo<br>Lune<br>Descēdēs.<br>Septi. | Latitudo<br>Lune<br>Descēdēs.<br>Septi. |      |
|                        | g m z                                 | g m z                                  | g m z                                  | g m z                                   | g m z                                   | g m z                                   | dra. |
| 1 19                   | 0 5 13                                | 1 34 14                                | 4 22 22                                | 4 59 58                                 | 4 17 7                                  | 2 25 17                                 | 4 37 |
| 2 18                   | 0 10 17                               | 1 38 52                                | 4 24 51                                | 4 59 50                                 | 4 14 21                                 | 2 20 40                                 | 4 38 |
| 3 17                   | 0 15 40                               | 1 43 57                                | 4 27 14                                | 4 59 35                                 | 4 11 34                                 | 2 16 2                                  | 4 40 |
| 4 16                   | 0 20 53                               | 1 47 39                                | 4 29 34                                | 4 59 15                                 | 4 8 37                                  | 2 11 22                                 | 4 42 |
| 5 15                   | 0 26 7                                | 1 51 57                                | 4 31 49                                | 4 58 51                                 | 4 5 38                                  | 2 6 40                                  | 4 44 |
| 6 14                   | 0 31 19                               | 1 56 10                                | 4 33 59                                | 4 58 21                                 | 4 2 37                                  | 2 1 56                                  | 4 48 |
| 7 13                   | 0 36 31                               | 3 0 21                                 | 4 36 4                                 | 4 57 45                                 | 3 59 28                                 | 1 57 8                                  | 4 50 |
| 8 12                   | 0 41 42                               | 3 4 29                                 | 4 38 4                                 | 4 57 4                                  | 3 56 16                                 | 1 52 17                                 | 4 52 |
| 9 11                   | 0 46 52                               | 3 8 35                                 | 4 40 0                                 | 4 56 17                                 | 3 53 0                                  | 1 47 23                                 | 4 54 |
| 10 10                  | 0 52 1                                | 3 12 39                                | 4 41 52                                | 4 55 25                                 | 3 49 40                                 | 1 42 17                                 | 4 58 |
| 11 9                   | 0 57 9                                | 3 16 39                                | 4 43 38                                | 4 54 28                                 | 3 46 17                                 | 1 37 29                                 | 4 58 |
| 12 18                  | 1 2 16                                | 3 20 35                                | 4 45 18                                | 4 53 25                                 | 3 42 49                                 | 1 32 31                                 | 4 58 |
| 13 17                  | 1 7 23                                | 3 24 26                                | 4 46 52                                | 4 52 17                                 | 3 39 17                                 | 1 27 33                                 | 4 58 |
| 14 16                  | 1 12 30                               | 3 28 15                                | 4 48 20                                | 4 51 3                                  | 3 35 41                                 | 1 22 35                                 | 4 59 |
| 15 15                  | 1 17 36                               | 3 32 0                                 | 4 49 44                                | 4 49 44                                 | 3 32 0                                  | 1 17 36                                 | 4 59 |
| 16 14                  | 1 22 35                               | 3 35 41                                | 4 51 3                                 | 4 48 20                                 | 3 28 15                                 | 1 12 30                                 | 4 59 |
| 17 13                  | 1 27 33                               | 3 39 17                                | 4 52 17                                | 4 46 52                                 | 3 24 26                                 | 1 7 23                                  | 4 59 |
| 18 12                  | 1 32 31                               | 3 42 49                                | 4 53 25                                | 4 45 18                                 | 3 20 35                                 | 1 2 16                                  | 4 59 |
| 19 11                  | 1 37 29                               | 3 46 17                                | 4 54 28                                | 4 43 38                                 | 3 16 39                                 | 0 57 9                                  | 4 59 |
| 20 10                  | 1 42 27                               | 3 49 40                                | 4 55 25                                | 4 41 52                                 | 3 12 39                                 | 0 52 1                                  | 4 59 |
| 21 9                   | 1 47 23                               | 3 53 0                                 | 4 56 17                                | 4 40 0                                  | 3 8 35                                  | 0 46 52                                 | 4 59 |
| 22 8                   | 1 52 17                               | 3 56 16                                | 4 57 4                                 | 4 38 4                                  | 3 4 29                                  | 0 41 42                                 | 4 59 |
| 23 7                   | 1 57 8                                | 3 59 28                                | 4 57 45                                | 4 36 4                                  | 3 0 21                                  | 0 36 31                                 | 4 59 |
| 24 6                   | 2 1 56                                | 4 2 37                                 | 4 58 21                                | 4 33 59                                 | 2 56 10                                 | 0 31 19                                 | 4 59 |
| 25 5                   | 2 6 40                                | 4 5 38                                 | 4 58 51                                | 4 31 49                                 | 2 51 57                                 | 0 26 7                                  | 4 59 |
| 26 4                   | 2 11 22                               | 4 8 37                                 | 4 59 15                                | 4 29 34                                 | 2 47 39                                 | 0 20 53                                 | 4 59 |
| 27 3                   | 2 16 2                                | 4 11 34                                | 4 59 35                                | 4 27 14                                 | 2 43 57                                 | 0 15 40                                 | 4 59 |
| 28 2                   | 2 20 40                               | 4 14 22                                | 4 59 50                                | 4 24 51                                 | 2 38 52                                 | 0 10 27                                 | 4 59 |
| 29 1                   | 2 25 17                               | 4 17 7                                 | 4 59 58                                | 4 22 22                                 | 2 34 24                                 | 10 5 13                                 | 4 59 |
| 30 0                   | 2 29 52                               | 4 19 47                                | 4 0 0                                  | 4 19 47                                 | 2 29 52                                 | 0 0 0                                   | 4 59 |
|                        | Descēdēs                              | Descēdēs                               | Descēdēs                               | Ascēdēs                                 | Ascēdēs                                 | Ascēdēs                                 |      |
|                        | nder.                                 | nder.                                  | nder.                                  | nder.                                   | nder.                                   | nder.                                   |      |
| Signa coia             | 11                                    | 10                                     | 9                                      | 8                                       | 7                                       | 6                                       |      |

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|    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |     |
|----|----|----|----|----|----|----|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|----|----|----|----|-----|
| 4  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8    | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91  | 92  | 93  | 94  | 95  | 96 | 97 | 98 | 99 | 100 |
| 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13   | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96  | 97  | 98  | 99  | 100 |    |    |    |    |     |
| 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14   | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97  | 98  | 99  | 100 |     |    |    |    |    |     |
| 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15   | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98  | 99  | 100 |     |     |    |    |    |    |     |
| 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16   | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99  | 100 |     |     |     |    |    |    |    |     |
| 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17   | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |     |     |     |     |    |    |    |    |     |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18</ |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |     |

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| Linee nu<br>meri cō<br>munes | Equa<br>tio cētri | U<br>m | Longitudo<br>in milia longiora | Logi<br>tudo lon<br>gior | Equa<br>tio ar<br>gumti | Logi<br>tudo pro<br>pior |
|------------------------------|-------------------|--------|--------------------------------|--------------------------|-------------------------|--------------------------|
| 6                            | adi               | 2      | adi                            | gior                     | adde                    | pior                     |
| o                            | nue               |        |                                |                          |                         |                          |
| g                            | g                 | g m m  | m                              | g m m                    | g m m                   | g m m                    |
| 1                            | 59                | 0 1 2  | 60                             | 0 0                      | 0 26 26                 | 0 0 0                    |
| 2                            | 58                | 0 4 1  | 60                             | 0 1                      | 0 51 25                 | 0 1 1                    |
| 3                            | 57                | 0 6 2  | 60                             | 0 1                      | 1 16 25                 | 0 1 0                    |
| 4                            | 56                | 0 9 3  | 60                             | 0 1                      | 1 41 25                 | 0 1 1                    |
| 5                            | 55                | 0 11 2 | 60                             | 0 1                      | 2 6 25                  | 0 2 0                    |
| 6                            | 54                | 0 13 2 | 60                             | 0 1                      | 2 31 25                 | 0 2 0                    |
| 7                            | 53                | 0 15 1 | 60                             | 0 1                      | 2 56 25                 | 0 2 1                    |
| 8                            | 52                | 0 17 1 | 59                             | 0 1                      | 3 21 25                 | 0 3 0                    |
| 9                            | 51                | 0 19 1 | 59                             | 0 2                      | 3 46 25                 | 0 3 0                    |
| 10                           | 50                | 0 21 2 | 59                             | 0 2                      | 4 11 25                 | 0 3 1                    |
| 11                           | 49                | 0 24 3 | 59                             | 0 3                      | 4 36 25                 | 0 4 0                    |
| 12                           | 48                | 0 26 2 | 59                             | 0 3                      | 5 1 25                  | 0 4 0                    |
| 13                           | 47                | 0 28 2 | 58                             | 0 3                      | 5 26 25                 | 0 4 1                    |
| 14                           | 46                | 0 30 1 | 58                             | 0 4                      | 5 51 25                 | 0 5 0                    |
| 15                           | 45                | 0 32 1 | 58                             | 0 4                      | 6 16 25                 | 0 5 0                    |
| 16                           | 44                | 0 34 2 | 57                             | 0 5                      | 6 41 25                 | 0 5 1                    |
| 17                           | 43                | 0 36 2 | 57                             | 0 5                      | 7 6 25                  | 0 6 0                    |
| 18                           | 42                | 0 38 2 | 57                             | 0 5                      | 7 31 25                 | 0 6 0                    |
| 19                           | 41                | 0 41 2 | 56                             | 0 6                      | 7 56 25                 | 0 6 1                    |
| 20                           | 40                | 0 43 1 | 56                             | 0 6                      | 8 21 25                 | 0 7 0                    |
| 21                           | 39                | 0 45 2 | 56                             | 0 6                      | 8 46 25                 | 0 7 0                    |
| 22                           | 38                | 0 47 2 | 55                             | 0 7                      | 9 11 25                 | 7 7 1                    |
| 23                           | 37                | 0 49 1 | 55                             | 0 7                      | 9 36 25                 | 0 8 0                    |
| 24                           | 36                | 0 51 2 | 55                             | 0 7                      | 10 1 25                 | 0 8 0                    |
| 25                           | 35                | 0 53 1 | 54                             | 0 8                      | 10 26 25                | 0 8 1                    |
| 26                           | 34                | 0 55 2 | 54                             | 0 8                      | 10 51 25                | 0 9 0                    |
| 27                           | 33                | 0 57 2 | 53                             | 0 8                      | 11 16 25                | 0 9 0                    |
| 28                           | 32                | 0 59 2 | 53                             | 0 9                      | 11 41 25                | 0 9 1                    |
| 29                           | 31                | 1 1 2  | 52                             | 0 9                      | 12 6 24                 | 0 10 0                   |
| 30                           | 30                | 1 3 2  | 52                             | 0 9                      | 12 30 24                | 0 10 0                   |
| 1                            | 5                 | adde   | adi                            | adi                      | adi                     | adi                      |
| 1                            | 6                 | nue    |                                |                          |                         |                          |

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| Linee nu<br>meri co<br>munes |    |   | Equa<br>tio U<br>cetri |    |   | Numerus<br>proportio<br>nalis longi<br>tudinis | Logi<br>tudo U<br>lon. |    |   | Equa<br>tio ar<br>gumti. |    |    | Logi<br>tudo U<br>pro<br>prio |    |   |  |
|------------------------------|----|---|------------------------|----|---|------------------------------------------------|------------------------|----|---|--------------------------|----|----|-------------------------------|----|---|--|
| s                            |    |   | m d i                  |    |   |                                                | gior                   |    |   | Adde                     |    |    | pio                           |    |   |  |
| o                            |    |   | nue                    |    |   |                                                |                        |    |   |                          |    |    |                               |    |   |  |
| s                            | g  | m | d                      | i  | m | m                                              | s                      | m  | m | s                        | m  | m  | s                             | m  | m |  |
| 31                           | 29 |   | 1                      | 5  | 2 | 51                                             | 0                      | 9  | 0 | 12                       | 55 | 25 | 0                             | 10 | 0 |  |
| 32                           | 28 |   | 1                      | 7  | 2 | 51                                             | 0                      | 10 | 1 | 13                       | 20 | 24 | 0                             | 11 | 1 |  |
| 33                           | 27 |   | 1                      | 9  | 1 | 50                                             | 0                      | 10 | 0 | 13                       | 44 | 25 | 0                             | 11 | 0 |  |
| 34                           | 26 |   | 1                      | 10 | 1 | 50                                             | 0                      | 10 | 0 | 14                       | 9  | 25 | 0                             | 11 | 0 |  |
| 35                           | 25 |   | 1                      | 12 | 2 | 49                                             | 0                      | 11 | 1 | 14                       | 34 | 25 | 0                             | 11 | 1 |  |
| 36                           | 24 |   | 1                      | 14 | 2 | 49                                             | 0                      | 11 | 0 | 14                       | 58 | 25 | 0                             | 12 | 0 |  |
| 37                           | 23 |   | 1                      | 16 | 1 | 48                                             | 0                      | 11 | 1 | 15                       | 23 | 25 | 0                             | 12 | 0 |  |
| 38                           | 22 |   | 1                      | 17 | 2 | 48                                             | 0                      | 12 | 0 | 15                       | 48 | 24 | 0                             | 12 | 0 |  |
| 39                           | 21 |   | 1                      | 19 | 2 | 47                                             | 0                      | 12 | 0 | 16                       | 12 | 25 | 0                             | 12 | 1 |  |
| 40                           | 20 |   | 1                      | 21 | 1 | 47                                             | 0                      | 12 | 0 | 16                       | 37 | 24 | 0                             | 13 | 0 |  |
| 41                           | 19 |   | 1                      | 22 | 2 | 46                                             | 0                      | 13 | 1 | 17                       | 1  | 24 | 0                             | 13 | 0 |  |
| 42                           | 18 |   | 1                      | 24 | 2 | 45                                             | 0                      | 13 | 0 | 17                       | 25 | 25 | 0                             | 13 | 0 |  |
| 43                           | 17 |   | 1                      | 26 | 1 | 45                                             | 0                      | 13 | 1 | 17                       | 50 | 24 | 0                             | 13 | 1 |  |
| 44                           | 16 |   | 1                      | 27 | 2 | 44                                             | 0                      | 14 | 0 | 18                       | 14 | 24 | 0                             | 14 | 0 |  |
| 45                           | 15 |   | 1                      | 29 | 2 | 43                                             | 0                      | 14 | 0 | 18                       | 38 | 25 | 0                             | 14 | 0 |  |
| 46                           | 14 |   | 1                      | 31 | 1 | 42                                             | 0                      | 14 | 1 | 19                       | 3  | 24 | 0                             | 14 | 1 |  |
| 47                           | 13 |   | 1                      | 32 | 2 | 42                                             | 0                      | 15 | 0 | 19                       | 27 | 24 | 0                             | 15 | 0 |  |
| 48                           | 12 |   | 1                      | 34 | 2 | 41                                             | 0                      | 15 | 0 | 19                       | 51 | 24 | 0                             | 15 | 0 |  |
| 49                           | 11 |   | 1                      | 36 | 1 | 40                                             | 0                      | 15 | 1 | 20                       | 15 | 24 | 0                             | 15 | 1 |  |
| 50                           | 10 |   | 1                      | 37 | 2 | 40                                             | 0                      | 16 | 0 | 20                       | 39 | 24 | 0                             | 16 | 0 |  |
| 51                           | 9  |   | 1                      | 39 | 0 | 39                                             | 0                      | 16 | 0 | 21                       | 3  | 24 | 0                             | 16 | 0 |  |
| 52                           | 8  |   | 1                      | 40 | 2 | 38                                             | 0                      | 16 | 1 | 21                       | 27 | 24 | 0                             | 16 | 1 |  |
| 53                           | 7  |   | 1                      | 42 | 1 | 37                                             | 0                      | 17 | 0 | 21                       | 51 | 24 | 0                             | 17 | 0 |  |
| 54                           | 6  |   | 1                      | 43 | 1 | 36                                             | 0                      | 17 | 0 | 22                       | 15 | 24 | 0                             | 17 | 0 |  |
| 55                           | 5  |   | 1                      | 44 | 2 | 35                                             | 0                      | 17 | 1 | 22                       | 39 | 24 | 0                             | 17 | 1 |  |
| 56                           | 4  |   | 1                      | 46 | 1 | 34                                             | 0                      | 18 | 0 | 23                       | 3  | 24 | 0                             | 18 | 0 |  |
| 57                           | 3  |   | 1                      | 47 | 1 | 33                                             | 0                      | 18 | 0 | 23                       | 27 | 24 | 0                             | 18 | 0 |  |
| 58                           | 2  |   | 1                      | 48 | 2 | 32                                             | 0                      | 18 | 1 | 23                       | 51 | 24 | 0                             | 18 | 1 |  |
| 59                           | 1  |   | 1                      | 50 | 1 | 31                                             | 0                      | 19 | 0 | 24                       | 15 | 23 | 0                             | 19 | 0 |  |
| 0                            | 0  |   | 1                      | 51 | 1 | 30                                             | 0                      | 19 | 0 | 24                       | 38 | 0  | 0                             | 19 | 0 |  |
| Adde                         |    |   | m d i                  |    |   | m                                              |                        |    | m |                          |    | m  |                               |    | m |  |
| nue                          |    |   |                        |    |   |                                                |                        |    |   |                          |    |    |                               |    |   |  |



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| Lineam<br>merico<br>munes |    |  | Equa<br>tio<br>cetri |    |   | Ex<br>mina<br>pro<br>por<br>tio<br>ni<br>bus<br>longior | Logi<br>tudo<br>lon<br>gior |   |    | Equa<br>tio ar<br>gumti |    |    | Logi<br>tudo<br>pro<br>pior |  |   |    |   |
|---------------------------|----|--|----------------------|----|---|---------------------------------------------------------|-----------------------------|---|----|-------------------------|----|----|-----------------------------|--|---|----|---|
| S                         |    |  | m d                  |    |   |                                                         | A                           |   |    | A                       |    |    | A                           |  |   |    |   |
| 1                         |    |  | nue                  |    |   |                                                         | A                           |   |    | A                       |    |    | A                           |  |   |    |   |
| S                         |    |  | m d                  |    |   |                                                         | m                           |   |    | m                       |    |    | m                           |  |   |    |   |
| 1                         | 59 |  | 1                    | 52 | I | 29                                                      | I                           | 0 | 19 | 0                       | 25 | 2  | 24                          |  | 0 | 19 | 0 |
| 2                         | 58 |  | 1                    | 53 | I | 28                                                      | I                           | 0 | 20 | 0                       | 25 | 25 | 23                          |  | 0 | 20 | 0 |
| 3                         | 57 |  | 1                    | 54 | I | 27                                                      | I                           | 0 | 20 | 0                       | 25 | 48 | 23                          |  | 0 | 20 | 0 |
| 4                         | 56 |  | 1                    | 55 | I | 26                                                      | I                           | 0 | 20 | 0                       | 26 | 11 | 23                          |  | 0 | 21 | 0 |
| 5                         | 55 |  | 1                    | 56 | I | 25                                                      | I                           | 0 | 21 | 0                       | 26 | 34 | 23                          |  | 0 | 21 | 0 |
| 6                         | 54 |  | 1                    | 57 | I | 24                                                      | I                           | 0 | 21 | 0                       | 26 | 57 | 23                          |  | 0 | 22 | 0 |
| 7                         | 53 |  | 1                    | 58 | I | 23                                                      | I                           | 0 | 22 | 0                       | 27 | 20 | 23                          |  | 0 | 22 | 0 |
| 8                         | 52 |  | 1                    | 59 | I | 22                                                      | I                           | 0 | 22 | 0                       | 27 | 43 | 23                          |  | 0 | 23 | 0 |
| 9                         | 51 |  | 1                    | 0  | I | 21                                                      | I                           | 0 | 23 | 0                       | 28 | 6  | 23                          |  | 0 | 23 | 0 |
| 10                        | 50 |  | 1                    | 1  | O | 20                                                      | I                           | 0 | 23 | 0                       | 28 | 29 | 23                          |  | 0 | 24 | 0 |
| 11                        | 49 |  | 1                    | 2  | I | 19                                                      | I                           | 0 | 24 | 0                       | 28 | 52 | 22                          |  | 0 | 24 | 0 |
| 12                        | 48 |  | 1                    | 3  | I | 18                                                      | I                           | 0 | 24 | 0                       | 29 | 14 | 23                          |  | 0 | 25 | 0 |
| 13                        | 47 |  | 1                    | 3  | O | 16                                                      | I                           | 0 | 25 | 0                       | 29 | 37 | 22                          |  | 0 | 25 | 0 |
| 14                        | 46 |  | 1                    | 3  | I | 15                                                      | I                           | 0 | 25 | 0                       | 29 | 59 | 22                          |  | 0 | 26 | 0 |
| 15                        | 45 |  | 1                    | 4  | I | 14                                                      | I                           | 0 | 25 | 0                       | 30 | 21 | 22                          |  | 0 | 27 | 0 |
| 16                        | 44 |  | 1                    | 5  | O | 13                                                      | I                           | 0 | 26 | 0                       | 30 | 43 | 22                          |  | 0 | 27 | 0 |
| 17                        | 43 |  | 1                    | 5  | I | 12                                                      | I                           | 0 | 26 | 0                       | 31 | 5  | 22                          |  | 0 | 28 | 0 |
| 18                        | 42 |  | 1                    | 6  | I | 11                                                      | I                           | 0 | 26 | 0                       | 31 | 27 | 22                          |  | 0 | 28 | 0 |
| 19                        | 41 |  | 1                    | 6  | O | 10                                                      | I                           | 0 | 27 | 0                       | 31 | 49 | 22                          |  | 0 | 29 | 0 |
| 20                        | 40 |  | 1                    | 7  | O | 9                                                       | I                           | 0 | 27 | 0                       | 32 | 11 | 22                          |  | 0 | 29 | 0 |
| 21                        | 39 |  | 1                    | 7  | I | 7                                                       | I                           | 0 | 28 | 0                       | 32 | 33 | 22                          |  | 0 | 30 | 0 |
| 22                        | 38 |  | 1                    | 8  | O | 6                                                       | I                           | 0 | 28 | 0                       | 32 | 55 | 22                          |  | 0 | 30 | 0 |
| 23                        | 37 |  | 1                    | 8  | I | 5                                                       | I                           | 0 | 29 | 0                       | 33 | 17 | 22                          |  | 0 | 31 | 0 |
| 24                        | 36 |  | 1                    | 9  | O | 4                                                       | I                           | 0 | 30 | 0                       | 33 | 38 | 22                          |  | 0 | 31 | 0 |
| 25                        | 35 |  | 1                    | 9  | O | 3                                                       | I                           | 0 | 30 | 0                       | 34 | 0  | 22                          |  | 0 | 32 | 0 |
| 26                        | 34 |  | 1                    | 9  | I | 2                                                       | I                           | 0 | 31 | 0                       | 34 | 21 | 22                          |  | 0 | 32 | 0 |
| 27                        | 33 |  | 1                    | 10 | O | 1                                                       | I                           | 0 | 32 | 0                       | 34 | 42 | 22                          |  | 0 | 33 | 0 |
| 28                        | 32 |  | 1                    | 10 | O | 1                                                       | I                           | 0 | 32 | 0                       | 35 | 3  | 22                          |  | 0 | 33 | 0 |
| 29                        | 31 |  | 1                    | 10 | O | 1                                                       | I                           | 0 | 33 | 0                       | 35 | 24 | 20                          |  | 0 | 34 | 0 |
| 30                        | 30 |  | 1                    | 10 | O | 1                                                       | I                           | 0 | 33 | 0                       | 35 | 44 | 20                          |  | 0 | 34 | 0 |
|                           |    |  | Add                  |    |   | A                                                       |                             |   | A  |                         |    | A  |                             |  | A |    |   |
|                           |    |  | S                    |    |   | A                                                       |                             |   | A  |                         |    | A  |                             |  | A |    |   |
|                           |    |  | nue                  |    |   | A                                                       |                             |   | A  |                         |    | A  |                             |  | A |    |   |

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| Lineenu<br>mericō,<br>munes |    | Equa-<br>tio<br>cētri |    | V<br>cētri<br>munes | Logi-<br>tudo<br>lon. |   | Equa-<br>tio ar.<br>gunti. |   | Logi-<br>tudo<br>pro. |    |
|-----------------------------|----|-----------------------|----|---------------------|-----------------------|---|----------------------------|---|-----------------------|----|
| S                           |    | m                     |    |                     | gior                  |   | Adde                       |   | pior                  |    |
| I                           |    | nue                   |    |                     |                       |   |                            |   |                       |    |
| S                           | S  | S                     | m  | m                   | S                     | m | S                          | m | S                     | m  |
| 31                          | 19 | 1                     | 10 | 0                   | 3                     | I | 0 34                       | I | 36                    | 4  |
| 32                          | 18 | 1                     | 10 | 0                   | 4                     | I | 0 35                       | I | 36                    | 14 |
| 33                          | 17 | 1                     | 10 | 0                   | 5                     | I | 0 35                       | O | 36                    | 44 |
| 34                          | 16 | 1                     | 10 | 0                   | 6                     | I | 0 36                       | I | 37                    | 4  |
| 35                          | 15 | 1                     | 10 | 0                   | 7                     | I | 0 36                       | O | 37                    | 13 |
| 36                          | 14 | 1                     | 10 | 0                   | 8                     | I | 0 37                       | I | 37                    | 43 |
| 37                          | 13 | 1                     | 10 | 0                   | 9                     | I | 0 37                       | O | 38                    | 2  |
| 38                          | 12 | 1                     | 10 | 0                   | 10                    | I | 0 38                       | I | 38                    | 21 |
| 39                          | 11 | 1                     | 9  | 0                   | 11                    | I | 0 38                       | O | 38                    | 40 |
| 40                          | 10 | 1                     | 9  | 0                   | 12                    | I | 0 39                       | I | 38                    | 59 |
| 41                          | 19 | 1                     | 9  | 0                   | 13                    | I | 0 39                       | O | 39                    | 17 |
| 42                          | 18 | 1                     | 8  | 0                   | 14                    | I | 0 40                       | I | 39                    | 35 |
| 43                          | 17 | 1                     | 8  | 0                   | 15                    | I | 0 41                       | O | 39                    | 53 |
| 44                          | 16 | 1                     | 7  | 0                   | 16                    | I | 0 41                       | I | 40                    | 11 |
| 45                          | 15 | 1                     | 7  | 0                   | 17                    | I | 0 42                       | O | 40                    | 29 |
| 46                          | 14 | 1                     | 6  | 0                   | 18                    | I | 0 43                       | I | 40                    | 46 |
| 47                          | 13 | 1                     | 6  | 0                   | 19                    | I | 0 43                       | O | 41                    | 3  |
| 48                          | 12 | 1                     | 5  | 0                   | 20                    | I | 0 44                       | I | 41                    | 10 |
| 49                          | 11 | 1                     | 5  | 0                   | 21                    | I | 0 45                       | O | 41                    | 37 |
| 50                          | 10 | 1                     | 4  | 0                   | 22                    | I | 0 46                       | I | 41                    | 53 |
| 51                          | 9  | 1                     | 4  | 0                   | 23                    | I | 0 47                       | O | 42                    | 9  |
| 52                          | 8  | 1                     | 3  | 0                   | 24                    | I | 0 48                       | I | 42                    | 24 |
| 53                          | 7  | 1                     | 2  | 0                   | 25                    | I | 0 49                       | O | 42                    | 39 |
| 54                          | 6  | 1                     | 1  | 0                   | 26                    | I | 0 50                       | I | 42                    | 53 |
| 55                          | 5  | 1                     | 0  | 0                   | 27                    | I | 0 51                       | O | 43                    | 7  |
| 56                          | 4  | 1                     | 59 | I                   | 28                    | I | 0 51                       | I | 43                    | 21 |
| 57                          | 3  | 1                     | 58 | I                   | 29                    | I | 0 52                       | O | 43                    | 35 |
| 58                          | 2  | 1                     | 57 | I                   | 30                    | I | 0 53                       | I | 43                    | 48 |
| 59                          | 1  | 1                     | 56 | I                   | 31                    | O | 0 54                       | O | 44                    | 1  |
| 60                          | 0  | 1                     | 55 | I                   | 31                    | I | 0 54                       | I | 44                    | 13 |
|                             |    | Adde                  |    |                     |                       |   |                            |   |                       |    |
|                             |    | S                     |    |                     |                       |   |                            |   |                       |    |
|                             |    | nue                   |    |                     |                       |   |                            |   |                       |    |

**Tabula Equationū Veneris.**

♀

| Linee nu<br>merico<br>munes |    | Equa<br>tio<br>centri |     | Proportio<br>nata proportio | Logi<br>tudo<br>lon<br>gior | Equa<br>tio ar<br>gumti. | Logi<br>tudo<br>pro<br>prior |      |    |     |   |
|-----------------------------|----|-----------------------|-----|-----------------------------|-----------------------------|--------------------------|------------------------------|------|----|-----|---|
| 5                           |    | 100                   | 100 |                             |                             |                          |                              |      |    |     |   |
| 2                           |    | nue                   |     |                             |                             |                          |                              |      |    |     |   |
| 5                           | 5  | 5 m m                 |     | 5 m m                       | 5 m m                       | 5 m m                    | 5 m m                        |      |    |     |   |
| 1                           | 59 | 154                   | 1   | 32                          | 1                           | 055                      | 1                            | 4425 | 12 | 058 | 1 |
| 2                           | 58 | 153                   | 1   | 33                          | 1                           | 056                      | 1                            | 4436 | 11 | 059 | 1 |
| 3                           | 57 | 152                   | 1   | 34                          | 1                           | 057                      | 1                            | 4447 | 11 | 10  | 1 |
| 4                           | 56 | 150                   | 2   | 35                          | 1                           | 058                      | 1                            | 4457 | 10 | 11  | 1 |
| 5                           | 55 | 149                   | 1   | 36                          | 1                           | 059                      | 1                            | 456  | 9  | 12  | 1 |
| 6                           | 54 | 148                   | 1   | 37                          | 1                           | 10                       | 1                            | 4514 | 8  | 13  | 1 |
| 7                           | 53 | 146                   | 2   | 38                          | 1                           | 11                       | 1                            | 4521 | 7  | 15  | 2 |
| 8                           | 52 | 145                   | 1   | 39                          | 1                           | 12                       | 1                            | 4527 | 6  | 16  | 1 |
| 9                           | 51 | 144                   | 1   | 40                          | 1                           | 13                       | 1                            | 4533 | 6  | 18  | 2 |
| 10                          | 50 | 142                   | 2   | 40                          | 0                           | 14                       | 1                            | 4539 | 6  | 19  | 1 |
| 11                          | 49 | 141                   | 1   | 41                          | 1                           | 15                       | 1                            | 4545 | 6  | 110 | 1 |
| 12                          | 48 | 139                   | 2   | 42                          | 1                           | 16                       | 1                            | 4550 | 5  | 111 | 1 |
| 13                          | 47 | 138                   | 1   | 43                          | 1                           | 17                       | 2                            | 4554 | 4  | 112 | 1 |
| 14                          | 46 | 136                   | 2   | 44                          | 0                           | 19                       | 1                            | 4557 | 3  | 113 | 2 |
| 15                          | 45 | 134                   | 1   | 44                          | 1                           | 110                      | 1                            | 4559 | 2  | 115 | 1 |
| 16                          | 44 | 133                   | 2   | 45                          | 1                           | 111                      | 1                            | 4559 | 0  | 116 | 1 |
| 17                          | 43 | 131                   | 1   | 46                          | 1                           | 112                      | 2                            | 4558 | 1  | 117 | 1 |
| 18                          | 42 | 130                   | 1   | 47                          | 0                           | 114                      | 1                            | 4557 | 1  | 119 | 1 |
| 19                          | 41 | 128                   | 2   | 47                          | 1                           | 115                      | 2                            | 4555 | 2  | 120 | 1 |
| 20                          | 40 | 126                   | 2   | 48                          | 0                           | 117                      | 2                            | 4551 | 4  | 121 | 2 |
| 21                          | 39 | 124                   | 1   | 48                          | 1                           | 119                      | 2                            | 4546 | 5  | 123 | 1 |
| 22                          | 38 | 123                   | 2   | 49                          | 0                           | 121                      | 2                            | 4539 | 7  | 124 | 1 |
| 23                          | 37 | 121                   | 2   | 49                          | 1                           | 123                      | 1                            | 4531 | 8  | 125 | 1 |
| 24                          | 36 | 119                   | 1   | 50                          | 0                           | 124                      | 1                            | 4521 | 10 | 127 | 2 |
| 25                          | 35 | 117                   | 1   | 50                          | 1                           | 126                      | 2                            | 4519 | 12 | 128 | 1 |
| 26                          | 34 | 115                   | 2   | 51                          | 0                           | 128                      | 1                            | 4455 | 14 | 130 | 2 |
| 27                          | 33 | 113                   | 2   | 51                          | 1                           | 129                      | 1                            | 4439 | 16 | 132 | 2 |
| 28                          | 32 | 111                   | 2   | 52                          | 0                           | 131                      | 1                            | 4421 | 18 | 134 | 2 |
| 29                          | 31 | 11                    | 1   | 52                          | 1                           | 132                      | 1                            | 441  | 20 | 136 | 2 |
| 30                          | 30 | 117                   | 2   | 53                          | 0                           | 133                      | 2                            | 4339 | 22 | 138 | 2 |
| 3                           |    | Adde                  |     | 21                          |                             | 21                       |                              | 21   |    | 21  |   |
| 5                           |    |                       |     |                             |                             |                          |                              |      |    | nue |   |

Tabula Equationũ Veneris.

| Linea nu<br>meri co/<br>munes |    |      | Equa<br>tio U<br>cetri |   |      | Logi<br>tudo U<br>lon |    |      | Equa<br>tio ar<br>gumtri |   |  | Logi<br>tudo pro<br>prio |    |  |
|-------------------------------|----|------|------------------------|---|------|-----------------------|----|------|--------------------------|---|--|--------------------------|----|--|
| 5                             | 2  |      | 5                      | 2 |      | 5                     | 2  |      | 5                        | 2 |  | 5                        | 2  |  |
| 31                            | 29 | 1 5  | 53                     | 1 | 1 35 | 43                    | 15 | 0 24 |                          |   |  | 1 40                     | 2  |  |
| 32                            | 28 | 1 3  | 54                     | 0 | 1 36 | 42                    | 18 | 0 27 |                          |   |  | 1 42                     | 2  |  |
| 33                            | 27 | 1 1  | 54                     | 1 | 1 37 | 42                    | 18 | 0 30 |                          |   |  | 1 44                     | 2  |  |
| 34                            | 26 | 0 59 | 55                     | 1 | 1 38 | 41                    | 45 | 0 33 |                          |   |  | 1 46                     | 2  |  |
| 35                            | 25 | 0 57 | 55                     | 0 | 1 39 | 41                    | 8  | 0 37 |                          |   |  | 1 47                     | 2  |  |
| 36                            | 24 | 0 55 | 56                     | 1 | 1 39 | 40                    | 28 | 0 40 |                          |   |  | 1 48                     | 1  |  |
| 37                            | 23 | 0 52 | 56                     | 0 | 1 40 | 39                    | 46 | 0 45 |                          |   |  | 1 49                     | 1  |  |
| 38                            | 22 | 0 50 | 56                     | 1 | 1 40 | 38                    | 58 | 0 48 |                          |   |  | 1 50                     | 1  |  |
| 39                            | 21 | 0 48 | 57                     | 0 | 1 41 | 38                    | 7  | 0 51 |                          |   |  | 1 51                     | 1  |  |
| 40                            | 20 | 0 46 | 57                     | 0 | 1 41 | 37                    | 12 | 0 55 |                          |   |  | 1 51                     | 1  |  |
| 41                            | 19 | 0 44 | 57                     | 0 | 1 42 | 36                    | 12 | 1 0  |                          |   |  | 1 52                     | 0  |  |
| 42                            | 18 | 0 42 | 57                     | 1 | 1 42 | 35                    | 7  | 1 5  |                          |   |  | 1 52                     | 1  |  |
| 43                            | 17 | 0 40 | 58                     | 0 | 1 41 | 33                    | 57 | 1 10 |                          |   |  | 1 52                     | 0  |  |
| 44                            | 16 | 0 37 | 58                     | 0 | 1 40 | 32                    | 44 | 1 13 |                          |   |  | 1 51                     | 0  |  |
| 45                            | 15 | 0 35 | 58                     | 0 | 1 38 | 31                    | 24 | 1 20 |                          |   |  | 1 50                     | 1  |  |
| 46                            | 14 | 0 33 | 58                     | 0 | 1 36 | 29                    | 58 | 1 26 |                          |   |  | 1 48                     | 1  |  |
| 47                            | 13 | 0 31 | 58                     | 1 | 1 34 | 28                    | 25 | 1 33 |                          |   |  | 1 46                     | 1  |  |
| 48                            | 12 | 0 28 | 59                     | 0 | 1 31 | 26                    | 46 | 1 39 |                          |   |  | 1 33                     | 3  |  |
| 49                            | 11 | 0 26 | 59                     | 0 | 1 28 | 25                    | 2  | 1 44 |                          |   |  | 1 38                     | 3  |  |
| 50                            | 10 | 0 24 | 59                     | 0 | 1 24 | 23                    | 12 | 1 50 |                          |   |  | 1 33                     | 5  |  |
| 51                            | 9  | 0 21 | 59                     | 0 | 1 19 | 21                    | 15 | 1 57 |                          |   |  | 1 27                     | 5  |  |
| 52                            | 8  | 0 19 | 59                     | 0 | 1 12 | 19                    | 11 | 2 4  |                          |   |  | 1 21                     | 6  |  |
| 53                            | 7  | 0 17 | 59                     | 1 | 1 4  | 17                    | 2  | 2 9  |                          |   |  | 1 14                     | 7  |  |
| 54                            | 6  | 0 14 | 60                     | 0 | 0 57 | 14                    | 47 | 2 15 |                          |   |  | 1 6                      | 8  |  |
| 55                            | 5  | 0 12 | 60                     | 0 | 0 48 | 12                    | 26 | 2 10 |                          |   |  | 0 57                     | 9  |  |
| 56                            | 4  | 0 10 | 60                     | 0 | 0 40 | 10                    | 4  | 2 13 |                          |   |  | 0 46                     | 9  |  |
| 57                            | 3  | 0 7  | 60                     | 0 | 0 31 | 7                     | 38 | 2 16 |                          |   |  | 0 35                     | 11 |  |
| 58                            | 2  | 0 5  | 60                     | 0 | 0 21 | 5                     | 9  | 2 19 |                          |   |  | 0 24                     | 11 |  |
| 59                            | 1  | 0 3  | 60                     | 0 | 0 11 | 2                     | 36 | 2 33 |                          |   |  | 0 12                     | 11 |  |
| 60                            | 0  | 0 0  | 60                     | 0 | 0 0  | 0                     | 0  | 2 36 |                          |   |  | 0 0                      | 12 |  |

| Tabula visio,<br>nū & occulta-<br>tionū veneri. |                                 | Tabellarū<br>veneri hap-<br>positarū |    | Tabella<br>la sta-<br>tio |               | Tabella<br>uerfi motus<br>in vno die ♀ |                         | Tabella lati-<br>tudinis Veneris ♀ |                          |
|-------------------------------------------------|---------------------------------|--------------------------------------|----|---------------------------|---------------|----------------------------------------|-------------------------|------------------------------------|--------------------------|
| Visio ♀                                         |                                 | linee nūeri<br>cōmu-<br>nes          |    | nis<br>prime<br>♀         | adot<br>pūcti | adot<br>portio-<br>nis                 | Effre-<br>gion<br>lepti | Effre-<br>gion<br>uier             | m. ppor-<br>tio<br>nalia |
| Ort <sup>o</sup> ve.                            | Occasus                         | 5                                    | 6  | 5                         | 4             | 5                                      | 7                       | 8                                  | 15                       |
| spertin <sup>o</sup>                            | matutin <sup>o</sup>            | 0                                    | 6  | 5                         | 4             | 5                                      | 7                       | 8                                  | 15                       |
| 5                                               | 6                               | 5                                    | 4  | 5                         | 4             | 5                                      | 7                       | 8                                  | 15                       |
| Y 15                                            | 31                              | 4                                    | 25 | 0                         | 12            | 5                                      | 4                       | 5                                  | 7                        |
| 8                                               | 13                              | 48                                   | 4  | 29                        | 0             | 24                                     | 5                       | 36                                 | 2                        |
| II 10                                           | 39                              | 7                                    | 38 | 0                         | 30            | 5                                      | 30                      | 2                                  | 46                       |
| 69                                              | 8                               | 38                                   | 8  | 58                        | 0             | 36                                     | 5                       | 24                                 | 2                        |
| Ω 7                                             | 5                               | 8                                    | 59 | 0                         | 42            | 5                                      | 18                      | 2                                  | 46                       |
| mp 6                                            | 53                              | 10                                   | 46 | 0                         | 48            | 5                                      | 12                      | 2                                  | 46                       |
| μ 6                                             | 57                              | II                                   | 9  | 0                         | 54            | 5                                      | 6                       | 2                                  | 46                       |
| η 7                                             | II                              | 26                                   | I  | 0                         | 5             | 0                                      | 2                       | 46                                 | 30                       |
| π 7                                             | 56                              | II                                   | 27 | I                         | 6             | 4                                      | 54                      | 2                                  | 46                       |
| ρ 9                                             | 18                              | 9                                    | 18 | I                         | 12            | 4                                      | 48                      | 2                                  | 46                       |
| σ 12                                            | 47                              | 8                                    | 29 | I                         | 18            | 4                                      | 42                      | 2                                  | 46                       |
| χ 15                                            | 28                              | 7                                    | 43 | I                         | 24            | 4                                      | 36                      | 2                                  | 47                       |
| Occultatio eius.                                |                                 | I                                    | 30 | 4                         | 30            | 2                                      | 47                      | II                                 | 59                       |
| Ort <sup>o</sup> ma-<br>rutinus.                | Occasus<br>matutin <sup>o</sup> | I                                    | 36 | 4                         | 24            | 2                                      | 47                      | 17                                 | 59                       |
| 5                                               | 6                               | 5                                    | 4  | 5                         | 4             | 5                                      | 7                       | 8                                  | 15                       |
| Y 3                                             | 36                              | 2                                    | 27 | I                         | 54            | 4                                      | 6                       | 2                                  | 47                       |
| 8                                               | 4                               | 9                                    | 3  | 30                        | 2             | 0                                      | 4                       | 0                                  | 2                        |
| II 5                                            | 14                              | 8                                    | 47 | 2                         | 6             | 3                                      | 54                      | 2                                  | 47                       |
| 69                                              | 10                              | 12                                   | 10 | 44                        | 2             | 12                                     | 3                       | 48                                 | 2                        |
| Ω 17                                            | 45                              | II                                   | 30 | 2                         | 18            | 3                                      | 42                      | 2                                  | 58                       |
| mp 23                                           | 40                              | 7                                    | 43 | 2                         | 24            | 3                                      | 36                      | 2                                  | 48                       |
| μ 12                                            | 27                              | 6                                    | 40 | 2                         | 30            | 3                                      | 30                      | 2                                  | 48                       |
| η 15                                            | 14                              | 6                                    | 17 | 2                         | 36            | 3                                      | 24                      | 2                                  | 48                       |
| π 7                                             | I                               | 5                                    | 12 | 2                         | 42            | 3                                      | 18                      | 2                                  | 48                       |
| ρ 2                                             | 18                              | 2                                    | 18 | 2                         | 48            | 3                                      | 12                      | 2                                  | 48                       |
| σ 1                                             | 36                              | 1                                    | 14 | 2                         | 54            | 3                                      | 6                       | 2                                  | 48                       |
| χ 2                                             | 43                              | 1                                    | 31 | 3                         | 0             | 3                                      | 0                       | 2                                  | 48                       |

Tabula Medij Argumenti Mercurij.

| 4 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84   | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99  | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85   | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |     |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85   | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |     |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85   | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |     |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85   | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |     |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85</ |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |

# Tabula Equationū Mercurij.

8

| Linee numero<br>mercurij |    |      | Equatio<br>centri |    | Distantia<br>apponitur<br>in longiorē | Logi-<br>tudo lon-<br>gior |   | Equa-<br>tio arith-<br>metica |    | Logi-<br>tudo pro-<br>pior |   |   |
|--------------------------|----|------|-------------------|----|---------------------------------------|----------------------------|---|-------------------------------|----|----------------------------|---|---|
| 5                        |    |      | m                 | d  |                                       | m                          |   | d                             | m  |                            | d | m |
| 0                        |    |      | nue               |    |                                       |                            |   |                               |    |                            |   |   |
| 1                        | 59 | 0 3  | 3                 | 60 | 0                                     | 0 1                        | 2 | 0 17                          | 17 | 0 1                        | 1 |   |
| 2                        | 58 | 0 6  | 3                 | 60 | 0                                     | 0 4                        | 1 | 0 33                          | 16 | 0 2                        | 1 |   |
| 3                        | 57 | 0 9  | 3                 | 60 | 0                                     | 0 5                        | 2 | 0 49                          | 16 | 0 3                        | 1 |   |
| 4                        | 56 | 0 12 | 3                 | 59 | 0                                     | 0 7                        | 2 | 1 5                           | 17 | 0 4                        | 0 |   |
| 5                        | 55 | 0 15 | 3                 | 59 | 0                                     | 0 9                        | 1 | 1 21                          | 16 | 0 4                        | 1 |   |
| 6                        | 54 | 0 17 | 3                 | 59 | 1                                     | 0 10                       | 2 | 1 38                          | 17 | 0 5                        | 1 |   |
| 7                        | 53 | 0 20 | 3                 | 58 | 0                                     | 0 12                       | 2 | 1 55                          | 16 | 0 6                        | 1 |   |
| 8                        | 52 | 0 23 | 3                 | 58 | 0                                     | 0 14                       | 1 | 2 11                          | 16 | 0 7                        | 1 |   |
| 9                        | 51 | 0 25 | 3                 | 58 | 1                                     | 0 15                       | 2 | 2 27                          | 17 | 0 8                        | 1 |   |
| 10                       | 50 | 0 28 | 3                 | 57 | 0                                     | 0 17                       | 2 | 2 44                          | 16 | 0 9                        | 1 |   |
| 11                       | 49 | 0 30 | 3                 | 57 | 0                                     | 0 19                       | 1 | 3 0                           | 16 | 0 10                       | 1 |   |
| 12                       | 48 | 0 33 | 3                 | 57 | 1                                     | 0 20                       | 2 | 3 16                          | 16 | 0 11                       | 1 |   |
| 13                       | 47 | 0 35 | 3                 | 56 | 0                                     | 0 22                       | 1 | 3 32                          | 16 | 0 12                       | 1 |   |
| 14                       | 46 | 0 38 | 3                 | 56 | 1                                     | 0 23                       | 1 | 3 48                          | 17 | 0 13                       | 1 |   |
| 15                       | 45 | 0 40 | 3                 | 55 | 0                                     | 0 24                       | 2 | 4 5                           | 16 | 0 14                       | 1 |   |
| 16                       | 44 | 0 43 | 3                 | 55 | 1                                     | 0 26                       | 2 | 4 21                          | 16 | 0 15                       | 1 |   |
| 17                       | 43 | 0 45 | 3                 | 54 | 0                                     | 0 28                       | 1 | 4 37                          | 16 | 0 16                       | 1 |   |
| 18                       | 42 | 0 48 | 3                 | 54 | 1                                     | 0 29                       | 2 | 4 53                          | 16 | 0 17                       | 1 |   |
| 19                       | 41 | 0 50 | 3                 | 53 | 0                                     | 0 31                       | 2 | 5 9                           | 16 | 0 18                       | 1 |   |
| 20                       | 40 | 0 53 | 3                 | 53 | 1                                     | 0 33                       | 1 | 5 25                          | 16 | 0 19                       | 1 |   |
| 21                       | 39 | 0 55 | 3                 | 52 | 1                                     | 0 34                       | 2 | 5 41                          | 16 | 0 20                       | 1 |   |
| 22                       | 38 | 0 58 | 3                 | 51 | 0                                     | 0 36                       | 2 | 5 57                          | 16 | 0 21                       | 1 |   |
| 23                       | 37 | 1 0  | 3                 | 51 | 1                                     | 0 38                       | 1 | 6 13                          | 16 | 0 22                       | 1 |   |
| 24                       | 36 | 1 2  | 3                 | 50 | 1                                     | 0 39                       | 2 | 6 29                          | 16 | 0 23                       | 1 |   |
| 25                       | 35 | 1 5  | 3                 | 49 | 1                                     | 0 41                       | 2 | 6 45                          | 16 | 0 24                       | 0 |   |
| 26                       | 34 | 1 8  | 3                 | 48 | 1                                     | 0 43                       | 1 | 7 1                           | 16 | 0 24                       | 1 |   |
| 27                       | 33 | 1 10 | 3                 | 47 | 1                                     | 0 44                       | 2 | 7 17                          | 16 | 0 25                       | 1 |   |
| 28                       | 32 | 1 13 | 3                 | 46 | 1                                     | 0 46                       | 2 | 7 33                          | 16 | 0 26                       | 1 |   |
| 29                       | 31 | 1 15 | 3                 | 45 | 1                                     | 0 4                        | 1 | 7 49                          | 15 | 0 27                       | 1 |   |
| 30                       | 30 | 1 17 | 3                 | 44 | 1                                     | 0 49                       | 2 | 8 4                           | 16 | 0 28                       | 1 |   |
| Addere                   |    |      |                   |    |                                       |                            |   |                               |    |                            |   |   |
| 1 1 5                    |    |      |                   |    |                                       |                            |   |                               |    |                            |   |   |
| 1 1 8                    |    |      |                   |    |                                       |                            |   |                               |    |                            |   |   |

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Tabula Equationū et Mercurij.

| Linee numeri<br>co-<br>munes | Equa-<br>no<br>cetri | Logi-<br>tudo<br>pro-<br>pior | Equa-<br>tioar<br>gunti | Logi-<br>tudo<br>pro-<br>pior |
|------------------------------|----------------------|-------------------------------|-------------------------|-------------------------------|
| 5                            | 5                    | 5                             | 5                       | 5                             |
| 0                            | 0                    | 0                             | 0                       | 0                             |
| 31                           | 29                   | 1 20                          | 2                       | 8 20                          |
| 32                           | 28                   | 1 13                          | 2                       | 8 35                          |
| 33                           | 27                   | 1 15                          | 2                       | 8 50                          |
| 34                           | 26                   | 1 28                          | 2                       | 9 6                           |
| 35                           | 25                   | 1 30                          | 2                       | 9 21                          |
| 36                           | 24                   | 1 33                          | 2                       | 9 36                          |
| 37                           | 23                   | 1 36                          | 2                       | 9 51                          |
| 38                           | 22                   | 1 38                          | 2                       | 10 6                          |
| 39                           | 21                   | 1 40                          | 2                       | 10 21                         |
| 40                           | 20                   | 1 43                          | 2                       | 10 36                         |
| 41                           | 19                   | 1 45                          | 2                       | 10 51                         |
| 42                           | 18                   | 1 47                          | 2                       | 11 6                          |
| 43                           | 17                   | 1 50                          | 2                       | 11 21                         |
| 44                           | 16                   | 1 52                          | 2                       | 11 36                         |
| 45                           | 15                   | 1 54                          | 2                       | 11 50                         |
| 46                           | 14                   | 1 57                          | 2                       | 12 5                          |
| 47                           | 13                   | 1 59                          | 2                       | 12 19                         |
| 48                           | 12                   | 2 1                           | 2                       | 12 34                         |
| 49                           | 11                   | 2 4                           | 2                       | 12 48                         |
| 50                           | 10                   | 2 6                           | 2                       | 13 2                          |
| 51                           | 9                    | 2 8                           | 2                       | 13 16                         |
| 52                           | 8                    | 2 10                          | 2                       | 13 30                         |
| 53                           | 7                    | 2 12                          | 2                       | 13 44                         |
| 54                           | 6                    | 2 14                          | 2                       | 13 58                         |
| 55                           | 5                    | 2 16                          | 2                       | 14 12                         |
| 56                           | 4                    | 2 18                          | 2                       | 14 26                         |
| 57                           | 3                    | 2 19                          | 2                       | 14 39                         |
| 58                           | 2                    | 2 21                          | 2                       | 14 52                         |
| 59                           | 1                    | 2 23                          | 2                       | 15 5                          |
| 60                           | 0                    | 2 25                          | 2                       | 15 18                         |



Tabula Equationū Mercurij.

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| Lineenu<br>meri cō,<br>munes |    | Equa<br>tio<br>cētri |    | Ratiō<br>proportio<br>nalia longiorū | Logi<br>tudo<br>lon. |   | Equa<br>tio ar.<br>gumti. |   | Logi<br>tudo<br>pro. |    |     |   |     |   |
|------------------------------|----|----------------------|----|--------------------------------------|----------------------|---|---------------------------|---|----------------------|----|-----|---|-----|---|
| 5                            |    | 11                   |    |                                      | 12                   |   | 13                        |   | 14                   |    |     |   |     |   |
| 1                            |    | nue                  |    |                                      | 15                   |   | 16                        |   | 17                   |    |     |   |     |   |
| 5                            |    | 5                    |    |                                      | 5                    |   | 5                         |   | 5                    |    |     |   |     |   |
| 1                            | 59 | 2                    | 17 | 5                                    | 2                    | 1 | 41                        | 2 | 15                   | 31 | 13  | 0 | 57  | 1 |
| 2                            | 58 | 2                    | 29 | 4                                    | 1                    | 1 | 43                        | 2 | 15                   | 44 | 12  | 0 | 58  | 2 |
| 3                            | 57 | 2                    | 31 | 2                                    | 2                    | 1 | 44                        | 1 | 15                   | 56 | 13  | 1 | 0   | 1 |
| 4                            | 56 | 2                    | 33 | 1                                    | 1                    | 1 | 46                        | 2 | 16                   | 9  | 12  | 1 | 1   | 1 |
| 5                            | 55 | 2                    | 34 | 1                                    | 0                    | 1 | 48                        | 1 | 16                   | 21 | 12  | 1 | 2   | 2 |
| 6                            | 54 | 2                    | 36 | 2                                    | 1                    | 1 | 49                        | 2 | 16                   | 33 | 12  | 1 | 4   | 1 |
| 7                            | 53 | 2                    | 38 | 4                                    | 2                    | 1 | 51                        | 2 | 16                   | 45 | 12  | 1 | 5   | 1 |
| 8                            | 52 | 2                    | 40 | 6                                    | 2                    | 1 | 53                        | 2 | 16                   | 57 | 12  | 1 | 6   | 1 |
| 9                            | 51 | 1                    | 41 | 8                                    | 2                    | 1 | 54                        | 2 | 17                   | 9  | 12  | 1 | 7   | 1 |
| 10                           | 50 | 2                    | 43 | 10                                   | 2                    | 1 | 56                        | 2 | 17                   | 21 | 11  | 1 | 8   | 1 |
| 11                           | 49 | 1                    | 44 | 12                                   | 2                    | 1 | 58                        | 1 | 17                   | 32 | 11  | 1 | 9   | 2 |
| 12                           | 48 | 1                    | 45 | 14                                   | 2                    | 1 | 59                        | 2 | 17                   | 43 | 11  | 1 | 11  | 1 |
| 13                           | 47 | 2                    | 47 | 16                                   | 2                    | 2 | 1                         | 2 | 17                   | 54 | 11  | 1 | 12  | 1 |
| 14                           | 46 | 1                    | 48 | 18                                   | 2                    | 2 | 3                         | 1 | 18                   | 5  | 11  | 1 | 13  | 1 |
| 15                           | 45 | 1                    | 49 | 20                                   | 2                    | 2 | 4                         | 2 | 18                   | 16 | 11  | 1 | 14  | 1 |
| 16                           | 44 | 1                    | 50 | 22                                   | 2                    | 2 | 6                         | 2 | 18                   | 27 | 10  | 1 | 15  | 1 |
| 17                           | 43 | 1                    | 51 | 24                                   | 2                    | 2 | 8                         | 1 | 18                   | 37 | 10  | 1 | 16  | 1 |
| 18                           | 42 | 1                    | 52 | 25                                   | 1                    | 2 | 9                         | 2 | 18                   | 47 | 10  | 1 | 17  | 1 |
| 19                           | 41 | 1                    | 53 | 27                                   | 2                    | 2 | 11                        | 2 | 18                   | 57 | 10  | 1 | 18  | 1 |
| 20                           | 40 | 1                    | 54 | 29                                   | 2                    | 2 | 13                        | 1 | 19                   | 7  | 9   | 1 | 19  | 1 |
| 21                           | 39 | 1                    | 55 | 30                                   | 1                    | 2 | 14                        | 2 | 19                   | 16 | 9   | 1 | 20  | 1 |
| 22                           | 38 | 1                    | 56 | 32                                   | 2                    | 2 | 16                        | 2 | 19                   | 25 | 9   | 1 | 21  | 1 |
| 23                           | 37 | 1                    | 57 | 34                                   | 2                    | 2 | 18                        | 1 | 19                   | 34 | 10  | 1 | 22  | 1 |
| 24                           | 36 | 1                    | 58 | 35                                   | 1                    | 2 | 19                        | 2 | 19                   | 44 | 9   | 1 | 23  | 1 |
| 25                           | 35 | 1                    | 58 | 37                                   | 2                    | 2 | 21                        | 2 | 19                   | 53 | 9   | 1 | 24  | 1 |
| 26                           | 34 | 1                    | 59 | 38                                   | 1                    | 2 | 23                        | 1 | 20                   | 1  | 8   | 1 | 25  | 1 |
| 27                           | 33 | 1                    | 59 | 40                                   | 2                    | 2 | 24                        | 2 | 20                   | 10 | 8   | 1 | 26  | 1 |
| 28                           | 32 | 1                    | 0  | 41                                   | 1                    | 2 | 26                        | 2 | 20                   | 18 | 7   | 1 | 27  | 1 |
| 29                           | 31 | 1                    | 0  | 42                                   | 2                    | 2 | 28                        | 1 | 20                   | 25 | 8   | 1 | 28  | 1 |
| 30                           | 30 | 1                    | 0  | 44                                   | 2                    | 2 | 29                        | 2 | 20                   | 33 | 1   | 1 | 29  | 1 |
| 1                            | 4  | Adde 115             |    | 1                                    | 115                  |   | 115                       |   | 115                  |    | 115 |   | 115 |   |
| 1                            | 5  | nue                  |    |                                      |                      |   |                           |   |                      |    |     |   |     |   |

Tabula Equationū alder cury.

[illegible]

Tabula Equationu Mercurij.

8

| Linee nu<br>merico,<br>munes |    |  | Equa<br>tio U<br>cetri |   |    | Logi<br>tudo U<br>lon |  |      | Equa<br>tio ar<br>gumti |       |    | Logi<br>tudo U<br>pro |   |  |
|------------------------------|----|--|------------------------|---|----|-----------------------|--|------|-------------------------|-------|----|-----------------------|---|--|
| 8                            |    |  | addi                   |   |    | gior                  |  |      | Adde                    |       |    | pior                  |   |  |
| 2                            |    |  | nue                    |   |    | 2                     |  |      | 2                       |       |    | 2                     |   |  |
| 5                            |    |  | 5 m m                  |   |    | 5 m m                 |  |      | 5 m m                   |       |    | 5 m m                 |   |  |
| 1                            | 59 |  | 2 39                   | 2 | 60 | 0                     |  | 3 8  | 0                       | 21 43 | 4  | 1 58                  | 1 |  |
| 2                            | 58 |  | 2 37                   | 2 | 60 | 0                     |  | 3 9  | 0                       | 21 38 | 5  | 1 58                  | 0 |  |
| 3                            | 57 |  | 2 35                   | 1 | 60 | 0                     |  | 3 9  | 0                       | 21 33 | 6  | 1 58                  | 0 |  |
| 4                            | 56 |  | 2 34                   | 2 | 59 | 0                     |  | 3 9  | 1                       | 21 27 | 6  | 1 59                  | 0 |  |
| 5                            | 55 |  | 2 32                   | 2 | 59 | 0                     |  | 3 10 | 0                       | 21 21 | 6  | 1 59                  | 0 |  |
| 6                            | 54 |  | 2 30                   | 2 | 59 | 0                     |  | 3 10 | 1                       | 21 15 | 7  | 1 59                  | 0 |  |
| 7                            | 53 |  | 2 28                   | 2 | 59 | 0                     |  | 3 11 | 0                       | 21 8  | 7  | 2 0                   | 0 |  |
| 8                            | 52 |  | 2 26                   | 2 | 58 | 0                     |  | 3 11 | 1                       | 21 1  | 8  | 2 0                   | 0 |  |
| 9                            | 51 |  | 2 24                   | 2 | 58 | 0                     |  | 3 12 | 0                       | 20 53 | 9  | 2 0                   | 0 |  |
| 10                           | 50 |  | 2 22                   | 2 | 58 | 0                     |  | 3 12 | 0                       | 20 44 | 9  | 2 0                   | 0 |  |
| 11                           | 49 |  | 2 20                   | 2 | 57 | 0                     |  | 3 12 | 1                       | 20 35 | 10 | 2 1                   | 0 |  |
| 12                           | 48 |  | 2 18                   | 2 | 57 | 0                     |  | 3 12 | 0                       | 20 25 | 11 | 2 1                   | 0 |  |
| 13                           | 47 |  | 2 16                   | 2 | 57 | 0                     |  | 3 12 | 1                       | 20 14 | 11 | 2 1                   | 0 |  |
| 14                           | 46 |  | 2 14                   | 2 | 56 | 0                     |  | 3 10 | 1                       | 20 2  | 12 | 2 1                   | 0 |  |
| 15                           | 45 |  | 2 12                   | 2 | 56 | 0                     |  | 3 9  | 1                       | 19 50 | 12 | 2 1                   | 0 |  |
| 16                           | 44 |  | 2 9                    | 2 | 56 | 0                     |  | 3 8  | 1                       | 19 37 | 13 | 2 1                   | 0 |  |
| 17                           | 43 |  | 2 7                    | 2 | 55 | 0                     |  | 3 7  | 1                       | 19 24 | 13 | 2 1                   | 0 |  |
| 18                           | 42 |  | 2 4                    | 2 | 55 | 0                     |  | 3 6  | 1                       | 19 10 | 14 | 2 0                   | 0 |  |
| 19                           | 41 |  | 2 2                    | 2 | 54 | 0                     |  | 3 5  | 1                       | 18 55 | 15 | 2 0                   | 0 |  |
| 20                           | 40 |  | 2 0                    | 2 | 54 | 0                     |  | 3 4  | 2                       | 18 40 | 15 | 2 0                   | 0 |  |
| 21                           | 39 |  | 1 57                   | 2 | 53 | 0                     |  | 3 2  | 2                       | 18 24 | 16 | 2 0                   | 0 |  |
| 22                           | 38 |  | 1 55                   | 2 | 53 | 0                     |  | 3 1  | 2                       | 18 7  | 17 | 1 59                  | 0 |  |
| 23                           | 37 |  | 1 52                   | 2 | 52 | 0                     |  | 2 59 | 2                       | 17 50 | 17 | 1 59                  | 0 |  |
| 24                           | 36 |  | 1 49                   | 2 | 52 | 0                     |  | 2 57 | 2                       | 17 32 | 18 | 1 58                  | 0 |  |
| 25                           | 35 |  | 1 47                   | 2 | 51 | 0                     |  | 2 55 | 2                       | 17 14 | 18 | 1 57                  | 0 |  |
| 26                           | 34 |  | 1 44                   | 2 | 51 | 0                     |  | 2 53 | 2                       | 16 55 | 19 | 1 55                  | 0 |  |
| 27                           | 33 |  | 1 41                   | 2 | 50 | 0                     |  | 2 51 | 3                       | 16 35 | 20 | 1 53                  | 0 |  |
| 28                           | 42 |  | 1 38                   | 2 | 49 | 0                     |  | 2 48 | 3                       | 16 14 | 21 | 1 51                  | 0 |  |
| 29                           | 31 |  | 1 35                   | 2 | 49 | 0                     |  | 2 45 | 3                       | 15 53 | 21 | 1 49                  | 0 |  |
| 30                           | 30 |  | 1 32                   | 2 | 48 | 0                     |  | 2 42 | 3                       | 15 31 | 22 | 1 47                  | 0 |  |
| 3                            |    |  | Adde 2                 |   |    | 2                     |  |      | 2                       |       |    | 2                     |   |  |
| 6                            |    |  |                        |   |    |                       |  |      | addi                    |       |    | addi                  |   |  |
|                              |    |  |                        |   |    |                       |  |      | nue                     |       |    |                       |   |  |

Tabula Equationū Mercurij.

| Linea nu<br>meri cō<br>munes | Equa<br>tio U<br>cētri | Logi<br>tudo U<br>pro | Logi<br>tudo U<br>pro | Equa<br>tio ar<br>gumti | Logi<br>tudo U<br>pro |
|------------------------------|------------------------|-----------------------|-----------------------|-------------------------|-----------------------|
| 5                            | mi                     | ms                    | ms                    | ms                      | ms                    |
| 2                            | nue                    |                       |                       |                         |                       |
| 31                           | 29                     | 1 30                  | 2                     | 48                      | 0                     |
| 32                           | 28                     | 1 27                  | 3                     | 47                      | 1                     |
| 33                           | 27                     | 1 24                  | 3                     | 47                      | 1                     |
| 34                           | 26                     | 1 21                  | 3                     | 46                      | 0                     |
| 35                           | 25                     | 1 18                  | 3                     | 46                      | 1                     |
| 36                           | 24                     | 1 15                  | 3                     | 45                      | 0                     |
| 37                           | 23                     | 1 12                  | 3                     | 45                      | 1                     |
| 38                           | 22                     | 1 9                   | 3                     | 44                      | 0                     |
| 39                           | 21                     | 1 6                   | 3                     | 44                      | 1                     |
| 40                           | 20                     | 1 3                   | 3                     | 43                      | 0                     |
| 41                           | 19                     | 1 0                   | 3                     | 43                      | 0                     |
| 42                           | 18                     | 0 57                  | 3                     | 43                      | 1                     |
| 43                           | 17                     | 0 54                  | 3                     | 42                      | 0                     |
| 44                           | 16                     | 0 41                  | 3                     | 42                      | 0                     |
| 45                           | 15                     | 0 48                  | 3                     | 42                      | 0                     |
| 46                           | 14                     | 0 45                  | 3                     | 41                      | 1                     |
| 47                           | 13                     | 0 42                  | 3                     | 41                      | 0                     |
| 48                           | 12                     | 0 39                  | 3                     | 41                      | 0                     |
| 49                           | 11                     | 0 35                  | 4                     | 41                      | 0                     |
| 50                           | 10                     | 0 32                  | 3                     | 41                      | 0                     |
| 51                           | 9                      | 0 28                  | 4                     | 41                      | 0                     |
| 52                           | 8                      | 0 25                  | 3                     | 41                      | 1                     |
| 53                           | 7                      | 0 22                  | 3                     | 40                      | 0                     |
| 54                           | 6                      | 0 19                  | 3                     | 40                      | 0                     |
| 55                           | 5                      | 0 16                  | 3                     | 40                      | 0                     |
| 56                           | 4                      | 0 16                  | 3                     | 40                      | 0                     |
| 57                           | 3                      | 0 9                   | 4                     | 40                      | 0                     |
| 58                           | 2                      | 0 6                   | 3                     | 40                      | 0                     |
| 59                           | 1                      | 0 3                   | 3                     | 40                      | 0                     |
| 60                           | 0                      | 0 0                   | 0                     | 40                      | 0                     |

| Tabula visio-<br>nū & occulta/<br>tionū mercurij | Tabellarū<br>mercurij h<br>appositarū | Label<br>la sta<br>tio, | Tabella di<br>uerſi motus<br>in vno die & | Tabella latitudi-<br>nis mercurij & |
|--------------------------------------------------|---------------------------------------|-------------------------|-------------------------------------------|-------------------------------------|
|--------------------------------------------------|---------------------------------------|-------------------------|-------------------------------------------|-------------------------------------|

| Uſio &              |                      | linee nūeri<br>cōmu-<br>nes |    |    |    | nis<br>prime<br>& |    | Ador' Ador'<br>pūcti portio-<br>nis |    | Effre Effre m. ppo-<br>gion gion<br>lept mer |    | tio<br>nalia |    |    |    |    |    |    |   |    |    |    |
|---------------------|----------------------|-----------------------------|----|----|----|-------------------|----|-------------------------------------|----|----------------------------------------------|----|--------------|----|----|----|----|----|----|---|----|----|----|
| Or <sup>us</sup> ve | Occasus              | ē                           | g  | ē  | g  | ē                 | g  | m                                   | m  | z                                            | m  | z            | g  | m  | g  | m  | m  | z  |   |    |    |    |
| ſperun <sup>o</sup> | matutin <sup>o</sup> | 0                           | 6  | 5  | 54 | 2                 | 27 | 12                                  | 56 | 10                                           | 51 | 10           | 1  | 45 | 0  | 11 | 59 | 36 |   |    |    |    |
| ē                   | g                    | m                           | g  | m  |    | 0                 | 12 | 5                                   | 48 | 2                                            | 27 | 8            | 56 | 15 | 51 | 5  | 1  | 44 | 0 | 22 | 58 | 36 |
| V                   | 14                   | 10                          | 12 | 24 |    | 0                 | 18 | 5                                   | 42 | 2                                            | 27 | 0            | 56 | 21 | 50 | 58 | 1  | 43 | 0 | 33 | 57 | 0  |
| g                   | 11                   | 15                          | 12 | 18 |    | 0                 | 24 | 5                                   | 36 | 2                                            | 26 | 48           | 56 | 28 | 50 | 30 | 1  | 40 | 0 | 44 | 54 | 36 |
| II                  | 17                   | 10                          | 12 | 37 |    | 0                 | 30 | 5                                   | 30 | 2                                            | 26 | 36           | 56 | 36 | 49 | 50 | 1  | 36 | 0 | 55 | 52 | 0  |
| g                   | 14                   | 9                           | 14 | 9  |    | 0                 | 36 | 5                                   | 24 | 2                                            | 26 | 21           | 56 | 46 | 49 | 20 | 1  | 30 | 1 | 6  | 48 | 24 |
| g                   | 12                   | 53                          | 16 | 39 |    | 0                 | 42 | 5                                   | 18 | 2                                            | 26 | 6            | 56 | 57 | 47 | 30 | 1  | 24 | 1 | 17 | 44 | 24 |
| up                  | 12                   | 8                           | 10 | 23 |    | 0                 | 48 | 5                                   | 12 | 2                                            | 25 | 50           | 57 | 8  | 45 | 30 | 1  | 16 | 1 | 27 | 40 | 0  |
| z                   | 12                   | 10                          | 23 | 50 |    | 0                 | 54 | 5                                   | 6  | 2                                            | 25 | 34           | 57 | 22 | 43 | 0  | 1  | 8  | 1 | 35 | 35 | 12 |
| m                   | 12                   | 41                          | 23 | 49 |    | 1                 | 0  | 5                                   | 0  | 2                                            | 25 | 18           | 57 | 34 | 40 | 0  | 0  | 59 | 1 | 44 | 30 | 0  |
| z                   | 14                   | 3                           | 10 | 44 |    | 1                 | 6  | 4                                   | 54 | 2                                            | 25 | 5            | 57 | 46 | 38 | 0  | 0  | 49 | 1 | 51 | 24 | 24 |
| z                   | 16                   | 19                          | 16 | 19 |    | 1                 | 12 | 4                                   | 48 | 2                                            | 24 | 55           | 58 | 0  | 34 | 0  | 0  | 38 | 1 | 0  | 18 | 24 |
| z                   | 20                   | 15                          | 14 | 7  |    | 1                 | 18 | 4                                   | 42 | 2                                            | 24 | 49           | 58 | 14 | 31 | 0  | 0  | 26 | 1 | 7  | 12 | 24 |
| X                   | 24                   | 38                          | 12 | 14 |    | 1                 | 24 | 4                                   | 36 | 2                                            | 24 | 43           | 58 | 28 | 28 | 0  | 0  | 16 | 1 | 14 | 6  | 24 |
| Occultatio eius.    |                      | 1                           | 30 | 4  | 30 | 2                 | 24 | 37                                  | 58 | 44                                           | 25 | 0            | 0  | 0  | 0  | 0  | 2  | 20 | 0 | 0  |    |    |

|                      |                       |    |    |   |    |   |    |    |    |    |    |    |     |    |   |    |    |    |    |    |
|----------------------|-----------------------|----|----|---|----|---|----|----|----|----|----|----|-----|----|---|----|----|----|----|----|
| Ort <sup>us</sup> ma | Occasus               | 1  | 36 | 4 | 24 | 2 | 24 | 34 | 59 | 0  | 19 | 0  | 0   | 15 | 2 | 17 | 6  | 24 |    |    |
| tutinus.             | veſperin <sup>o</sup> | 1  | 42 | 4 | 18 | 2 | 24 | 32 | 59 | 16 | 12 | 0  | 0   | 31 | 2 | 28 | 12 | 24 |    |    |
| ē                    | g m                   | 1  | 48 | 4 | 12 | 2 | 24 | 30 | 59 | 34 | 5  | 0  | 0   | 48 | 2 | 29 | 18 | 24 |    |    |
| V                    | 22 43                 | 12 | 9  | 1 | 54 | 4 | 6  | 2  | 24 | 30 | 59 | 42 | 2   | 0  | 1 | 6  | 2  | 30 | 24 | 24 |
| g                    | 21 23                 | 12 | 12 | 2 | 0  | 4 | 0  | 2  | 24 | 29 | 60 | 10 | 11  | 0  | 1 | 25 | 2  | 29 | 30 | 0  |
| II                   | 22 28                 | 14 | 44 | 2 | 6  | 3 | 54 | 2  | 24 | 29 | 60 | 28 | 19  | 0  | 1 | 45 | 2  | 26 | 35 | 12 |
| g                    | 18 48                 | 19 | 48 | 2 | 12 | 3 | 48 | 2  | 24 | 30 | 60 | 44 | 31  | 0  | 2 | 6  | 2  | 20 | 40 | 0  |
| g                    | 15 18                 | 23 | 25 | 2 | 18 | 3 | 42 | 2  | 24 | 32 | 60 | 0  | 44  | 0  | 2 | 26 | 2  | 11 | 44 | 24 |
| up                   | 13 18                 | 26 | 37 | 2 | 24 | 3 | 36 | 2  | 24 | 34 | 61 | 14 | 51  | 0  | 2 | 47 | 2  | 0  | 48 | 24 |
| z                    | 12 29                 | 25 | 38 | 2 | 30 | 3 | 30 | 2  | 24 | 36 | 61 | 26 | 71  | 0  | 3 | 7  | 1  | 45 | 52 | 0  |
| m                    | 12 10                 | 20 | 35 | 2 | 36 | 3 | 24 | 2  | 24 | 38 | 61 | 38 | 83  | 0  | 3 | 26 | 1  | 29 | 54 | 36 |
| z                    | 12 16                 | 17 | 41 | 2 | 42 | 3 | 18 | 2  | 24 | 39 | 61 | 45 | 94  | 0  | 3 | 42 | 1  | 10 | 56 | 0  |
| z                    | 12 15                 | 12 | 30 | 2 | 48 | 3 | 12 | 2  | 24 | 40 | 61 | 53 | 103 | 0  | 3 | 54 | 0  | 48 | 58 | 36 |
| z                    | 14 25                 | 11 | 32 | 2 | 54 | 3 | 6  | 2  | 24 | 41 | 62 | 0  | 108 | 0  | 4 | 2  | 0  | 28 | 59 | 36 |
| X                    | 18 22                 | 11 | 47 | 3 | 0  | 3 | 0  | 2  | 24 | 42 | 62 | 5  | 112 | 0  | 4 | 5  | 0  | 0  | 60 | 0  |

Tabula Medij Motus Martis

| 4 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 | 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 | 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 | 397 | 398 | 399 | 400 | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 | 431 | 432 | 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 | 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 450 | 451 | 452 | 453 | 454 | 455 | 456 | 457 | 458 | 459 | 460 | 461 | 462 | 463 | 464 | 465 | 466 | 467 | 468 | 469 | 470 | 471 | 472 | 473 | 474 | 475 | 476 | 477 | 478 | 479 | 480 | 481 | 482 | 483 | 484 | 485 | 486 | 487 | 488 | 489 | 490 | 491 | 492 | 493 | 494 | 495 | 496 | 497 | 498 | 499 | 500 | 501 | 502 | 503 | 504 | 505 | 506 | 507 | 508 | 509 | 510 | 511 | 512 | 513 | 514 | 515 | 516 | 517 | 518 | 519 | 520 | 521 | 522 | 523 |  |
|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|

Tabula Equationū Martis.

| Linee nu-<br>meri co-<br>munes | Equa-<br>tio C-<br>ettri | Logi-<br>tudo | Equa-<br>tio ar-<br>gumti | Logi-<br>tudo |
|--------------------------------|--------------------------|---------------|---------------------------|---------------|
| 5                              | AD A                     | gior A        | Adde A                    | pior A        |
| o                              | nue                      |               |                           |               |
| g                              | g                        | g m m         | g m m                     | g m m         |
| 1                              | 59                       | o II          | 60                        | o 1           |
| 2                              | 58                       | o 11          | 60                        | o 3           |
| 3                              | 57                       | o 33          | 60                        | o 4           |
| 4                              | 56                       | o 44          | 60                        | o 6           |
| 5                              | 55                       | o 55          | 60                        | o 7           |
| 6                              | 54                       | I 5           | 60                        | o 8           |
| 7                              | 53                       | I 16          | 59                        | o 10          |
| 8                              | 52                       | I 27          | 59                        | o 11          |
| 9                              | 51                       | I 38          | 59                        | o 12          |
| 10                             | 50                       | I 49          | 59                        | o 14          |
| 11                             | 49                       | 2 0           | 59                        | o 15          |
| 12                             | 48                       | 2 10          | 59                        | o 16          |
| 13                             | 47                       | 2 21          | 58                        | o 18          |
| 14                             | 46                       | 2 32          | 58                        | o 19          |
| 15                             | 45                       | 2 42          | 58                        | o 20          |
| 16                             | 44                       | 2 53          | 57                        | o 21          |
| 17                             | 43                       | 3 3           | 57                        | o 22          |
| 18                             | 42                       | 3 13          | 57                        | o 23          |
| 19                             | 41                       | 3 24          | 56                        | o 24          |
| 20                             | 40                       | 3 35          | 56                        | o 27          |
| 21                             | 39                       | 3 45          | 56                        | o 28          |
| 22                             | 38                       | 3 56          | 55                        | o 30          |
| 23                             | 37                       | 4 6           | 55                        | o 31          |
| 24                             | 36                       | 4 16          | 55                        | o 33          |
| 25                             | 35                       | 4 26          | 54                        | o 35          |
| 26                             | 34                       | 4 36          | 54                        | o 37          |
| 27                             | 33                       | 4 46          | 53                        | o 38          |
| 28                             | 32                       | 4 56          | 53                        | o 40          |
| 29                             | 31                       | 5 6           | 52                        | o 41          |
| 30                             | 30                       | 5 16          | 52                        | o 42          |
|                                | 5                        | Adde AD       | A                         | AD            |
|                                | 8                        | nue           |                           | f 2           |

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| Lineenn.<br>meri cō<br>munes | Equa<br>tio<br>cētri | Logi<br>tudo<br>lon. | Equa<br>tio ar<br>gumēti | Logi<br>tudo<br>pro. |
|------------------------------|----------------------|----------------------|--------------------------|----------------------|
| 51                           | 121                  | 121                  | 121                      | 121                  |
| 52                           | 122                  | 122                  | 122                      | 122                  |
| 53                           | 123                  | 123                  | 123                      | 123                  |
| 54                           | 124                  | 124                  | 124                      | 124                  |
| 55                           | 125                  | 125                  | 125                      | 125                  |
| 56                           | 126                  | 126                  | 126                      | 126                  |
| 57                           | 127                  | 127                  | 127                      | 127                  |
| 58                           | 128                  | 128                  | 128                      | 128                  |
| 59                           | 129                  | 129                  | 129                      | 129                  |
| 60                           | 130                  | 130                  | 130                      | 130                  |
| 61                           | 131                  | 131                  | 131                      | 131                  |
| 62                           | 132                  | 132                  | 132                      | 132                  |
| 63                           | 133                  | 133                  | 133                      | 133                  |
| 64                           | 134                  | 134                  | 134                      | 134                  |
| 65                           | 135                  | 135                  | 135                      | 135                  |
| 66                           | 136                  | 136                  | 136                      | 136                  |
| 67                           | 137                  | 137                  | 137                      | 137                  |
| 68                           | 138                  | 138                  | 138                      | 138                  |
| 69                           | 139                  | 139                  | 139                      | 139                  |
| 70                           | 140                  | 140                  | 140                      | 140                  |
| 71                           | 141                  | 141                  | 141                      | 141                  |
| 72                           | 142                  | 142                  | 142                      | 142                  |
| 73                           | 143                  | 143                  | 143                      | 143                  |
| 74                           | 144                  | 144                  | 144                      | 144                  |
| 75                           | 145                  | 145                  | 145                      | 145                  |
| 76                           | 146                  | 146                  | 146                      | 146                  |
| 77                           | 147                  | 147                  | 147                      | 147                  |
| 78                           | 148                  | 148                  | 148                      | 148                  |
| 79                           | 149                  | 149                  | 149                      | 149                  |
| 80                           | 150                  | 150                  | 150                      | 150                  |
| 81                           | 151                  | 151                  | 151                      | 151                  |
| 82                           | 152                  | 152                  | 152                      | 152                  |
| 83                           | 153                  | 153                  | 153                      | 153                  |
| 84                           | 154                  | 154                  | 154                      | 154                  |
| 85                           | 155                  | 155                  | 155                      | 155                  |
| 86                           | 156                  | 156                  | 156                      | 156                  |
| 87                           | 157                  | 157                  | 157                      | 157                  |
| 88                           | 158                  | 158                  | 158                      | 158                  |
| 89                           | 159                  | 159                  | 159                      | 159                  |
| 90                           | 160                  | 160                  | 160                      | 160                  |
| 91                           | 161                  | 161                  | 161                      | 161                  |
| 92                           | 162                  | 162                  | 162                      | 162                  |
| 93                           | 163                  | 163                  | 163                      | 163                  |
| 94                           | 164                  | 164                  | 164                      | 164                  |
| 95                           | 165                  | 165                  | 165                      | 165                  |
| 96                           | 166                  | 166                  | 166                      | 166                  |
| 97                           | 167                  | 167                  | 167                      | 167                  |
| 98                           | 168                  | 168                  | 168                      | 168                  |
| 99                           | 169                  | 169                  | 169                      | 169                  |
| 100                          | 170                  | 170                  | 170                      | 170                  |



**Tabula Equationis Martis**

| Linea numeri communi | Equatio centri | Logitudo pro | Logitudo  | Equatio ar gumeti | Logitudo pro |
|----------------------|----------------|--------------|-----------|-------------------|--------------|
| g   m   m            | g   m   m      | g   m   m    | g   m   m | g   m   m         | g   m   m    |
| 1   59               | 9   31         | 7   29       | 1   19    | 2   13   35       | 2   1   42   |
| 2   58               | 9   37         | 6   28       | 1   30    | 2   13   57       | 2   1   44   |
| 3   57               | 9   43         | 6   27       | 1   32    | 2   24   18       | 2   1   46   |
| 4   56               | 9   49         | 6   16       | 1   34    | 2   24   40       | 2   1   48   |
| 5   55               | 9   55         | 5   25       | 1   36    | 2   25   1        | 2   1   50   |
| 6   54               | 10   0         | 5   24       | 1   37    | 2   25   22       | 2   1   53   |
| 7   53               | 10   5         | 5   23       | 1   39    | 2   25   44       | 2   1   55   |
| 8   52               | 10   10        | 5   22       | 1   41    | 2   26   5        | 2   1   57   |
| 9   51               | 10   15        | 5   21       | 1   43    | 2   26   26       | 2   1   59   |
| 10   50              | 10   20        | 5   20       | 1   45    | 2   26   47       | 2   1   1    |
| 11   49              | 10   25        | 5   19       | 1   47    | 2   27   8        | 2   1   3    |
| 12   48              | 10   29        | 5   17       | 1   49    | 2   27   29       | 2   1   6    |
| 13   47              | 10   34        | 4   16       | 1   51    | 2   27   50       | 2   1   8    |
| 14   46              | 10   38        | 4   15       | 1   53    | 2   28   11       | 2   1   10   |
| 15   45              | 10   42        | 4   14       | 1   55    | 2   28   31       | 2   1   12   |
| 16   44              | 10   46        | 4   13       | 1   57    | 2   28   52       | 2   1   14   |
| 17   43              | 10   50        | 4   12       | 1   59    | 2   29   12       | 2   1   16   |
| 18   42              | 10   53        | 3   11       | 2   1     | 2   29   32       | 2   1   19   |
| 19   41              | 10   57        | 3   10       | 2   3     | 2   29   52       | 2   1   21   |
| 20   40              | 11   0         | 3   9        | 2   5     | 2   30   12       | 2   1   23   |
| 21   39              | 11   3         | 3   8        | 2   8     | 2   30   32       | 2   1   26   |
| 22   38              | 11   6         | 3   7        | 2   10    | 2   30   52       | 2   1   28   |
| 23   37              | 11   9         | 3   5        | 2   12    | 2   31   11       | 2   1   30   |
| 24   36              | 11   12        | 3   4        | 2   14    | 2   31   30       | 2   1   33   |
| 25   35              | 11   15        | 3   3        | 2   16    | 2   31   49       | 2   1   35   |
| 26   34              | 11   17        | 3   2        | 2   18    | 2   32   8        | 2   1   38   |
| 27   33              | 11   19        | 2   1        | 2   20    | 2   32   27       | 2   1   41   |
| 28   32              | 11   21        | 2   0        | 2   23    | 2   32   46       | 2   1   43   |
| 29   31              | 11   22        | 1   3        | 2   25    | 2   33   4        | 2   1   46   |
| 30   30              | 11   23        | 1   1        | 2   27    | 2   33   22       | 2   1   49   |
| 4                    | Adde 15        | 15           | 15        | 15                | 15           |
| 5                    | nue            |              |           |                   |              |

Tabula Equationū Martis

| Lineam<br>meri cō<br>munes |    |       | Equa<br>tio<br>cētri |    |   | Logi<br>tudo<br>lon. | Equa<br>tio ar<br>gumēti |       |      | Logi<br>tudo<br>pro |   |
|----------------------------|----|-------|----------------------|----|---|----------------------|--------------------------|-------|------|---------------------|---|
| g m m                      |    |       | g m m                |    |   |                      | g m m                    |       |      |                     |   |
| 31                         | 19 | II 13 | 0                    | 4  | I | 130                  | 3                        | 33 40 | 18   | 1 52                | 3 |
| 32                         | 18 | II 14 | 1                    | 5  | I | 131                  | 2                        | 33 58 | 18   | 1 55                | 3 |
| 33                         | 17 | II 14 | 0                    | 6  | I | 135                  | 3                        | 34 15 | 17   | 2 57                | 2 |
| 34                         | 16 | II 14 | 0                    | 7  | I | 137                  | 2                        | 34 31 | 17   | 3 0                 | 3 |
| 35                         | 15 | II 14 | 0                    | 8  | I | 139                  | 3                        | 34 49 | 17   | 3 3                 | 3 |
| 36                         | 14 | II 14 | 1                    | 9  | I | 142                  | 2                        | 35 6  | 17   | 3 6                 | 3 |
| 37                         | 13 | II 13 | 0                    | 10 | I | 144                  | 3                        | 35 23 | 17   | 3 9                 | 3 |
| 38                         | 12 | II 13 | 1                    | 11 | I | 147                  | 2                        | 35 40 | 16   | 3 12                | 3 |
| 39                         | 11 | II 12 | 1                    | 12 | I | 149                  | 2                        | 35 56 | 16   | 3 15                | 4 |
| 40                         | 10 | II 11 | 1                    | 13 | I | 151                  | 3                        | 36 12 | 16   | 3 19                | 3 |
| 41                         | 9  | II 10 | 1                    | 14 | I | 154                  | 2                        | 36 28 | 15   | 3 22                | 3 |
| 42                         | 18 | II 19 | 2                    | 15 | I | 156                  | 3                        | 36 43 | 15   | 3 25                | 3 |
| 43                         | 17 | II 17 | 2                    | 16 | O | 159                  | 2                        | 36 58 | 15   | 3 28                | 4 |
| 44                         | 16 | II 15 | 2                    | 16 | I | 3 1                  | 3                        | 37 13 | 14   | 3 31                | 4 |
| 45                         | 15 | II 13 | 2                    | 17 | I | 3 4                  | 3                        | 37 27 | 14   | 3 36                | 3 |
| 46                         | 14 | II 11 | 2                    | 18 | I | 3 7                  | 3                        | 37 41 | 14   | 3 39                | 4 |
| 47                         | 13 | II 9  | 3                    | 19 | I | 3 10                 | 3                        | 37 55 | 14   | 3 43                | 4 |
| 48                         | 12 | II 6  | 3                    | 20 | I | 3 13                 | 3                        | 38 9  | 14   | 3 47                | 3 |
| 49                         | 11 | II 3  | 3                    | 21 | I | 3 16                 | 3                        | 38 23 | 13   | 3 50                | 4 |
| 50                         | 10 | II 0  | 3                    | 22 | O | 3 19                 | 3                        | 38 36 | 13   | 3 54                | 4 |
| 51                         | 9  | IO 57 | 4                    | 22 | I | 3 22                 | 3                        | 38 49 | 12   | 3 58                | 3 |
| 52                         | 8  | IO 53 | 4                    | 23 | I | 3 25                 | 3                        | 39 1  | 12   | 4 1                 | 4 |
| 53                         | 7  | IO 49 | 4                    | 24 | I | 3 28                 | 4                        | 39 13 | II   | 4 5                 | 4 |
| 54                         | 6  | IO 45 | 4                    | 25 | I | 3 31                 | 3                        | 39 24 | II   | 4 9                 | 4 |
| 55                         | 5  | IO 41 | 4                    | 26 | I | 3 35                 | 4                        | 39 35 | 10   | 4 13                | 4 |
| 56                         | 4  | IO 37 | 4                    | 27 | O | 3 39                 | 4                        | 39 45 | II   | 4 17                | 4 |
| 57                         | 3  | IO 33 | 4                    | 27 | I | 3 43                 | 3                        | 39 56 | 9    | 4 21                | 5 |
| 58                         | 2  | IO 29 | 4                    | 28 | I | 3 46                 | 4                        | 40 5  | 9    | 4 26                | 4 |
| 59                         | 1  | IO 25 | 4                    | 29 | I | 3 50                 | 4                        | 40 14 | 7    | 4 30                | 5 |
| 60                         | 0  | IO 21 | 4                    | 30 | I | 3 54                 | 3                        | 40 23 | 7    | 4 35                | 5 |
| 4                          |    |       | 4 11: 15             |    |   | 4 15                 |                          |       | 4 15 |                     |   |
| 8                          |    |       | 8                    |    |   | 8                    |                          |       | 8    |                     |   |

Tabula Equationū Martis

| Linea<br>merico-<br>munes |    |    | Equa-<br>tio<br>ceteri |    | reductio<br>proportio-<br>nalis | Logi-<br>tudo<br>lon- |      | Equa-<br>tio ar-<br>gumti |       | Logi-<br>tudo<br>pro- |      |
|---------------------------|----|----|------------------------|----|---------------------------------|-----------------------|------|---------------------------|-------|-----------------------|------|
| 1 2 3                     |    |    | 4 5 6                  |    |                                 | 7 8 9                 |      | 10 11 12                  |       | 13 14 15              |      |
| 1                         |    |    | nue                    |    |                                 | 16 17 18              |      | 19 20 21                  |       | 22 23 24              |      |
| 1                         | 59 | 10 | 17                     | 4  | 30                              | 1                     | 3 57 | 3                         | 40 30 | 7                     | 4 40 |
| 2                         | 58 | 10 | 11                     | 5  | 31                              | 1                     | 4 0  | 3                         | 40 37 | 7                     | 4 45 |
| 3                         | 57 | 10 | 6                      | 6  | 32                              | 1                     | 4 4  | 4                         | 40 44 | 7                     | 4 50 |
| 4                         | 56 | 10 | 0                      | 6  | 33                              | 1                     | 4 7  | 3                         | 40 49 | 5                     | 4 55 |
| 5                         | 55 | 9  | 54                     | 6  | 34                              | 1                     | 4 10 | 4                         | 40 54 | 5                     | 5 0  |
| 6                         | 54 | 9  | 48                     | 7  | 35                              | 1                     | 4 14 | 3                         | 40 59 | 5                     | 5 5  |
| 7                         | 53 | 9  | 41                     | 7  | 36                              | 1                     | 4 17 | 4                         | 41 2  | 3                     | 5 10 |
| 8                         | 52 | 9  | 34                     | 7  | 37                              | 1                     | 4 21 | 3                         | 41 5  | 3                     | 5 15 |
| 9                         | 51 | 9  | 27                     | 7  | 38                              | 1                     | 4 24 | 4                         | 41 8  | 1                     | 5 20 |
| 10                        | 50 | 9  | 20                     | 7  | 39                              | 1                     | 4 28 | 3                         | 41 9  | 1                     | 5 26 |
| 11                        | 49 | 9  | 13                     | 8  | 40                              | 1                     | 4 31 | 4                         | 41 10 | 0                     | 5 31 |
| 12                        | 48 | 9  | 5                      | 8  | 41                              | 0                     | 4 35 | 4                         | 41 10 | 3                     | 5 37 |
| 13                        | 47 | 8  | 57                     | 8  | 41                              | 1                     | 4 38 | 3                         | 41 7  | 3                     | 5 43 |
| 14                        | 46 | 8  | 49                     | 8  | 42                              | 0                     | 4 41 | 4                         | 41 4  | 4                     | 5 49 |
| 15                        | 45 | 8  | 41                     | 9  | 42                              | 1                     | 4 45 | 3                         | 41 0  | 5                     | 5 55 |
| 16                        | 44 | 8  | 32                     | 9  | 43                              | 1                     | 4 48 | 4                         | 40 55 | 5                     | 6 1  |
| 17                        | 43 | 8  | 23                     | 9  | 44                              | 1                     | 4 52 | 4                         | 40 50 | 5                     | 6 8  |
| 18                        | 42 | 8  | 14                     | 9  | 45                              | 1                     | 4 56 | 3                         | 40 45 | 6                     | 6 15 |
| 19                        | 41 | 8  | 5                      | 9  | 46                              | 0                     | 4 59 | 4                         | 40 39 | 8                     | 6 21 |
| 20                        | 40 | 7  | 56                     | 9  | 46                              | 1                     | 5 3  | 4                         | 40 31 | 10                    | 6 27 |
| 21                        | 39 | 7  | 47                     | 10 | 47                              | 0                     | 5 7  | 4                         | 40 21 | 13                    | 6 34 |
| 22                        | 38 | 7  | 37                     | 10 | 47                              | 1                     | 5 11 | 4                         | 40 8  | 15                    | 6 41 |
| 23                        | 37 | 7  | 17                     | 10 | 48                              | 0                     | 5 15 | 3                         | 39 53 | 16                    | 6 47 |
| 24                        | 36 | 7  | 17                     | 10 | 48                              | 1                     | 5 18 | 4                         | 39 37 | 17                    | 6 53 |
| 25                        | 35 | 7  | 7                      | 10 | 49                              | 0                     | 5 22 | 3                         | 39 20 | 19                    | 6 59 |
| 26                        | 34 | 6  | 57                     | 10 | 49                              | 1                     | 5 25 | 3                         | 39 1  | 11                    | 7 6  |
| 27                        | 33 | 6  | 47                     | 10 | 50                              | 0                     | 5 28 | 2                         | 38 40 | 24                    | 7 12 |
| 28                        | 32 | 6  | 37                     | 11 | 50                              | 1                     | 5 30 | 2                         | 38 16 | 25                    | 7 18 |
| 29                        | 31 | 6  | 26                     | 10 | 51                              | 0                     | 5 32 | 2                         | 37 51 | 26                    | 7 24 |
| 30                        | 30 | 6  | 16                     | 11 | 51                              | 1                     | 5 34 | 2                         | 37 25 | 28                    | 7 30 |
|                           |    |    | Adde                   |    |                                 |                       |      |                           |       |                       |      |
|                           |    |    | 1                      |    |                                 |                       |      |                           |       |                       |      |
|                           |    |    | 2                      |    |                                 |                       |      |                           |       |                       |      |



Tabula Equationū ad Artis

[illegible]

Tabula visio- Tabellariū Tabella Tabella di Tabellatitudo  
 nū & occulta- martis h la sta uerū motus & sine augmētati-  
 tionū martis appositariū tio in vno die & onez diminutione.

| Visio                         | linee mēri<br>cōma-<br>nes | nis<br>prime | Hor <sup>o</sup> Hor <sup>o</sup><br>pūcti portio-<br>nis | Effre<br>gion | Effre<br>gion | m. ppoz.<br>tio<br>nalia |
|-------------------------------|----------------------------|--------------|-----------------------------------------------------------|---------------|---------------|--------------------------|
| Ortus<br>matutin <sup>o</sup> | 5 5 5                      | 5 5 5        | 1 3 7 33                                                  | 24 43 11 5    | 0 7 0 3       | 59 36                    |
| 5 5 5                         | 0 12 5 48                  | 1 3 7 38     | 25 50 11 0                                                | 0 9 0 4       | 58 36         |                          |
| V 19 0                        | 0 18 5 42                  | 1 3 7 47     | 26 0 10 58                                                | 0 11 0 5      | 57 0          |                          |
| X 27 11                       | 0 24 5 36                  | 1 3 7 59     | 26 15 10 45                                               | 0 13 0 6      | 54 36         |                          |
| II 12 14                      | 0 30 5 30                  | 1 3 8 15     | 26 30 10 42                                               | 0 14 0 7      | 52 0          |                          |
| 69 18 15                      | 0 36 5 24                  | 1 3 8 33     | 26 45 10 36                                               | 0 16 0 9      | 48 24         |                          |
| Q 16 7                        | 0 42 5 18                  | 1 3 8 57     | 27 0 10 30                                                | 0 18 0 12     | 44 24         |                          |
| mp 15 8                       | 0 48 5 12                  | 1 3 9 21     | 27 15 10 24                                               | 0 21 0 15     | 40 0          |                          |
| u 14 12                       | 0 54 5 6                   | 1 3 9 51     | 27 30 10 11                                               | 0 24 0 18     | 35 12         |                          |
| m 15 8                        | 1 0 5 0                    | 2 40 21      | 27 50 10 0                                                | 0 28 0 22     | 30 0          |                          |
| T 16 7                        | 1 6 4 54                   | 2 40 56      | 28 15 9 48                                                | 0 32 0 26     | 24 24         |                          |
| o 18 15                       | 1 12 4 48                  | 2 41 31      | 29 0 9 30                                                 | 0 36 0 30     | 18 24         |                          |
| z 22 14                       | 1 18 4 42                  | 2 42 9       | 29 4 9 10                                                 | 0 41 0 36     | 12 24         |                          |
| X 27 11                       | 1 24 4 36                  | 2 42 47      | 30 10 8 50                                                | 0 46 0 42     | 6 24          |                          |
| Occultatio ei <sup>o</sup>    | 1 30 4 30                  | 2 43 25      | 31 0 8 25                                                 | 0 52 0 49     | 0 0           |                          |
| Occasus                       | 1 36 4 24                  | 2 43 57      | 31 35 7 55                                                | 0 59 0 56     | 6 24          |                          |
| vesperin <sup>o</sup>         | 1 42 4 18                  | 2 44 31      | 32 10 7 10                                                | 1 6 1 4       | 12 24         |                          |
| 5 5 5                         | 1 48 4 12                  | 2 45 5       | 32 55 6 10                                                | 1 14 1 13     | 18 24         |                          |
| V 14 12                       | 1 54 4 6                   | 2 45 39      | 33 30 5 20                                                | 1 23 1 24     | 24 24         |                          |
| X 15 8                        | 2 0 4 0                    | 2 46 11      | 34 0 4 0                                                  | 1 34 1 37     | 30 0          |                          |
| II 16 7                       | 2 6 3 54                   | 2 46 41      | 50 2 10 60                                                | 1 47 1 51     | 35 12         |                          |
| 69 18 15                      | 2 12 3 48                  | 2 47 11      | 35 Retros. 60                                             | 2 1 2 10      | 40 0          |                          |
| Q 22 14                       | 2 18 3 42                  | 2 47 37      | 10 2 18 60                                                | 2 16 2 33     | 44 24         |                          |
| mp 27 11                      | 2 24 3 36                  | 2 48 1       | 35 7 45 60                                                | 2 34 2 56     | 48 24         |                          |
| u 29 0                        | 2 30 3 30                  | 2 48 21      | 0 13 0 60                                                 | 2 55 3 29     | 52 0          |                          |
| m 27 11                       | 2 36 3 24                  | 2 48 41      | 10 25 20 61                                               | 3 16 4 9      | 54 36         |                          |
| T 22 14                       | 2 42 3 18                  | 2 48 53      | 40 29 30 61                                               | 3 38 4 55     | 56 0          |                          |
| o 18 15                       | 2 48 3 12                  | 2 49 5       | 0 39 29 61                                                | 4 0 5 43      | 58 36         |                          |
| z 16 7                        | 2 54 3 6                   | 2 49 11      | 10 49 20 61                                               | 4 14 6 26     | 59 36         |                          |
| X 15 12                       | 3 0 3 0                    | 2 49 14      | 40 53 50 61                                               | 4 21 7 30     | 60 0          |                          |

Tabula Medij Motus Jouis

| TABLE 1 |   |   |    |    |         |    |    |    |    | TABLE 2 |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
|---------|---|---|----|----|---------|----|----|----|----|---------|----|----|----|----|---------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| TABLE 1 |   |   |    |    | TABLE 2 |    |    |    |    | TABLE 1 |    |    |    |    | TABLE 2 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| 1       | 2 | 3 | 4  | 5  | 6       | 7  | 8  | 9  | 10 | 11      | 12 | 13 | 14 | 15 | 16      | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |    |   |
| 1       | 0 | 0 | 4  | 59 | 15      | 27 | 7  | 23 | 50 | 31      | 0  | 1  | 34 | 36 | 59      | 0  | 49 | 18 | 50 | 32 | 0  | 1  | 39 | 36 | 14 | 27 | 56 | 42 | 40 |    |   |
| 2       | 0 | 0 | 9  | 58 | 30      | 54 | 14 | 47 | 40 | 32      | 0  | 2  | 44 | 35 | 29      | 55 | 4  | 6  | 30 | 33 | 0  | 2  | 49 | 34 | 45 | 22 | 11 | 30 | 10 |    |   |
| 3       | 0 | 0 | 14 | 57 | 46      | 21 | 22 | 11 | 30 | 33      | 0  | 3  | 49 | 34 | 45      | 22 | 11 | 30 | 10 | 34 | 0  | 3  | 54 | 34 | 0  | 49 | 18 | 54 | 10 |    |   |
| 4       | 0 | 0 | 19 | 57 | 1       | 48 | 29 | 35 | 20 | 35      | 0  | 4  | 54 | 34 | 0       | 49 | 18 | 54 | 10 | 36 | 0  | 4  | 59 | 33 | 16 | 16 | 26 | 18 | 0  |    |   |
| 5       | 0 | 0 | 24 | 56 | 17      | 15 | 36 | 59 | 10 | 36      | 0  | 5  | 59 | 33 | 16      | 16 | 26 | 18 | 0  | 37 | 0  | 5  | 64 | 31 | 31 | 43 | 33 | 41 | 50 |    |   |
| 6       | 0 | 0 | 29 | 55 | 32      | 42 | 44 | 23 | 0  | 37      | 0  | 6  | 64 | 31 | 31      | 43 | 33 | 41 | 50 | 38 | 0  | 6  | 69 | 31 | 47 | 10 | 41 | 5  | 40 |    |   |
| 7       | 0 | 0 | 34 | 54 | 48      | 9  | 51 | 46 | 50 | 38      | 0  | 7  | 69 | 31 | 47      | 10 | 41 | 5  | 40 | 39 | 0  | 7  | 74 | 31 | 1  | 37 | 48 | 29 | 30 |    |   |
| 8       | 0 | 0 | 39 | 54 | 3       | 36 | 59 | 10 | 40 | 39      | 0  | 8  | 74 | 31 | 1       | 37 | 48 | 29 | 30 | 40 | 0  | 8  | 79 | 30 | 18 | 4  | 55 | 53 | 10 |    |   |
| 9       | 0 | 0 | 44 | 53 | 19      | 4  | 6  | 34 | 30 | 40      | 0  | 9  | 79 | 30 | 18      | 4  | 55 | 53 | 10 | 41 | 0  | 9  | 84 | 29 | 33 | 32 | 1  | 17 | 10 |    |   |
| 10      | 0 | 0 | 49 | 52 | 34      | 31 | 13 | 58 | 20 | 41      | 0  | 10 | 84 | 29 | 33      | 32 | 1  | 17 | 10 | 42 | 0  | 10 | 89 | 28 | 48 | 59 | 10 | 41 | 0  |    |   |
| 11      | 0 | 0 | 54 | 51 | 49      | 58 | 21 | 22 | 10 | 42      | 0  | 11 | 89 | 28 | 48      | 59 | 10 | 41 | 0  | 43 | 0  | 11 | 94 | 28 | 4  | 26 | 18 | 4  | 50 |    |   |
| 12      | 0 | 0 | 59 | 51 | 5       | 25 | 28 | 46 | 0  | 43      | 0  | 12 | 94 | 28 | 4       | 26 | 18 | 4  | 50 | 44 | 0  | 12 | 99 | 27 | 19 | 53 | 25 | 28 | 40 |    |   |
| 13      | 0 | 1 | 4  | 50 | 20      | 52 | 36 | 9  | 50 | 44      | 0  | 13 | 99 | 27 | 19      | 53 | 25 | 28 | 40 | 45 | 0  | 13 | 44 | 26 | 35 | 20 | 32 | 52 | 30 |    |   |
| 14      | 0 | 1 | 9  | 49 | 36      | 19 | 43 | 33 | 40 | 45      | 0  | 14 | 44 | 26 | 35      | 20 | 32 | 52 | 30 | 46 | 0  | 14 | 49 | 25 | 50 | 47 | 40 | 16 | 20 |    |   |
| 15      | 0 | 1 | 14 | 48 | 51      | 46 | 50 | 57 | 30 | 46      | 0  | 15 | 49 | 25 | 50      | 47 | 40 | 16 | 20 | 47 | 0  | 15 | 54 | 25 | 6  | 14 | 47 | 40 | 10 |    |   |
| 16      | 0 | 1 | 19 | 48 | 7       | 13 | 58 | 21 | 20 | 47      | 0  | 16 | 54 | 25 | 6       | 14 | 47 | 40 | 10 | 48 | 0  | 16 | 59 | 24 | 21 | 41 | 55 | 4  | 0  |    |   |
| 17      | 0 | 1 | 24 | 47 | 12      | 41 | 5  | 45 | 10 | 48      | 0  | 17 | 59 | 24 | 21      | 41 | 55 | 4  | 0  | 49 | 0  | 17 | 64 | 23 | 37 | 9  | 1  | 27 | 50 |    |   |
| 18      | 0 | 1 | 29 | 46 | 38      | 8  | 13 | 9  | 0  | 49      | 0  | 18 | 64 | 23 | 37      | 9  | 1  | 27 | 50 | 50 | 0  | 18 | 69 | 22 | 52 | 36 | 9  | 51 | 40 |    |   |
| 19      | 0 | 1 | 34 | 45 | 53      | 35 | 20 |    |    |         |    | 19 | 69 | 22 | 52      | 36 | 9  | 51 | 40 | 51 | 0  | 19 | 74 | 22 | 5  | 1  | 37 | 15 | 30 |    |   |
| 20      | 0 | 1 | 39 | 45 | 9       | 2  | 27 | 56 | 40 |         |    | 20 | 74 | 22 | 5       | 1  | 37 | 15 | 30 | 52 | 0  | 20 | 79 | 21 | 23 | 30 | 24 | 39 | 20 |    |   |
| 21      | 0 | 1 | 44 | 44 | 24      | 19 | 35 | 20 | 39 |         |    | 21 | 79 | 21 | 23      | 30 | 24 | 39 | 20 | 53 | 0  | 21 | 84 | 20 | 38 | 57 | 32 | 3  | 10 |    |   |
| 22      | 0 | 1 | 49 | 43 | 39      | 56 | 42 | 44 | 20 |         |    | 22 | 84 | 20 | 38      | 57 | 32 | 3  | 10 | 54 | 0  | 22 | 89 | 19 | 54 | 14 | 39 | 17 | 0  |    |   |
| 23      | 0 | 1 | 54 | 42 | 55      | 23 | 50 | 8  | 10 |         |    | 23 | 89 | 19 | 54      | 14 | 39 | 17 | 0  | 55 | 0  | 23 | 94 | 19 | 5  | 51 | 46 | 50 | 50 |    |   |
| 24      | 0 | 1 | 59 | 42 | 10      | 53 | 57 | 32 | 0  |         |    | 24 | 94 | 19 | 5       | 51 | 46 | 50 | 50 | 56 | 0  | 24 | 99 | 18 | 25 | 18 | 54 | 14 | 40 |    |   |
| 25      | 0 | 1 | 4  | 41 | 16      | 18 | 4  | 55 | 50 |         |    | 25 | 99 | 18 | 25      | 18 | 54 | 14 | 40 | 57 | 0  | 25 | 4  | 44 | 17 | 40 | 46 | 1  | 38 | 30 |   |
| 26      | 0 | 1 | 9  | 40 | 41      | 45 | 12 | 19 | 40 |         |    | 26 | 4  | 44 | 17      | 40 | 46 | 1  | 38 | 58 | 0  | 26 | 9  | 49 | 16 | 56 | 13 | 9  | 1  | 20 |   |
| 27      | 0 | 1 | 14 | 39 | 57      | 12 | 19 | 43 | 30 |         |    | 27 | 9  | 49 | 16      | 56 | 13 | 9  | 1  | 59 | 0  | 27 | 14 | 44 | 16 | 11 | 40 | 16 | 26 | 10 |   |
| 28      | 0 | 1 | 19 | 39 | 11      | 39 | 27 | 7  | 10 |         |    | 28 | 14 | 44 | 16      | 11 | 40 | 16 | 26 | 60 | 0  | 28 | 19 | 43 | 15 | 27 | 7  | 23 | 50 | 0  |   |
| 29      | 0 | 1 | 24 | 38 | 28      | 6  | 34 | 31 | 10 |         |    | 29 | 19 | 43 | 15      | 27 | 7  | 23 | 50 | 61 | 0  | 29 | 24 | 43 | 14 | 27 | 7  | 23 | 50 | 0  |   |
| 30      | 0 | 1 | 29 | 37 | 43      | 33 | 41 | 55 | 0  |         |    | 30 | 24 | 43 | 14      | 27 | 7  | 23 | 50 | 62 | 0  | 30 | 29 | 43 | 14 | 27 | 7  | 23 | 50 | 0  |   |
| 31      | 0 | 1 | 34 | 36 | 59      | 0  | 49 | 18 | 50 |         |    | 31 | 29 | 43 | 14      | 27 | 7  | 23 | 50 | 63 | 0  | 31 | 34 | 36 | 59 | 0  | 49 | 18 | 50 | 0  |   |
| 32      | 0 | 1 | 39 | 36 | 14      | 27 | 56 | 42 | 40 |         |    | 32 | 34 | 36 | 59      | 0  | 49 | 18 | 50 | 64 | 0  | 32 | 39 | 36 | 14 | 27 | 56 | 42 | 40 | 0  |   |
| 33      | 0 | 1 | 44 | 35 | 29      | 55 | 4  | 6  | 30 |         |    | 33 | 39 | 36 | 14      | 27 | 56 | 42 | 40 | 65 | 0  | 33 | 44 | 35 | 29 | 55 | 4  | 6  | 30 | 0  |   |
| 34      | 0 | 1 | 49 | 34 | 45      | 22 | 11 | 30 | 10 |         |    | 34 | 44 | 35 | 29      | 55 | 4  | 6  | 30 | 66 | 0  | 34 | 49 | 34 | 45 | 22 | 11 | 30 | 10 | 0  |   |
| 35      | 0 | 1 | 54 | 34 | 0       | 49 | 18 | 54 | 10 |         |    | 35 | 49 | 34 | 0       | 49 | 18 | 54 | 10 | 67 | 0  | 35 | 54 | 34 | 0  | 49 | 18 | 54 | 10 | 0  |   |
| 36      | 0 | 1 | 59 | 33 | 16      | 16 | 26 | 18 | 0  |         |    | 36 | 54 | 34 | 0       | 49 | 18 | 54 | 10 | 68 | 0  | 36 | 59 | 33 | 16 | 16 | 26 | 18 | 0  | 0  |   |
| 37      | 0 | 1 | 64 | 31 | 31      | 43 | 33 | 41 | 50 |         |    | 37 | 59 | 33 | 16      | 16 | 26 | 18 | 0  | 69 | 0  | 37 | 64 | 31 | 31 | 43 | 33 | 41 | 50 | 0  |   |
| 38      | 0 | 1 | 69 | 31 | 47      | 10 | 41 | 5  | 40 |         |    | 38 | 64 | 31 | 47      | 10 | 41 | 5  | 40 | 70 | 0  | 38 | 69 | 31 | 47 | 10 | 41 | 5  | 40 | 0  |   |
| 39      | 0 | 1 | 74 | 31 | 1       | 37 | 48 | 29 | 30 |         |    | 39 | 69 | 31 | 1       | 37 | 48 | 29 | 30 | 71 | 0  | 39 | 74 | 31 | 1  | 37 | 48 | 29 | 30 | 0  |   |
| 40      | 0 | 1 | 79 | 30 | 18      | 4  | 55 | 53 | 10 |         |    | 40 | 74 | 30 | 18      | 4  | 55 | 53 | 10 | 72 | 0  | 40 | 79 | 30 | 18 | 4  | 55 | 53 | 10 | 0  |   |
| 41      | 0 | 1 | 84 | 29 | 33      | 32 | 1  | 17 | 10 |         |    | 41 | 79 | 30 | 18      | 4  | 55 | 53 | 10 | 73 | 0  | 41 | 84 | 29 | 33 | 32 | 1  | 17 | 10 | 0  |   |
| 42      | 0 | 1 | 89 | 28 | 48      | 59 | 10 | 41 | 0  |         |    | 42 | 84 | 29 | 33      | 32 | 1  | 17 | 10 | 74 | 0  | 42 | 89 | 28 | 48 | 59 | 10 | 41 | 0  | 0  |   |
| 43      | 0 | 1 | 94 | 28 | 4       | 26 | 18 | 4  | 50 |         |    | 43 | 89 | 28 | 4       | 26 | 18 | 4  | 50 | 75 | 0  | 43 | 94 | 28 | 4  | 26 | 18 | 4  | 50 | 0  |   |
| 44      | 0 | 1 | 99 | 27 | 19      | 53 | 25 | 28 | 40 |         |    | 44 | 94 | 28 | 4       | 26 | 18 | 4  | 50 | 76 | 0  | 44 | 99 | 27 | 19 | 53 | 25 | 28 | 40 | 0  |   |
| 45      | 0 | 1 | 4  | 4  | 23      | 37 | 9  | 1  | 27 | 50      |    | 45 | 99 | 27 | 19      | 53 | 25 | 28 | 40 | 77 | 0  | 45 | 4  | 4  | 23 | 37 | 9  | 1  | 27 | 50 | 0 |
| 46      | 0 | 1 | 9  | 4  | 22      | 52 | 36 | 9  | 51 | 40      |    | 46 | 4  | 4  | 23      | 37 | 9  | 51 | 40 | 78 | 0  | 46 | 9  | 4  | 22 | 52 | 36 | 9  | 51 | 40 | 0 |
| 47      | 0 | 1 | 14 | 4  | 21      | 51 | 40 | 16 | 20 |         |    | 47 | 9  | 4  | 22      | 52 | 36 | 9  | 51 | 40 | 79 | 0  | 47 | 14 | 4  | 21 | 51 | 40 | 16 | 20 | 0 |
| 48      | 0 | 1 | 19 | 4  | 20      | 50 | 40 | 16 | 20 |         |    | 48 | 14 | 4  | 21      | 51 | 40 | 16 | 20 | 80 | 0  | 48 | 19 | 4  | 20 | 50 | 40 | 16 | 20 | 0  | 0 |
| 49      | 0 | 1 | 24 | 4  | 19      | 49 | 40 | 16 | 20 |         |    | 49 | 19 | 4  | 20      | 50 | 40 | 16 | 20 | 81 | 0  | 49 | 24 | 4  | 19 | 49 | 40 | 16 | 20 | 0  | 0 |
| 50      | 0 | 1 | 29 | 4  | 18      | 48 | 40 | 16 | 20 |         |    | 50 | 24 | 4  | 19      | 49 | 40 | 16 | 20 | 82 | 0  | 50 | 29 | 4  | 18 | 48 | 40 | 16 | 20 | 0  | 0 |
| 51      | 0 | 1 | 34 | 4  | 17      | 47 | 40 | 16 | 20 |         |    | 51 | 29 | 4  | 18      | 48 | 40 | 16 | 20 | 83 | 0  | 51 | 34 | 4  | 17 | 47 | 40 | 16 | 20 | 0  | 0 |
| 52      | 0 | 1 | 39 | 4  | 16      | 46 | 40 | 16 | 20 |         |    | 52 | 34 | 4  | 17      | 47 | 40 | 16 | 20 | 84 | 0  | 52 | 39 | 4  | 16 | 46 | 40 | 16 | 20 | 0  | 0 |
| 53      | 0 | 1 | 44 | 4  | 15      | 45 | 40 | 16 | 20 |         |    | 53 | 39 | 4  | 16      | 46 | 40 | 16 | 20 | 85 | 0  | 53 | 44 | 4  | 15 | 45 | 40 | 16 | 20 | 0  | 0 |
| 54      | 0 | 1 | 49 | 4  | 14      | 44 | 40 | 16 | 20 |         |    | 54 | 44 | 4  | 15      | 45 | 40 | 16 | 20 | 86 | 0  | 54 | 49 | 4  | 14 | 44 | 40 | 16 | 20 | 0  | 0 |
| 55      | 0 | 1 | 54 | 4  | 13      | 43 | 40 | 16 | 20 |         |    | 55 | 49 | 4  | 14      | 44 | 40 | 16 | 20 | 87 | 0  | 55 | 54 | 4  | 13 | 43 | 40 | 16 | 20 | 0  | 0 |
| 56      | 0 | 1 | 59 | 4  | 12      | 42 | 40 | 16 | 20 |         |    | 56 | 54 | 4  | 13      | 43 | 40 | 16 | 20 | 88 | 0  | 56 | 59 | 4  | 12 | 42 | 40 | 16 | 20 | 0  | 0 |
| 57      | 0 | 1 | 64 | 4  | 11      | 41 | 40 | 16 | 20 |         |    | 57 | 59 | 4  | 12      | 42 | 40 | 16 | 20 | 89 | 0  | 57 | 64 | 4  | 11 | 41 | 40 | 16 | 20 | 0  | 0 |
| 58      | 0 | 1 | 69 | 4  | 10      | 40 | 40 | 16 | 20 |         |    | 58 | 64 | 4  | 11      | 41 | 40 | 16 | 20 | 90 | 0  | 58 | 69 | 4  | 10 | 40 | 40 | 16 | 20 | 0  | 0 |
| 59      | 0 | 1 | 74 | 4  |         |    |    |    |    |         |    |    |    |    |         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |

Tabula Equationu Jouis

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| Linee numeri |    | Equatio centri |     | Linea propria<br>nata longiori | Logitududo<br>lon | Equatio ar.<br>gunti |   | Logitududo<br>pro |    |
|--------------|----|----------------|-----|--------------------------------|-------------------|----------------------|---|-------------------|----|
| 5            |    | 5              | nne |                                |                   | 5                    | m | 5                 | m  |
| 5            | 5  | 5              | m   | n                              | 5                 | m                    | 5 | m                 |    |
| 1            | 59 | 0              | 6   | 60                             | 0                 | 0                    | 0 | 10                | 0  |
| 2            | 58 | 0              | 12  | 60                             | 0                 | 1                    | 0 | 20                | 0  |
| 3            | 57 | 0              | 18  | 60                             | 0                 | 1                    | 0 | 30                | 0  |
| 4            | 56 | 0              | 24  | 60                             | 0                 | 1                    | 1 | 40                | 0  |
| 5            | 55 | 0              | 30  | 60                             | 0                 | 2                    | 0 | 50                | 0  |
| 6            | 54 | 0              | 36  | 60                             | 0                 | 2                    | 0 | 58                | 0  |
| 7            | 53 | 0              | 42  | 60                             | 0                 | 2                    | 1 | 1                 | 8  |
| 8            | 52 | 0              | 48  | 60                             | 0                 | 3                    | 0 | 1                 | 18 |
| 9            | 51 | 0              | 53  | 60                             | 0                 | 3                    | 0 | 1                 | 28 |
| 10           | 50 | 0              | 59  | 60                             | 0                 | 3                    | 1 | 1                 | 37 |
| 11           | 49 | 1              | 5   | 60                             | 0                 | 4                    | 0 | 1                 | 47 |
| 12           | 48 | 1              | 11  | 60                             | 0                 | 4                    | 0 | 1                 | 57 |
| 13           | 47 | 1              | 17  | 59                             | 0                 | 4                    | 1 | 2                 | 6  |
| 14           | 46 | 1              | 23  | 59                             | 0                 | 5                    | 0 | 2                 | 15 |
| 15           | 45 | 1              | 28  | 59                             | 0                 | 5                    | 0 | 2                 | 24 |
| 16           | 44 | 1              | 34  | 59                             | 0                 | 5                    | 1 | 2                 | 34 |
| 17           | 43 | 1              | 40  | 58                             | 0                 | 6                    | 0 | 2                 | 43 |
| 18           | 42 | 1              | 45  | 58                             | 0                 | 6                    | 0 | 2                 | 52 |
| 19           | 41 | 1              | 51  | 58                             | 1                 | 6                    | 0 | 3                 | 1  |
| 20           | 40 | 1              | 57  | 57                             | 0                 | 7                    | 0 | 3                 | 11 |
| 21           | 39 | 2              | 1   | 57                             | 0                 | 7                    | 0 | 3                 | 20 |
| 22           | 38 | 2              | 8   | 57                             | 1                 | 7                    | 1 | 3                 | 30 |
| 23           | 37 | 2              | 13  | 56                             | 0                 | 8                    | 0 | 3                 | 39 |
| 24           | 36 | 2              | 18  | 56                             | 1                 | 8                    | 0 | 3                 | 48 |
| 25           | 35 | 2              | 24  | 55                             | 0                 | 8                    | 1 | 3                 | 57 |
| 26           | 34 | 2              | 30  | 55                             | 1                 | 9                    | 0 | 4                 | 6  |
| 27           | 33 | 2              | 35  | 54                             | 0                 | 9                    | 0 | 4                 | 15 |
| 28           | 32 | 2              | 41  | 54                             | 1                 | 9                    | 1 | 4                 | 24 |
| 29           | 31 | 2              | 46  | 53                             | 0                 | 10                   | 0 | 4                 | 33 |
| 30           | 30 | 2              | 51  | 53                             | 1                 | 10                   | 0 | 4                 | 42 |
| 5            |    | adde           |     |                                |                   |                      |   |                   |    |
| 5            |    |                |     |                                |                   |                      |   |                   |    |

nue

**Tabula Equationū Jouis**

L

| Linee nu<br>merico<br>munes | Equa<br>tio<br>cētri | Linea<br>longitudo | Logi<br>tudo | Equa<br>tio ar<br>gumēti | Logi<br>tudo |
|-----------------------------|----------------------|--------------------|--------------|--------------------------|--------------|
| o                           | nne                  | o                  | lon          | gumēti                   | pro          |
| o                           | o                    | o                  | gto          | Adde                     | pro          |
| o                           | o                    | o                  | o            | o                        | o            |
| o                           | o                    | o                  | o            | o                        | o            |
| 31                          | 29                   | 1 56               | 52           | 1 0 10                   | 4 51         |
| 32                          | 28                   | 3 1                | 51           | 1 0 11                   | 5 0          |
| 33                          | 27                   | 3 6                | 51           | 1 0 11                   | 5 8          |
| 34                          | 26                   | 3 11               | 50           | 1 0 11                   | 5 17         |
| 35                          | 25                   | 3 17               | 50           | 1 0 12                   | 5 26         |
| 36                          | 24                   | 3 21               | 49           | 1 0 12                   | 5 34         |
| 37                          | 23                   | 3 16               | 49           | 1 0 12                   | 5 43         |
| 38                          | 22                   | 3 31               | 48           | 1 0 13                   | 5 52         |
| 39                          | 21                   | 3 36               | 47           | 1 0 13                   | 6 0          |
| 40                          | 20                   | 3 41               | 47           | 1 0 13                   | 6 9          |
| 41                          | 19                   | 3 45               | 46           | 1 0 14                   | 6 17         |
| 42                          | 18                   | 3 49               | 46           | 1 0 14                   | 6 25         |
| 43                          | 17                   | 3 54               | 45           | 1 0 14                   | 6 33         |
| 44                          | 16                   | 3 59               | 44           | 1 0 15                   | 6 41         |
| 45                          | 15                   | 4 3                | 43           | 1 0 15                   | 6 49         |
| 46                          | 14                   | 4 8                | 43           | 1 0 15                   | 6 57         |
| 47                          | 13                   | 4 12               | 42           | 1 0 16                   | 7 5          |
| 48                          | 12                   | 4 16               | 41           | 1 0 16                   | 7 12         |
| 49                          | 11                   | 4 20               | 40           | 1 0 16                   | 7 20         |
| 50                          | 10                   | 4 24               | 39           | 1 0 17                   | 7 28         |
| 51                          | 9                    | 4 28               | 38           | 1 0 17                   | 7 35         |
| 52                          | 8                    | 4 32               | 37           | 1 0 17                   | 7 43         |
| 53                          | 7                    | 4 36               | 36           | 1 0 18                   | 7 50         |
| 54                          | 6                    | 4 39               | 35           | 1 0 18                   | 7 57         |
| 55                          | 5                    | 4 43               | 34           | 1 0 18                   | 8 4          |
| 56                          | 4                    | 4 47               | 33           | 1 0 19                   | 8 11         |
| 57                          | 3                    | 4 50               | 33           | 1 0 19                   | 8 17         |
| 58                          | 2                    | 4 54               | 32           | 1 0 19                   | 8 24         |
| 59                          | 1                    | 4 58               | 31           | 1 0 20                   | 8 31         |
| 60                          | 0                    | 5 1                | 30           | 1 0 20                   | 8 37         |
| Addē                        |                      | o                  | o            | o                        | o            |
| o                           |                      | o                  | o            | o                        | o            |



# Tabula Equationum

II

| Linee numericoe |    |   | Equatio |   | Logitudo |   | Equatio  |    | Logitudo |   |
|-----------------|----|---|---------|---|----------|---|----------|----|----------|---|
| munes           |    |   | pctri   |   | lon      |   | ar gumti |    | pro      |   |
| s               |    |   | m d l   |   | g m m    |   | d d e    |    | p i o r  |   |
| I               |    |   | nue     |   | g m m    |   | g m m    |    | g m m    |   |
| 1               | 59 | 5 | 5       | 4 | 19       | 0 | 8        | 44 | 7        | 0 |
| 2               | 58 | 5 | 9       | 4 | 18       | 1 | 8        | 50 | 6        | 0 |
| 3               | 57 | 5 | 11      | 3 | 17       | 1 | 8        | 56 | 6        | 0 |
| 4               | 56 | 5 | 15      | 3 | 16       | 1 | 9        | 1  | 6        | 0 |
| 5               | 55 | 5 | 18      | 3 | 15       | 1 | 9        | 8  | 6        | 0 |
| 6               | 54 | 5 | 20      | 2 | 14       | 1 | 9        | 14 | 6        | 0 |
| 7               | 53 | 5 | 23      | 3 | 13       | 2 | 9        | 20 | 6        | 0 |
| 8               | 52 | 5 | 26      | 2 | 12       | 1 | 9        | 26 | 5        | 0 |
| 9               | 51 | 5 | 28      | 3 | 10       | 1 | 9        | 31 | 5        | 0 |
| 10              | 50 | 5 | 31      | 2 | 19       | 1 | 9        | 36 | 5        | 0 |
| 11              | 49 | 5 | 33      | 2 | 18       | 1 | 9        | 41 | 5        | 0 |
| 12              | 48 | 5 | 35      | 2 | 17       | 1 | 9        | 46 | 5        | 0 |
| 13              | 47 | 5 | 37      | 2 | 16       | 1 | 9        | 51 | 5        | 0 |
| 14              | 46 | 5 | 39      | 2 | 15       | 1 | 9        | 56 | 4        | 0 |
| 15              | 45 | 5 | 41      | 2 | 14       | 1 | 10       | 0  | 5        | 0 |
| 16              | 44 | 5 | 43      | 2 | 13       | 1 | 10       | 5  | 4        | 0 |
| 17              | 43 | 5 | 45      | 1 | 12       | 1 | 10       | 9  | 4        | 0 |
| 18              | 42 | 5 | 46      | 2 | 11       | 1 | 10       | 13 | 4        | 0 |
| 19              | 41 | 5 | 48      | 1 | 10       | 1 | 10       | 17 | 4        | 0 |
| 20              | 40 | 5 | 49      | 1 | 9        | 1 | 10       | 21 | 4        | 0 |
| 21              | 39 | 5 | 50      | 1 | 8        | 1 | 10       | 25 | 4        | 0 |
| 22              | 38 | 5 | 51      | 1 | 7        | 1 | 10       | 29 | 3        | 0 |
| 23              | 37 | 5 | 52      | 1 | 6        | 1 | 10       | 32 | 3        | 0 |
| 24              | 36 | 5 | 53      | 1 | 5        | 1 | 10       | 35 | 3        | 0 |
| 25              | 35 | 5 | 54      | 1 | 4        | 1 | 10       | 38 | 3        | 0 |
| 26              | 34 | 5 | 55      | 0 | 3        | 1 | 10       | 41 | 3        | 0 |
| 27              | 33 | 5 | 55      | 1 | 2        | 1 | 10       | 44 | 3        | 0 |
| 28              | 32 | 5 | 56      | 0 | 1        | 1 | 10       | 47 | 2        | 0 |
| 29              | 31 | 5 | 56      | 1 | 0        | 1 | 10       | 49 | 1        | 0 |
| 30              | 30 | 5 | 57      | 0 | 2        | 1 | 10       | 51 | 1        | 0 |
| 4               |    |   | Adde    |   | m        |   | m        |    | m        |   |
| 8               |    |   |         |   | m        |   | nue      |    |          |   |

*IL*

| Linea nu<br>meri co<br>munes | Equa<br>tio<br>centi | Logi<br>tudo | Equa<br>tio ar.<br>quanti. | Logi<br>tudo |
|------------------------------|----------------------|--------------|----------------------------|--------------|
| 5                            | adi                  | lon          | quanti.                    | pro          |
| 1                            | nue                  | gio          | adde                       | pior         |
| 5                            | 5                    | 5            | 5                          | 5            |
| 31                           | 29                   | 557          | 0                          | 3            |
| 32                           | 28                   | 557          | 0                          | 4            |
| 33                           | 27                   | 557          | 0                          | 5            |
| 34                           | 26                   | 557          | 0                          | 6            |
| 35                           | 25                   | 557          | 0                          | 7            |
| 36                           | 24                   | 557          | 0                          | 8            |
| 37                           | 23                   | 556          | 0                          | 9            |
| 38                           | 22                   | 556          | 0                          | 10           |
| 39                           | 21                   | 555          | 0                          | 11           |
| 40                           | 20                   | 555          | 0                          | 12           |
| 41                           | 19                   | 554          | 0                          | 13           |
| 42                           | 18                   | 553          | 0                          | 14           |
| 43                           | 17                   | 552          | 0                          | 15           |
| 44                           | 16                   | 551          | 0                          | 16           |
| 45                           | 15                   | 549          | 0                          | 17           |
| 46                           | 14                   | 548          | 0                          | 18           |
| 47                           | 13                   | 546          | 0                          | 19           |
| 48                           | 12                   | 544          | 0                          | 20           |
| 49                           | 11                   | 543          | 0                          | 21           |
| 50                           | 10                   | 541          | 0                          | 22           |
| 51                           | 9                    | 539          | 0                          | 23           |
| 52                           | 8                    | 537          | 0                          | 24           |
| 53                           | 7                    | 535          | 0                          | 25           |
| 54                           | 6                    | 533          | 0                          | 26           |
| 55                           | 5                    | 531          | 0                          | 27           |
| 56                           | 4                    | 529          | 0                          | 28           |
| 57                           | 3                    | 527          | 0                          | 29           |
| 58                           | 2                    | 525          | 0                          | 30           |
| 59                           | 1                    | 522          | 0                          | 31           |
| 60                           | 0                    | 519          | 0                          | 32           |

## 75

| Linea nu.<br>meri cō<br>munes | Equa<br>tio<br>cētri | Adiuta<br>proportio<br>nalia | Logi<br>tudo | Equa<br>tio ar.<br>gumēti | Logi<br>tudo |
|-------------------------------|----------------------|------------------------------|--------------|---------------------------|--------------|
| g                             | m                    | m                            | g            | m                         | m            |
| 1                             | 59                   | 5 16                         | 31           | 0 19                      | 10 19        |
| 2                             | 58                   | 5 13                         | 32           | 0 19                      | 10 15        |
| 3                             | 57                   | 5 10                         | 33           | 0 19                      | 10 10        |
| 4                             | 56                   | 5 6                          | 34           | 0 19                      | 10 5         |
| 5                             | 55                   | 5 3                          | 35           | 0 19                      | 10 0         |
| 6                             | 54                   | 4 59                         | 36           | 0 19                      | 9 54         |
| 7                             | 53                   | 4 55                         | 37           | 0 18                      | 9 48         |
| 8                             | 52                   | 4 51                         | 38           | 0 18                      | 9 42         |
| 9                             | 51                   | 4 47                         | 39           | 0 18                      | 9 36         |
| 10                            | 50                   | 4 43                         | 40           | 0 18                      | 9 30         |
| 11                            | 49                   | 4 39                         | 41           | 0 18                      | 9 24         |
| 12                            | 48                   | 4 35                         | 42           | 0 17                      | 9 18         |
| 13                            | 47                   | 4 31                         | 43           | 0 17                      | 9 12         |
| 14                            | 46                   | 4 27                         | 44           | 0 16                      | 8 54         |
| 15                            | 45                   | 4 22                         | 45           | 0 16                      | 8 47         |
| 16                            | 44                   | 4 18                         | 46           | 0 16                      | 8 39         |
| 17                            | 43                   | 4 13                         | 47           | 0 15                      | 8 31         |
| 18                            | 42                   | 4 8                          | 48           | 0 15                      | 8 22         |
| 19                            | 41                   | 4 4                          | 49           | 0 14                      | 8 13         |
| 20                            | 40                   | 3 59                         | 50           | 0 14                      | 8 4          |
| 21                            | 39                   | 3 54                         | 51           | 0 13                      | 7 55         |
| 22                            | 38                   | 3 49                         | 52           | 0 13                      | 7 45         |
| 23                            | 37                   | 3 44                         | 53           | 0 12                      | 7 36         |
| 24                            | 36                   | 3 38                         | 54           | 0 12                      | 7 26         |
| 25                            | 35                   | 3 33                         | 55           | 0 11                      | 7 16         |
| 26                            | 34                   | 3 28                         | 56           | 0 11                      | 7 6          |
| 27                            | 33                   | 3 22                         | 57           | 0 11                      | 6 55         |
| 28                            | 32                   | 3 17                         | 58           | 0 11                      | 6 45         |
| 29                            | 31                   | 3 12                         | 59           | 0 11                      | 6 34         |
| 30                            | 30                   | 3 6                          | 60           | 0 11                      | 6 24         |

Tabula Equationū Jouis

4

| Linea nu-<br>merico/<br>munes | Equa-<br>tio<br>cetri | Logi-<br>tudo<br>lon | Equa-<br>tio ar-<br>gumti | Logi-<br>tudo<br>pro- |
|-------------------------------|-----------------------|----------------------|---------------------------|-----------------------|
| 5                             | 1                     | 1                    | 1                         | 1                     |
| 2                             | 1                     | 1                    | 1                         | 1                     |
| 3                             | 1                     | 1                    | 1                         | 1                     |
| 4                             | 1                     | 1                    | 1                         | 1                     |
| 5                             | 1                     | 1                    | 1                         | 1                     |
| 6                             | 1                     | 1                    | 1                         | 1                     |
| 7                             | 1                     | 1                    | 1                         | 1                     |
| 8                             | 1                     | 1                    | 1                         | 1                     |
| 9                             | 1                     | 1                    | 1                         | 1                     |
| 10                            | 1                     | 1                    | 1                         | 1                     |
| 11                            | 1                     | 1                    | 1                         | 1                     |
| 12                            | 1                     | 1                    | 1                         | 1                     |
| 13                            | 1                     | 1                    | 1                         | 1                     |
| 14                            | 1                     | 1                    | 1                         | 1                     |
| 15                            | 1                     | 1                    | 1                         | 1                     |
| 16                            | 1                     | 1                    | 1                         | 1                     |
| 17                            | 1                     | 1                    | 1                         | 1                     |
| 18                            | 1                     | 1                    | 1                         | 1                     |
| 19                            | 1                     | 1                    | 1                         | 1                     |
| 20                            | 1                     | 1                    | 1                         | 1                     |
| 21                            | 1                     | 1                    | 1                         | 1                     |
| 22                            | 1                     | 1                    | 1                         | 1                     |
| 23                            | 1                     | 1                    | 1                         | 1                     |
| 24                            | 1                     | 1                    | 1                         | 1                     |
| 25                            | 1                     | 1                    | 1                         | 1                     |
| 26                            | 1                     | 1                    | 1                         | 1                     |
| 27                            | 1                     | 1                    | 1                         | 1                     |
| 28                            | 1                     | 1                    | 1                         | 1                     |
| 29                            | 1                     | 1                    | 1                         | 1                     |
| 30                            | 1                     | 1                    | 1                         | 1                     |
| 31                            | 1                     | 1                    | 1                         | 1                     |
| 32                            | 1                     | 1                    | 1                         | 1                     |
| 33                            | 1                     | 1                    | 1                         | 1                     |
| 34                            | 1                     | 1                    | 1                         | 1                     |
| 35                            | 1                     | 1                    | 1                         | 1                     |
| 36                            | 1                     | 1                    | 1                         | 1                     |
| 37                            | 1                     | 1                    | 1                         | 1                     |
| 38                            | 1                     | 1                    | 1                         | 1                     |
| 39                            | 1                     | 1                    | 1                         | 1                     |
| 40                            | 1                     | 1                    | 1                         | 1                     |
| 41                            | 1                     | 1                    | 1                         | 1                     |
| 42                            | 1                     | 1                    | 1                         | 1                     |
| 43                            | 1                     | 1                    | 1                         | 1                     |
| 44                            | 1                     | 1                    | 1                         | 1                     |
| 45                            | 1                     | 1                    | 1                         | 1                     |
| 46                            | 1                     | 1                    | 1                         | 1                     |
| 47                            | 1                     | 1                    | 1                         | 1                     |
| 48                            | 1                     | 1                    | 1                         | 1                     |
| 49                            | 1                     | 1                    | 1                         | 1                     |
| 50                            | 1                     | 1                    | 1                         | 1                     |
| 51                            | 1                     | 1                    | 1                         | 1                     |
| 52                            | 1                     | 1                    | 1                         | 1                     |
| 53                            | 1                     | 1                    | 1                         | 1                     |
| 54                            | 1                     | 1                    | 1                         | 1                     |
| 55                            | 1                     | 1                    | 1                         | 1                     |
| 56                            | 1                     | 1                    | 1                         | 1                     |
| 57                            | 1                     | 1                    | 1                         | 1                     |
| 58                            | 1                     | 1                    | 1                         | 1                     |
| 59                            | 1                     | 1                    | 1                         | 1                     |
| 60                            | 1                     | 1                    | 1                         | 1                     |
| 61                            | 1                     | 1                    | 1                         | 1                     |
| 62                            | 1                     | 1                    | 1                         | 1                     |
| 63                            | 1                     | 1                    | 1                         | 1                     |
| 64                            | 1                     | 1                    | 1                         | 1                     |
| 65                            | 1                     | 1                    | 1                         | 1                     |
| 66                            | 1                     | 1                    | 1                         | 1                     |
| 67                            | 1                     | 1                    | 1                         | 1                     |
| 68                            | 1                     | 1                    | 1                         | 1                     |
| 69                            | 1                     | 1                    | 1                         | 1                     |
| 70                            | 1                     | 1                    | 1                         | 1                     |
| 71                            | 1                     | 1                    | 1                         | 1                     |
| 72                            | 1                     | 1                    | 1                         | 1                     |
| 73                            | 1                     | 1                    | 1                         | 1                     |
| 74                            | 1                     | 1                    | 1                         | 1                     |
| 75                            | 1                     | 1                    | 1                         | 1                     |
| 76                            | 1                     | 1                    | 1                         | 1                     |
| 77                            | 1                     | 1                    | 1                         | 1                     |
| 78                            | 1                     | 1                    | 1                         | 1                     |
| 79                            | 1                     | 1                    | 1                         | 1                     |
| 80                            | 1                     | 1                    | 1                         | 1                     |
| 81                            | 1                     | 1                    | 1                         | 1                     |
| 82                            | 1                     | 1                    | 1                         | 1                     |
| 83                            | 1                     | 1                    | 1                         | 1                     |
| 84                            | 1                     | 1                    | 1                         | 1                     |
| 85                            | 1                     | 1                    | 1                         | 1                     |
| 86                            | 1                     | 1                    | 1                         | 1                     |
| 87                            | 1                     | 1                    | 1                         | 1                     |
| 88                            | 1                     | 1                    | 1                         | 1                     |
| 89                            | 1                     | 1                    | 1                         | 1                     |
| 90                            | 1                     | 1                    | 1                         | 1                     |
| 91                            | 1                     | 1                    | 1                         | 1                     |
| 92                            | 1                     | 1                    | 1                         | 1                     |
| 93                            | 1                     | 1                    | 1                         | 1                     |
| 94                            | 1                     | 1                    | 1                         | 1                     |
| 95                            | 1                     | 1                    | 1                         | 1                     |
| 96                            | 1                     | 1                    | 1                         | 1                     |
| 97                            | 1                     | 1                    | 1                         | 1                     |
| 98                            | 1                     | 1                    | 1                         | 1                     |
| 99                            | 1                     | 1                    | 1                         | 1                     |
| 100                           | 1                     | 1                    | 1                         | 1                     |

| Tabula visio,<br>nū & occulta,<br>tionū iouis. | Tabellarū<br>iouis hāp,<br>positarū li.<br>nec nūeri<br>cōmu<br>nes | Tabella<br>la sta,<br>tio,<br>nis<br>prime<br>ꝥ | Tabella di<br>uersi motus<br>in vno die ꝥ<br>ad orientem<br>pūctū<br>ad orientem<br>portio<br>nis | Tabella latitudi<br>nis ꝥ diminutio<br>nē 10 g. a cuslide<br>Estre<br>gion<br>sept<br>Estre<br>gion<br>mer<br>m. ppor<br>tio<br>nalia |
|------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Visio ꝥ                                        | ē ē m                                                               | ē ē m                                           | m ē m ē                                                                                           | ē m ē m ē                                                                                                                             |
| Ortus<br>matutin <sup>o</sup>                  | 0 6 5 54                                                            | 2 4 5                                           | 4 32 8 50                                                                                         | 1 7 1 5 59 36                                                                                                                         |
| ē ē m                                          | 0 12 5 48                                                           | 2 4 6                                           | 4 34 8 42                                                                                         | 1 8 1 6 58 36                                                                                                                         |
| γ 19 33                                        | 0 18 5 42                                                           | 2 4 6                                           | 4 35 8 30                                                                                         | 1 8 1 6 57 0                                                                                                                          |
| δ 18 21                                        | 0 24 5 36                                                           | 2 4 7                                           | 4 36 8 18                                                                                         | 1 9 1 7 54 36                                                                                                                         |
| ι 14 15                                        | 0 30 5 30                                                           | 2 4 8                                           | 4 38 8 7                                                                                          | 1 10 1 8 52 0                                                                                                                         |
| ϑ 11 41                                        | 0 36 5 24                                                           | 2 4 9                                           | 4 39 7 50                                                                                         | 1 11 1 9 48 24                                                                                                                        |
| λ 9 44                                         | 0 42 5 18                                                           | 2 4 10                                          | 4 41 7 34                                                                                         | 1 12 1 10 44 24                                                                                                                       |
| μ 9 7                                          | 0 48 5 12                                                           | 2 4 11                                          | 4 43 7 24                                                                                         | 1 13 1 11 40 0                                                                                                                        |
| ν 9 0                                          | 0 54 5 6                                                            | 2 4 13                                          | 4 44 6 50                                                                                         | 1 14 1 13 35 12                                                                                                                       |
| ξ 9 7                                          | 1 0 5 0                                                             | 2 4 16                                          | 4 46 6 27                                                                                         | 1 16 1 16 30 0                                                                                                                        |
| π 9 44                                         | 1 6 4 54                                                            | 2 5 18                                          | 4 48 5 45                                                                                         | 1 18 1 18 24 24                                                                                                                       |
| ο 11 44                                        | 1 12 4 48                                                           | 2 5 21                                          | 4 50 5 5                                                                                          | 1 21 1 21 18 24                                                                                                                       |
| φ 14 14                                        | 1 18 4 42                                                           | 2 5 24                                          | 4 53 4 45                                                                                         | 1 24 1 24 12 24                                                                                                                       |
| χ 18 11                                        | 1 24 4 36                                                           | 2 5 28                                          | 4 55 3 34                                                                                         | 1 27 1 27 6 24                                                                                                                        |
| Occultatio ei <sup>o</sup>                     | 1 30 4 30                                                           | 2 5 30                                          | 4 58 2 22                                                                                         | 1 30 1 30 0 0                                                                                                                         |
| Occasus                                        | 1 36 4 24                                                           | 2 5 33                                          | 5 0 1 10                                                                                          | 1 33 1 33 6 24                                                                                                                        |
| vesperin <sup>o</sup>                          | 1 42 4 18                                                           | 2 5 36                                          | 5 3 Retrosi.                                                                                      | 1 36 1 36 12 24                                                                                                                       |
| ē ē m                                          | 1 48 4 12                                                           | 2 6 39                                          | 5 6 1 15                                                                                          | 1 39 1 39 18 24                                                                                                                       |
| γ 9 28                                         | 1 54 4 6                                                            | 2 6 42                                          | 5 10 2 30                                                                                         | 1 42 1 42 24 24                                                                                                                       |
| δ 9 38                                         | 2 0 4 0                                                             | 2 6 45                                          | 5 13 3 45                                                                                         | 1 45 1 45 30 20                                                                                                                       |
| ι 10 16                                        | 2 6 3 54                                                            | 2 6 48                                          | 5 16 5 0                                                                                          | 1 48 1 48 35 12                                                                                                                       |
| ϑ 11 44                                        | 2 12 3 48                                                           | 2 6 51                                          | 5 19 6 15                                                                                         | 1 51 1 51 40 20                                                                                                                       |
| λ 13 32                                        | 2 18 3 42                                                           | 2 6 55                                          | 5 21 7 25                                                                                         | 1 54 1 54 44 24                                                                                                                       |
| μ 15 33                                        | 2 24 3 36                                                           | 2 6 57                                          | 5 23 8 32                                                                                         | 1 57 1 57 48 24                                                                                                                       |
| ν 16 7                                         | 2 30 3 30                                                           | 2 6 0                                           | 5 25 9 40                                                                                         | 2 0 2 0 52 0                                                                                                                          |
| ξ 15 23                                        | 2 36 3 24                                                           | 2 7 3                                           | 5 27 10 40                                                                                        | 2 3 2 3 54 36                                                                                                                         |
| π 13 32                                        | 2 42 3 18                                                           | 2 7 5                                           | 5 28 11 35                                                                                        | 2 5 2 5 56 0                                                                                                                          |
| ο 11 44                                        | 2 48 3 12                                                           | 2 7 6                                           | 5 29 12 35                                                                                        | 2 6 2 6 58 36                                                                                                                         |
| φ 10 16                                        | 2 54 3 6                                                            | 2 7 7                                           | 5 30 12 50                                                                                        | 2 7 2 7 59 36                                                                                                                         |
| χ 9 38                                         | 3 0 3 0                                                             | 2 7 8                                           | 5 30 13 0                                                                                         | 2 8 2 8 60 0                                                                                                                          |

Tabula ad Sedij ad Otus Saturni.

7

|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |     |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|-----|
| 4  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77  | 78  | 79  | 80  | 81  | 82  | 83  | 84  | 85  | 86  | 87  | 88  | 89  | 90  | 91  | 92  | 93  | 94  | 95  | 96 | 97 | 98 | 99 | 100 |
| 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82  | 83  | 84  | 85  | 86  | 87  | 88  | 89  | 90  | 91  | 92  | 93  | 94  | 95  | 96  | 97  | 98  | 99  | 100 |    |    |    |    |     |
| 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83  | 84  | 85  | 86  | 87  | 88  | 89  | 90  | 91  | 92  | 93  | 94  | 95  | 96  | 97  | 98  | 99  | 100 |     |    |    |    |    |     |
| 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84  | 85  | 86  | 87  | 88  | 89  | 90  | 91  | 92  | 93  | 94  | 95  | 96  | 97  | 98  | 99  | 100 |     |     |    |    |    |    |     |
| 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85  | 86  | 87  | 88  | 89  | 90  | 91  | 92  | 93  | 94  | 95  | 96  | 97  | 98  | 99  | 100 |     |     |     |    |    |    |    |     |
| 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86  | 87  | 88  | 89  | 90  | 91  | 92  | 93  | 94  | 95  | 96  | 97  | 98  | 99  | 100 |     |     |     |     |    |    |    |    |     |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87  | 88  | 89  | 90  | 91  | 92  | 93  | 94  | 95  | 96  | 97  | 98  | 99  | 100 |     |     |     |     |     |    |    |    |    |     |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88  | 89  | 90  | 91  | 92  | 93  | 94  | 95  | 96  | 97  | 98  | 99  | 100 |     |     |     |     |     |     |    |    |    |    |     |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89  | 90  | 91  | 92  | 93  | 94  | 95  | 96  | 97  | 98  | 99  | 100 |     |     |     |     |     |     |     |    |    |    |    |     |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90  | 91  | 92  | 93  | 94  | 95  | 96  | 97  | 98  | 99  | 100 |     |     |     |     |     |     |     |     |    |    |    |    |     |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91  | 92  | 93  | 94  | 95  | 96  | 97  | 98  | 99  | 100 |     |     |     |     |     |     |     |     |     |    |    |    |    |     |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92  | 93  | 94  | 95  | 96  | 97  | 98  | 99  | 100 |     |     |     |     |     |     |     |     |     |     |    |    |    |    |     |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93  | 94  | 95  | 96  | 97  | 98  | 99  | 100 |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |     |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94  | 95  | 96  | 97  | 98  | 99  | 100 |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |     |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95  | 96  | 97  | 98  | 99  | 100 |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |     |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96  | 97  | 98  | 99  | 100 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |     |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97  | 98  | 99  | 100 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |     |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98  | 99  | 100 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |     |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99  | 100 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |     |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |     |
| 24 | 25 | 26 | 27 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |     |

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| Cinec nu<br>meri cō/<br>munes |    |      |   | Equa<br>tio cētri |   | Ratiō<br>propositi<br>onis | Rōgi<br>tudo lon<br>gior |   |  | Equa<br>tio argumēti |   |      | Rōgi<br>tudo pro<br>pior |   |  |
|-------------------------------|----|------|---|-------------------|---|----------------------------|--------------------------|---|--|----------------------|---|------|--------------------------|---|--|
| s                             |    |      |   | m d               |   |                            | m d                      |   |  | m d                  |   |      | m d                      |   |  |
| I                             |    |      |   | nue               |   |                            | m                        |   |  | m                    |   |      | m                        |   |  |
| s                             |    |      |   | ā m m             |   |                            | m                        |   |  | s m m                |   |      | s m m                    |   |  |
| 31                            | 29 | 6 31 | 0 | 4                 | I |                            | 0 19                     | I |  | 6 12                 | I | 0 13 | 0                        | 0 |  |
| 32                            | 28 | 6 31 | 0 | 5                 | I |                            | 0 20                     | I |  | 6 12                 | 0 | 0 13 | 0                        | 0 |  |
| 33                            | 27 | 6 31 | 0 | 6                 | I |                            | 0 20                     | 0 |  | 6 12                 | I | 0 13 | 0                        | 0 |  |
| 34                            | 26 | 6 31 | 0 | 7                 | I |                            | 0 20                     | 0 |  | 6 13                 | 0 | 0 14 | I                        | 0 |  |
| 35                            | 25 | 6 30 | 0 | 8                 | I |                            | 0 20                     | 0 |  | 6 13                 | 0 | 0 14 | 0                        | 0 |  |
| 36                            | 24 | 6 30 | 0 | 9                 | I |                            | 0 20                     | 0 |  | 6 13                 | 0 | 0 14 | 0                        | 0 |  |
| 37                            | 23 | 6 29 | 0 | 10                | I |                            | 0 20                     | 0 |  | 6 13                 | 0 | 0 14 | 0                        | 0 |  |
| 38                            | 22 | 6 29 | 0 | 11                | I |                            | 0 20                     | 0 |  | 6 13                 | 0 | 0 14 | 0                        | 0 |  |
| 39                            | 21 | 6 28 | 0 | 12                | I |                            | 0 20                     | I |  | 6 13                 | 0 | 0 14 | 0                        | 0 |  |
| 40                            | 20 | 6 28 | 0 | 13                | I |                            | 0 21                     | 0 |  | 6 13                 | I | 0 14 | 0                        | 0 |  |
| 41                            | 19 | 6 27 | 0 | 14                | I |                            | 0 21                     | 0 |  | 6 13                 | 0 | 0 14 | I                        | 0 |  |
| 42                            | 18 | 6 26 | 0 | 15                | I |                            | 0 21                     | 0 |  | 6 12                 | I | 0 15 | 0                        | 0 |  |
| 43                            | 17 | 6 25 | 0 | 15                | I |                            | 0 21                     | 0 |  | 6 11                 | I | 0 15 | 0                        | 0 |  |
| 44                            | 16 | 6 24 | 0 | 16                | I |                            | 0 21                     | 0 |  | 6 10                 | I | 0 15 | 0                        | 0 |  |
| 45                            | 15 | 6 22 | 0 | 17                | I |                            | 0 21                     | 0 |  | 6 9                  | I | 0 15 | 0                        | 0 |  |
| 46                            | 14 | 6 21 | 0 | 18                | I |                            | 0 21                     | I |  | 6 8                  | I | 0 15 | 0                        | 0 |  |
| 47                            | 13 | 6 19 | 0 | 19                | I |                            | 0 21                     | 0 |  | 6 7                  | I | 0 15 | 0                        | 0 |  |
| 48                            | 12 | 6 17 | 0 | 20                | I |                            | 0 20                     | 0 |  | 6 5                  | 2 | 0 15 | 0                        | 0 |  |
| 49                            | 11 | 6 16 | 0 | 20                | I |                            | 0 20                     | 0 |  | 6 4                  | 2 | 0 15 | 0                        | 0 |  |
| 50                            | 10 | 6 14 | 0 | 21                | I |                            | 0 20                     | 0 |  | 6 2                  | 2 | 0 15 | 0                        | 0 |  |
| 51                            | 9  | 6 12 | 0 | 22                | I |                            | 0 20                     | 0 |  | 6 0                  | 2 | 0 15 | 0                        | 0 |  |
| 52                            | 8  | 6 10 | 0 | 23                | I |                            | 0 20                     | I |  | 5 59                 | 1 | 0 14 | I                        | 0 |  |
| 53                            | 7  | 6 8  | 0 | 24                | I |                            | 0 19                     | 0 |  | 5 57                 | 2 | 0 14 | I                        | 0 |  |
| 54                            | 6  | 6 6  | 0 | 25                | I |                            | 0 19                     | 0 |  | 5 55                 | 2 | 0 14 | 0                        | 0 |  |
| 55                            | 5  | 6 4  | 0 | 26                | I |                            | 0 19                     | 0 |  | 5 53                 | 2 | 0 14 | 0                        | 0 |  |
| 56                            | 4  | 6 1  | 0 | 26                | I |                            | 0 19                     | 0 |  | 5 51                 | 3 | 0 14 | 0                        | 0 |  |
| 57                            | 3  | 5 58 | 0 | 27                | I |                            | 0 19                     | 0 |  | 5 48                 | 2 | 0 14 | 0                        | 0 |  |
| 58                            | 2  | 5 55 | 0 | 28                | I |                            | 0 19                     | 0 |  | 5 46                 | 2 | 0 14 | 0                        | 0 |  |
| 59                            | 1  | 5 52 | 0 | 29                | I |                            | 0 19                     | 0 |  | 5 43                 | 3 | 0 13 | 0                        | 0 |  |
| 0                             | 0  | 5 49 | 0 | 30                | I |                            | 0 19                     | 0 |  | 5 41                 | 2 | 0 13 | 0                        | 0 |  |
| 4                             |    |      |   | Addē m d          |   |                            | m d                      |   |  | m d                  |   |      | m d                      |   |  |
| s                             |    |      |   | ā                 |   |                            | ā                        |   |  | nne ā                |   |      | ā                        |   |  |

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| Lineenu<br>mericō,<br>munes |    |  | Equa<br>tio<br>cētri |   | Logi<br>tudo<br>lon. | Equa<br>tio ar/<br>gumti | Logi<br>tudo<br>pro. |        |        |      |   |
|-----------------------------|----|--|----------------------|---|----------------------|--------------------------|----------------------|--------|--------|------|---|
| [ 5 ]                       |    |  | [ 21 ]               |   |                      |                          |                      | [ 21 ] |        |      |   |
| [ 2 ]                       |    |  | [ 21 ]               |   |                      |                          |                      | [ 21 ] |        |      |   |
| [ 5 ]                       |    |  | [ 5 ]                |   | [ 5 ]                |                          | [ 5 ]                |        |        |      |   |
| 1                           | 59 |  | 546                  | 3 | 1                    | 0 19                     | 0                    | 537    | 4      | 0 23 | 0 |
| 2                           | 58 |  | 543                  | 3 | 1                    | 0 19                     | 0                    | 534    | 3      | 0 23 | 0 |
| 3                           | 57 |  | 540                  | 3 | 1                    | 0 19                     | 0                    | 531    | 3      | 0 23 | 0 |
| 4                           | 56 |  | 536                  | 4 | 1                    | 0 19                     | 0                    | 528    | 3      | 0 23 | 0 |
| 5                           | 55 |  | 532                  | 4 | 1                    | 0 18                     | 1                    | 524    | 4      | 0 22 | 1 |
| 6                           | 54 |  | 528                  | 4 | 1                    | 0 18                     | 0                    | 521    | 3      | 0 22 | 1 |
| 7                           | 53 |  | 524                  | 4 | 1                    | 0 18                     | 0                    | 518    | 3      | 0 22 | 0 |
| 8                           | 52 |  | 520                  | 4 | 1                    | 0 18                     | 0                    | 514    | 4      | 0 21 | 1 |
| 9                           | 51 |  | 516                  | 4 | 1                    | 0 18                     | 0                    | 510    | 4      | 0 21 | 0 |
| 10                          | 50 |  | 512                  | 4 | 1                    | 0 17                     | 0                    | 506    | 4      | 0 21 | 0 |
| 11                          | 49 |  | 508                  | 5 | 1                    | 0 17                     | 0                    | 502    | 4      | 0 21 | 0 |
| 12                          | 48 |  | 503                  | 5 | 1                    | 0 17                     | 0                    | 498    | 4      | 0 20 | 1 |
| 13                          | 47 |  | 498                  | 5 | 1                    | 0 17                     | 0                    | 494    | 4      | 0 20 | 0 |
| 14                          | 46 |  | 493                  | 5 | 1                    | 0 17                     | 1                    | 490    | 4      | 0 20 | 0 |
| 15                          | 45 |  | 488                  | 5 | 1                    | 0 16                     | 0                    | 485    | 5      | 0 19 | 1 |
| 16                          | 44 |  | 483                  | 5 | 1                    | 0 16                     | 0                    | 481    | 4      | 0 19 | 0 |
| 17                          | 43 |  | 478                  | 5 | 1                    | 0 16                     | 0                    | 476    | 5      | 0 19 | 0 |
| 18                          | 42 |  | 473                  | 5 | 1                    | 0 16                     | 1                    | 471    | 5      | 0 18 | 1 |
| 19                          | 41 |  | 468                  | 5 | 1                    | 0 15                     | 0                    | 466    | 5      | 0 18 | 0 |
| 20                          | 40 |  | 463                  | 5 | 1                    | 0 15                     | 0                    | 461    | 5      | 0 18 | 0 |
| 21                          | 39 |  | 457                  | 5 | 1                    | 0 15                     | 0                    | 456    | 5      | 0 17 | 1 |
| 22                          | 38 |  | 452                  | 6 | 1                    | 0 15                     | 1                    | 451    | 5      | 0 17 | 0 |
| 23                          | 37 |  | 446                  | 6 | 1                    | 0 14                     | 0                    | 446    | 5      | 0 17 | 0 |
| 24                          | 36 |  | 440                  | 6 | 1                    | 0 14                     | 0                    | 440    | 6      | 0 16 | 1 |
| 25                          | 35 |  | 434                  | 6 | 1                    | 0 14                     | 1                    | 435    | 5      | 0 16 | 0 |
| 26                          | 34 |  | 428                  | 6 | 1                    | 0 13                     | 0                    | 429    | 6      | 0 16 | 0 |
| 27                          | 33 |  | 422                  | 6 | 1                    | 0 13                     | 0                    | 423    | 6      | 0 15 | 1 |
| 28                          | 32 |  | 416                  | 6 | 1                    | 0 13                     | 1                    | 417    | 6      | 0 15 | 0 |
| 29                          | 31 |  | 410                  | 6 | 1                    | 0 12                     | 0                    | 411    | 6      | 0 14 | 1 |
| 30                          | 30 |  | 404                  | 6 | 1                    | 0 12                     | 0                    | 405    | 6      | 0 14 | 0 |
| [ 5 ]                       |    |  | [ 5 ]                |   | [ 5 ]                |                          | [ 5 ]                |        | [ 5 ]  |      |   |
| [ 3 ]                       |    |  | [ 21 ]               |   | [ 21 ]               |                          | [ 21 ]               |        | [ 21 ] |      |   |
| [ 5 ]                       |    |  | [ 21 ]               |   | [ 21 ]               |                          | [ 21 ]               |        | [ 21 ] |      |   |

Tabula Equationū Saturni.

5

| Lineenu<br>meri cō<br>munes | Equa<br>tio<br>cētri | U<br>m | Logi<br>tudo<br>lon | U<br>m | Equa<br>tio<br>gumti | U<br>m | Logi<br>tudo<br>pro | U<br>m |
|-----------------------------|----------------------|--------|---------------------|--------|----------------------|--------|---------------------|--------|
| 5                           | 2                    | 5      | 5                   | 5      | 5                    | 5      | 5                   | 5      |
| 5                           | 5                    | 5      | 5                   | 5      | 5                    | 5      | 5                   | 5      |
| 31                          | 29                   | 3      | 13                  | 6      | 52                   | 1      | 0                   | 11     |
| 32                          | 28                   | 3      | 11                  | 6      | 53                   | 1      | 0                   | 11     |
| 33                          | 27                   | 3      | 6                   | 6      | 53                   | 1      | 0                   | 11     |
| 34                          | 26                   | 2      | 59                  | 7      | 54                   | 1      | 0                   | 11     |
| 35                          | 25                   | 2      | 52                  | 7      | 54                   | 1      | 0                   | 10     |
| 36                          | 24                   | 2      | 46                  | 6      | 55                   | 1      | 0                   | 10     |
| 37                          | 23                   | 2      | 40                  | 6      | 55                   | 1      | 0                   | 9      |
| 38                          | 22                   | 2      | 34                  | 6      | 56                   | 1      | 0                   | 9      |
| 39                          | 21                   | 2      | 27                  | 6      | 56                   | 1      | 0                   | 8      |
| 40                          | 20                   | 2      | 21                  | 7      | 57                   | 1      | 0                   | 8      |
| 41                          | 19                   | 2      | 14                  | 7      | 57                   | 1      | 0                   | 7      |
| 42                          | 18                   | 2      | 7                   | 7      | 57                   | 1      | 0                   | 7      |
| 43                          | 17                   | 2      | 0                   | 7      | 58                   | 1      | 0                   | 6      |
| 44                          | 16                   | 1      | 53                  | 7      | 58                   | 1      | 0                   | 6      |
| 45                          | 15                   | 1      | 46                  | 7      | 58                   | 1      | 0                   | 6      |
| 46                          | 14                   | 1      | 39                  | 7      | 59                   | 1      | 0                   | 5      |
| 47                          | 13                   | 1      | 32                  | 7      | 59                   | 1      | 0                   | 5      |
| 48                          | 12                   | 1      | 25                  | 7      | 59                   | 1      | 0                   | 5      |
| 49                          | 11                   | 1      | 18                  | 7      | 59                   | 1      | 0                   | 5      |
| 50                          | 10                   | 1      | 11                  | 7      | 60                   | 1      | 0                   | 4      |
| 51                          | 9                    | 1      | 4                   | 7      | 60                   | 1      | 0                   | 4      |
| 52                          | 8                    | 0      | 57                  | 7      | 60                   | 1      | 0                   | 4      |
| 53                          | 7                    | 0      | 50                  | 7      | 60                   | 1      | 0                   | 3      |
| 54                          | 6                    | 0      | 43                  | 7      | 60                   | 1      | 0                   | 3      |
| 55                          | 5                    | 0      | 36                  | 7      | 60                   | 1      | 0                   | 3      |
| 56                          | 4                    | 0      | 29                  | 7      | 60                   | 1      | 0                   | 2      |
| 57                          | 3                    | 0      | 22                  | 7      | 60                   | 1      | 0                   | 2      |
| 58                          | 2                    | 0      | 15                  | 7      | 60                   | 1      | 0                   | 1      |
| 59                          | 1                    | 0      | 8                   | 7      | 60                   | 1      | 0                   | 1      |
| 60                          | 0                    | 0      | 0                   | 7      | 60                   | 1      | 0                   | 0      |

| Tabula visio-<br>nū z occulta-<br>tionū saturni | Tabellarū<br>saturni h ap-<br>positarū | Tabella<br>la sta-<br>tio, | Tabella di-<br>uersi motus<br>in vno die h  | Tabella latitudi-<br>nis h p augmētū<br>50 g. sup. cuspidē. |
|-------------------------------------------------|----------------------------------------|----------------------------|---------------------------------------------|-------------------------------------------------------------|
| Visio h                                         | linee nūeri<br>com-<br>nes             | ma-<br>prime<br>h          | ad dōr<br>pūctū<br>ad dōr<br>portio-<br>nis | esse<br>gion<br>septi<br>m. ppor-<br>tio<br>nalia           |
| Ortus<br>matutin <sup>o</sup>                   | 0 6 5 54                               | 1 52 45                    | 1 44 5 43                                   | 2 4 2 2 59 36                                               |
| 1 5 5 m                                         | 0 12 5 48                              | 1 52 47                    | 1 45 5 36                                   | 2 5 2 3 58 35                                               |
| γ 29 28                                         | 0 18 5 42                              | 1 52 49                    | 1 46 5 24                                   | 2 6 2 4 57 0                                                |
| Y 26 26                                         | 0 24 5 36                              | 1 52 52                    | 1 46 5 12                                   | 2 7 2 5 54 36                                               |
| II 22 10                                        | 0 30 5 30                              | 1 52 56                    | 1 47 5 0                                    | 2 8 2 6 52 0                                                |
| Ϟ 17 18                                         | 0 36 5 24                              | 1 53 2                     | 1 48 4 46                                   | 2 10 2 7 48 24                                              |
| Ω 14 8                                          | 0 42 5 18                              | 1 53 8                     | 1 48 4 36                                   | 2 11 2 8 44 24                                              |
| mp 13 8                                         | 0 48 5 12                              | 1 53 14                    | 1 49 4 16                                   | 2 12 2 10 40 0                                              |
| ⊖ 12 15                                         | 0 54 5 6                               | 1 53 22                    | 1 50 3 50                                   | 2 14 2 13 35 12                                             |
| m 13 1                                          | 1 0 5 0                                | 1 53 28                    | 1 51 3 20                                   | 2 16 2 15 30 0                                              |
| ⊕ 13 47                                         | 1 6 4 54                               | 1 53 36                    | 1 52 2 52                                   | 2 18 2 18 24 24                                             |
| ♄ 16 36                                         | 1 12 4 48                              | 1 53 44                    | 1 53 2 22                                   | 2 20 2 21 18 24                                             |
| ♅ 21 16                                         | 1 18 4 42                              | 1 53 55                    | 1 55 1 50                                   | 2 24 2 24 12 24                                             |
| X 26 46                                         | 1 24 4 36                              | 1 54 4                     | 1 56 1 15                                   | 2 26 2 27 6 24                                              |
| Occultatio ei <sup>o</sup>                      | 1 30 4 30                              | 1 54 11                    | 1 58 0 36                                   | 2 30 2 30 0 0                                               |
| Occasus<br>vespertin <sup>o</sup>               | 1 36 4 24                              | 1 54 19                    | 2 0 Renogē                                  | 2 34 2 33 6 24                                              |
| 1 42 4 18                                       | 1 42 4 18                              | 1 54 27                    | 2 1 0 36                                    | 2 36 2 36 12 24                                             |
| 1 48 4 12                                       | 1 48 4 12                              | 1 54 34                    | 2 3 1 20                                    | 2 39 2 39 18 24                                             |
| γ 13 46                                         | 1 54 4 6                               | 1 54 42                    | 2 4 2 0                                     | 2 42 2 42 24 24                                             |
| Y 14 7                                          | 2 0 4 0                                | 1 54 50                    | 2 6 2 40                                    | 2 45 2 45 30 0                                              |
| II 15 5                                         | 2 6 3 54                               | 1 54 57                    | 2 7 3 10                                    | 2 47 2 48 35 12                                             |
| Ϟ 17 9                                          | 2 12 3 48                              | 1 55 30                    | 2 8 3 50                                    | 2 50 2 51 40 0                                              |
| Ω 14 48                                         | 2 18 3 42                              | 1 55 9                     | 2 9 4 30                                    | 2 53 2 54 44 24                                             |
| mp 22 0                                         | 2 24 3 36                              | 1 55 15                    | 2 10 5 0                                    | 2 55 2 55 48 24                                             |
| ⊖ 22 32                                         | 2 30 3 30                              | 1 55 19                    | 2 11 5 20                                   | 2 57 2 58 52 0                                              |
| m 21 20                                         | 2 36 3 24                              | 1 55 22                    | 2 12 5 50                                   | 2 59 3 0 54 36                                              |
| ⊕ 18 35                                         | 2 42 3 18                              | 1 55 25                    | 2 12 6 15                                   | 2 0 3 2 56 0                                                |
| ♄ 12 36                                         | 2 48 3 12                              | 1 55 27                    | 2 13 6 40                                   | 3 1 3 3 58 36                                               |
| ♅ 14 40                                         | 2 54 3 6                               | 1 55 28                    | 2 14 7 0                                    | 3 2 3 4 59 36                                               |
| X 14 0                                          | 3 0 3 0                                | 1 55 30                    | 2 14 7 15                                   | 3 2 3 5 60 0                                                |

Tabula tabularū ad omnes Calculationes inferuiens proportionū.



|    | I    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
|----|------|------|------|------|------|------|------|------|------|------|
| 1  | 0 1  | 0 2  | 0 3  | 0 4  | 0 5  | 0 6  | 0 7  | 0 8  | 0 9  | 0 10 |
| 2  | 0 1  | 0 4  | 0 6  | 0 8  | 0 10 | 0 12 | 0 14 | 0 16 | 0 18 | 0 20 |
| 3  | 0 3  | 0 6  | 0 9  | 0 12 | 0 15 | 0 18 | 0 21 | 0 24 | 0 27 | 0 30 |
| 4  | 0 4  | 0 8  | 0 12 | 0 16 | 0 20 | 0 24 | 0 28 | 0 32 | 0 36 | 0 40 |
| 5  | 0 5  | 0 10 | 0 15 | 0 20 | 0 25 | 0 30 | 0 35 | 0 40 | 0 45 | 0 50 |
| 6  | 0 6  | 0 12 | 0 18 | 0 24 | 0 30 | 0 36 | 0 42 | 0 48 | 0 54 | 1 0  |
| 7  | 0 7  | 0 14 | 0 21 | 0 28 | 0 35 | 0 42 | 0 49 | 0 56 | 1 3  | 1 10 |
| 8  | 0 8  | 0 16 | 0 24 | 0 32 | 0 40 | 0 48 | 0 56 | 1 4  | 1 12 | 1 20 |
| 9  | 0 9  | 0 18 | 0 27 | 0 36 | 0 45 | 0 54 | 1 3  | 1 12 | 1 21 | 1 30 |
| 10 | 0 10 | 0 20 | 0 30 | 0 40 | 0 50 | 1 0  | 1 10 | 1 20 | 1 30 | 1 40 |
| 11 | 0 11 | 0 22 | 0 33 | 0 44 | 0 55 | 1 6  | 1 17 | 1 28 | 1 39 | 1 50 |
| 12 | 0 12 | 0 24 | 0 36 | 0 48 | 1 0  | 1 12 | 1 24 | 1 36 | 1 48 | 2 0  |
| 13 | 0 13 | 0 26 | 0 39 | 0 52 | 1 5  | 1 18 | 1 31 | 1 44 | 1 57 | 2 10 |
| 14 | 0 14 | 0 28 | 0 42 | 0 56 | 1 10 | 1 24 | 1 38 | 1 52 | 2 6  | 2 20 |
| 15 | 0 15 | 0 30 | 0 45 | 1 0  | 1 15 | 1 30 | 1 45 | 2 0  | 2 15 | 2 30 |
| 16 | 0 16 | 0 32 | 0 48 | 1 4  | 1 20 | 1 36 | 1 52 | 2 8  | 2 24 | 2 40 |
| 17 | 0 17 | 0 34 | 0 51 | 1 8  | 1 25 | 1 42 | 1 59 | 2 16 | 2 33 | 2 50 |
| 18 | 0 18 | 0 36 | 0 54 | 1 12 | 1 30 | 1 48 | 2 6  | 2 24 | 2 42 | 3 0  |
| 19 | 0 19 | 0 38 | 0 57 | 1 16 | 1 35 | 1 54 | 2 13 | 2 32 | 2 51 | 3 10 |
| 20 | 0 20 | 0 40 | 1 0  | 1 20 | 1 40 | 2 0  | 2 20 | 2 40 | 3 0  | 3 20 |
| 21 | 0 21 | 0 42 | 1 3  | 1 24 | 1 45 | 2 6  | 2 27 | 2 48 | 3 9  | 3 30 |
| 22 | 0 22 | 0 44 | 1 6  | 1 28 | 1 50 | 2 12 | 2 34 | 2 56 | 3 18 | 3 40 |
| 23 | 0 23 | 0 46 | 1 9  | 1 32 | 1 55 | 2 18 | 2 41 | 3 4  | 3 27 | 3 50 |
| 24 | 0 24 | 0 48 | 1 12 | 1 36 | 2 0  | 2 24 | 2 48 | 3 12 | 3 36 | 4 0  |
| 25 | 0 25 | 0 50 | 1 15 | 1 40 | 2 5  | 2 30 | 2 55 | 3 20 | 3 45 | 4 10 |
| 26 | 0 26 | 0 52 | 1 18 | 1 44 | 2 10 | 2 36 | 3 1  | 3 28 | 3 54 | 4 20 |
| 27 | 0 27 | 0 54 | 1 21 | 1 48 | 2 15 | 2 42 | 3 9  | 3 36 | 4 3  | 4 30 |
| 28 | 0 28 | 0 56 | 1 24 | 1 52 | 2 20 | 2 48 | 3 16 | 3 44 | 4 12 | 4 40 |
| 29 | 0 29 | 0 58 | 1 27 | 1 56 | 2 25 | 2 54 | 3 23 | 3 52 | 4 21 | 4 50 |
| 30 | 0 30 | 1 0  | 1 30 | 2 0  | 2 30 | 3 0  | 3 30 | 4 0  | 4 30 | 5 0  |

Tabula tabularum ad omnes Calculationes infernijs proportionum.



|    | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
|----|------|------|------|------|------|------|------|------|------|------|
| 31 | 0 31 | 1 2  | 1 33 | 2 4  | 2 35 | 3 6  | 3 37 | 4 8  | 4 39 | 5 10 |
| 32 | 0 32 | 1 4  | 1 36 | 2 8  | 2 40 | 3 12 | 3 44 | 4 16 | 4 48 | 5 20 |
| 33 | 0 33 | 1 6  | 1 39 | 2 12 | 2 45 | 3 18 | 3 51 | 4 24 | 4 57 | 5 30 |
| 34 | 0 34 | 1 8  | 1 42 | 2 16 | 2 50 | 3 24 | 3 58 | 4 32 | 5 6  | 5 40 |
| 35 | 0 35 | 1 10 | 1 45 | 2 20 | 3 55 | 3 30 | 4 5  | 4 40 | 5 15 | 5 50 |
| 36 | 0 36 | 1 12 | 1 48 | 2 24 | 3 0  | 3 36 | 4 12 | 4 48 | 5 24 | 6 0  |
| 37 | 0 37 | 1 14 | 1 51 | 2 28 | 3 5  | 3 42 | 4 19 | 4 56 | 5 33 | 6 10 |
| 38 | 0 38 | 1 16 | 1 54 | 2 32 | 3 10 | 3 48 | 4 26 | 5 4  | 5 42 | 6 20 |
| 39 | 0 39 | 1 18 | 1 57 | 2 36 | 3 15 | 3 54 | 4 33 | 5 12 | 5 51 | 6 30 |
| 40 | 0 40 | 1 20 | 2 0  | 2 40 | 3 20 | 4 0  | 4 40 | 5 20 | 6 0  | 6 40 |
| 41 | 0 41 | 1 22 | 2 3  | 2 44 | 3 25 | 4 6  | 4 47 | 5 28 | 6 9  | 6 50 |
| 42 | 0 42 | 1 24 | 2 6  | 2 48 | 3 30 | 4 12 | 4 54 | 5 36 | 6 18 | 7 0  |
| 43 | 0 43 | 1 26 | 2 9  | 2 42 | 3 35 | 4 18 | 5 1  | 5 44 | 6 18 | 7 10 |
| 44 | 0 44 | 1 28 | 2 12 | 2 56 | 3 40 | 4 24 | 5 8  | 5 52 | 6 36 | 7 20 |
| 45 | 0 45 | 1 30 | 2 15 | 3 0  | 3 45 | 4 30 | 5 15 | 6 0  | 6 45 | 7 30 |
| 46 | 0 46 | 1 32 | 2 18 | 3 4  | 3 50 | 4 36 | 5 22 | 6 8  | 6 54 | 7 40 |
| 47 | 0 47 | 1 34 | 2 21 | 3 8  | 3 55 | 4 42 | 5 29 | 6 16 | 7 3  | 7 50 |
| 48 | 0 48 | 1 36 | 2 24 | 3 12 | 4 0  | 4 48 | 5 36 | 6 24 | 7 12 | 8 0  |
| 49 | 0 49 | 1 38 | 2 27 | 3 16 | 4 5  | 4 54 | 5 43 | 6 32 | 7 21 | 8 10 |
| 50 | 0 50 | 1 40 | 2 30 | 3 20 | 4 10 | 5 0  | 5 50 | 6 40 | 7 30 | 8 20 |
| 51 | 0 51 | 1 42 | 2 33 | 3 44 | 4 15 | 5 6  | 5 57 | 6 48 | 7 39 | 8 30 |
| 52 | 0 52 | 1 44 | 2 36 | 3 48 | 4 20 | 5 12 | 6 4  | 6 56 | 7 48 | 8 40 |
| 53 | 0 53 | 1 46 | 2 39 | 3 52 | 4 25 | 5 18 | 6 11 | 7 4  | 7 57 | 8 50 |
| 54 | 0 54 | 1 48 | 2 42 | 3 56 | 4 30 | 5 24 | 6 18 | 7 12 | 8 6  | 9 0  |
| 55 | 0 55 | 1 50 | 2 45 | 3 40 | 4 35 | 5 30 | 6 25 | 7 20 | 8 15 | 9 10 |
| 56 | 0 56 | 1 52 | 2 48 | 3 44 | 4 40 | 5 36 | 6 32 | 7 28 | 8 24 | 9 20 |
| 57 | 0 57 | 1 54 | 2 51 | 3 48 | 4 45 | 5 42 | 6 39 | 7 36 | 8 33 | 9 30 |
| 58 | 0 58 | 1 56 | 2 54 | 3 52 | 4 50 | 5 48 | 6 46 | 7 44 | 8 41 | 9 40 |
| 59 | 0 59 | 1 58 | 2 57 | 3 56 | 4 55 | 5 52 | 6 53 | 7 52 | 8 51 | 9 50 |
| 60 | 1 0  | 2 0  | 3 0  | 4 0  | 5 0  | 6 0  | 7 0  | 8 0  | 9 0  | 10 0 |

Tabula tabularū ad omnes Calculationes iferuē proportionū.



|    | II   | I2   | I3   | I4   | I5   | I6   | I7   | I8   | I9   | 20   |
|----|------|------|------|------|------|------|------|------|------|------|
| I  | 0 11 | 0 12 | 0 13 | 0 14 | 0 15 | 0 16 | 0 17 | 0 18 | 0 19 | 0 20 |
| 2  | 0 22 | 0 24 | 0 26 | 0 28 | 0 30 | 0 32 | 0 34 | 0 36 | 0 38 | 0 40 |
| 3  | 0 33 | 0 36 | 0 39 | 0 42 | 0 45 | 0 48 | 0 51 | 0 54 | 0 57 | 1 0  |
| 4  | 0 44 | 0 48 | 0 52 | 0 56 | 1 0  | 1 4  | 1 8  | 1 12 | 1 16 | 1 20 |
| 5  | 0 55 | 1 0  | 1 5  | 1 10 | 1 15 | 1 20 | 1 25 | 1 30 | 1 35 | 1 40 |
| 6  | 1 6  | 1 12 | 1 18 | 1 24 | 1 30 | 1 36 | 1 42 | 1 48 | 1 54 | 2 0  |
| 7  | 1 17 | 1 24 | 1 31 | 1 38 | 1 45 | 1 52 | 1 59 | 2 6  | 2 13 | 2 20 |
| 8  | 1 28 | 1 36 | 1 44 | 1 52 | 2 0  | 2 8  | 2 16 | 2 24 | 2 32 | 2 40 |
| 9  | 1 39 | 1 48 | 1 57 | 2 6  | 2 15 | 2 24 | 2 33 | 2 42 | 2 51 | 3 0  |
| 10 | 1 50 | 2 0  | 2 10 | 2 20 | 2 30 | 2 40 | 2 50 | 3 0  | 3 10 | 3 20 |
| 11 | 2 1  | 2 12 | 2 23 | 2 34 | 2 45 | 2 56 | 3 7  | 3 18 | 3 29 | 3 40 |
| 12 | 2 12 | 2 24 | 2 36 | 2 48 | 3 0  | 3 12 | 3 24 | 3 36 | 3 48 | 4 0  |
| 13 | 2 23 | 2 36 | 2 49 | 3 2  | 3 15 | 3 28 | 3 41 | 3 54 | 4 7  | 4 20 |
| 14 | 2 34 | 2 48 | 3 2  | 3 16 | 3 30 | 3 44 | 3 58 | 4 12 | 4 26 | 4 40 |
| 15 | 2 45 | 3 0  | 3 15 | 3 30 | 3 45 | 4 0  | 4 15 | 4 30 | 4 45 | 5 0  |
| 16 | 2 56 | 3 12 | 3 28 | 3 44 | 4 0  | 4 16 | 4 32 | 4 48 | 5 4  | 5 20 |
| 17 | 3 7  | 3 24 | 3 41 | 3 58 | 4 15 | 4 32 | 4 49 | 5 6  | 5 23 | 5 40 |
| 18 | 3 18 | 3 36 | 3 54 | 4 12 | 4 30 | 4 48 | 5 6  | 5 24 | 5 42 | 6 0  |
| 19 | 3 29 | 3 48 | 4 7  | 4 26 | 4 45 | 5 4  | 5 23 | 5 42 | 6 1  | 6 20 |
| 20 | 3 40 | 4 0  | 4 20 | 4 40 | 5 0  | 5 20 | 5 40 | 6 0  | 6 20 | 6 40 |
| 21 | 3 51 | 4 12 | 4 33 | 4 54 | 5 15 | 5 36 | 5 57 | 6 18 | 6 39 | 7 0  |
| 22 | 4 2  | 4 24 | 4 46 | 5 8  | 5 30 | 5 52 | 6 14 | 6 36 | 6 58 | 7 20 |
| 23 | 4 13 | 4 36 | 4 59 | 5 22 | 5 45 | 6 8  | 6 31 | 6 54 | 7 17 | 7 40 |
| 24 | 4 24 | 4 48 | 5 12 | 5 36 | 6 0  | 6 24 | 6 48 | 7 12 | 7 36 | 8 0  |
| 25 | 4 35 | 5 0  | 5 25 | 5 50 | 6 15 | 6 40 | 7 5  | 7 30 | 7 55 | 8 20 |
| 26 | 4 46 | 5 12 | 5 38 | 6 4  | 6 30 | 6 56 | 7 12 | 7 48 | 8 14 | 8 40 |
| 27 | 4 57 | 5 24 | 5 51 | 6 18 | 6 45 | 7 12 | 7 39 | 8 6  | 8 33 | 9 0  |
| 28 | 5 8  | 5 36 | 6 4  | 6 32 | 7 0  | 7 28 | 7 56 | 8 24 | 8 52 | 9 20 |
| 29 | 5 19 | 5 36 | 6 4  | 6 32 | 7 0  | 7 28 | 7 56 | 8 24 | 8 52 | 9 40 |
| 30 | 5 30 | 6 0  | 6 30 | 7 0  | 7 30 | 8 0  | 8 30 | 9 0  | 9 30 | 10 0 |



Tabula tabularū ad omnes Calculationes ſeruiēs proportionū.



|    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 31 | 5 41  | 6 12  | 6 43  | 7 14  | 7 45  | 8 16  | 8 47  | 9 18  | 9 49  | 10 20 |
| 32 | 5 52  | 6 24  | 6 56  | 7 28  | 8 0   | 8 32  | 9 4   | 9 36  | 10 8  | 10 40 |
| 33 | 6 3   | 6 36  | 7 9   | 7 42  | 8 15  | 8 48  | 9 21  | 9 54  | 10 27 | 11 0  |
| 34 | 6 14  | 6 48  | 7 22  | 7 56  | 8 30  | 9 4   | 9 38  | 10 12 | 10 46 | 11 20 |
| 35 | 6 25  | 7 0   | 7 35  | 8 10  | 8 45  | 9 20  | 9 55  | 10 30 | 11 5  | 11 40 |
| 36 | 6 36  | 7 12  | 7 48  | 8 24  | 9 0   | 9 36  | 10 12 | 10 48 | 11 24 | 12 0  |
| 37 | 6 47  | 7 24  | 8 1   | 8 38  | 9 15  | 9 52  | 10 29 | 11 6  | 11 43 | 12 20 |
| 38 | 6 58  | 7 36  | 8 14  | 8 52  | 9 30  | 10 8  | 10 46 | 11 24 | 12 2  | 12 40 |
| 39 | 7 9   | 7 48  | 8 17  | 9 6   | 9 45  | 10 24 | 11 3  | 11 42 | 12 21 | 13 0  |
| 40 | 7 20  | 8 0   | 8 40  | 9 20  | 10 0  | 10 40 | 11 20 | 12 0  | 12 40 | 13 20 |
| 41 | 7 31  | 8 12  | 8 53  | 9 34  | 10 15 | 10 56 | 11 37 | 12 18 | 12 59 | 13 40 |
| 42 | 7 42  | 8 24  | 9 6   | 9 48  | 10 30 | 11 12 | 11 54 | 12 36 | 13 18 | 14 0  |
| 43 | 7 53  | 8 36  | 9 19  | 10 2  | 10 45 | 11 28 | 12 11 | 12 54 | 13 37 | 14 20 |
| 44 | 8 4   | 8 48  | 9 32  | 10 16 | 11 0  | 11 44 | 12 28 | 13 12 | 13 56 | 14 40 |
| 45 | 8 15  | 9 0   | 9 45  | 10 30 | 11 15 | 12 0  | 12 45 | 13 30 | 14 15 | 15 0  |
| 46 | 8 26  | 9 12  | 9 58  | 10 44 | 11 30 | 12 16 | 13 2  | 13 48 | 14 34 | 15 20 |
| 47 | 8 37  | 9 24  | 10 11 | 10 58 | 11 45 | 12 32 | 13 19 | 14 6  | 14 53 | 15 40 |
| 48 | 8 48  | 9 36  | 10 24 | 11 12 | 12 0  | 12 48 | 13 36 | 14 24 | 15 12 | 16 0  |
| 49 | 8 59  | 9 48  | 10 37 | 11 26 | 12 15 | 13 4  | 13 53 | 14 42 | 15 31 | 16 20 |
| 50 | 9 10  | 10 0  | 10 50 | 11 40 | 12 30 | 13 20 | 14 10 | 15 0  | 15 50 | 16 40 |
| 51 | 9 21  | 10 12 | 11 3  | 11 54 | 12 45 | 13 36 | 14 27 | 15 18 | 16 9  | 17 0  |
| 52 | 9 32  | 10 24 | 11 16 | 12 8  | 13 0  | 13 52 | 14 44 | 15 36 | 16 28 | 17 20 |
| 53 | 9 43  | 10 36 | 11 29 | 12 22 | 13 15 | 14 8  | 15 1  | 15 54 | 16 47 | 17 40 |
| 54 | 9 54  | 10 48 | 11 42 | 12 36 | 13 30 | 14 24 | 15 18 | 16 12 | 17 6  | 18 0  |
| 55 | 10 5  | 11 0  | 11 55 | 12 50 | 13 45 | 14 40 | 15 35 | 16 30 | 17 25 | 18 20 |
| 56 | 10 16 | 11 12 | 12 8  | 13 4  | 14 0  | 14 56 | 15 52 | 16 48 | 17 44 | 18 40 |
| 57 | 10 27 | 11 24 | 12 21 | 13 18 | 14 15 | 15 12 | 16 9  | 17 6  | 18 3  | 19 0  |
| 58 | 10 38 | 11 36 | 12 34 | 13 32 | 14 30 | 15 28 | 16 26 | 17 24 | 18 22 | 19 20 |
| 59 | 10 49 | 11 48 | 12 47 | 13 46 | 14 45 | 15 44 | 16 43 | 17 42 | 18 41 | 19 40 |
| 60 | 11 0  | 12 0  | 13 0  | 14 0  | 15 0  | 16 0  | 17 0  | 18 0  | 19 0  | 20 0  |



|    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1  | 0 21  | 0 22  | 0 23  | 0 24  | 0 25  | 0 26  | 0 27  | 0 28  | 0 29  | 0 30  |
| 2  | 0 42  | 0 44  | 0 46  | 0 48  | 0 50  | 0 52  | 0 54  | 0 56  | 0 58  | 1 0   |
| 3  | 1 3   | 1 6   | 1 9   | 1 12  | 1 15  | 1 18  | 1 21  | 1 24  | 1 27  | 1 30  |
| 4  | 1 24  | 1 28  | 1 32  | 1 36  | 1 40  | 1 44  | 1 48  | 1 52  | 1 56  | 2 0   |
| 5  | 1 45  | 1 50  | 1 55  | 2 0   | 2 5   | 2 10  | 2 15  | 2 20  | 2 25  | 2 30  |
| 6  | 2 6   | 2 12  | 2 18  | 2 24  | 2 30  | 2 36  | 2 42  | 2 48  | 2 54  | 3 0   |
| 7  | 2 17  | 2 24  | 2 41  | 2 48  | 2 55  | 3 2   | 3 9   | 3 16  | 3 23  | 3 30  |
| 8  | 2 48  | 2 56  | 3 4   | 3 12  | 3 20  | 3 28  | 3 36  | 3 44  | 3 52  | 4 0   |
| 9  | 3 9   | 3 18  | 3 27  | 3 36  | 3 45  | 3 54  | 4 3   | 4 12  | 4 21  | 4 30  |
| 10 | 3 30  | 3 40  | 3 50  | 4 0   | 4 10  | 4 20  | 4 30  | 4 40  | 4 50  | 5 0   |
| 11 | 3 51  | 4 2   | 4 13  | 4 24  | 4 35  | 4 46  | 4 57  | 5 8   | 5 19  | 5 30  |
| 12 | 4 12  | 4 24  | 4 36  | 4 48  | 5 0   | 5 12  | 5 24  | 5 36  | 5 48  | 6 0   |
| 13 | 4 33  | 4 46  | 4 59  | 5 12  | 5 25  | 5 38  | 5 51  | 6 4   | 6 17  | 6 30  |
| 14 | 4 54  | 5 8   | 5 22  | 5 36  | 5 50  | 6 4   | 6 18  | 6 32  | 6 46  | 7 0   |
| 15 | 5 15  | 5 30  | 5 45  | 6 0   | 6 15  | 6 30  | 6 45  | 7 0   | 7 15  | 7 30  |
| 16 | 5 36  | 5 52  | 6 8   | 6 24  | 6 40  | 6 56  | 7 12  | 7 28  | 7 44  | 8 0   |
| 17 | 5 57  | 6 14  | 6 31  | 6 48  | 7 5   | 7 22  | 7 39  | 7 56  | 8 13  | 8 30  |
| 18 | 6 18  | 6 36  | 6 54  | 7 12  | 7 30  | 7 48  | 8 6   | 8 24  | 8 42  | 9 0   |
| 19 | 6 39  | 6 58  | 7 17  | 7 36  | 7 55  | 8 14  | 8 33  | 8 52  | 9 11  | 9 30  |
| 20 | 7 0   | 7 20  | 7 40  | 8 0   | 8 20  | 8 40  | 9 0   | 9 20  | 9 40  | 10 0  |
| 21 | 7 21  | 7 42  | 8 3   | 8 24  | 8 45  | 9 6   | 9 27  | 9 48  | 10 9  | 10 30 |
| 22 | 7 42  | 8 4   | 8 26  | 8 48  | 9 10  | 9 32  | 9 54  | 10 16 | 10 38 | 11 0  |
| 23 | 8 3   | 8 26  | 8 49  | 9 12  | 9 35  | 9 58  | 10 21 | 10 44 | 11 7  | 11 30 |
| 24 | 8 24  | 8 48  | 9 12  | 9 36  | 10 0  | 10 24 | 10 48 | 11 12 | 11 36 | 12 0  |
| 25 | 8 45  | 9 10  | 9 35  | 10 0  | 10 25 | 10 50 | 11 15 | 11 40 | 12 5  | 12 30 |
| 26 | 9 6   | 9 32  | 9 58  | 10 24 | 10 50 | 11 16 | 11 42 | 12 8  | 12 34 | 13 0  |
| 27 | 9 27  | 9 54  | 10 21 | 10 48 | 11 15 | 11 42 | 12 9  | 12 36 | 13 3  | 13 30 |
| 28 | 9 48  | 10 16 | 10 44 | 11 12 | 11 40 | 12 8  | 12 36 | 13 4  | 13 32 | 14 0  |
| 29 | 10 9  | 10 38 | 11 7  | 11 36 | 12 5  | 12 34 | 13 3  | 13 32 | 14 1  | 14 30 |
| 30 | 10 30 | 11 0  | 11 30 | 12 0  | 12 30 | 13 0  | 13 30 | 14 0  | 14 30 | 15 0  |

**Tabula tabularū ad omnes Calculationes inferuens proportionū.**



|    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 31 | 10 51 | 11 22 | 11 53 | 12 24 | 12 55 | 13 26 | 13 57 | 14 28 | 14 59 | 15 30 |
| 32 | 11 12 | 11 44 | 12 16 | 12 48 | 13 20 | 13 52 | 14 24 | 14 56 | 15 28 | 16 0  |
| 33 | 11 33 | 12 6  | 12 39 | 13 12 | 13 45 | 14 18 | 14 51 | 15 24 | 15 57 | 16 30 |
| 34 | 11 54 | 12 28 | 13 1  | 13 36 | 14 10 | 14 44 | 15 18 | 15 52 | 16 26 | 17 0  |
| 35 | 12 15 | 12 50 | 13 25 | 14 0  | 14 35 | 15 10 | 15 45 | 16 20 | 16 55 | 17 30 |
| 36 | 12 36 | 13 12 | 13 48 | 14 24 | 15 0  | 15 36 | 16 12 | 16 48 | 17 24 | 18 0  |
| 37 | 12 57 | 13 34 | 14 11 | 14 48 | 15 25 | 16 2  | 16 39 | 17 16 | 17 53 | 18 30 |
| 38 | 13 18 | 13 56 | 14 34 | 15 12 | 15 50 | 16 28 | 17 6  | 17 44 | 18 22 | 19 0  |
| 39 | 13 39 | 14 18 | 14 57 | 15 36 | 16 15 | 16 54 | 17 33 | 18 12 | 18 51 | 19 30 |
| 40 | 14 0  | 14 40 | 15 20 | 16 0  | 16 40 | 17 20 | 18 0  | 18 40 | 19 20 | 20 0  |
| 41 | 14 21 | 15 1  | 15 43 | 16 24 | 17 5  | 17 46 | 18 27 | 19 8  | 19 49 | 20 30 |
| 42 | 14 42 | 15 24 | 16 6  | 16 48 | 17 30 | 18 12 | 18 54 | 19 36 | 20 18 | 21 0  |
| 43 | 15 3  | 15 46 | 16 29 | 17 12 | 17 55 | 18 38 | 19 21 | 20 4  | 20 47 | 21 30 |
| 44 | 15 24 | 16 8  | 16 52 | 17 36 | 18 20 | 19 4  | 19 48 | 20 32 | 21 16 | 22 0  |
| 45 | 15 45 | 16 30 | 17 15 | 18 0  | 18 45 | 19 30 | 20 15 | 21 0  | 21 45 | 22 30 |
| 46 | 16 6  | 16 52 | 17 38 | 18 24 | 19 10 | 19 56 | 20 42 | 21 28 | 22 14 | 23 0  |
| 47 | 16 27 | 17 14 | 18 1  | 18 48 | 19 35 | 20 22 | 21 9  | 21 56 | 22 43 | 23 30 |
| 48 | 16 48 | 17 36 | 18 24 | 19 12 | 20 0  | 20 48 | 21 36 | 22 24 | 23 12 | 24 0  |
| 49 | 17 9  | 17 58 | 18 47 | 19 36 | 20 25 | 21 14 | 22 3  | 22 52 | 23 41 | 24 30 |
| 50 | 17 30 | 18 20 | 19 10 | 20 0  | 20 50 | 21 40 | 22 30 | 23 20 | 24 10 | 25 0  |
| 51 | 17 51 | 18 42 | 19 33 | 20 24 | 21 15 | 22 6  | 22 57 | 23 48 | 24 39 | 25 30 |
| 52 | 18 12 | 19 4  | 19 56 | 20 48 | 21 40 | 22 32 | 23 24 | 24 16 | 25 8  | 26 0  |
| 53 | 18 33 | 19 26 | 20 19 | 21 12 | 22 5  | 22 58 | 23 51 | 24 44 | 25 37 | 26 30 |
| 54 | 18 54 | 19 48 | 20 42 | 21 36 | 22 30 | 23 24 | 24 18 | 25 12 | 26 6  | 27 0  |
| 55 | 19 15 | 20 10 | 21 5  | 22 0  | 22 55 | 23 50 | 24 45 | 25 40 | 26 35 | 27 30 |
| 56 | 19 36 | 20 32 | 21 28 | 22 24 | 23 20 | 24 16 | 25 12 | 26 8  | 27 4  | 28 0  |
| 57 | 19 57 | 20 54 | 21 51 | 22 48 | 23 45 | 24 42 | 25 39 | 26 36 | 27 33 | 28 30 |
| 58 | 20 18 | 21 16 | 22 14 | 23 12 | 24 10 | 25 8  | 26 6  | 27 4  | 28 2  | 29 0  |
| 59 | 20 39 | 21 38 | 22 37 | 23 36 | 24 35 | 25 34 | 26 33 | 27 32 | 28 31 | 29 30 |
| 60 | 21 0  | 22 0  | 23 0  | 24 0  | 25 0  | 26 0  | 27 0  | 28 0  | 29 0  | 30 0  |

Tabula tabularū ad omnes Calculationes īfērnies proportionū.



|    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1  | 0 31  | 0 32  | 0 33  | 0 34  | 0 35  | 0 36  | 0 37  | 0 38  | 0 39  | 0 40  |
| 2  | 1 2   | 1 4   | 1 6   | 1 8   | 1 10  | 1 12  | 1 14  | 1 16  | 1 18  | 1 20  |
| 3  | 1 33  | 1 36  | 1 39  | 1 42  | 1 45  | 1 48  | 1 51  | 1 54  | 1 57  | 2 0   |
| 4  | 2 4   | 2 8   | 2 12  | 2 16  | 2 20  | 2 24  | 2 28  | 2 32  | 2 36  | 2 40  |
| 5  | 2 35  | 2 40  | 2 45  | 2 50  | 2 55  | 3 0   | 3 5   | 3 10  | 3 15  | 3 20  |
| 6  | 3 6   | 3 12  | 3 18  | 3 24  | 3 30  | 3 36  | 3 42  | 3 48  | 3 54  | 4 0   |
| 7  | 3 37  | 3 44  | 3 51  | 3 58  | 4 5   | 4 12  | 4 19  | 4 26  | 4 33  | 4 40  |
| 8  | 4 8   | 4 16  | 4 24  | 4 32  | 4 40  | 4 48  | 4 56  | 5 4   | 5 12  | 5 20  |
| 9  | 4 39  | 4 48  | 4 57  | 5 6   | 5 15  | 5 24  | 5 33  | 5 42  | 5 51  | 6 0   |
| 10 | 5 10  | 5 20  | 5 30  | 5 40  | 5 50  | 6 0   | 6 10  | 6 20  | 6 30  | 6 40  |
| 11 | 5 41  | 5 52  | 6 3   | 6 14  | 6 25  | 6 36  | 6 47  | 6 58  | 7 9   | 7 20  |
| 12 | 6 12  | 6 24  | 6 36  | 6 48  | 7 0   | 7 12  | 7 24  | 7 36  | 7 48  | 8 0   |
| 13 | 6 43  | 6 56  | 7 9   | 7 22  | 7 35  | 7 48  | 8 1   | 8 14  | 8 27  | 8 40  |
| 14 | 7 14  | 7 28  | 7 42  | 7 56  | 8 10  | 8 24  | 8 38  | 8 52  | 9 6   | 9 20  |
| 15 | 7 45  | 8 0   | 8 15  | 8 30  | 8 45  | 9 0   | 9 15  | 9 30  | 9 45  | 10 0  |
| 16 | 8 16  | 8 32  | 8 48  | 9 4   | 9 20  | 9 36  | 9 52  | 10 8  | 10 24 | 10 40 |
| 17 | 8 47  | 9 4   | 9 21  | 9 38  | 9 55  | 10 12 | 10 29 | 10 46 | 11 3  | 11 20 |
| 18 | 9 18  | 9 36  | 9 54  | 10 12 | 10 30 | 10 48 | 11 6  | 11 24 | 11 42 | 12 0  |
| 19 | 9 49  | 10 8  | 10 27 | 10 46 | 11 5  | 11 24 | 11 43 | 12 2  | 12 21 | 12 40 |
| 20 | 10 20 | 10 40 | 11 0  | 11 20 | 11 40 | 12 0  | 12 20 | 12 40 | 13 0  | 13 20 |
| 21 | 10 51 | 11 12 | 11 33 | 11 54 | 12 15 | 12 36 | 12 57 | 13 18 | 13 39 | 14 0  |
| 22 | 11 22 | 11 44 | 12 6  | 12 28 | 12 50 | 13 12 | 13 34 | 13 56 | 14 18 | 14 40 |
| 23 | 11 53 | 12 16 | 12 39 | 13 2  | 13 25 | 13 48 | 14 11 | 14 34 | 14 57 | 15 20 |
| 24 | 12 24 | 12 48 | 13 12 | 13 36 | 14 0  | 14 24 | 14 48 | 15 12 | 15 36 | 16 0  |
| 25 | 12 55 | 13 20 | 13 45 | 14 10 | 14 35 | 15 0  | 15 25 | 15 50 | 16 15 | 16 40 |
| 26 | 13 26 | 13 52 | 14 18 | 14 44 | 15 10 | 15 36 | 16 2  | 16 28 | 16 54 | 17 20 |
| 27 | 13 57 | 14 24 | 14 51 | 15 18 | 15 45 | 16 12 | 16 39 | 17 6  | 17 33 | 18 0  |
| 28 | 14 28 | 14 56 | 15 24 | 15 52 | 16 20 | 16 48 | 17 16 | 17 44 | 18 12 | 18 40 |
| 29 | 14 59 | 15 28 | 15 57 | 16 26 | 16 55 | 17 24 | 17 53 | 18 22 | 18 51 | 19 20 |
| 30 | 15 30 | 16 0  | 16 30 | 17 0  | 17 30 | 18 0  | 18 30 | 19 0  | 19 30 | 20 0  |



|    | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 31 | 16 | 1  | 16 | 31 | 17 | 3  | 17 | 34 | 18 | 5  | 18 | 36 | 19 | 7  | 19 | 36 | 20 | 9  | 20 | 40 |
| 32 | 16 | 32 | 17 | 4  | 17 | 36 | 18 | 8  | 18 | 40 | 19 | 12 | 19 | 44 | 20 | 16 | 20 | 48 | 21 | 20 |
| 33 | 17 | 3  | 17 | 36 | 18 | 9  | 18 | 42 | 19 | 15 | 19 | 48 | 20 | 21 | 20 | 54 | 21 | 27 | 22 | 0  |
| 34 | 17 | 34 | 18 | 8  | 18 | 42 | 19 | 16 | 19 | 50 | 20 | 24 | 20 | 58 | 21 | 32 | 22 | 6  | 22 | 40 |
| 35 | 18 | 5  | 18 | 40 | 19 | 15 | 19 | 50 | 20 | 25 | 21 | 0  | 21 | 35 | 22 | 10 | 22 | 45 | 23 | 20 |
| 36 | 18 | 36 | 19 | 12 | 19 | 48 | 20 | 24 | 21 | 0  | 21 | 36 | 22 | 12 | 22 | 48 | 23 | 24 | 24 | 0  |
| 37 | 19 | 7  | 19 | 44 | 20 | 21 | 20 | 58 | 21 | 35 | 22 | 12 | 22 | 49 | 23 | 26 | 24 | 3  | 24 | 40 |
| 38 | 19 | 38 | 20 | 16 | 20 | 54 | 21 | 32 | 22 | 40 | 23 | 26 | 24 | 4  | 24 | 42 | 25 | 20 |    |    |
| 39 | 20 | 9  | 20 | 48 | 21 | 27 | 22 | 6  | 22 | 45 | 23 | 24 | 24 | 3  | 24 | 42 | 25 | 21 | 26 | 0  |
| 40 | 20 | 40 | 21 | 20 | 22 | 0  | 22 | 40 | 23 | 20 | 24 | 0  | 24 | 40 | 25 | 30 | 26 | 0  | 26 | 40 |
| 41 | 21 | 11 | 21 | 52 | 22 | 33 | 23 | 14 | 23 | 55 | 24 | 36 | 25 | 17 | 25 | 58 | 26 | 39 | 27 | 20 |
| 42 | 21 | 42 | 22 | 24 | 23 | 6  | 23 | 48 | 24 | 30 | 25 | 12 | 25 | 54 | 26 | 36 | 27 | 10 | 28 | 0  |
| 43 | 22 | 13 | 22 | 56 | 23 | 39 | 24 | 22 | 25 | 5  | 25 | 48 | 26 | 31 | 27 | 14 | 27 | 57 | 28 | 40 |
| 44 | 22 | 44 | 23 | 28 | 24 | 12 | 24 | 56 | 25 | 40 | 26 | 24 | 27 | 8  | 27 | 52 | 28 | 36 | 29 | 20 |
| 45 | 23 | 15 | 24 | 0  | 24 | 45 | 25 | 30 | 26 | 15 | 27 | 0  | 27 | 45 | 28 | 30 | 29 | 15 | 30 | 0  |
| 46 | 23 | 46 | 24 | 32 | 25 | 18 | 26 | 4  | 26 | 50 | 27 | 36 | 28 | 22 | 29 | 8  | 29 | 54 | 30 | 40 |
| 47 | 24 | 17 | 25 | 4  | 25 | 51 | 26 | 38 | 27 | 25 | 28 | 12 | 28 | 59 | 29 | 46 | 30 | 33 | 31 | 20 |
| 48 | 24 | 48 | 25 | 36 | 26 | 24 | 27 | 12 | 28 | 0  | 28 | 48 | 29 | 36 | 30 | 24 | 31 | 12 | 32 | 0  |
| 49 | 25 | 19 | 26 | 8  | 26 | 57 | 27 | 46 | 28 | 35 | 29 | 24 | 30 | 13 | 31 | 2  | 31 | 51 | 32 | 40 |
| 50 | 25 | 50 | 26 | 40 | 27 | 30 | 28 | 20 | 29 | 10 | 30 | 0  | 30 | 50 | 31 | 40 | 32 | 30 | 33 | 20 |
| 51 | 26 | 21 | 27 | 12 | 28 | 3  | 28 | 54 | 29 | 45 | 30 | 36 | 31 | 17 | 32 | 18 | 33 | 9  | 34 | 0  |
| 52 | 26 | 52 | 27 | 44 | 28 | 36 | 29 | 28 | 30 | 20 | 31 | 12 | 32 | 4  | 32 | 56 | 33 | 48 | 34 | 40 |
| 53 | 27 | 23 | 28 | 16 | 29 | 9  | 30 | 2  | 30 | 55 | 31 | 48 | 32 | 41 | 33 | 34 | 27 | 35 | 20 |    |
| 54 | 27 | 54 | 28 | 46 | 29 | 42 | 30 | 36 | 31 | 30 | 32 | 24 | 33 | 18 | 34 | 12 | 35 | 6  | 36 | 0  |
| 55 | 28 | 25 | 29 | 20 | 30 | 16 | 31 | 10 | 32 | 5  | 33 | 0  | 33 | 55 | 34 | 50 | 35 | 45 | 36 | 40 |
| 56 | 28 | 56 | 29 | 52 | 30 | 48 | 31 | 44 | 32 | 40 | 33 | 36 | 34 | 32 | 35 | 28 | 36 | 24 | 37 | 20 |
| 57 | 29 | 27 | 30 | 24 | 31 | 22 | 32 | 18 | 33 | 15 | 34 | 12 | 35 | 9  | 36 | 9  | 37 | 3  | 38 | 0  |
| 58 | 29 | 58 | 30 | 56 | 31 | 54 | 32 | 53 | 33 | 50 | 34 | 48 | 35 | 46 | 36 | 44 | 37 | 42 | 38 | 40 |
| 59 | 30 | 29 | 31 | 28 | 32 | 18 | 33 | 16 | 34 | 25 | 35 | 24 | 36 | 23 | 37 | 22 | 38 | 21 | 39 | 20 |
| 60 | 31 | 0  | 32 | 0  | 33 | 0  | 34 | 0  | 35 | 0  | 36 | 0  | 37 | 0  | 38 | 0  | 39 | 0  | 40 | 0  |



Tabula tabularū ad omnes Calculationes iserues proportionū.



|    | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 31 | 21 | 11 | 21 | 42 | 22 | 13 | 22 | 44 | 23 | 15 | 23 | 46 | 24 | 17 | 24 | 48 | 25 | 19 | 25 | 50 |
| 32 | 21 | 52 | 22 | 24 | 22 | 56 | 23 | 23 | 24 | 0  | 24 | 32 | 25 | 4  | 25 | 36 | 26 | 8  | 26 | 40 |
| 33 | 22 | 33 | 23 | 6  | 23 | 39 | 24 | 12 | 24 | 45 | 25 | 18 | 25 | 51 | 26 | 24 | 26 | 57 | 27 | 30 |
| 34 | 23 | 14 | 23 | 48 | 24 | 12 | 24 | 56 | 25 | 30 | 26 | 4  | 26 | 38 | 27 | 12 | 27 | 46 | 28 | 20 |
| 35 | 23 | 55 | 24 | 30 | 25 | 5  | 25 | 40 | 26 | 15 | 26 | 50 | 27 | 25 | 28 | 0  | 28 | 35 | 29 | 10 |
| 36 | 24 | 36 | 25 | 12 | 25 | 48 | 26 | 24 | 27 | 0  | 27 | 36 | 28 | 12 | 28 | 48 | 29 | 24 | 30 | 0  |
| 37 | 25 | 17 | 25 | 54 | 26 | 31 | 27 | 8  | 27 | 45 | 28 | 12 | 28 | 59 | 29 | 36 | 30 | 13 | 30 | 50 |
| 38 | 25 | 58 | 26 | 36 | 27 | 14 | 27 | 52 | 28 | 30 | 29 | 8  | 29 | 46 | 30 | 24 | 31 | 2  | 31 | 40 |
| 39 | 26 | 39 | 27 | 18 | 27 | 57 | 28 | 36 | 29 | 15 | 29 | 54 | 30 | 33 | 31 | 12 | 31 | 51 | 32 | 30 |
| 40 | 27 | 20 | 28 | 0  | 28 | 40 | 29 | 20 | 30 | 0  | 30 | 40 | 31 | 20 | 32 | 0  | 32 | 40 | 33 | 20 |
| 41 | 28 | 1  | 28 | 42 | 29 | 23 | 30 | 4  | 30 | 45 | 31 | 26 | 32 | 7  | 32 | 48 | 33 | 29 | 34 | 10 |
| 42 | 28 | 42 | 29 | 24 | 30 | 6  | 30 | 48 | 31 | 30 | 32 | 12 | 32 | 54 | 33 | 36 | 34 | 13 | 35 | 0  |
| 43 | 29 | 23 | 30 | 6  | 30 | 49 | 31 | 32 | 32 | 15 | 32 | 58 | 33 | 41 | 34 | 24 | 35 | 7  | 35 | 50 |
| 44 | 30 | 4  | 30 | 48 | 31 | 32 | 32 | 16 | 33 | 0  | 33 | 44 | 34 | 28 | 35 | 12 | 35 | 56 | 36 | 40 |
| 45 | 30 | 45 | 31 | 30 | 32 | 15 | 33 | 0  | 33 | 45 | 34 | 30 | 35 | 15 | 36 | 0  | 36 | 45 | 37 | 30 |
| 46 | 31 | 26 | 32 | 12 | 32 | 58 | 33 | 44 | 34 | 30 | 35 | 16 | 36 | 2  | 36 | 48 | 37 | 34 | 38 | 20 |
| 47 | 32 | 7  | 32 | 54 | 33 | 41 | 34 | 28 | 35 | 15 | 36 | 2  | 36 | 49 | 37 | 36 | 38 | 23 | 39 | 10 |
| 48 | 32 | 48 | 33 | 36 | 34 | 24 | 35 | 12 | 36 | 0  | 36 | 48 | 37 | 36 | 38 | 24 | 39 | 12 | 40 | 0  |
| 49 | 33 | 29 | 34 | 18 | 35 | 7  | 35 | 56 | 36 | 45 | 37 | 34 | 38 | 23 | 39 | 12 | 40 | 1  | 40 | 50 |
| 50 | 34 | 10 | 35 | 0  | 35 | 50 | 36 | 40 | 37 | 30 | 38 | 20 | 39 | 10 | 40 | 0  | 40 | 50 | 41 | 40 |
| 51 | 34 | 51 | 35 | 42 | 36 | 33 | 37 | 24 | 38 | 15 | 39 | 6  | 39 | 57 | 40 | 48 | 41 | 39 | 42 | 30 |
| 52 | 35 | 32 | 36 | 24 | 37 | 16 | 38 | 8  | 39 | 0  | 39 | 52 | 40 | 44 | 41 | 36 | 42 | 28 | 43 | 20 |
| 53 | 36 | 13 | 37 | 6  | 37 | 59 | 38 | 52 | 39 | 45 | 40 | 38 | 41 | 31 | 42 | 24 | 43 | 17 | 44 | 10 |
| 54 | 36 | 54 | 37 | 48 | 38 | 42 | 39 | 36 | 40 | 30 | 41 | 24 | 42 | 18 | 43 | 12 | 44 | 6  | 45 | 0  |
| 55 | 37 | 35 | 38 | 30 | 39 | 25 | 40 | 20 | 41 | 15 | 42 | 10 | 43 | 5  | 44 | 0  | 44 | 55 | 45 | 50 |
| 56 | 38 | 16 | 39 | 12 | 40 | 8  | 41 | 4  | 42 | 0  | 42 | 56 | 43 | 52 | 44 | 48 | 45 | 44 | 56 | 40 |
| 57 | 38 | 57 | 39 | 54 | 40 | 51 | 41 | 48 | 42 | 45 | 43 | 42 | 44 | 39 | 45 | 36 | 46 | 33 | 47 | 30 |
| 58 | 39 | 38 | 40 | 36 | 41 | 34 | 42 | 32 | 43 | 30 | 44 | 28 | 45 | 16 | 46 | 24 | 47 | 22 | 48 | 20 |
| 59 | 40 | 19 | 41 | 18 | 42 | 17 | 43 | 16 | 44 | 15 | 45 | 14 | 46 | 13 | 47 | 12 | 48 | 11 | 49 | 10 |
| 60 | 41 | 0  | 42 | 0  | 43 | 0  | 44 | 0  | 45 | 0  | 46 | 0  | 47 | 0  | 48 | 0  | 49 | 0  | 50 | 0  |



|    | 51    | 52    | 53    | 54    | 55    | 56    | 57    | 58    | 59    | 60   |  |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--|
| 1  | 0 51  | 0 52  | 0 53  | 0 54  | 0 55  | 0 56  | 0 57  | 0 58  | 0 59  | 1 0  |  |
| 2  | 1 42  | 1 44  | 1 46  | 1 48  | 1 50  | 1 52  | 1 56  | 1 56  | 1 58  | 2 0  |  |
| 3  | 2 33  | 2 36  | 2 39  | 2 42  | 2 45  | 2 48  | 2 51  | 2 54  | 2 57  | 3 0  |  |
| 4  | 3 24  | 3 28  | 3 32  | 3 36  | 3 40  | 3 44  | 3 48  | 3 52  | 3 56  | 4 0  |  |
| 5  | 4 15  | 4 20  | 4 25  | 4 30  | 4 35  | 4 40  | 4 55  | 4 50  | 4 55  | 5 0  |  |
| 6  | 5 6   | 5 12  | 5 18  | 5 24  | 5 30  | 5 36  | 5 42  | 5 48  | 5 54  | 6 0  |  |
| 7  | 5 57  | 6 4   | 6 11  | 6 18  | 6 25  | 6 32  | 6 39  | 6 46  | 6 53  | 7 0  |  |
| 8  | 6 48  | 6 56  | 7 4   | 7 12  | 7 20  | 7 28  | 7 36  | 7 44  | 7 52  | 8 0  |  |
| 9  | 7 39  | 7 48  | 7 57  | 8 6   | 8 15  | 8 24  | 8 33  | 8 42  | 8 51  | 9 0  |  |
| 10 | 8 30  | 8 40  | 8 50  | 9 0   | 9 10  | 9 20  | 9 30  | 9 40  | 9 50  | 10 0 |  |
| 11 | 9 21  | 9 32  | 9 43  | 9 54  | 10 5  | 10 16 | 10 27 | 10 38 | 10 49 | 11 0 |  |
| 12 | 10 12 | 10 24 | 10 36 | 10 48 | 11 0  | 11 12 | 11 24 | 11 36 | 11 48 | 12 0 |  |
| 13 | 11 3  | 11 16 | 11 29 | 11 42 | 11 55 | 12 8  | 12 21 | 12 34 | 12 47 | 13 0 |  |
| 14 | 11 54 | 12 8  | 12 22 | 12 36 | 12 50 | 13 4  | 13 18 | 13 32 | 13 46 | 14 0 |  |
| 15 | 12 45 | 13 0  | 13 15 | 13 30 | 13 45 | 14 0  | 14 15 | 14 30 | 14 45 | 15 0 |  |
| 16 | 13 36 | 13 52 | 14 8  | 14 24 | 14 40 | 14 56 | 15 12 | 15 28 | 15 44 | 16 0 |  |
| 17 | 14 27 | 14 44 | 15 1  | 15 18 | 15 35 | 15 52 | 16 9  | 16 26 | 16 43 | 17 0 |  |
| 18 | 15 18 | 15 36 | 15 54 | 16 12 | 16 30 | 16 48 | 17 6  | 17 24 | 17 42 | 18 0 |  |
| 19 | 16 9  | 16 28 | 16 47 | 17 6  | 17 25 | 17 44 | 18 3  | 18 22 | 18 41 | 19 0 |  |
| 20 | 17 0  | 17 20 | 17 40 | 18 0  | 18 20 | 18 40 | 19 0  | 19 20 | 19 40 | 20 0 |  |
| 21 | 17 51 | 18 11 | 18 33 | 18 54 | 19 15 | 19 36 | 19 57 | 20 18 | 20 39 | 21 0 |  |
| 22 | 18 42 | 19 4  | 19 26 | 19 48 | 20 10 | 20 32 | 20 54 | 21 16 | 21 38 | 22 0 |  |
| 23 | 19 33 | 19 56 | 20 19 | 20 42 | 21 5  | 21 28 | 21 51 | 22 14 | 22 37 | 23 0 |  |
| 24 | 20 24 | 20 48 | 21 12 | 21 36 | 22 0  | 22 24 | 22 48 | 23 12 | 23 36 | 24 0 |  |
| 25 | 21 15 | 21 40 | 22 5  | 22 30 | 22 55 | 23 10 | 23 45 | 24 10 | 24 35 | 25 0 |  |
| 26 | 22 6  | 22 32 | 22 58 | 23 24 | 23 50 | 24 16 | 24 42 | 25 8  | 25 34 | 26 0 |  |
| 27 | 22 57 | 23 24 | 23 51 | 24 18 | 24 45 | 25 13 | 25 39 | 26 6  | 26 33 | 27 0 |  |
| 28 | 23 48 | 24 16 | 24 44 | 25 12 | 25 40 | 26 8  | 26 36 | 27 4  | 27 32 | 28 0 |  |
| 29 | 24 39 | 25 8  | 25 37 | 26 6  | 26 35 | 27 4  | 27 33 | 28 2  | 28 31 | 29 0 |  |
| 30 | 25 30 | 26 0  | 26 30 | 27 0  | 27 30 | 28 0  | 28 30 | 29 0  | 29 30 | 30 0 |  |





|    | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |    |    |    |    |    |    |    |    |    |   |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| 31 | 26 | 21 | 26 | 52 | 17 | 23 | 27 | 54 | 28 | 25 | 28 | 56 | 29 | 27 | 29 | 58 | 30 | 29 | 31 | 0 |
| 32 | 27 | 12 | 27 | 44 | 18 | 16 | 28 | 48 | 29 | 20 | 29 | 52 | 30 | 24 | 30 | 56 | 31 | 28 | 32 | 0 |
| 33 | 28 | 3  | 28 | 36 | 29 | 9  | 29 | 42 | 30 | 15 | 30 | 48 | 31 | 21 | 31 | 54 | 32 | 27 | 33 | 0 |
| 34 | 28 | 54 | 29 | 28 | 30 | 2  | 30 | 36 | 31 | 10 | 31 | 44 | 32 | 18 | 32 | 52 | 33 | 26 | 34 | 0 |
| 35 | 29 | 45 | 30 | 20 | 30 | 55 | 31 | 30 | 32 | 5  | 32 | 40 | 33 | 15 | 33 | 50 | 34 | 25 | 35 | 0 |
| 36 | 30 | 36 | 31 | 12 | 31 | 48 | 32 | 24 | 33 | 0  | 33 | 36 | 34 | 12 | 34 | 48 | 35 | 24 | 36 | 0 |
| 37 | 31 | 27 | 32 | 4  | 32 | 41 | 33 | 18 | 33 | 55 | 34 | 32 | 35 | 9  | 35 | 46 | 36 | 23 | 37 | 0 |
| 38 | 32 | 18 | 32 | 56 | 33 | 24 | 34 | 12 | 34 | 50 | 35 | 28 | 36 | 6  | 36 | 44 | 37 | 22 | 38 | 0 |
| 39 | 33 | 9  | 33 | 48 | 34 | 27 | 35 | 6  | 35 | 45 | 36 | 24 | 37 | 3  | 37 | 42 | 38 | 21 | 39 | 0 |
| 40 | 34 | 0  | 34 | 40 | 35 | 20 | 36 | 0  | 36 | 40 | 37 | 20 | 38 | 0  | 38 | 40 | 39 | 20 | 40 | 0 |
| 41 | 34 | 51 | 35 | 32 | 36 | 13 | 36 | 54 | 37 | 35 | 38 | 16 | 38 | 57 | 39 | 38 | 40 | 19 | 41 | 0 |
| 42 | 34 | 42 | 36 | 24 | 37 | 6  | 37 | 48 | 38 | 30 | 39 | 12 | 39 | 54 | 40 | 36 | 41 | 18 | 42 | 0 |
| 43 | 36 | 33 | 37 | 16 | 37 | 59 | 38 | 42 | 39 | 25 | 40 | 8  | 40 | 51 | 41 | 34 | 42 | 17 | 43 | 0 |
| 44 | 37 | 24 | 38 | 8  | 38 | 52 | 39 | 36 | 40 | 20 | 41 | 4  | 41 | 48 | 42 | 32 | 43 | 16 | 44 | 0 |
| 45 | 38 | 15 | 39 | 0  | 39 | 45 | 40 | 30 | 41 | 15 | 42 | 0  | 42 | 45 | 43 | 30 | 44 | 15 | 45 | 0 |
| 46 | 39 | 6  | 39 | 52 | 40 | 38 | 41 | 24 | 42 | 10 | 42 | 56 | 43 | 42 | 44 | 28 | 45 | 14 | 46 | 0 |
| 47 | 39 | 57 | 40 | 44 | 41 | 31 | 42 | 18 | 43 | 5  | 43 | 52 | 44 | 39 | 45 | 26 | 46 | 13 | 47 | 0 |
| 48 | 40 | 48 | 41 | 36 | 42 | 24 | 43 | 12 | 44 | 0  | 44 | 48 | 45 | 36 | 46 | 24 | 47 | 12 | 48 | 0 |
| 49 | 41 | 39 | 42 | 28 | 43 | 17 | 44 | 6  | 44 | 55 | 45 | 44 | 46 | 33 | 47 | 22 | 48 | 11 | 49 | 0 |
| 50 | 42 | 30 | 43 | 20 | 44 | 10 | 45 | 0  | 45 | 50 | 46 | 40 | 47 | 30 | 48 | 20 | 49 | 10 | 50 | 0 |
| 51 | 43 | 21 | 44 | 12 | 45 | 3  | 45 | 54 | 46 | 45 | 47 | 36 | 48 | 27 | 49 | 18 | 50 | 9  | 51 | 0 |
| 52 | 44 | 12 | 45 | 4  | 45 | 56 | 46 | 48 | 47 | 40 | 48 | 32 | 49 | 24 | 50 | 16 | 51 | 8  | 52 | 0 |
| 53 | 45 | 3  | 45 | 56 | 46 | 49 | 47 | 42 | 48 | 35 | 49 | 28 | 50 | 21 | 51 | 14 | 52 | 7  | 53 | 0 |
| 54 | 45 | 54 | 46 | 48 | 47 | 42 | 48 | 36 | 49 | 30 | 50 | 44 | 51 | 18 | 52 | 12 | 53 | 6  | 54 | 0 |
| 55 | 46 | 45 | 47 | 40 | 48 | 35 | 49 | 30 | 50 | 25 | 51 | 20 | 52 | 12 | 53 | 10 | 54 | 5  | 55 | 0 |
| 56 | 47 | 36 | 48 | 32 | 49 | 28 | 50 | 24 | 51 | 20 | 52 | 16 | 53 | 12 | 54 | 8  | 55 | 4  | 56 | 0 |
| 57 | 48 | 27 | 49 | 24 | 50 | 21 | 51 | 18 | 52 | 15 | 53 | 12 | 54 | 9  | 55 | 6  | 56 | 3  | 57 | 0 |
| 58 | 49 | 18 | 50 | 16 | 51 | 14 | 52 | 12 | 53 | 10 | 54 | 8  | 55 | 6  | 56 | 4  | 57 | 2  | 58 | 0 |
| 59 | 50 | 9  | 51 | 8  | 52 | 7  | 53 | 6  | 54 | 5  | 55 | 4  | 56 | 3  | 57 | 2  | 58 | 1  | 59 | 0 |
| 60 | 51 | 0  | 52 | 0  | 53 | 0  | 54 | 0  | 55 | 0  | 56 | 0  | 57 | 0  | 58 | 0  | 59 | 0  | 0  | 1 |

**Tabula Coniunctionis vel Oppositionis Solis & Lune: siue tabule medi  
motus Lune in elongatione sui a Sole.**

| 4      | 3 | 2  | 1  | 0  | ♂  | ♀      | 4  | 3  | 2  | 1  | 0  |
|--------|---|----|----|----|----|--------|----|----|----|----|----|
| 3      | 6 | 5  | 4  | 3  | 2  | 1      | 0  | 3  | 6  | 5  | 4  |
| 2      | 5 | 4  | 3  | 2  | 1  | 0      | 3  | 2  | 1  | 0  | 3  |
| 1      | 4 | 3  | 2  | 1  | 0  | 3      | 2  | 1  | 0  | 3  | 2  |
| 0      | 3 | 2  | 1  | 0  | 3  | 2      | 1  | 0  | 3  | 2  | 1  |
| 1      | 0 | 12 | 11 | 10 | 9  | 8      | 7  | 6  | 5  | 4  | 3  |
| 2      | 0 | 24 | 22 | 20 | 18 | 16     | 14 | 12 | 10 | 8  | 6  |
| 3      | 0 | 36 | 34 | 31 | 28 | 25     | 22 | 19 | 16 | 13 | 10 |
| 4      | 0 | 48 | 45 | 41 | 37 | 33     | 29 | 25 | 21 | 17 | 13 |
| 5      | 1 | 0  | 57 | 53 | 48 | 43     | 38 | 33 | 28 | 23 | 18 |
| 6      | 1 | 13 | 8  | 40 | 35 | 30     | 25 | 20 | 15 | 10 | 5  |
| 7      | 1 | 25 | 20 | 15 | 10 | 5      | 0  | 3  | 2  | 1  | 0  |
| 8      | 1 | 37 | 31 | 25 | 19 | 13     | 7  | 1  | 0  | 3  | 2  |
| 9      | 1 | 49 | 43 | 36 | 29 | 22     | 15 | 8  | 2  | 1  | 0  |
| 10     | 2 | 1  | 54 | 46 | 38 | 30     | 22 | 14 | 6  | 0  | 3  |
| 11     | 2 | 14 | 5  | 53 | 44 | 35     | 26 | 17 | 8  | 1  | 0  |
| 12     | 2 | 26 | 17 | 20 | 19 | 34     | 22 | 7  | 48 | 3  | 2  |
| 13     | 2 | 38 | 28 | 47 | 1  | 12     | 13 | 58 | 27 | 4  | 3  |
| 14     | 2 | 50 | 40 | 13 | 42 | 50     | 5  | 49 | 6  | 5  | 4  |
| 15     | 3 | 2  | 51 | 40 | 24 | 27     | 57 | 39 | 45 | 6  | 5  |
| 16     | 3 | 15 | 3  | 7  | 6  | 5      | 49 | 30 | 24 | 7  | 6  |
| 17     | 3 | 27 | 14 | 33 | 47 | 43     | 41 | 21 | 3  | 8  | 7  |
| 18     | 3 | 39 | 26 | 0  | 29 | 21     | 33 | 11 | 42 | 9  | 8  |
| 19     | 3 | 51 | 37 | 27 | 10 | 59     | 25 | 2  | 21 | 10 | 9  |
| 20     | 4 | 3  | 48 | 53 | 52 | 37     | 16 | 53 | 0  | 11 | 10 |
| 21     | 4 | 16 | 0  | 20 | 34 | 15     | 8  | 43 | 39 | 12 | 11 |
| 22     | 4 | 28 | 11 | 47 | 15 | 53     | 0  | 34 | 18 | 13 | 12 |
| 23     | 4 | 40 | 23 | 13 | 57 | 30     | 52 | 24 | 57 | 14 | 13 |
| 24     | 4 | 52 | 34 | 40 | 39 | 8      | 44 | 15 | 36 | 15 | 14 |
| 25     | 5 | 4  | 46 | 7  | 20 | 46     | 36 | 6  | 15 | 16 | 15 |
| 26     | 5 | 16 | 57 | 34 | 2  | 24     | 27 | 56 | 54 | 17 | 16 |
| 27     | 5 | 29 | 9  | 0  | 44 | 2      | 19 | 47 | 33 | 18 | 17 |
| 28     | 5 | 41 | 20 | 17 | 25 | 40     | 11 | 38 | 12 | 19 | 18 |
| 29     | 5 | 53 | 31 | 54 | 7  | 18     | 3  | 28 | 51 | 20 | 19 |
| 30     | 6 | 5  | 43 | 10 | 48 | 55     | 55 | 19 | 30 | 21 | 20 |
| m      | 6 | m  | 2  | 3  | 4  |        |    |    |    | 22 | 21 |
| 2      | m | 2  | 3  | 4  |    |        |    |    |    | 23 | 22 |
| 3      | 2 | 3  | 4  |    |    |        |    |    |    | 24 | 23 |
| 4      | 3 | 4  |    |    |    |        |    |    |    | 25 | 24 |
| Dies 6 |   |    |    |    |    | Dies 6 |    |    |    |    |    |

Tabula partis duodecime  
distantie inter solē & lunā

Tabula mor<sup>o</sup> sol in vno minuto diei.

⊙

| Distantia |    | Parte duode-<br>cim |   | Distantia |    | Parte duode-<br>cim |    | Linee<br>numeri<br>cōmu-<br>nes. |    | Mor <sup>o</sup><br>Solis i<br>vno mi-<br>nuto<br>diei. |    | Linee<br>numeri<br>cōmu-<br>nes. |    | Mor <sup>o</sup><br>Solis i<br>vno mi-<br>nuto<br>diei. |    |    |
|-----------|----|---------------------|---|-----------|----|---------------------|----|----------------------------------|----|---------------------------------------------------------|----|----------------------------------|----|---------------------------------------------------------|----|----|
| 3         | m  | 3                   | m | 3         | m  | 3                   | m  | 3                                | g  | 3                                                       | g  | 3                                | g  | 3                                                       | g  |    |
| 1         | 5  | 1                   | 0 | 5         | 31 | 2                   | 35 | 0                                | 3  | 5                                                       | 57 | 0                                | 57 | 1                                                       | 33 |    |
| 2         | 10 | 1                   | 0 | 10        | 32 | 2                   | 40 | 0                                | 6  | 5                                                       | 54 | 0                                | 57 | 1                                                       | 36 |    |
| 3         | 15 | 3                   | 0 | 35        | 33 | 2                   | 45 | 0                                | 9  | 5                                                       | 51 | 0                                | 57 | 1                                                       | 39 |    |
| 4         | 20 | 4                   | 0 | 20        | 30 | 2                   | 50 | 0                                | 12 | 5                                                       | 48 | 0                                | 57 | 1                                                       | 42 |    |
| 5         | 25 | 5                   | 0 | 25        | 35 | 2                   | 55 | 0                                | 15 | 5                                                       | 45 | 0                                | 57 | 1                                                       | 45 |    |
| 6         | 30 | 6                   | 0 | 30        | 36 | 3                   | 0  | 0                                | 18 | 5                                                       | 42 | 0                                | 57 | 1                                                       | 48 |    |
| 7         | 35 | 7                   | 0 | 35        | 37 | 3                   | 5  | 0                                | 21 | 5                                                       | 39 | 0                                | 57 | 1                                                       | 51 |    |
| 8         | 40 | 8                   | 0 | 40        | 38 | 3                   | 10 | 0                                | 24 | 5                                                       | 36 | 0                                | 57 | 1                                                       | 54 |    |
|           |    | 9                   | 0 | 45        | 39 | 3                   | 15 | 0                                | 27 | 5                                                       | 33 | 0                                | 57 | 1                                                       | 57 |    |
|           |    | 10                  | 0 | 50        | 40 | 3                   | 20 | 0                                | 30 | 5                                                       | 30 | 0                                | 57 | 2                                                       | 0  |    |
|           |    | 11                  | 0 | 55        | 41 | 3                   | 25 | 0                                | 33 | 5                                                       | 27 | 0                                | 57 | 2                                                       | 3  |    |
|           |    | 12                  | 1 | 0         | 42 | 3                   | 30 | 0                                | 36 | 5                                                       | 24 | 0                                | 58 | 2                                                       | 6  |    |
|           |    | 13                  | 1 | 5         | 43 | 3                   | 35 | 0                                | 39 | 5                                                       | 21 | 0                                | 58 | 2                                                       | 9  |    |
|           |    | 14                  | 1 | 10        | 44 | 3                   | 40 | 0                                | 42 | 5                                                       | 18 | 0                                | 58 | 2                                                       | 12 |    |
|           |    | 15                  | 1 | 15        | 45 | 3                   | 45 | 0                                | 45 | 5                                                       | 15 | 0                                | 58 | 2                                                       | 15 |    |
|           |    | 16                  | 1 | 20        | 46 | 3                   | 50 | 0                                | 48 | 5                                                       | 12 | 0                                | 58 | 2                                                       | 18 |    |
|           |    | 17                  | 1 | 25        | 47 | 3                   | 55 | 0                                | 51 | 5                                                       | 9  | 0                                | 58 | 2                                                       | 21 |    |
|           |    | 18                  | 1 | 30        | 48 | 4                   | 0  | 0                                | 54 | 5                                                       | 6  | 0                                | 58 | 2                                                       | 24 |    |
|           |    | 19                  | 1 | 35        | 49 | 4                   | 5  | 0                                | 57 | 5                                                       | 3  | 0                                | 58 | 2                                                       | 27 |    |
|           |    | 20                  | 1 | 40        | 50 | 4                   | 10 | 0                                | 1  | 0                                                       | 5  | 0                                | 58 | 2                                                       | 30 |    |
|           |    | 21                  | 1 | 45        | 51 | 4                   | 15 | 0                                | 1  | 3                                                       | 4  | 57                               | 0  | 58                                                      | 2  | 33 |
|           |    | 22                  | 1 | 50        | 52 | 4                   | 20 | 0                                | 1  | 6                                                       | 4  | 54                               | 0  | 58                                                      | 2  | 36 |
|           |    | 23                  | 1 | 55        | 53 | 4                   | 25 | 0                                | 1  | 9                                                       | 4  | 51                               | 0  | 58                                                      | 2  | 39 |
|           |    | 24                  | 2 | 0         | 54 | 4                   | 30 | 0                                | 1  | 12                                                      | 4  | 48                               | 0  | 59                                                      | 2  | 42 |
|           |    | 25                  | 2 | 5         | 55 | 4                   | 35 | 0                                | 1  | 15                                                      | 4  | 45                               | 0  | 59                                                      | 2  | 45 |
|           |    | 26                  | 2 | 10        | 56 | 4                   | 40 | 0                                | 1  | 18                                                      | 4  | 42                               | 0  | 59                                                      | 2  | 48 |
|           |    | 27                  | 2 | 15        | 57 | 4                   | 45 | 0                                | 1  | 21                                                      | 4  | 39                               | 0  | 59                                                      | 2  | 51 |
|           |    | 28                  | 2 | 20        | 58 | 4                   | 50 | 0                                | 1  | 24                                                      | 4  | 36                               | 0  | 59                                                      | 2  | 54 |
|           |    | 29                  | 2 | 25        | 59 | 4                   | 55 | 0                                | 1  | 27                                                      | 4  | 33                               | 0  | 59                                                      | 2  | 57 |
|           |    | 30                  | 2 | 30        | 60 | 5                   | 0  | 0                                | 1  | 30                                                      | 4  | 30                               | 0  | 59                                                      | 3  | 0  |

Tabula adnotus Lunae in vno adunato Diei.

| Linee adnotus Lunae |         |         | Linee adnotus Lunae |         |         | Linee adnotus Lunae |         |         |
|---------------------|---------|---------|---------------------|---------|---------|---------------------|---------|---------|
| numeri              | comu    | nes.    | numeri              | comu    | nes.    | numeri              | comu    | nes.    |
| adnotus             | adnotus | adnotus | adnotus             | adnotus | adnotus | adnotus             | adnotus | adnotus |
| Diei.               | Diei.   | Diei.   | Diei.               | Diei.   | Diei.   | Diei.               | Diei.   | Diei.   |
| 1                   | 59      | 12 9    | 31                  | 29      | 12 16   | 1                   | 59      | 12 35   |
| 2                   | 58      | 12 9    | 32                  | 28      | 12 16   | 2                   | 58      | 12 36   |
| 3                   | 57      | 12 9    | 33                  | 27      | 12 17   | 3                   | 57      | 12 37   |
| 4                   | 56      | 12 9    | 34                  | 26      | 12 17   | 4                   | 56      | 12 38   |
| 5                   | 55      | 12 9    | 35                  | 25      | 12 18   | 5                   | 55      | 12 39   |
| 6                   | 54      | 12 9    | 36                  | 24      | 12 18   | 6                   | 54      | 12 40   |
| 7                   | 53      | 12 9    | 37                  | 23      | 12 19   | 7                   | 53      | 12 41   |
| 8                   | 52      | 12 9    | 38                  | 22      | 12 19   | 8                   | 52      | 12 42   |
| 9                   | 51      | 12 9    | 39                  | 21      | 12 20   | 9                   | 51      | 12 43   |
| 10                  | 50      | 12 9    | 40                  | 20      | 12 20   | 10                  | 50      | 12 44   |
| 11                  | 49      | 12 10   | 41                  | 19      | 12 21   | 11                  | 49      | 12 45   |
| 12                  | 48      | 12 10   | 42                  | 18      | 12 22   | 12                  | 48      | 12 46   |
| 13                  | 47      | 12 10   | 43                  | 17      | 12 22   | 13                  | 47      | 12 47   |
| 14                  | 46      | 12 10   | 44                  | 16      | 12 23   | 14                  | 46      | 12 48   |
| 15                  | 45      | 12 10   | 45                  | 15      | 12 24   | 15                  | 45      | 12 49   |
| 16                  | 34      | 12 10   | 46                  | 14      | 12 24   | 16                  | 44      | 12 50   |
| 17                  | 43      | 12 10   | 47                  | 13      | 12 25   | 17                  | 43      | 12 51   |
| 18                  | 42      | 12 11   | 48                  | 12      | 12 25   | 18                  | 42      | 12 52   |
| 19                  | 41      | 12 11   | 49                  | 11      | 12 26   | 19                  | 41      | 12 53   |
| 20                  | 40      | 12 11   | 50                  | 10      | 12 27   | 20                  | 40      | 12 54   |
| 21                  | 39      | 12 12   | 51                  | 9       | 12 28   | 21                  | 39      | 12 54   |
| 22                  | 38      | 12 12   | 52                  | 8       | 12 29   | 22                  | 38      | 12 56   |
| 23                  | 37      | 12 12   | 53                  | 7       | 12 29   | 23                  | 37      | 12 57   |
| 24                  | 36      | 12 13   | 54                  | 6       | 12 30   | 24                  | 36      | 12 58   |
| 25                  | 35      | 12 13   | 55                  | 5       | 12 31   | 25                  | 35      | 12 59   |
| 26                  | 34      | 12 13   | 56                  | 4       | 12 31   | 26                  | 34      | 13 0    |
| 27                  | 33      | 12 14   | 57                  | 3       | 12 32   | 27                  | 33      | 13 1    |
| 28                  | 32      | 12 14   | 58                  | 2       | 12 33   | 28                  | 32      | 13 2    |
| 29                  | 31      | 12 15   | 59                  | 1       | 12 34   | 29                  | 31      | 13 3    |
| 30                  | 30      | 12 15   | 0                   | 0       | 12 35   | 30                  | 30      | 13 4    |
|                     |         |         |                     |         |         |                     |         |         |
|                     | 5       |         |                     | 5       |         |                     | 1       |         |
|                     | 6       |         |                     | 6       |         |                     | 6       |         |

Tabula motus Lune in vno minuto diei.

| Clinee |    |        |       | adot <sup>o</sup> |    |        |       | Clinee |    |        |       | adot <sup>o</sup> |    |        |       |
|--------|----|--------|-------|-------------------|----|--------|-------|--------|----|--------|-------|-------------------|----|--------|-------|
| numeri |    | Tune i |       | numeri            |    | Tune i |       | numeri |    | Tune i |       | numeri            |    | Tune i |       |
| comu   |    | vno mi |       | comu              |    | vno mi |       | comu   |    | vno mi |       | comu              |    | vno mi |       |
| nes.   |    | nuto   |       | nes.              |    | nuto   |       | nes.   |    | nuto   |       | nes.              |    | nuto   |       |
| 5      |    |        | diei. | 5                 |    |        | diei. | 5      |    |        | diei. | 5                 |    |        | diei. |
| 1      |    |        |       | 2                 |    |        |       | 2      |    |        |       | 2                 |    |        |       |
| 5      | 5  | m      | 2     | 5                 | 5  | m      | 2     | 5      | 5  | m      | 2     | 5                 | 5  | m      | 2     |
| 31     | 29 | 13     | 5     | 1                 | 59 | 13     | 43    | 31     | 29 | 14     | 13    | 31                | 29 | 14     | 13    |
| 32     | 28 | 13     | 6     | 2                 | 58 | 13     | 44    | 32     | 28 | 14     | 13    | 32                | 28 | 14     | 13    |
| 33     | 27 | 13     | 7     | 3                 | 57 | 13     | 45    | 33     | 27 | 14     | 14    | 33                | 27 | 14     | 14    |
| 34     | 26 | 13     | 8     | 4                 | 56 | 13     | 46    | 34     | 26 | 14     | 14    | 34                | 26 | 14     | 14    |
| 35     | 25 | 13     | 9     | 5                 | 55 | 13     | 47    | 35     | 25 | 14     | 15    | 35                | 25 | 14     | 15    |
| 36     | 24 | 13     | 10    | 6                 | 54 | 13     | 48    | 36     | 24 | 14     | 16    | 36                | 24 | 14     | 16    |
| 37     | 23 | 13     | 11    | 7                 | 53 | 13     | 49    | 37     | 23 | 14     | 17    | 37                | 23 | 14     | 17    |
| 38     | 22 | 13     | 14    | 8                 | 52 | 13     | 50    | 38     | 22 | 14     | 18    | 38                | 22 | 14     | 18    |
| 39     | 21 | 13     | 15    | 9                 | 51 | 13     | 51    | 39     | 21 | 14     | 19    | 39                | 21 | 14     | 19    |
| 40     | 20 | 13     | 16    | 10                | 50 | 13     | 52    | 40     | 20 | 14     | 20    | 40                | 20 | 14     | 20    |
| 41     | 19 | 13     | 18    | 11                | 49 | 13     | 53    | 41     | 19 | 14     | 21    | 41                | 19 | 14     | 21    |
| 42     | 18 | 13     | 19    | 12                | 48 | 13     | 54    | 42     | 18 | 14     | 23    | 42                | 18 | 14     | 23    |
| 43     | 17 | 13     | 20    | 13                | 47 | 13     | 55    | 43     | 17 | 14     | 24    | 43                | 17 | 14     | 24    |
| 44     | 16 | 13     | 22    | 14                | 46 | 13     | 56    | 44     | 16 | 14     | 24    | 44                | 16 | 14     | 24    |
| 45     | 15 | 12     | 23    | 15                | 45 | 13     | 57    | 45     | 15 | 14     | 24    | 45                | 15 | 14     | 24    |
| 46     | 14 | 13     | 24    | 16                | 44 | 13     | 58    | 46     | 14 | 14     | 24    | 46                | 14 | 14     | 24    |
| 47     | 13 | 13     | 26    | 17                | 43 | 13     | 59    | 47     | 13 | 14     | 24    | 47                | 13 | 14     | 24    |
| 48     | 12 | 13     | 27    | 18                | 42 | 14     | 0     | 48     | 12 | 14     | 24    | 48                | 12 | 14     | 24    |
| 49     | 11 | 13     | 28    | 19                | 41 | 14     | 1     | 49     | 11 | 14     | 24    | 49                | 11 | 14     | 24    |
| 50     | 10 | 13     | 29    | 20                | 40 | 14     | 2     | 50     | 10 | 14     | 24    | 50                | 10 | 14     | 24    |
| 51     | 9  | 13     | 30    | 21                | 39 | 14     | 3     | 51     | 9  | 14     | 25    | 51                | 9  | 14     | 25    |
| 52     | 8  | 13     | 31    | 22                | 38 | 14     | 4     | 52     | 8  | 14     | 25    | 52                | 8  | 14     | 25    |
| 53     | 7  | 13     | 32    | 23                | 37 | 14     | 5     | 53     | 7  | 14     | 25    | 53                | 7  | 14     | 25    |
| 54     | 6  | 13     | 33    | 24                | 36 | 14     | 6     | 54     | 6  | 14     | 25    | 54                | 6  | 14     | 25    |
| 55     | 5  | 13     | 34    | 25                | 35 | 14     | 7     | 55     | 5  | 14     | 25    | 55                | 5  | 14     | 25    |
| 56     | 4  | 13     | 34    | 26                | 34 | 14     | 8     | 56     | 4  | 14     | 25    | 56                | 4  | 14     | 25    |
| 57     | 3  | 13     | 36    | 27                | 33 | 14     | 9     | 57     | 3  | 14     | 25    | 57                | 3  | 14     | 25    |
| 58     | 2  | 13     | 37    | 28                | 32 | 14     | 10    | 58     | 2  | 14     | 25    | 58                | 2  | 14     | 25    |
| 59     | 1  | 13     | 38    | 29                | 31 | 14     | 11    | 59     | 1  | 14     | 25    | 59                | 1  | 14     | 25    |
| 0      | 0  | 13     | 40    | 30                | 30 | 14     | 12    | 0      | 0  | 14     | 25    | 0                 | 0  | 14     | 25    |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |
|        |    |        |       |                   |    |        |       |        |    |        |       |                   |    |        |       |

Tabula veri motus Solis & Lune in vna hora.

**CZinec** Signa coia o

**I**

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| numeri<br>cômu |    | adotus |      | adotus |      | adotus |      | adotus |   |
|----------------|----|--------|------|--------|------|--------|------|--------|---|
| nes.           |    | sinue  |      | sinue  |      | sinue  |      | sinue  |   |
| m              | z  | m      | z    | m      | z    | m      | z    | m      | z |
| 1              | 29 | 233    | 3018 | 214    | 3037 | 215    | 3127 |        |   |
| 2              | 28 | 233    | 3018 | 214    | 3038 | 215    | 3129 |        |   |
| 3              | 27 | 233    | 3018 | 214    | 3039 | 215    | 3132 |        |   |
| 4              | 26 | 233    | 3019 | 214    | 3040 | 215    | 3134 |        |   |
| 5              | 25 | 233    | 3019 | 214    | 3042 | 215    | 3136 |        |   |
| 6              | 24 | 233    | 3019 | 214    | 3043 | 216    | 3138 |        |   |
| 7              | 23 | 233    | 3019 | 214    | 3044 | 216    | 3141 |        |   |
| 8              | 22 | 233    | 3020 | 214    | 3046 | 216    | 3143 |        |   |
| 9              | 21 | 233    | 3020 | 214    | 3047 | 216    | 3146 |        |   |
| 10             | 20 | 233    | 3020 | 214    | 3048 | 216    | 3148 |        |   |
| 11             | 19 | 233    | 3021 | 214    | 3050 | 216    | 3151 |        |   |
| 12             | 18 | 233    | 3021 | 214    | 3051 | 216    | 3153 |        |   |
| 13             | 17 | 233    | 3022 | 214    | 3053 | 216    | 3156 |        |   |
| 14             | 16 | 233    | 3022 | 214    | 3055 | 216    | 3158 |        |   |
| 15             | 15 | 233    | 3023 | 214    | 3056 | 216    | 3211 |        |   |
| 16             | 14 | 233    | 3023 | 214    | 3058 | 216    | 3213 |        |   |
| 17             | 13 | 233    | 3024 | 214    | 3059 | 216    | 3216 |        |   |
| 18             | 12 | 233    | 3024 | 215    | 3111 | 217    | 3218 |        |   |
| 19             | 11 | 233    | 3025 | 215    | 3113 | 217    | 3221 |        |   |
| 20             | 10 | 233    | 3025 | 215    | 3115 | 217    | 3224 |        |   |
| 21             | 9  | 233    | 3026 | 215    | 3118 | 217    | 3227 |        |   |
| 22             | 8  | 233    | 3027 | 215    | 3120 | 217    | 3229 |        |   |
| 23             | 7  | 233    | 3027 | 215    | 3122 | 217    | 3232 |        |   |
| 24             | 6  | 233    | 3028 | 215    | 3124 | 217    | 3235 |        |   |
| 25             | 5  | 233    | 3029 | 215    | 3126 | 217    | 3238 |        |   |
| 26             | 4  | 233    | 3030 | 215    | 3127 | 217    | 3241 |        |   |
| 27             | 3  | 233    | 3031 | 215    | 3129 | 217    | 3244 |        |   |
| 28             | 2  | 233    | 3033 | 215    | 3131 | 217    | 3246 |        |   |
| 29             | 1  | 233    | 3034 | 215    | 3132 | 217    | 3249 |        |   |
| 30             | 0  | 234    | 3035 | 215    | 3134 | 218    | 3252 |        |   |

Residui tabule veri motus Solis & lune in vna hora.

Linee Signacoia 3

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| numeri<br>comu |    | adotus adotus |       | adotus adotus |       | adotus adotus |       |
|----------------|----|---------------|-------|---------------|-------|---------------|-------|
| nes            |    | sinue         |       | sinue         |       | sinue         |       |
| m              | z  | m             | z     | m             | z     | m             | z     |
| 1              | 19 | 2 18          | 32 45 | 2 30          | 34 17 | 2 32          | 35 32 |
| 2              | 18 | 2 18          | 32 48 | 2 30          | 34 20 | 2 32          | 35 34 |
| 3              | 17 | 2 18          | 32 51 | 2 30          | 34 23 | 2 32          | 35 37 |
| 4              | 16 | 2 18          | 32 53 | 2 30          | 34 26 | 2 32          | 35 39 |
| 5              | 15 | 2 18          | 32 56 | 2 30          | 34 29 | 2 32          | 35 41 |
| 6              | 14 | 2 18          | 32 59 | 2 30          | 34 32 | 2 32          | 35 43 |
| 7              | 13 | 2 18          | 33 2  | 2 30          | 34 35 | 2 33          | 35 45 |
| 8              | 12 | 2 18          | 33 5  | 2 30          | 34 38 | 2 33          | 35 46 |
| 9              | 11 | 2 18          | 33 8  | 2 30          | 34 41 | 2 33          | 35 48 |
| 10             | 10 | 2 18          | 33 11 | 2 30          | 34 43 | 2 33          | 35 49 |
| 11             | 19 | 2 18          | 33 14 | 2 30          | 34 46 | 2 33          | 35 51 |
| 12             | 18 | 2 19          | 33 17 | 2 31          | 34 49 | 2 33          | 35 52 |
| 13             | 17 | 2 19          | 33 20 | 2 31          | 34 52 | 2 33          | 35 53 |
| 14             | 16 | 2 19          | 33 23 | 2 31          | 34 54 | 2 33          | 35 54 |
| 15             | 15 | 2 19          | 33 27 | 2 31          | 34 57 | 2 33          | 35 55 |
| 16             | 14 | 2 19          | 33 30 | 2 31          | 35 59 | 2 33          | 35 56 |
| 17             | 13 | 2 19          | 33 33 | 2 31          | 35 2  | 2 33          | 35 56 |
| 18             | 12 | 2 19          | 33 36 | 2 32          | 35 4  | 2 33          | 35 57 |
| 19             | 11 | 2 19          | 33 39 | 2 32          | 35 7  | 2 33          | 35 59 |
| 20             | 10 | 2 19          | 33 42 | 2 32          | 35 9  | 2 33          | 35 59 |
| 21             | 9  | 2 19          | 33 46 | 2 32          | 35 11 | 2 33          | 35 0  |
| 22             | 8  | 2 19          | 33 49 | 2 32          | 35 13 | 2 33          | 36 1  |
| 23             | 7  | 2 19          | 33 52 | 2 32          | 35 16 | 2 33          | 36 1  |
| 24             | 6  | 2 19          | 33 55 | 2 32          | 35 18 | 2 33          | 36 2  |
| 25             | 5  | 2 19          | 33 58 | 2 32          | 35 20 | 2 33          | 36 2  |
| 26             | 4  | 2 19          | 34 1  | 2 32          | 35 22 | 2 33          | 36 3  |
| 27             | 3  | 2 19          | 34 5  | 2 32          | 35 25 | 2 33          | 36 3  |
| 28             | 2  | 2 19          | 34 8  | 2 32          | 35 27 | 2 33          | 36 3  |
| 29             | 1  | 2 19          | 34 11 | 2 32          | 35 29 | 2 33          | 36 4  |
| 30             | 0  | 2 30          | 34 14 | 2 32          | 35 31 | 2 33          | 36 4  |

Adde

Adde

Adde

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6

**Tabula Inventionis Temporis inter Coniunctionē & Oppo-  
sitionē Ueram & Mediam.**

|                               | ♊             |             |               |                    | ♋                  |               |                    |              |
|-------------------------------|---------------|-------------|---------------|--------------------|--------------------|---------------|--------------------|--------------|
|                               | Supera-<br>no | 27<br>hō m̄ | Dia<br>z m̄ z | 28<br>hō m̄ z m̄ z | 29<br>hō m̄ z m̄ z | Dia<br>z m̄ z | 30<br>hō m̄ z m̄ z | Dia<br>z     |
| Coniunctio<br>et<br>Oppositio | 1             | 2 13 20     | 4 46          | 2 8 34             | 4 16               | 2 4 8         | 4 8                | 2 0 0 3 52   |
|                               | 2             | 4 26 40     | 9 31          | 4 17 9             | 8 52               | 4 8 17        | 8 17               | 4 0 0 7 45   |
|                               | 3             | 6 40 0      | 14 17         | 6 25 43            | 13 18              | 6 12 25       | 12 25              | 6 0 0 11 37  |
|                               | 4             | 8 53 20     | 19 3          | 8 34 17            | 17 44              | 8 16 33       | 16 33              | 8 0 0 15 29  |
|                               | 5             | 11 6 40     | 13 13         | 10 42 51           | 22 10              | 10 20 41      | 20 11              | 10 0 0 19 21 |
|                               | 6             | 13 20 0     | 28 34         | 12 51 26           | 26 36              | 12 24 50      | 24 50              | 12 0 0 23 14 |
|                               | 7             | 15 33 20    | 33 20         | 15 0 0 31          | 2                  | 14 28 58      | 28 58              | 14 0 0 37 0  |
|                               | 8             | 17 46 4     | 36 6          | 17 8 34 35         | 28                 | 16 33 6 33    | 6                  | 16 0 0 30 58 |

**Residuum tabule inventionis temporis inter Coniun-  
ctionem & Oppositionem mediam & veram.**

|                               | ♊             |             |               |                    | ♋                  |               |               |          |
|-------------------------------|---------------|-------------|---------------|--------------------|--------------------|---------------|---------------|----------|
|                               | Supera-<br>no | 31<br>hō m̄ | Dia<br>z m̄ z | 32<br>hō m̄ z m̄ z | 33<br>hō m̄ z m̄ z | Dia<br>z m̄ z | 34<br>hō m̄ z |          |
| Coniunctio<br>et<br>Oppositio | 1             | 1 58 8      | 3 38          | 1 51 30            | 3 25               | 1 49 15       | 3 12          | 1 45 53  |
|                               | 2             | 3 51 15     | 7 15          | 3 45 0             | 6 49               | 3 38 11       | 6 25          | 3 31 46  |
|                               | 3             | 5 48 23     | 10 53         | 5 37 30            | 10 14              | 5 17 16       | 9 37          | 5 17 39  |
|                               | 4             | 7 44 31     | 41 31         | 7 30 0             | 13 38              | 7 16 22       | 12 50         | 7 3 32   |
|                               | 5             | 9 40 39     | 18 9          | 9 22 30            | 17 3               | 9 5 27        | 16 2          | 8 49 25  |
|                               | 6             | 11 36 46    | 22 46         | 11 15 0            | 20 27              | 10 54 33      | 19 15         | 10 35 18 |
|                               | 7             | 13 32 54    | 15 24         | 13 7 30            | 23 51              | 12 43 38      | 22 27         | 12 21 11 |
|                               | 8             | 15 19 2     | 2 29 2        | 15 0 0             | 17 16              | 14 32 44      | 25 40         | 14 3 4   |





**Tabule altere residui inueniendi tempus inter coniunctione  
et oppositionem media et vera solis et lune.**

| Superatio     | 31 | Dia | 32 | Dia | 33 | Dia | 34 | Dia |    |    |    |   |    |    |    |   |   |
|---------------|----|-----|----|-----|----|-----|----|-----|----|----|----|---|----|----|----|---|---|
|               | m  | m   | z  | m   | z  | m   | z  | m   | z  | m  | z  | m | z  | m  | z  | m | z |
| Zon<br>Grande | 1  | I   | 56 | 0   | 4  | I   | 52 | 0   | 3  | I  | 49 | 0 | 3  | I  | 46 |   |   |
|               | 2  | 3   | 52 | 0   | 7  | 3   | 45 | 0   | 7  | 3  | 38 | 0 | 6  | 3  | 32 |   |   |
|               | 3  | 5   | 48 | 0   | 11 | 5   | 37 | 0   | 10 | 5  | 27 | 0 | 9  | 5  | 18 |   |   |
|               | 4  | 7   | 45 | 0   | 15 | 7   | 30 | 0   | 14 | 7  | 16 | 0 | 12 | 7  | 4  |   |   |
|               | 5  | 9   | 41 | 0   | 19 | 9   | 22 | 0   | 17 | 9  | 5  | 0 | 16 | 8  | 49 |   |   |
|               | 6  | 11  | 37 | 0   | 22 | 11  | 15 | 0   | 20 | 10 | 55 | 0 | 20 | 10 | 35 |   |   |
|               | 7  | 13  | 33 | 0   | 26 | 13  | 7  | 0   | 23 | 12 | 44 | 0 | 23 | 12 | 21 |   |   |
|               | 8  | 15  | 29 | 0   | 29 | 15  | 0  | 0   | 27 | 14 | 33 | 0 | 26 | 18 | 7  |   |   |
|               | 9  | 17  | 25 | 0   | 33 | 16  | 52 | 0   | 30 | 16 | 22 | 0 | 29 | 15 | 53 |   |   |
|               | 10 | 19  | 21 | 0   | 36 | 18  | 45 | 0   | 33 | 18 | 11 | 0 | 32 | 17 | 39 |   |   |
|               | 11 | 21  | 17 | 0   | 40 | 20  | 37 | 0   | 37 | 20 | 0  | 0 | 35 | 19 | 25 |   |   |
|               | 12 | 23  | 14 | 0   | 44 | 22  | 30 | 0   | 41 | 21 | 49 | 0 | 38 | 22 | 11 |   |   |
|               | 13 | 25  | 10 | 0   | 48 | 24  | 22 | 0   | 44 | 23 | 38 | 0 | 41 | 24 | 56 |   |   |
|               | 14 | 27  | 6  | 0   | 51 | 26  | 15 | 0   | 48 | 25 | 27 | 0 | 45 | 26 | 42 |   |   |
|               | 15 | 29  | 2  | 0   | 55 | 28  | 7  | 0   | 51 | 27 | 16 | 0 | 48 | 28 | 26 |   |   |
|               | 16 | 30  | 58 | 0   | 58 | 30  | 0  | 0   | 55 | 29 | 5  | 0 | 51 | 30 | 14 |   |   |
|               | 17 | 32  | 54 | 1   | 2  | 31  | 52 | 0   | 57 | 30 | 55 | 0 | 55 | 31 | 0  |   |   |
|               | 18 | 34  | 50 | 1   | 5  | 33  | 45 | 1   | 1  | 32 | 44 | 1 | 58 | 33 | 46 |   |   |
|               | 19 | 39  | 46 | 1   | 9  | 35  | 37 | 1   | 4  | 34 | 33 | 1 | 1  | 35 | 32 |   |   |
|               | 20 | 38  | 43 | 1   | 13 | 37  | 30 | 1   | 8  | 36 | 22 | 1 | 4  | 38 | 18 |   |   |
|               | 21 | 40  | 39 | 1   | 17 | 39  | 22 | 1   | 12 | 38 | 11 | 1 | 7  | 40 | 4  |   |   |
|               | 22 | 42  | 35 | 1   | 20 | 41  | 15 | 1   | 15 | 40 | 0  | 1 | 11 | 42 | 49 |   |   |
|               | 23 | 44  | 31 | 1   | 24 | 43  | 7  | 1   | 18 | 42 | 49 | 1 | 14 | 44 | 35 |   |   |
|               | 24 | 46  | 27 | 1   | 27 | 45  | 0  | 1   | 22 | 43 | 38 | 1 | 17 | 46 | 21 |   |   |
|               | 25 | 48  | 24 | 1   | 31 | 46  | 52 | 1   | 25 | 45 | 27 | 1 | 20 | 48 | 7  |   |   |
|               | 26 | 50  | 20 | 1   | 35 | 48  | 55 | 1   | 29 | 47 | 16 | 1 | 23 | 50 | 19 |   |   |
|               | 27 | 52  | 16 | 1   | 39 | 50  | 37 | 1   | 32 | 49 | 5  | 1 | 26 | 52 | 39 |   |   |
|               | 28 | 54  | 12 | 1   | 42 | 52  | 30 | 1   | 35 | 50 | 55 | 1 | 30 | 54 | 25 |   |   |
|               | 29 | 56  | 8  | 1   | 46 | 54  | 22 | 1   | 38 | 52 | 44 | 1 | 33 | 56 | 11 |   |   |
|               | 30 | 58  | 4  | 1   | 49 | 56  | 15 | 1   | 42 | 54 | 33 | 1 | 37 | 58 | 56 |   |   |
|               | 31 | 60  | 0  | 1   | 53 | 58  | 7  | 1   | 45 | 56 | 22 | 1 | 40 | 60 | 42 |   |   |
|               | 32 |     |    |     | 56 | 60  | 0  | 1   | 49 | 58 | 11 | 1 | 43 | 62 | 28 |   |   |
|               | 33 |     |    |     |    |     |    |     | 51 | 60 | 0  | 1 | 46 | 64 | 14 |   |   |
|               | 34 |     |    |     |    |     |    |     |    |    |    |   | 49 | 66 | 0  |   |   |

**Tabula coniunctionū Saturni et Jovis post incarnationē Christi,  
secundū mediū motū: per tabulas Alfonsi notate.**

| Coniunctio |    |    |    |    |    |        |   |    |    | ♄ ♃ |    |    |   |    |    |    |    |   |   |
|------------|----|----|----|----|----|--------|---|----|----|-----|----|----|---|----|----|----|----|---|---|
| Anni       | m  | d  | h  | m  | s  | ctones | 4 | 5  | 2  | I   | m  | 2  | 3 | 4  | 5  | 6  | 7  | 8 | 9 |
| 13         | II | 25 | 2  | 4  | 0  | I      | 0 | I  | 25 | 7   | 5  | 10 | 4 | 5  | 9  | 34 | 44 | ⚹ |   |
| 33         | IO | 3  | 17 | 3  | 36 | 2      | 0 | 3  | 16 | 0   | 42 | 39 | 2 | 8  | 7  | 56 | 36 | ⚹ |   |
| 53         | 8  | 13 | 8  | 3  | 12 | 3      | 0 | 5  | 16 | 54  | 20 | 8  | 0 | II | 6  | 18 | 28 | ⚹ |   |
| 73         | 6  | 23 | 23 | 2  | 48 | 4      | 0 | 7  | 17 | 47  | 57 | 37 | 4 | 14 | 4  | 40 | 20 | ⚹ |   |
| 93         | 5  | 2  | 14 | 2  | 24 | 5      | 0 | 9  | 18 | 41  | 35 | 6  | 2 | 17 | 3  | 2  | 12 | ⚹ |   |
| 113        | 3  | 11 | 5  | 2  | 0  | 6      | 0 | II | 19 | 35  | 12 | 35 | 0 | 20 | 1  | 24 | 4  | ⚹ |   |
| 133        | I  | 19 | 10 | 16 | 0  | 7      | 0 | 13 | 30 | 28  | 50 | 40 | 4 | 22 | 59 | 45 | 56 | ⚹ |   |
| 152        | II | 30 | II | I  | 12 | 8      | 0 | 15 | 31 | 22  | 27 | 33 | 2 | 25 | 58 | 7  | 48 | ⚹ |   |
| 172        | IO | 9  | 2  | 0  | 48 | 9      | 0 | 17 | 32 | 16  | 5  | 2  | 0 | 28 | 56 | 29 | 40 | ⚹ |   |
| 192        | 8  | 18 | 17 | 0  | 24 | 10     | 0 | 19 | 33 | 9   | 42 | 31 | 4 | 31 | 54 | 51 | 32 | ⚹ |   |
| 112        | 6  | 29 | 8  | 0  | 0  | II     | 0 | 21 | 34 | 3   | 20 | 0  | 2 | 34 | 53 | 13 | 24 | ⚹ |   |
| 232        | 5  | 7  | 22 | 59 | 36 | 12     | 0 | 23 | 34 | 56  | 57 | 29 | 0 | 37 | 51 | 35 | 16 | ⚹ |   |
| 252        | 3  | 17 | 13 | 59 | 12 | 13     | 0 | 25 | 35 | 50  | 34 | 58 | 4 | 0  | 49 | 57 | 8  | ⚹ |   |
| 272        | 1  | 25 | 4  | 58 | 48 | 14     | 0 | 27 | 36 | 44  | 12 | 27 | 2 | 43 | 48 | 19 | 0  | ⚹ |   |
| 292        | 0  | 4  | 19 | 58 | 24 | 15     | 0 | 29 | 37 | 37  | 49 | 56 | 0 | 46 | 46 | 40 | 52 | ⚹ |   |
| 312        | IO | 14 | 10 | 58 | 0  | 16     | 0 | 31 | 38 | 31  | 27 | 25 | 4 | 49 | 45 | 2  | 44 | ⚹ |   |
| 332        | 8  | 24 | I  | 57 | 36 | 17     | 0 | 33 | 39 | 25  | 4  | 54 | 2 | 52 | 43 | 24 | 36 | ⚹ |   |
| 352        | 7  | 3  | 16 | 57 | 12 | 18     | 0 | 35 | 40 | 18  | 42 | 23 | 0 | 55 | 41 | 46 | 28 | ⚹ |   |
| 372        | 5  | 13 | 7  | 56 | 48 | 19     | 0 | 37 | 41 | 12  | 19 | 52 | 4 | 58 | 40 | 8  | 20 | ⚹ |   |
| 392        | 3  | 22 | 22 | 56 | 24 | 20     | 0 | 39 | 42 | 5   | 57 | 21 | 3 | 1  | 38 | 30 | 12 | ⚹ |   |
| 412        | 2  | 2  | 13 | 56 | 0  | 21     | 0 | 41 | 42 | 59  | 34 | 50 | 1 | 4  | 36 | 52 | 4  | ⚹ |   |
| 432        | 0  | 11 | 4  | 55 | 36 | 22     | 0 | 43 | 43 | 53  | 11 | 19 | 5 | 7  | 35 | 13 | 56 | ⚹ |   |
| 450        | IO | 20 | 19 | 55 | 12 | 23     | 0 | 45 | 44 | 46  | 49 | 48 | 3 | 10 | 33 | 35 | 48 | ⚹ |   |
| 470        | 9  | 0  | 10 | 54 | 48 | 24     | 0 | 47 | 45 | 40  | 27 | 17 | 1 | 13 | 31 | 57 | 40 | ⚹ |   |
| 490        | 7  | 10 | 1  | 54 | 24 | 25     | 0 | 49 | 46 | 34  | 4  | 46 | 5 | 16 | 30 | 19 | 32 | ⚹ |   |
| 510        | 5  | 19 | 16 | 54 | 0  | 26     | 0 | 51 | 47 | 27  | 42 | 15 | 3 | 19 | 28 | 41 | 24 | ⚹ |   |
| 530        | 3  | 29 | 7  | 53 | 36 | 27     | 0 | 53 | 48 | 21  | 19 | 44 | 1 | 22 | 27 | 3  | 16 | ⚹ |   |
| 550        | 2  | 8  | 22 | 53 | 12 | 28     | 0 | 55 | 49 | 14  | 57 | 13 | 5 | 25 | 25 | 25 | 8  | ⚹ |   |
| 570        | 0  | 16 | 13 | 52 | 48 | 29     | 0 | 57 | 50 | 8   | 34 | 42 | 3 | 28 | 23 | 47 | 0  | ⚹ |   |
| 580        | IO | 26 | 4  | 52 | 24 | 30     | 0 | 59 | 51 | 2   | 11 | 11 | 1 | 31 | 22 | 8  | 52 | ⚹ |   |
| 609        | 9  | 5  | 19 | 52 | 0  | 31     | I | I  | 51 | 55  | 49 | 40 | 5 | 34 | 20 | 30 | 44 | ⚹ |   |
| 629        | 7  | 15 | 10 | 51 | 36 | 32     | I | 3  | 52 | 49  | 27 | 9  | 3 | 37 | 18 | 52 | 36 | ⚹ |   |
| 649        | 5  | 25 | I  | 51 | 12 | 33     | I | 5  | 53 | 43  | 4  | 38 | 1 | 40 | 17 | 14 | 28 | ⚹ |   |
| 669        | 4  | 4  | 16 | 50 | 48 | 34     | I | 7  | 54 | 36  | 42 | 7  | 5 | 43 | 15 | 36 | 20 | ⚹ |   |
| 689        | 2  | 14 | 7  | 50 | 24 | 35     | I | 9  | 55 | 30  | 19 | 36 | 3 | 46 | 13 | 58 | 12 | ⚹ |   |
| 709        | 0  | 21 | 22 | 50 | 0  | 36     | I | II | 56 | 23  | 57 | 5  | 1 | 49 | 12 | 20 | 4  | ⚹ |   |

Tabula coniunctionū Saturni & Iouis post incarnationē Christi.  
secundū mediū motū: per tabulas Alfonsi notate.

| [Coniun.] |    |    |    |    |    |        |   |    |    |    |    |    |   |   |    | ♄ ♅ |    |    |     |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------|----|----|----|----|----|--------|---|----|----|----|----|----|---|---|----|-----|----|----|-----|--|--|--|--|--|--|--|--|--|--|--|--|
| anni      | m  | di | hō | m  | z  | ctones | 4 | 5  | 2  | 1  | m  | 2  | 5 | 6 | m  | 2   | 5  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |
| 728       | II | I  | 13 | 49 | 36 | 37     | 1 | 13 | 57 | 17 | 34 | 34 |   | 5 | 52 | 10  | 41 | 56 | X   |  |  |  |  |  |  |  |  |  |  |  |  |
| 748       | 9  | II | 4  | 49 | 12 | 38     | 1 | 15 | 58 | II | 12 | 3  |   | 3 | 15 | 9   | 3  | 48 | m   |  |  |  |  |  |  |  |  |  |  |  |  |
| 768       | 7  | 10 | 19 | 48 | 48 | 39     | 1 | 17 | 59 | 4  | 49 | 32 |   | 1 | 58 | 7   | 25 | 40 | 69  |  |  |  |  |  |  |  |  |  |  |  |  |
| 788       | 6  | 0  | 10 | 48 | 24 | 40     | 1 | 19 | 59 | 58 | 27 | 1  |   | 0 | 1  | 5   | 47 | 32 | Y   |  |  |  |  |  |  |  |  |  |  |  |  |
| 808       | 4  | 10 | 1  | 48 | 0  | 41     | 1 | 22 | 0  | 52 | 4  | 30 |   | 4 | 4  | 4   | 9  | 24 | T   |  |  |  |  |  |  |  |  |  |  |  |  |
| 828       | 2  | 19 | 16 | 47 | 36 | 42     | 1 | 24 | 1  | 45 | 41 | 59 |   | 2 | 7  | 2   | 31 | 16 | Ω   |  |  |  |  |  |  |  |  |  |  |  |  |
| 848       | 0  | 17 | 7  | 47 | 12 | 43     | 1 | 26 | 2  | 39 | 19 | 28 |   | 0 | 10 | 0   | 53 | 8  | V   |  |  |  |  |  |  |  |  |  |  |  |  |
| 867       | II | 6  | 22 | 46 | 48 | 44     | 1 | 28 | 3  | 32 | 56 | 57 |   | 4 | 12 | 59  | 15 | 0  | T   |  |  |  |  |  |  |  |  |  |  |  |  |
| 887       | 9  | 16 | 13 | 46 | 24 | 45     | 1 | 30 | 4  | 26 | 34 | 26 |   | 2 | 15 | 57  | 36 | 52 | Ω   |  |  |  |  |  |  |  |  |  |  |  |  |
| 907       | 7  | 16 | 4  | 46 | 0  | 46     | 1 | 32 | 5  | 20 | II | 55 |   | 0 | 18 | 55  | 58 | 44 | Y   |  |  |  |  |  |  |  |  |  |  |  |  |
| 927       | 6  | 5  | 19 | 45 | 36 | 47     | 1 | 34 | 6  | 13 | 46 | 24 |   | 4 | 21 | 54  | 20 | 36 | T   |  |  |  |  |  |  |  |  |  |  |  |  |
| 947       | 4  | 15 | 10 | 45 | 12 | 48     | 1 | 36 | 7  | 7  | 26 | 53 |   | 2 | 14 | 52  | 42 | 28 | Ω   |  |  |  |  |  |  |  |  |  |  |  |  |
| 967       | 2  | 15 | 1  | 44 | 48 | 49     | 1 | 38 | 8  | 1  | 4  | 22 |   | 0 | 27 | 51  | 4  | 20 | Y   |  |  |  |  |  |  |  |  |  |  |  |  |
| 987       | 1  | 2  | 16 | 44 | 24 | 50     | 1 | 40 | 8  | 54 | 41 | 51 |   | 4 | 30 | 49  | 26 | 12 | ♂   |  |  |  |  |  |  |  |  |  |  |  |  |
| 1006      | II | 13 | 7  | 44 | 0  | 51     | 1 | 42 | 9  | 48 | 19 | 20 |   | 2 | 33 | 47  | 48 | 4  | mp  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1026      | 9  | 22 | 22 | 43 | 36 | 52     | 1 | 44 | 10 | 41 | 56 | 49 |   | 0 | 36 | 46  | 9  | 56 | ♂   |  |  |  |  |  |  |  |  |  |  |  |  |
| 1046      | 8  | 1  | 13 | 43 | 12 | 53     | 1 | 46 | II | 35 | 34 | 18 |   | 4 | 39 | 44  | 31 | 48 | ♂   |  |  |  |  |  |  |  |  |  |  |  |  |
| 1066      | 6  | 12 | 4  | 42 | 48 | 54     | 1 | 48 | 12 | 29 | II | 47 |   | 2 | 42 | 42  | 53 | 40 | mp  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1086      | 4  | 21 | 19 | 42 | 24 | 55     | 1 | 50 | 13 | 22 | 49 | 16 |   | 0 | 45 | 41  | 15 | 32 | ♂   |  |  |  |  |  |  |  |  |  |  |  |  |
| 1106      | 3  | 0  | 10 | 42 | 0  | 56     | 1 | 52 | 14 | 16 | 26 | 45 |   | 4 | 48 | 39  | 37 | 24 | ♂   |  |  |  |  |  |  |  |  |  |  |  |  |
| 1126      | I  | 9  | 1  | 42 | 36 | 57     | 1 | 54 | 15 | 10 | 4  | 14 |   | 2 | 51 | 37  | 59 | 16 | mp  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1145      | II | 18 | 19 | 41 | 12 | 58     | 1 | 56 | 16 | 3  | 41 | 43 |   | 0 | 54 | 36  | 21 | 8  | ♂   |  |  |  |  |  |  |  |  |  |  |  |  |
| 1165      | 9  | 28 | 7  | 40 | 48 | 59     | 1 | 58 | 16 | 57 | 19 | 12 |   | 4 | 57 | 34  | 43 | 0  | ♂   |  |  |  |  |  |  |  |  |  |  |  |  |
| 1185      | 8  | 6  | 22 | 40 | 24 | 60     | 2 | 0  | 17 | 50 | 56 | 41 |   | 3 | 0  | 33  | 4  | 52 | ♂   |  |  |  |  |  |  |  |  |  |  |  |  |
| 1205      | 6  | 17 | 13 | 40 | 0  | 61     | 2 | 2  | 18 | 44 | 34 | 10 |   | 1 | 3  | 31  | 26 | 44 | II  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1225      | 4  | 27 | 4  | 39 | 36 | 62     | 2 | 4  | 19 | 38 | II | 39 |   | 5 | 6  | 29  | 48 | 36 | III |  |  |  |  |  |  |  |  |  |  |  |  |
| 1245      | 3  | 5  | 19 | 39 | 12 | 63     | 2 | 6  | 20 | 31 | 49 | 8  |   | 3 | 9  | 28  | 10 | 28 | IV  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1265      | 1  | 14 | 10 | 38 | 48 | 64     | 2 | 8  | 21 | 25 | 26 | 37 |   | 1 | 12 | 26  | 32 | 20 | II  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1284      | II | 24 | 1  | 38 | 24 | 65     | 2 | 10 | 22 | 19 | 4  | 6  |   | 5 | 15 | 24  | 54 | 12 | III |  |  |  |  |  |  |  |  |  |  |  |  |
| 1304      | 10 | 2  | 16 | 38 | 0  | 66     | 2 | 12 | 23 | 12 | 41 | 35 |   | 3 | 18 | 23  | 16 | 4  | IV  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1324      | 8  | 12 | 7  | 37 | 36 | 67     | 2 | 14 | 24 | 6  | 19 | 4  |   | 1 | 21 | 21  | 37 | 56 | II  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1344      | 6  | 22 | 22 | 37 | 12 | 68     | 2 | 16 | 24 | 59 | 56 | 33 |   | 5 | 24 | 19  | 59 | 48 | III |  |  |  |  |  |  |  |  |  |  |  |  |
| 1364      | 5  | 1  | 13 | 36 | 48 | 69     | 2 | 18 | 25 | 53 | 34 | 2  |   | 3 | 27 | 18  | 21 | 40 | IV  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1384      | 3  | II | 4  | 36 | 24 | 70     | 2 | 20 | 26 | 47 | II | 31 |   | 1 | 30 | 16  | 43 | 32 | 69  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1404      | 1  | 18 | 19 | 36 | 0  | 71     | 2 | 22 | 27 | 40 | 49 | 0  |   | 5 | 33 | 15  | 5  | 24 | X   |  |  |  |  |  |  |  |  |  |  |  |  |
| 1423      | II | 29 | 10 | 35 | 36 | 72     | 2 | 24 | 28 | 34 | 26 | 29 |   | 3 | 36 | 13  | 17 | 16 | m   |  |  |  |  |  |  |  |  |  |  |  |  |

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4 - o 2 - 48 - 21 - 51 - 26

6 4 - 04 - 04 - 19 - 28 - 26

**Residua tabule Coniunctionu Saturni & Jouis post incarnatione  
Christi secundu mediū motū: per tabulas Alfonsi notataz**

|      |    | Coniun. |    | ♄ ♅ |    |         |   |    |    |    |    |    |   |
|------|----|---------|----|-----|----|---------|---|----|----|----|----|----|---|
| Anni | m  | di      | hō | m   | z  | ctiones | 4 | 5  | z  | i  | m  | z  | z |
| 1443 | 10 | 8       | 1  | 35  | 12 | 73      | 2 | 16 | 29 | 28 | 3  | 58 | 1 |
| 1463 | 8  | 17      | 16 | 34  | 48 | 74      | 2 | 28 | 30 | 21 | 41 | 27 | 5 |
| 1483 | 6  | 28      | 7  | 34  | 24 | 75      | 2 | 30 | 31 | 15 | 18 | 56 | 3 |
| 1503 | 5  | 6       | 22 | 34  | 0  | 76      | 2 | 32 | 32 | 8  | 56 | 25 | 1 |
| 1523 | 3  | 16      | 13 | 33  | 36 | 77      | 2 | 34 | 33 | 2  | 33 | 54 | 5 |
| 1543 | 1  | 25      | 4  | 33  | 12 | 78      | 2 | 36 | 33 | 56 | 11 | 23 | 3 |
| 1563 | 0  | 4       | 19 | 32  | 48 | 79      | 2 | 38 | 34 | 49 | 48 | 52 | 1 |
| 1582 | 10 | 14      | 10 | 32  | 24 | 80      | 2 | 40 | 35 | 43 | 26 | 21 | 0 |

**Tabula Coniunctionu Saturni & Martis post incarnatione Christi  
secundū mediū motū: per tabulas Alfonsi notataz**

|      |    | Coniun. |    | ♄ ♅ |    |         |   |    |    |    |    |    |   |
|------|----|---------|----|-----|----|---------|---|----|----|----|----|----|---|
| Anni | m  | di      | hō | m   | z  | ctiones | 4 | 5  | z  | i  | m  | z  | z |
| 0    | 2  | 7       | 14 | 0   | 24 | Radix   | 0 | 0  | 1  | 6  | 35 | 1  | 1 |
| 60   | 5  | 15      | 17 | 42  | 24 | 30      | 0 | 6  | 8  | 1  | 44 | 16 | 1 |
| 120  | 8  | 23      | 21 | 24  | 24 | 60      | 0 | 12 | 14 | 56 | 53 | 31 | 1 |
| 181  | 0  | 2       | 1  | 6   | 24 | 90      | 0 | 18 | 21 | 52 | 2  | 46 | 2 |
| 241  | 3  | 12      | 4  | 48  | 24 | 120     | 0 | 24 | 28 | 47 | 12 | 1  | 2 |
| 301  | 6  | 21      | 8  | 30  | 24 | 150     | 0 | 30 | 35 | 42 | 21 | 16 | 2 |
| 361  | 9  | 29      | 12 | 12  | 24 | 180     | 0 | 36 | 42 | 37 | 30 | 31 | 3 |
| 422  | 1  | 6       | 15 | 54  | 24 | 210     | 0 | 42 | 49 | 32 | 39 | 46 | 3 |
| 482  | 4  | 17      | 19 | 36  | 24 | 240     | 0 | 48 | 56 | 27 | 49 | 1  | 3 |
| 542  | 7  | 25      | 23 | 18  | 24 | 270     | 0 | 55 | 3  | 22 | 58 | 16 | 3 |
| 602  | 11 | 4       | 3  | 0   | 24 | 300     | 1 | 1  | 10 | 18 | 7  | 31 | 4 |
| 663  | 2  | 13      | 6  | 42  | 24 | 330     | 1 | 7  | 17 | 13 | 16 | 46 | 4 |
| 723  | 5  | 21      | 10 | 24  | 24 | 360     | 1 | 13 | 24 | 8  | 26 | 1  | 4 |
| 783  | 8  | 29      | 14 | 6   | 24 | 390     | 1 | 19 | 31 | 3  | 35 | 16 | 5 |
| 844  | 0  | 7       | 17 | 48  | 24 | 420     | 1 | 25 | 37 | 58 | 44 | 31 | 5 |
| 904  | 3  | 17      | 21 | 30  | 24 | 450     | 1 | 31 | 44 | 53 | 53 | 46 | 5 |
| 964  | 6  | 27      | 1  | 12  | 24 | 480     | 1 | 37 | 51 | 49 | 3  | 1  | 5 |
| 1024 | 10 | 4       | 4  | 54  | 24 | 510     | 1 | 43 | 58 | 44 | 12 | 16 | 0 |
| 1085 | 1  | 12      | 8  | 36  | 24 | 540     | 1 | 50 | 5  | 39 | 21 | 31 | 0 |
| 1145 | 4  | 23      | 12 | 18  | 24 | 570     | 1 | 56 | 12 | 34 | 30 | 46 | 0 |
| 1205 | 8  | 0       | 16 | 0   | 24 | 600     | 2 | 2  | 19 | 29 | 40 | 1  | 1 |
| 1265 | 11 | 9       | 19 | 42  | 24 | 630     | 2 | 8  | 26 | 24 | 49 | 16 | 1 |
| 1326 | 2  | 19      | 23 | 24  | 24 | 660     | 2 | 14 | 33 | 19 | 58 | 31 | 1 |
| 1386 | 5  | 28      | 3  | 6   | 24 | 690     | 2 | 20 | 40 | 15 | 7  | 46 | 1 |
| 1446 | 9  | 6       | 6  | 48  | 24 | 720     | 2 | 26 | 47 | 10 | 17 | 1  | 2 |

**Residuum tabule Coniunctionis Saturni et Martis post incarnationem  
Christi secundum medium motu: per tabulas Alfonsi notataz**

|      |   |    |    |    | Coniun. | σ h σ   |   |    |    |    |    |    |   |    |    |     |    |     |
|------|---|----|----|----|---------|---------|---|----|----|----|----|----|---|----|----|-----|----|-----|
| Anni | m | di | hō | m  | z       | ctiones | 4 | 5  | z  | I  | m  | z  | 5 | 5  | m  | z   | 5  |     |
| 1507 | 0 | 14 | 10 | 30 | 24      | 750     | 2 | 32 | 54 | 5  | 26 | 16 | 1 | 32 | 12 | 48  | 8  | np. |
| 1567 | 3 | 23 | 14 | 12 | 24      | 780     | 2 | 39 | 1  | 0  | 35 | 31 | 1 | 49 | 38 | 56  | 53 | np. |
| 1627 | 7 | 1  | 17 | 54 | 24      | 810     | 2 | 45 | 7  | 55 | 44 | 46 | 3 | 7  | 5  | 538 | α  |     |

**Tabula Coniunctionis Saturni et Martis expansarum post incarnationem  
Christi secundum medium motu: per tabulas Alfonsi verificataz.**

| Anni m di h m s |   |    |    |    |    | Coniun |    | α |    | h α |    | ctiones |    |    |    |    |    |    |    |    |
|-----------------|---|----|----|----|----|--------|----|---|----|-----|----|---------|----|----|----|----|----|----|----|----|
| 1               | 2 | 3  | 4  | 5  | 6  | 7      | 8  | 9 | 10 | 11  | 12 | 13      | 14 | 15 | 16 | 17 | 18 |    |    |    |
| 2               | 0 | 3  | 10 | 7  | 12 |        | 1  | 0 | 0  | 12  | 13 | 50      | 18 |    | 0  | 24 | 34 | 52 | 17 | Y  |
| 4               | 0 | 6  | 16 | 14 | 48 |        | 2  | 0 | 0  | 24  | 27 | 40      | 37 |    | 0  | 49 | 9  | 44 | 35 | Y  |
| 6               | 0 | 10 | 12 | 22 | 0  |        | 3  | 0 | 0  | 36  | 41 | 30      | 55 |    | 1  | 13 | 44 | 36 | 52 | II |
| 8               | 0 | 13 | 8  | 29 | 36 |        | 4  | 0 | 0  | 48  | 55 | 21      | 14 |    | 1  | 38 | 19 | 29 | 10 | α  |
| 10              | 0 | 17 | 4  | 36 | 48 |        | 5  | 0 | 1  | 1   | 9  | 11      | 32 |    | 2  | 2  | 54 | 21 | 27 | α  |
| 12              | 0 | 20 | 0  | 44 | 24 |        | 6  | 0 | 1  | 13  | 23 | 1       | 51 |    | 2  | 17 | 29 | 13 | 45 | α  |
| 14              | 0 | 23 | 20 | 51 | 36 |        | 7  | 0 | 1  | 25  | 36 | 52      | 9  |    | 2  | 51 | 4  | 6  | 2  | np |
| 16              | 0 | 26 | 16 | 59 | 12 |        | 8  | 0 | 1  | 37  | 50 | 42      | 28 |    | 3  | 16 | 30 | 58 | 20 | α  |
| 18              | 0 | 30 | 13 | 6  | 24 |        | 9  | 0 | 1  | 50  | 4  | 32      | 46 |    | 3  | 41 | 16 | 50 | 37 | m  |
| 20              | 1 | 2  | 9  | 14 | 0  |        | 10 | 0 | 2  | 2   | 18 | 23      | 5  |    | 4  | 5  | 48 | 42 | 55 | Y  |
| 22              | 1 | 6  | 5  | 21 | 12 |        | 11 | 0 | 2  | 14  | 32 | 13      | 23 |    | 4  | 30 | 23 | 35 | 12 | Y  |
| 24              | 1 | 9  | 1  | 28 | 48 |        | 12 | 0 | 2  | 16  | 46 | 3       | 42 |    | 4  | 54 | 58 | 27 | 30 | α  |
| 26              | 1 | 12 | 21 | 36 | 0  |        | 13 | 0 | 2  | 38  | 59 | 54      | 0  |    | 5  | 19 | 33 | 19 | 47 | α  |
| 28              | 1 | 15 | 17 | 43 | 36 |        | 14 | 0 | 2  | 51  | 13 | 44      | 19 |    | 5  | 44 | 8  | 12 | 5  | X  |
| 30              | 1 | 19 | 13 | 50 | 48 |        | 15 | 0 | 3  | 3   | 27 | 34      | 37 |    | 0  | 8  | 43 | 4  | 22 | Y  |
| 32              | 1 | 22 | 9  | 58 | 24 |        | 16 | 0 | 3  | 15  | 41 | 24      | 56 |    | 0  | 3  | 17 | 56 | 40 | Y  |
| 34              | 1 | 26 | 6  | 5  | 36 |        | 17 | 0 | 3  | 27  | 55 | 15      | 14 |    | 0  | 57 | 52 | 48 | 57 | Y  |
| 36              | 2 | 1  | 2  | 13 | 12 |        | 18 | 0 | 3  | 40  | 9  | 5       | 33 |    | 1  | 22 | 27 | 41 | 15 | II |
| 38              | 2 | 4  | 22 | 20 | 24 |        | 19 | 0 | 3  | 52  | 22 | 55      | 51 |    | 1  | 47 | 2  | 33 | 32 | α  |
| 40              | 2 | 7  | 18 | 28 | 0  |        | 20 | 0 | 4  | 4   | 36 | 46      | 10 |    | 2  | 11 | 37 | 25 | 50 | α  |
| 42              | 2 | 11 | 14 | 35 | 12 |        | 21 | 0 | 4  | 16  | 50 | 36      | 28 |    | 2  | 36 | 12 | 18 | 7  | np |
| 44              | 2 | 14 | 10 | 42 | 48 |        | 22 | 0 | 4  | 29  | 4  | 16      | 47 |    | 3  | 0  | 47 | 10 | 25 | np |
| 46              | 2 | 18 | 6  | 50 | 0  |        | 23 | 0 | 4  | 41  | 18 | 17      | 5  |    | 3  | 25 | 22 | 2  | 42 | np |
| 48              | 2 | 21 | 2  | 57 | 36 |        | 24 | 0 | 4  | 53  | 32 | 7       | 24 |    | 3  | 49 | 56 | 55 | 0  | m  |
| 50              | 2 | 24 | 23 | 4  | 48 |        | 25 | 0 | 5  | 5   | 45 | 57      | 42 |    | 4  | 14 | 31 | 47 | 17 | Y  |
| 52              | 2 | 27 | 19 | 12 | 24 |        | 26 | 0 | 5  | 17  | 59 | 48      | 1  |    | 4  | 39 | 6  | 39 | 35 | α  |
| 54              | 3 | 0  | 15 | 19 | 36 |        | 27 | 0 | 5  | 30  | 13 | 38      | 19 |    | 5  | 3  | 41 | 31 | 52 | α  |
| 56              | 3 | 3  | 11 | 27 | 12 |        | 28 | 0 | 5  | 42  | 27 | 28      | 38 |    | 5  | 28 | 16 | 24 | 10 | α  |
| 58              | 3 | 7  | 7  | 34 | 24 |        | 29 | 0 | 5  | 54  | 41 | 18      | 56 |    | 5  | 52 | 51 | 16 | 27 | X  |
| 60              | 3 | 10 | 3  | 42 | 0  |        | 30 | 0 | 6  | 6   | 55 | 9       | 15 |    | 0  | 17 | 26 | 8  | 45 | Y  |

**Tabula Coniunctionū Bonis et Mārtis post incarnationē Christi  
secundū mediū motū per tabulas Alfonsi notatay**

| Coniun |    |    |    |    |    | ♂ ♃ ♄   |   |    |    |    |    |    |   |    |    |    |    |    |   |
|--------|----|----|----|----|----|---------|---|----|----|----|----|----|---|----|----|----|----|----|---|
| Anni   | m  | di | hō | m  | z  | aciones | 4 | 5  | z  | i  | m  | z  | 5 | 6  | m  | z  | 5  |    |   |
| 0      | 10 | 11 | 16 | 23 | 12 | Radix   | 0 | 0  | 5  | 15 | 40 | 58 | 0 | 16 | 51 | 51 | 13 | Y  |   |
| 45     | 6  | 27 | 9  | 43 | 12 | 20      | 0 | 4  | 37 | 24 | 24 | 18 | 2 | 4  | 13 | 24 | 18 | Q  |   |
| 90     | 3  | 11 | 3  | 2  | 43 | 40      | 0 | 9  | 9  | 33 | 7  | 37 | 0 | 41 | 34 | 57 | 13 | 8  |   |
| 134    | 11 | 24 | 20 | 22 | 24 | 60      | 0 | 13 | 41 | 47 | 50 | 56 | 4 | 18 | 56 | 30 | 29 | ≡  |   |
| 179    | 8  | 8  | 13 | 42 | 24 | 80      | 0 | 18 | 13 | 50 | 34 | 16 | 3 | 56 | 18 | 3  | 34 | m  |   |
| 224    | 4  | 23 | 7  | 2  | 0  | 100     | 0 | 22 | 45 | 59 | 17 | 35 | 2 | 33 | 39 | 36 | 39 | np |   |
| 269    | 1  | 5  | 0  | 21 | 36 | 120     | 0 | 27 | 18 | 8  | 0  | 54 | 1 | 11 | 1  | 9  | 45 | II |   |
| 313    | 9  | 20 | 17 | 41 | 36 | 140     | 0 | 31 | 50 | 16 | 44 | 14 | 5 | 48 | 22 | 42 | 50 | X  |   |
| 358    | 6  | 5  | 11 | 1  | 12 | 160     | 0 | 36 | 22 | 25 | 27 | 33 | 4 | 25 | 44 | 15 | 55 | ⊕  |   |
| 403    | 2  | 20 | 4  | 10 | 48 | 180     | 0 | 40 | 54 | 34 | 10 | 52 | 3 | 3  | 5  | 49 | 1  | ⊖  |   |
| 447    | 11 | 2  | 21 | 40 | 48 | 200     | 0 | 45 | 26 | 42 | 54 | 12 | 1 | 40 | 27 | 22 | 6  | 69 |   |
| 492    | 7  | 16 | 15 | 0  | 24 | 220     | 0 | 49 | 58 | 51 | 37 | 31 | 0 | 17 | 48 | 55 | 11 | Y  |   |
| 537    | 4  | 0  | 8  | 16 | 0  | 240     | 0 | 54 | 31 | 0  | 20 | 40 | 4 | 55 | 10 | 28 | 17 | ⊗  |   |
| 582    | 0  | 14 | 1  | 40 | 0  | 260     | 0 | 59 | 3  | 9  | 4  | 10 | 3 | 32 | 32 | 1  | 22 | m  |   |
| 626    | 8  | 28 | 13 | 59 | 36 | 280     | 1 | 3  | 35 | 17 | 47 | 29 | 2 | 9  | 53 | 34 | 27 | Q  |   |
| 671    | 5  | 12 | 12 | 19 | 12 | 300     | 1 | 8  | 7  | 26 | 30 | 48 | 0 | 47 | 15 | 7  | 33 | 8  |   |
| 716    | 1  | 26 | 5  | 39 | 12 | 320     | 1 | 12 | 39 | 35 | 14 | 8  | 5 | 24 | 36 | 40 | 38 | ≡  |   |
| 760    | 10 | 9  | 22 | 58 | 48 | 340     | 1 | 17 | 11 | 43 | 57 | 27 | 4 | 1  | 58 | 13 | 43 | ⊕  |   |
| 805    | 6  | 25 | 16 | 18 | 24 | 360     | 1 | 21 | 43 | 52 | 40 | 46 | 2 | 39 | 19 | 46 | 49 | np |   |
| 850    | 3  | 7  | 9  | 38 | 14 | 380     | 1 | 26 | 16 | 1  | 24 | 6  | 1 | 16 | 41 | 19 | 54 | II |   |
| 894    | 11 | 23 | 2  | 58 | 0  | 400     | 1 | 30 | 48 | 10 | 7  | 25 | 5 | 54 | 2  | 52 | 59 | X  |   |
| 939    | 8  | 5  | 20 | 17 | 36 | 420     | 1 | 35 | 20 | 18 | 50 | 44 | 4 | 31 | 24 | 26 | 5  | ⊗  |   |
| 984    | 4  | 21 | 13 | 37 | 36 | 440     | 1 | 39 | 52 | 27 | 34 | 4  | 3 | 8  | 45 | 59 | 10 | ⊖  |   |
| 1029   | 1  | 3  | 6  | 57 | 12 | 460     | 1 | 44 | 24 | 36 | 17 | 23 | 1 | 46 | 7  | 32 | 15 | 69 |   |
| 1073   | 9  | 19 | 0  | 16 | 48 | 480     | 1 | 48 | 56 | 45 | 0  | 42 | 0 | 23 | 29 | 5  | 21 | Y  |   |
| 1118   | 6  | 3  | 17 | 36 | 48 | 500     | 1 | 53 | 28 | 53 | 44 | 2  | 5 | 0  | 50 | 38 | 26 | ≡  |   |
| 1163   | 2  | 17 | 10 | 56 | 24 | 520     | 1 | 58 | 1  | 2  | 27 | 21 | 3 | 38 | 12 | 11 | 33 | m  |   |
| 1207   | 11 | 0  | 4  | 16 | 0  | 540     | 2 | 2  | 33 | 11 | 10 | 40 | 2 | 15 | 33 | 44 | 37 | Q  |   |
| 1252   | 7  | 14 | 20 | 48 | 0  | 560     | 2 | 7  | 5  | 19 | 52 | 0  | 1 | 0  | 51 | 55 | 17 | 42 | 8 |
| 1297   | 3  | 29 | 14 | 55 | 36 | 580     | 2 | 11 | 37 | 28 | 37 | 19 | 5 | 30 | 16 | 50 | 47 | X  |   |
| 1342   | 0  | 12 | 8  | 15 | 12 | 600     | 2 | 16 | 9  | 37 | 20 | 38 | 4 | 7  | 38 | 23 | 53 | ⊕  |   |
| 1387   | 8  | 27 | 1  | 35 | 12 | 620     | 2 | 20 | 41 | 46 | 3  | 58 | 2 | 44 | 59 | 56 | 58 | np |   |
| 1431   | 5  | 10 | 18 | 54 | 48 | 640     | 2 | 25 | 13 | 54 | 47 | 17 | 1 | 22 | 21 | 30 | 3  | II |   |
| 1476   | 1  | 23 | 12 | 14 | 24 | 660     | 2 | 29 | 46 | 3  | 30 | 36 | 5 | 59 | 43 | 3  | 9  | X  |   |
| 1520   | 10 | 8  | 5  | 34 | 24 | 680     | 2 | 34 | 18 | 12 | 13 | 56 | 4 | 37 | 4  | 36 | 14 | ⊗  |   |
| 1565   | 6  | 23 | 21 | 54 | 0  | 700     | 2 | 38 | 50 | 10 | 57 | 15 | 3 | 14 | 26 | 9  | 19 | ⊖  |   |

**C** Residua tabule Coniunctionis Jovis et Martis post incarnatione  
Christi secundum medium motu: per tabulas Alfonsi notataz

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♂

| Coniun.            |         |         |          |       |      |         |    |    |    |
|--------------------|---------|---------|----------|-------|------|---------|----|----|----|
| anni m di h m s    | ctiones | 4       | 5        | 6     | 7    | 8       | 9  | 10 | 11 |
| 1610 3 7 16 13 36  | 720     | 2 43    | 22 29    | 40 34 | 1 51 | 47 42   | 25 |    | 69 |
| 1654 11 11 9 34 36 | 740     | 2 47    | 54 38    | 23 54 | 0 29 | 9 15    | 30 |    | Y  |
| 1699 8 4 1 54 12   | 760     | 2 52    | 16 47    | 7 13  | 5 6  | 3 48    | 35 |    | W  |
| 1744 4 19 10 12 48 | 780     | 2 56    | 58 55    | 50 32 | 3 43 | 52 21   | 41 |    | m  |
| 1789 1 1 13 32 48  | 800     | 3 1 31  | 4 33 52  |       | 2 21 | 13 54   | 46 |    | n  |
| 1833 9 17 6 52 24  | 820     | 3 6 3   | 13 17 11 |       | 0 58 | 35 27   | 51 |    | 8  |
| 1878 6 2 0 12 0    | 840     | 3 10 35 | 22 0 30  |       | 5 35 | 57 0 57 |    |    | X  |

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**C** Tabula Coniunctionis Jovis et Martis expansa post incarnatione  
Christi secundum medium motu: per tabulas Alfonsi verificataz.

| Coniun.          |         |           |       |   |         |       |   |    |    |
|------------------|---------|-----------|-------|---|---------|-------|---|----|----|
| anni m di h m s  | ctiones | 4         | 5     | 6 | 7       | 8     | 9 | 10 | 11 |
| 2 2 26 10 18 0   | 1       | 0 0 13 36 | 26 10 |   | 1 7 52  | 4 39  |   |    | II |
| 4 5 10 20 56 0   | 2       | 0 0 27 12 | 52 20 |   | 2 15 44 | 9 19  |   |    | n  |
| 6 8 15 7 24 0    | 3       | 0 0 40 49 | 18 30 |   | 3 23 36 | 13 58 |   |    | W  |
| 8 11 9 17 52 0   | 4       | 0 0 54 15 | 44 40 |   | 4 31 28 | 18 37 |   |    | 8  |
| 11 2 5 4 20 0    | 5       | 0 1 8 2   | 10 50 |   | 5 39 20 | 23 16 |   |    | X  |
| 13 4 30 14 48 0  | 6       | 0 1 21 38 | 37 0  |   | 0 47 12 | 27 56 |   |    | 8  |
| 15 7 14 1 16 0   | 7       | 0 1 35 15 | 3 10  |   | 1 55 4  | 32 35 |   |    | 69 |
| 17 10 18 11 44 0 | 8       | 0 1 48 51 | 29 20 |   | 3 2 56  | 37 14 |   |    | W  |
| 20 1 11 22 12 0  | 9       | 0 2 27 55 | 30    |   | 4 10 48 | 41 53 |   |    | T  |
| 22 4 9 8 40 0    | 10      | 0 2 16 4  | 21 40 |   | 5 18 40 | 46 33 |   |    | W  |
| 24 7 2 19 8 0    | 11      | 0 2 29 40 | 47 50 |   | 0 26 32 | 51 18 |   |    | Y  |
| 26 9 18 5 36 0   | 12      | 0 2 43 17 | 14 0  |   | 1 34 24 | 55 51 |   |    | 69 |
| 29 0 21 16 4 0   | 13      | 0 2 56 53 | 40 10 |   | 2 42 17 | 0 30  |   |    | np |
| 31 3 17 2 32 0   | 14      | 0 3 10 30 | 6 20  |   | 3 50 9  | 5 10  |   |    | m  |
| 33 6 12 13 0 0   | 15      | 0 3 24 6  | 32 30 |   | 4 58 1  | 9 49  |   |    | 8  |
| 35 9 5 23 27 36  | 16      | 0 3 37 42 | 58 39 |   | 0 5 53  | 14 28 |   |    | Y  |
| 38 0 0 9 55 36   | 17      | 0 3 51 19 | 24 49 |   | 1 13 45 | 19 8  |   |    | II |
| 40 2 26 10 23 36 | 18      | 0 4 4 55  | 50 59 |   | 2 21 37 | 23 47 |   |    | n  |
| 42 5 21 6 51 36  | 19      | 0 4 18 32 | 17 9  |   | 3 29 29 | 28 26 |   |    | W  |
| 44 8 14 17 19 36 | 20      | 0 4 32 8  | 43 19 |   | 4 37 21 | 33 5  |   |    | 8  |



Linee numeri cōmunes  
 Tabula ad inueniendū tēpus diſtātie Solis a principio Arieti & Libree  
 Tabula ad inueniendū tēpus diſtātie Solis a principio Cancri.  
 Tabula ad inueniendū tēpus diſtātie Solis a principio Capricorni.

Diſtātia  
 in minu-  
 tis 2cl.

V  $\infty$

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| m  | m  | hō m. 2  | hō m. 2  | hō m. 2  | hō m. 2  | hō m. 2  | hō m. 2  |
|----|----|----------|----------|----------|----------|----------|----------|
| 1  | 31 | 0 24 20  | 12 34 20 | 0 25 10  | 13 0 25  | 0 23 31  | 12 9 25  |
| 1  | 32 | 0 43 40  | 12 50 40 | 0 50 21  | 13 25 35 | 0 47 4   | 12 32 56 |
| 3  | 33 | 1 13 0   | 13 23 0  | 1 15 31  | 13 50 46 | 1 10 35  | 12 56 28 |
| 4  | 34 | 1 37 20  | 13 47 20 | 1 40 41  | 14 15 56 | 1 34 7   | 13 20 0  |
| 5  | 35 | 2 1 40   | 14 11 40 | 2 5 51   | 14 41 7  | 1 57 39  | 13 43 32 |
| 6  | 36 | 2 26 0   | 14 36 0  | 2 31 3   | 15 6 17  | 2 21 11  | 14 7 4   |
| 7  | 37 | 2 50 20  | 15 0 20  | 2 56 13  | 15 38 18 | 2 44 42  | 14 30 35 |
| 8  | 38 | 3 14 40  | 15 24 40 | 3 41 24  | 15 56 38 | 3 8 14   | 14 54 7  |
| 9  | 39 | 3 39 0   | 15 49 5  | 3 46 34  | 16 23 49 | 3 31 46  | 15 17 39 |
| 10 | 40 | 4 3 20   | 16 13 20 | 4 12 45  | 16 46 59 | 3 55 18  | 15 41 11 |
| 11 | 41 | 4 27 40  | 16 37 40 | 4 36 15  | 17 12 10 | 4 18 49  | 16 4 42  |
| 12 | 42 | 4 52 0   | 17 1 0   | 5 2 6    | 17 37 20 | 4 42 11  | 16 28 14 |
| 13 | 43 | 5 16 20  | 17 26 20 | 5 27 16  | 18 2 31  | 5 5 53   | 16 51 46 |
| 14 | 44 | 5 40 40  | 17 50 40 | 5 52 27  | 18 27 41 | 5 29 25  | 17 15 18 |
| 15 | 45 | 6 5 0    | 18 15 0  | 6 17 37  | 18 52 52 | 5 52 56  | 17 38 49 |
| 16 | 46 | 6 29 20  | 18 39 20 | 6 42 48  | 19 18 2  | 6 16 28  | 18 2 21  |
| 17 | 47 | 6 53 40  | 19 3 40  | 7 7 48   | 19 43 13 | 6 40 0   | 18 25 53 |
| 18 | 48 | 7 18 0   | 19 18 0  | 7 33 9   | 20 8 23  | 7 33 2   | 18 49 25 |
| 19 | 49 | 7 42 20  | 19 52 20 | 7 58 19  | 20 33 34 | 7 37 4   | 19 12 57 |
| 20 | 50 | 8 6 40   | 20 16 40 | 8 23 30  | 20 58 44 | 7 50 35  | 19 36 28 |
| 21 | 51 | 8 31 0   | 20 41 0  | 8 48 40  | 21 23 55 | 8 14 7   | 20 0 0   |
| 22 | 52 | 8 55 20  | 21 5 20  | 9 13 51  | 21 49 5  | 8 37 39  | 20 23 32 |
| 23 | 53 | 9 19 40  | 21 29 40 | 9 39 1   | 22 14 16 | 9 1 11   | 20 47 4  |
| 24 | 54 | 9 44 0   | 21 54 0  | 10 4 12  | 22 39 26 | 9 24 42  | 21 10 35 |
| 25 | 55 | 10 8 20  | 22 18 20 | 10 29 22 | 23 4 37  | 9 44 14  | 21 44 7  |
| 26 | 56 | 10 32 40 | 22 42 40 | 10 54 33 | 23 29 47 | 10 0 46  | 21 57 39 |
| 27 | 57 | 10 57 0  | 23 7 0   | 11 19 43 | 23 54 58 | 10 35 18 | 22 21 11 |
| 28 | 58 | 11 21 20 | 23 31 20 | 11 44 54 | 24 20 8  | 10 58 49 | 22 44 42 |
| 29 | 59 | 11 45 40 | 23 55 40 | 12 10 4  | 24 45 19 | 11 21 21 | 23 8 14  |
| 30 | 60 | 12 10 0  | 24 20 0  | 12 35 14 | 25 10 29 | 11 25 53 | 23 31 46 |
| 2  | 2  | m. 2 3   | m. 2 3   | m. 2 3   | m. 2 3   | m. 2 3   | m. 2 3   |
| 3  | 3  | 2 3      | 2 3      | 2 3      | 2 3      | 2 3      | 2 3      |

**Tabula Medij Argumen Latitudinis Lune.**

| 4  | 1  | 2  | 3  | 4  | 4  | 1  | 2  | 3  | 4  |
|----|----|----|----|----|----|----|----|----|----|
| 5  | 6  | 7  | 8  | 9  | 5  | 6  | 7  | 8  | 9  |
| 10 | 11 | 12 | 13 | 14 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 15 | 16 | 17 | 18 | 19 |
| 1  | 0  | 13 | 13 | 45 | 39 | 22 | 25 | 53 | 45 |
| 2  | 0  | 26 | 27 | 31 | 18 | 44 | 51 | 47 | 30 |
| 3  | 0  | 39 | 41 | 16 | 58 | 7  | 17 | 41 | 15 |
| 4  | 0  | 52 | 55 | 2  | 37 | 29 | 43 | 35 | 0  |
| 5  | 1  | 6  | 8  | 48 | 16 | 51 | 9  | 28 | 45 |
| 6  | 1  | 19 | 22 | 33 | 56 | 14 | 35 | 22 | 30 |
| 7  | 1  | 32 | 36 | 19 | 35 | 37 | 1  | 16 | 15 |
| 8  | 1  | 45 | 50 | 5  | 14 | 59 | 27 | 10 | 0  |
| 9  | 1  | 59 | 3  | 50 | 54 | 21 | 53 | 3  | 45 |
| 10 | 2  | 12 | 17 | 36 | 33 | 44 | 18 | 57 | 30 |
| 11 | 2  | 25 | 31 | 22 | 13 | 6  | 44 | 51 | 15 |
| 12 | 2  | 38 | 45 | 7  | 52 | 29 | 10 | 45 | 0  |
| 13 | 2  | 51 | 58 | 53 | 31 | 51 | 36 | 38 | 45 |
| 14 | 3  | 5  | 12 | 39 | 11 | 14 | 2  | 32 | 30 |
| 15 | 3  | 18 | 26 | 24 | 50 | 36 | 28 | 26 | 15 |
| 16 | 3  | 31 | 40 | 10 | 29 | 58 | 54 | 20 | 0  |
| 17 | 3  | 44 | 53 | 56 | 9  | 21 | 20 | 13 | 45 |
| 18 | 3  | 58 | 7  | 41 | 48 | 43 | 46 | 7  | 30 |
| 19 | 4  | 11 | 21 | 27 | 28 | 6  | 12 | 1  | 15 |
| 20 | 4  | 24 | 35 | 13 | 7  | 28 | 37 | 55 | 0  |
| 21 | 4  | 37 | 48 | 58 | 46 | 51 | 3  | 48 | 45 |
| 22 | 4  | 51 | 2  | 44 | 26 | 13 | 29 | 42 | 30 |
| 23 | 5  | 4  | 16 | 30 | 5  | 35 | 55 | 36 | 15 |
| 24 | 5  | 17 | 30 | 15 | 44 | 58 | 21 | 30 | 0  |
| 25 | 5  | 30 | 44 | 1  | 24 | 20 | 47 | 23 | 45 |
| 26 | 5  | 43 | 57 | 47 | 3  | 43 | 13 | 17 | 30 |
| 27 | 5  | 57 | 11 | 31 | 43 | 5  | 39 | 11 | 15 |
| 28 | 6  | 10 | 25 | 18 | 22 | 28 | 5  | 5  | 0  |
| 29 | 6  | 23 | 39 | 4  | 1  | 50 | 30 | 58 | 45 |
| 30 | 6  | 36 | 52 | 49 | 41 | 12 | 56 | 52 | 30 |
| m  | 7  | m  | 2  | 3  | 4  | m  | 7  | m  | 2  |
| 1  | 8  | 1  | 3  | 4  | 1  | 8  | 1  | 3  | 4  |
| 2  | 9  | 2  | 4  | 5  | 2  | 9  | 2  | 4  | 5  |
| 3  | 10 | 3  | 5  | 6  | 3  | 10 | 3  | 5  | 6  |
| 4  | 11 | 4  | 6  | 7  | 4  | 11 | 4  | 6  | 7  |

**Tabula Diversitatis Aspectus lune in Climate primo: cuius  
latitudo est gradus. 16. 2 minuta. 39. 2 bore. 13. minuta. 0.**

| Hore<br>6  | Hore<br>7  | Hore<br>8  | Hore<br>9 | Hore<br>10 | Hore<br>11 | Hore<br>12 | Hore<br>13 | Hore<br>14 | Hore<br>15 | Hore<br>16 | Hore<br>17 | Hore<br>18 | Hore<br>19 | Hore<br>20 | Hore<br>21 | Hore<br>22 | Hore<br>23 | Hore<br>24 |
|------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| b m m      | b m m      | b m m      | b m m     | b m m      | b m m      | b m m      | b m m      | b m m      | b m m      | b m m      | b m m      | b m m      | b m m      | b m m      | b m m      | b m m      | b m m      | b m m      |
| 6 30 49 16 | 6 25 51 5  | 6 14 51 4  | 6 0 51 6  | 6 46 51 4  | 6 35 52 5  | 6 25 53 6  | 6 15 53 7  | 6 0 53 8   | 5 50 53 9  | 5 40 54 0  | 5 30 54 1  | 5 20 54 2  | 5 10 54 3  | 5 0 54 4   | 4 50 54 5  | 4 40 54 6  | 4 30 54 7  | 4 20 54 8  |
| 5 49 8 5   | 48 2 5     | 49 6 4     | 45 4 4    | 47 3 4     | 46 12 5    | 41 4 4     | 40 5 4     | 43 6 3     | 38 1 3     | 40 8 3     | 39 18 3    | 35 1 3     | 35 6 3     | 34 6 2     | 18 3 2     | 31 12 2    | 31 23 2    | 25 4 2     |
| 4 42 4 4   | 40 5 4     | 43 6 3     | 38 1 3    | 40 8 3     | 39 18 3    | 35 1 3     | 35 6 3     | 34 6 2     | 18 3 2     | 31 12 2    | 31 23 2    | 25 4 2     | 22 4 2     | 25 4 1     | 17 8 1     | 20 19 1    | 19 36 1    | 13 6 1     |
| 3 35 1 3   | 35 6 3     | 34 6 2     | 18 3 2    | 31 12 2    | 31 23 2    | 25 4 2     | 22 4 2     | 25 4 1     | 17 8 1     | 20 19 1    | 19 36 1    | 13 6 1     | 12 7 1     | 11 9 0     | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      |
| 2 25 4 2   | 22 4 2     | 25 4 1     | 17 8 1    | 20 19 1    | 19 36 1    | 13 6 1     | 12 7 1     | 11 9 0     | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      |
| 1 13 6 1   | 12 7 1     | 11 9 0     | 0 0 0     | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      |
| Re 0 7     | cel 1 4    | fus 2 4    | Re 6 13   | cel 9 22   | fus 7 30   | 1 13 6     | 1 13 7     | 1 10 9     | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      |
| 2 25 4 2   | 25 4 1     | 21 14 1    | 16 18 1   | 14 30 2    | 18 34 3    | 3 35 1 3   | 34 9 3     | 29 19 2    | 16 23 2    | 14 30 2    | 18 34 3    | 3 35 1 3   | 34 9 3     | 29 19 2    | 16 23 2    | 14 30 2    | 18 34 3    | 3 35 1 3   |
| 4 42 4 4   | 41 15 4    | 36 24 3    | 27 17 3   | 25 32 3    | 33 33 4    | 5 49 8 5   | 44 18 5    | 40 28 4    | 33 30 4    | 33 33 4    | 37 35 5    | 42 28 5    | 37 35 5    | 33 30 4    | 33 33 4    | 37 35 5    | 42 28 5    | 37 35 5    |
| 6 30 49 16 | 6 25 44 25 | 6 14 40 31 | 6 0 59 32 | 6 46 40 31 | 6 35 44 25 | 5 46 18 5  | 42 18 5    | 37 32 5    | 37 32 5    | 6 41 30 6  | 45 24 6    | 41 15 6    | 41 15 6    | 36 24 5    | 36 24 5    | 31 19 3    | 34 9 3     | 25 4 2     |
| 5 46 18 5  | 42 18 5    | 37 32 5    | 37 32 5   | 6 41 30 6  | 45 24 6    | 41 15 6    | 41 15 6    | 36 24 5    | 36 24 5    | 31 19 3    | 34 9 3     | 25 4 2     | 22 4 2     | 25 4 1     | 17 8 1     | 20 19 1    | 19 36 1    | 13 6 1     |
| 4 42 23 4  | 37 31 4    | 33 33 3    | 27 27 3   | 4 40 18 5  | 41 15 6    | 36 24 5    | 36 24 5    | 31 19 3    | 34 9 3     | 25 4 2     | 22 4 2     | 25 4 1     | 22 4 2     | 25 4 1     | 17 8 1     | 20 19 1    | 19 36 1    | 13 6 1     |
| 3 35 27 3  | 33 33 3    | 25 32 3    | 27 27 3   | 4 40 18 5  | 41 15 6    | 36 24 5    | 36 24 5    | 31 19 3    | 34 9 3     | 25 4 2     | 22 4 2     | 25 4 1     | 22 4 2     | 25 4 1     | 17 8 1     | 20 19 1    | 19 36 1    | 13 6 1     |
| 2 24 30 2  | 18 34 2    | 14 30 2    | 16 23 2   | 3 19 19 3  | 34 9 3     | 25 4 2     | 22 4 2     | 25 4 1     | 17 8 1     | 20 19 1    | 19 36 1    | 13 6 1     | 12 7 1     | 11 9 0     | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      |
| 1 13 33 1  | 6 32 1     | 3 27 1     | 6 18 1    | 2 11 14 1  | 1 10 9 0   | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      |
| Re 0 33    | cel 7 30   | fus 9 22   | Re 6 13   | cel 2 4    | fus 1 4    | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      | 0 0 0      |
| 1 13 33 1  | 19 36 1    | 20 19 1    | 17 8 2    | 15 4 2     | 12 7 1     | 1 13 33    | 1 19 36    | 1 20 19    | 1 17 8     | 2 15 4     | 2 12 7     | 1 13 33    | 1 19 36    | 1 20 19    | 1 17 8     | 2 15 4     | 2 12 7     | 1 13 33    |
| 2 24 30 2  | 31 23 2    | 31 12 2    | 18 3 3    | 34 6 3     | 35 6 3     | 3 35 27 3  | 39 18 3    | 40 8 3     | 38 1 4     | 43 6 4     | 40 5 5     | 48 2 5     | 46 18 5    | 41 15 6    | 36 24 5    | 31 19 3    | 34 9 3     | 25 4 2     |
| 4 42 23 4  | 46 12 4    | 47 3 4     | 45 4 5    | 49 6 5     | 48 2 5     | 5 46 18 5  | 51 7 5     | 49 2 5     | 49 6 6     | 51 5 6     | 51 3 6     | 51 3 6     | 46 18 5    | 41 15 6    | 36 24 5    | 31 19 3    | 34 9 3     | 25 4 2     |
| 5 30 49 16 | 5 35 52 5  | 6 46 51 4  | 6 0 51 6  | 6 14 51 4  | 6 35 52 5  | 5 46 18 5  | 42 18 5    | 37 32 5    | 37 32 5    | 6 41 30 6  | 45 24 6    | 41 15 6    | 41 15 6    | 36 24 5    | 36 24 5    | 31 19 3    | 34 9 3     | 25 4 2     |

**Tabula Diversitatis Aspectus Lune in Climate secundo: cuius  
latitudo est gradus. 24. et minuta. 3. et hora. 15. minuta. 24.**

| Horæ<br>69 | logi<br>m | lati<br>m | Horæ<br>70 | logi<br>m | lati<br>m | Horæ<br>71 | logi<br>m | lati<br>m | Horæ<br>72 | logi<br>m | lati<br>m | Horæ<br>73 | logi<br>m | lati<br>m | Horæ<br>74 | logi<br>m | lati<br>m |    |    |   |    |    |    |
|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|----|----|---|----|----|----|
| 6 44       | 50        | 21        | 6 40       | 52        | 14        | 6 20       | 53        | 4         | 6 0        | 53        | 1         | 6 40       | 53        | 4         | 6 20       | 52        | 13        |    |    |   |    |    |    |
| 6          | 50        | 20        | 6          | 52        | 12        | 6          | 53        | 4         | 5          | 52        | 2         | 5          | 53        | 6         | 5          | 52        | 14        |    |    |   |    |    |    |
| 5          | 49        | 15        | 5          | 50        | 6         | 5          | 52        | 2         | 4          | 49        | 4         | 4          | 50        | 9         | 4          | 49        | 19        |    |    |   |    |    |    |
| 4          | 43        | 10        | 4          | 44        | 3         | 4          | 46        | 1         | 3          | 41        | 6         | 3          | 42        | 14        | 3          | 41        | 24        |    |    |   |    |    |    |
| 3          | 35        | 6         | 3          | 37        | 2         | 3          | 38        | 2         | 2          | 32        | 10        | 2          | 36        | 20        | 2          | 32        | 29        |    |    |   |    |    |    |
| 2          | 24        | 4         | 2          | 25        | 1         | 2          | 28        | 4         | 1          | 20        | 15        | 1          | 22        | 24        | 1          | 21        | 33        |    |    |   |    |    |    |
| 1          | 13        | 2         | 1          | 13        | 2         | 1          | 16        | 6         | 0          | 0         | 0         | 0          | 0         | 0         | 0          | 0         | 0         |    |    |   |    |    |    |
| Re         | 0         | I         | cef        | 2         | 4         | fus        | 5         | II        | Re         | 8         | 20        | cef        | II        | 30        | fus        | 10        | 38        |    |    |   |    |    |    |
| 1          | 13        | 2         | 1          | 6         | 6         | 1          | 8         | 15        | 0          | 0         | 0         | 0          | 0         | 0         | 0          | 0         | 0         |    |    |   |    |    |    |
| 2          | 24        | 4         | 2          | 23        | II        | 2          | 19        | 21        | 1          | 3         | 25        | 1          | 1         | 32        | 1          | 5         | 40        |    |    |   |    |    |    |
| 3          | 35        | 6         | 3          | 32        | 15        | 3          | 29        | 26        | 2          | 14        | 31        | 2          | 13        | 37        | 2          | 16        | 41        |    |    |   |    |    |    |
| 4          | 43        | 10        | 4          | 40        | 21        | 4          | 34        | 31        | 3          | 23        | 36        | 3          | 23        | 40        | 3          | 27        | 40        |    |    |   |    |    |    |
| 5          | 49        | 15        | 5          | 43        | 26        | 5          | 38        | 35        | 4          | 30        | 38        | 4          | 30        | 41        | 4          | 35        | 38        |    |    |   |    |    |    |
| 6          | 50        | 20        | 6          | 44        | 31        | 6          | 39        | 38        | 5          | 34        | 39        | 5          | 36        | 40        | 5          | 41        | 35        |    |    |   |    |    |    |
| 6 44       | 50        | 21        | 6 40       | 43        | 33        | 6 20       | 38        | 39        | 6 0        | 36        | 42        | 6 40       | 38        | 38        | 6 20       | 42        | 33        |    |    |   |    |    |    |
| Horæ<br>75 | tudo<br>m | tudo<br>m | Horæ<br>76 | tudo<br>m | tudo<br>m | Horæ<br>77 | tudo<br>m | tudo<br>m | Horæ<br>78 | tudo<br>m | tudo<br>m | Horæ<br>79 | tudo<br>m | tudo<br>m | Horæ<br>80 | tudo<br>m | tudo<br>m |    |    |   |    |    |    |
| 5          | 16        | 59        | 24         | 5         | 20        | 42         | 33        | 5         | 40         | 38        | 38        | 6          | 0         | 36        | 42         | 6         | 20        | 38 | 39 | 6 | 40 | 43 | 33 |
| 5          | 48        | 25        | 5          | 41        | 35        | 5          | 36        | 40        | 5          | 34        | 39        | 6          | 39        | 38        | 6          | 44        | 31        |    |    |   |    |    |    |
| 4          | 46        | 31        | 4          | 35        | 38        | 4          | 30        | 41        | 4          | 30        | 38        | 5          | 38        | 35        | 5          | 43        | 26        |    |    |   |    |    |    |
| 3          | 35        | 33        | 3          | 27        | 40        | 3          | 23        | 40        | 3          | 23        | 36        | 4          | 34        | 31        | 4          | 40        | 21        |    |    |   |    |    |    |
| 2          | 24        | 38        | 2          | 16        | 41        | 2          | 13        | 37        | 2          | 14        | 31        | 3          | 29        | 26        | 3          | 32        | 15        |    |    |   |    |    |    |
| 1          | 13        | 40        | 1          | 5         | 40        | 1          | 1         | 32        | 1          | 3         | 25        | 2          | 19        | 21        | 2          | 21        | 10        |    |    |   |    |    |    |
| 0          | 0         | 0         | 0          | 0         | 0         | 0          | 0         | 0         | 0          | 0         | 0         | 1          | 8         | 15        | 1          | 6         | 6         |    |    |   |    |    |    |
| Re         | 0         | 41        | cef        | 10        | 38        | fus        | II        | 30        | Re         | 8         | 20        | cef        | 5         | II        | fus        | 2         | 4         |    |    |   |    |    |    |
| 0          | 0         | 0         | 0          | 0         | 0         | 0          | 0         | 0         | 0          | 0         | 0         | 1          | 16        | 6         | 1          | 13        | 2         |    |    |   |    |    |    |
| 1          | 13        | 40        | 1          | 21        | 33        | 1          | 22        | 24        | 1          | 20        | 15        | 2          | 28        | 4         | 2          | 25        | 1         |    |    |   |    |    |    |
| 2          | 24        | 38        | 2          | 32        | 29        | 2          | 36        | 10        | 2          | 32        | 10        | 3          | 38        | 2         | 3          | 37        | 2         |    |    |   |    |    |    |
| 3          | 35        | 33        | 3          | 41        | 24        | 3          | 42        | 14        | 3          | 41        | 6         | 4          | 46        | 1         | 4          | 44        | 3         |    |    |   |    |    |    |
| 4          | 46        | 31        | 4          | 49        | 19        | 4          | 50        | 9         | 4          | 49        | 4         | 5          | 52        | 2         | 5          | 50        | 6         |    |    |   |    |    |    |
| 5          | 48        | 25        | 5          | 52        | 14        | 5          | 53        | 6         | 5          | 52        | 2         | 6          | 53        | 4         | 6          | 53        | 12        |    |    |   |    |    |    |
| 5          | 16        | 49        | 24         | 5         | 20        | 52         | 13        | 5         | 40         | 53        | 4         | 6          | 0         | 53        | 1          | 6         | 20        | 53 | 4  | 6 | 40 | 52 | 1  |

Tabula Diverſitatis Aſpectus Lune in Climate tertio:  
cuius latitudo eſt gradus.30. ⁊ minuta.38. ⁊ hore. 14.

[illegible]

| Dore 2 |    |    | Dore 3 |    |    | Dore 4 |    |    | Dore 5 |    |    | Dore 6 |    |    | Dore 7 |    |    | Dore 8 |    |   |    |    |    |
|--------|----|----|--------|----|----|--------|----|----|--------|----|----|--------|----|----|--------|----|----|--------|----|---|----|----|----|
| b      | m  | m  | b      | m  | m  | b      | m  | m  | b      | m  | m  | b      | m  | m  | b      | m  | m  | b      | m  | m |    |    |    |
| 5      | 0  | 45 | 30     | 5  | 8  | 39     | 38 | 5  | 32     | 33 | 42 | 6      | 0  | 32 | 44     | 6  | 28 | 33     | 42 | 6 | 52 | 38 | 39 |
| 4      | 4  | 35 | 5      | 37 | 40 | 5      | 32 | 43 | 5      | 31 | 43 | 6      | 33 | 42 | 6      | 40 | 35 |        |    |   |    |    |    |
| 3      | 32 | 39 | 4      | 32 | 41 | 4      | 27 | 44 | 4      | 32 | 41 | 5      | 32 | 39 | 5      | 40 | 31 |        |    |   |    |    |    |
| 2      | 23 | 41 | 3      | 23 | 43 | 3      | 18 | 43 | 3      | 20 | 38 | 4      | 34 | 35 | 4      | 41 | 26 |        |    |   |    |    |    |
| I      | 12 | 43 | 2      | 14 | 44 | 2      | 9  | 41 | 2      | 10 | 34 | 3      | 23 | 31 | 3      | 30 | 20 |        |    |   |    |    |    |
| 0      | 0  | 0  | I      | 3  | 43 | I      | I  | 38 | I      | 0  | 30 | 2      | 15 | 26 | 2      | 21 | 16 |        |    |   |    |    |    |
| 0      | 0  | 0  | 0      | 0  | 0  | 0      | 0  | 0  | 0      | 0  | 0  | I      | 5  | 20 | I      | 9  | 12 |        |    |   |    |    |    |
| Re     | 0  | 44 | cel    | 9  | 41 | fus    | 13 | 34 | Re     | 12 | 25 | cel    | 6  | 16 | fus    | 3  | 9  |        |    |   |    |    |    |
| 0      | 0  | 0  | 0      | 0  | 0  | 0      | 0  | 0  | 0      | 0  | 0  | I      | 17 | 13 | I      | 14 | 7  |        |    |   |    |    |    |
| 0      | 0  | 0  | I      | 20 | 38 | I      | 24 | 29 | I      | 23 | 20 | 2      | 29 | 9  | 2      | 25 | 7  |        |    |   |    |    |    |
| I      | 12 | 43 | 2      | 32 | 33 | 2      | 34 | 14 | 2      | 32 | 16 | 3      | 38 | 7  | 3      | 5  | 7  |        |    |   |    |    |    |
| 2      | 23 | 41 | 3      | 41 | 29 | 3      | 43 | 19 | 3      | 41 | 12 | 4      | 45 | 7  | 4      | 42 | 8  |        |    |   |    |    |    |
| 3      | 32 | 39 | 4      | 47 | 24 | 4      | 50 | 14 | 4      | 49 | 9  | 5      | 51 | 7  | 5      | 51 | 11 |        |    |   |    |    |    |
| 4      | 41 | 35 | 5      | 50 | 19 | 5      | 52 | 11 | 5      | 52 | 6  | 6      | 53 | 8  | 6      | 51 | 15 |        |    |   |    |    |    |
| 5      | 0  | 45 | 30     | 5  | 8  | 50     | 18 | 5  | 32     | 53 | 9  | 6      | 0  | 53 | 6      | 6  | 28 | 53     | 9  | 6 | 52 | 50 | 16 |



Tabula diuer. aspect<sup>o</sup> Lune in climate qnto: cui<sup>o</sup> latitudo est 6.41. m. 10. b. 15.

| Dore 6 |    |    | Dore 7 |     |    | Dore 8 |    |     | Dore 9 |    |    | Dore 10 |    |    | Dore 11 |     |    | Dore 12 |    |     |    |    |    |
|--------|----|----|--------|-----|----|--------|----|-----|--------|----|----|---------|----|----|---------|-----|----|---------|----|-----|----|----|----|
| b      | m  | m  | b      | m   | m  | b      | m  | m   | b      | m  | m  | b       | m  | m  | b       | m   | m  | b       | m  | m   |    |    |    |
| 7      | 45 | 36 | 36     | 7   | 28 | 43     | 27 | 6   | 48     | 48 | 18 | 6       | 0  | 49 | 15      | 5   | 12 | 48      | 18 | 4   | 32 | 43 | 27 |
| 7      | 37 | 35 |        | 7   | 44 | 16     |    | 6   | 47     | 15 |    | 5       | 47 | 16 |         | 5   | 47 | 19      |    | 4   | 40 | 30 |    |
| 6      | 39 | 31 |        | 6   | 45 | 22     |    | 5   | 46     | 15 |    | 4       | 44 | 17 |         | 4   | 44 | 23      |    | 3   | 36 | 34 |    |
| 5      | 38 | 27 |        | 5   | 42 | 20     |    | 4   | 41     | 15 |    | 3       | 38 | 19 |         | 3   | 39 | 16      |    | 2   | 28 | 38 |    |
| 4      | 34 | 23 |        | 4   | 38 | 19     |    | 3   | 36     | 16 |    | 2       | 32 | 33 |         | 2   | 32 | 30      |    | 1   | 19 | 41 |    |
| 3      | 28 | 20 |        | 3   | 32 | 17     |    | 2   | 27     | 17 |    | 1       | 23 | 27 |         | 1   | 25 | 34      |    | 0   | 0  | 0  |    |
| 2      | 20 | 17 |        | 2   | 25 | 15     |    | 1   | 18     | 20 |    | 0       | 0  | 0  |         | 0   | 0  | 0       |    | 0   | 0  | 0  |    |
| 1      | 10 | 16 |        | 1   | 15 | 16     |    | 0   | 0      | 0  |    | 0       | 0  | 0  |         | 0   | 0  | 0       |    | 0   | 0  | 0  |    |
| Re     | 0  | 15 |        | cel | 4  | 18     |    | lus | 9      | 23 |    | Re      | 14 | 31 |         | cel | 15 | 38      |    | lus | 10 | 43 |    |
| 1      | 10 | 16 |        | 1   | 6  | 20     |    | 0   | 0      | 0  |    | 0       | 0  | 0  |         | 0   | 0  | 0       |    | 0   | 0  | 0  |    |
| 2      | 20 | 17 |        | 2   | 15 | 24     |    | 1   | 0      | 14 |    | 0       | 0  | 0  |         | 0   | 0  | 0       |    | 0   | 0  | 0  |    |
| 3      | 28 | 20 |        | 3   | 22 | 28     |    | 2   | 9      | 31 |    | 1       | 5  | 25 |         | 1   | 5  | 42      |    | 0   | 0  | 0  |    |
| 4      | 34 | 23 |        | 4   | 26 | 32     |    | 3   | 16     | 36 |    | 2       | 4  | 39 |         | 2   | 4  | 44      |    | 1   | 0  | 45 |    |
| 5      | 38 | 27 |        | 5   | 30 | 35     |    | 4   | 21     | 39 |    | 3       | 11 | 42 |         | 3   | 12 | 45      |    | 2   | 9  | 46 |    |
| 6      | 39 | 31 |        | 6   | 31 | 38     |    | 5   | 24     | 42 |    | 4       | 17 | 44 |         | 4   | 17 | 46      |    | 3   | 18 | 46 |    |
| 7      | 37 | 35 |        | 7   | 28 | 42     |    | 6   | 25     | 44 |    | 5       | 21 | 45 |         | 5   | 23 | 46      |    | 4   | 24 | 44 |    |
| 7      | 45 | 36 | 36     | 7   | 28 | 43     | 27 | 6   | 48     | 23 | 45 | 6       | 0  | 22 | 46      | 5   | 12 | 23      | 45 | 4   | 32 | 28 | 43 |

| hore | h  | m  | s  | hore | h  | m  | s  | hore | h  | m  | s  | hore | h  | m  | s  | hore | h  | m  | s   |   |
|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|-----|---|
| b    | m  | m  | m  | b    | m  | m  | m  | b    | m  | m  | m  | b    | m  | m  | m  | b    | m  | m  | m   |   |
| 4    | 15 | 36 | 36 | 4    | 32 | 28 | 43 | 5    | 12 | 23 | 45 | 6    | 0  | 20 | 46 | 6    | 48 | 23 | 45  |   |
| 4    | 34 | 38 |    | 4    | 24 | 44 |    | 5    | 23 | 46 |    | 5    | 21 | 45 |    | 6    | 25 | 44 | 7   |   |
| 3    | 27 | 42 |    | 3    | 18 | 46 |    | 4    | 17 | 46 |    | 4    | 17 | 44 |    | 5    | 24 | 42 | 6   |   |
| 2    | 19 | 44 |    | 2    | 9  | 46 |    | 3    | 12 | 45 |    | 3    | 11 | 42 |    | 4    | 21 | 39 | 5   |   |
| 1    | 10 | 46 |    | 1    | 0  | 45 |    | 2    | 4  | 44 |    | 2    | 4  | 39 |    | 3    | 16 | 36 | 4   |   |
| 0    | 0  | 0  |    | 0    | 0  | 0  |    | 1    | 5  | 42 |    | 1    | 5  | 35 |    | 2    | 9  | 31 | 3   |   |
| 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    | 1    | 0  | 24 | 2   |   |
| 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 1  | 6   |   |
| Re   | 0  | 46 |    | cel  | 10 | 43 |    | lus  | 15 | 38 |    | Re   | 14 | 31 |    | cel  | 9  | 23 | lus | 4 |
| 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 1  | 14  |   |
| 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 1  |    | 1    | 18 | 20 | 2   |   |
| 0    | 0  | 0  |    | 0    | 0  | 0  |    | 1    | 25 | 34 |    | 1    | 23 | 27 |    | 2    | 17 | 17 | 3   |   |
| 1    | 10 | 46 |    | 1    | 19 | 41 |    | 2    | 32 | 30 |    | 2    | 32 | 33 |    | 3    | 36 | 16 | 4   |   |
| 2    | 19 | 44 |    | 2    | 28 | 38 |    | 3    | 39 | 26 |    | 3    | 38 | 19 |    | 4    | 41 | 15 | 5   |   |
| 3    | 27 | 42 |    | 3    | 37 | 34 |    | 4    | 44 | 23 |    | 4    | 44 | 17 |    | 5    | 46 | 15 | 6   |   |
| 4    | 34 | 38 |    | 4    | 40 | 30 |    | 5    | 47 | 19 |    | 5    | 47 | 16 |    | 6    | 47 | 15 | 7   |   |
| 4    | 15 | 36 | 36 | 4    | 32 | 28 | 43 | 5    | 12 | 23 | 45 | 6    | 0  | 20 | 46 | 6    | 48 | 23 | 45  |   |

Tabula duier. aspect<sup>9</sup> Lune in climate sexto: cui<sup>9</sup> lati<sup>9</sup> ē. g. 45. m. 24. bō. 15. m. 30.

| Horæ | h  | m  | min | Horæ | h  | m  | min | Horæ | h  | m  | min | Horæ | h  | m  | min | Horæ | h   | m  | min |     |    |    |
|------|----|----|-----|------|----|----|-----|------|----|----|-----|------|----|----|-----|------|-----|----|-----|-----|----|----|
| 748  | 34 | 42 |     | 728  | 44 | 31 |     | 628  | 50 | 23 |     | 6    | 0  | 51 | 20  | 516  | 49  | 23 | 430 | 43  | 32 |    |
| 7    | 37 | 40 |     | 6    | 46 | 27 |     | 6    | 50 | 22 |     | 5    | 50 | 20 |     | 5    | 48  | 24 | 4   | 41  | 35 |    |
| 6    | 40 | 35 |     | 5    | 44 | 23 |     | 5    | 47 | 20 |     | 4    | 46 | 22 |     | 4    | 46  | 27 | 3   | 36  | 39 |    |
| 5    | 37 | 33 |     | 4    | 40 | 21 |     | 4    | 43 | 20 |     | 3    | 41 | 24 |     | 3    | 31  | 31 | 2   | 29  | 42 |    |
| 4    | 33 | 37 |     | 3    | 32 | 20 |     | 3    | 36 | 20 |     | 2    | 33 | 27 |     | 2    | 32  | 35 | 1   | 20  | 45 |    |
| 3    | 28 | 24 |     | 2    | 23 | 20 |     | 2    | 29 | 22 |     | 1    | 24 | 31 |     | 1    | 24  | 38 | 0   | 0   | 0  |    |
| 2    | 20 | 22 |     | 1    | 14 | 20 |     | 1    | 20 | 24 |     | 0    | 0  | 0  |     | 0    | 0   | 0  | 0   | 0   | 0  |    |
| 1    | 10 | 20 |     | 0    | 0  | 0  |     | 0    | 0  | 0  |     | 0    | 0  | 0  |     | 0    | 0   | 0  | 0   | 0   | 0  |    |
| Re   | 0  | 20 |     | cel  | 5  | 23 |     | fus  | 10 | 28 |     | Re   | 15 | 35 |     | cel  | 12  | 42 | fus | 11  | 48 |    |
| 1    | 10 | 20 |     | 0    | 0  | 0  |     | 0    | 0  | 0  |     | 0    | 0  | 0  |     | 0    | 0   | 0  | 0   | 0   | 0  |    |
| 2    | 20 | 22 |     | 1    | 5  | 24 |     | 1    | 1  | 32 |     | 0    | 0  | 0  |     | 0    | 0   | 0  | 0   | 0   | 0  |    |
| 3    | 28 | 24 |     | 2    | 13 | 28 |     | 2    | 7  | 35 |     | 1    | 4  | 39 |     | 1    | 5   | 46 | 0   | 0   | 0  |    |
| 4    | 33 | 27 |     | 3    | 22 | 32 |     | 3    | 14 | 40 |     | 2    | 3  | 42 |     | 2    | 3   | 48 | 1   | 0   | 50 |    |
| 5    | 37 | 33 |     | 4    | 26 | 35 |     | 4    | 20 | 43 |     | 3    | 10 | 46 |     | 3    | 11  | 50 | 2   | 11  | 51 |    |
| 6    | 40 | 35 |     | 5    | 30 | 40 |     | 5    | 23 | 24 |     | 4    | 15 | 48 |     | 4    | 15  | 51 | 3   | 16  | 50 |    |
| 7    | 37 | 40 |     | 6    | 30 | 43 |     | 6    | 24 | 49 |     | 5    | 19 | 50 |     | 5    | 21  | 50 | 4   | 24  | 49 |    |
| 748  | 34 | 42 |     | 728  | 28 | 46 |     | 628  | 22 | 50 |     | 6    | 0  | 19 | 51  |      | 516 | 22 | 50  | 430 | 25 | 48 |
| Horæ | h  | m  | min | Horæ | h  | m  | min | Horæ | h  | m  | min | Horæ | h  | m  | min | Horæ | h   | m  | min |     |    |    |
| 70   | b  | m  | m   | ω    | b  | m  | m   | χ    | b  | m  | m   | ψ    | b  | m  | m   | ω    | b   | m  | m   |     |    |    |
| 420  | 35 | 41 |     | 430  | 25 | 48 |     | 516  | 22 | 50 |     | 6    | 0  | 19 | 51  | 628  | 22  | 50 | 728 | 28  | 46 |    |
| 4    | 33 | 41 |     | 4    | 24 | 49 |     | 5    | 21 | 50 |     | 5    | 19 | 50 |     | 6    | 24  | 49 | 6   | 30  | 43 |    |
| 3    | 27 | 46 |     | 3    | 16 | 50 |     | 4    | 15 | 51 |     | 4    | 15 | 48 |     | 5    | 23  | 44 | 5   | 30  | 40 |    |
| 2    | 19 | 49 |     | 2    | 11 | 51 |     | 3    | 11 | 51 |     | 3    | 10 | 46 |     | 4    | 20  | 43 | 4   | 26  | 35 |    |
| 1    | 12 | 50 |     | 1    | 0  | 50 |     | 2    | 3  | 48 |     | 2    | 3  | 42 |     | 3    | 14  | 40 | 3   | 22  | 32 |    |
| 0    | 0  | 0  |     | 0    | 0  | 0  |     | 1    | 5  | 46 |     | 1    | 4  | 39 |     | 2    | 7   | 35 | 2   | 13  | 28 |    |
| 0    | 0  | 0  |     | 0    | 0  | 0  |     | 0    | 0  | 0  |     | 0    | 0  | 0  |     | 1    | 1   | 32 | 1   | 5   | 24 |    |
| 0    | 0  | 0  |     | 0    | 0  | 0  |     | 0    | 0  | 0  |     | 0    | 0  | 0  |     | 0    | 0   | 0  | 0   | 0   | 0  |    |
| Re   | 0  | 51 |     | cel  | 11 | 48 |     | fus  | 12 | 42 |     | Re   | 15 | 35 |     | cel  | 10  | 28 | fus | 5   | 23 |    |
| 0    | 0  | 0  |     | 0    | 0  | 0  |     | 0    | 0  | 0  |     | 0    | 0  | 0  |     | 0    | 0   | 0  | 0   | 0   | 0  |    |
| 0    | 0  | 0  |     | 0    | 0  | 0  |     | 0    | 0  | 0  |     | 0    | 0  | 0  |     | 1    | 20  | 24 | 1   | 14  | 20 |    |
| 0    | 0  | 0  |     | 0    | 0  | 0  |     | 1    | 24 | 38 |     | 1    | 24 | 31 |     | 2    | 29  | 22 | 2   | 23  | 20 |    |
| 1    | 12 | 50 |     | 1    | 20 | 45 |     | 2    | 32 | 35 |     | 2    | 33 | 27 |     | 3    | 36  | 20 | 3   | 32  | 20 |    |
| 2    | 19 | 49 |     | 2    | 29 | 42 |     | 3    | 31 | 31 |     | 3    | 41 | 24 |     | 4    | 43  | 20 | 4   | 40  | 21 |    |
| 3    | 23 | 46 |     | 3    | 36 | 39 |     | 4    | 46 | 27 |     | 4    | 46 | 22 |     | 5    | 47  | 20 | 5   | 44  | 23 |    |
| 4    | 33 | 41 |     | 4    | 41 | 35 |     | 5    | 48 | 24 |     | 5    | 50 | 20 |     | 6    | 50  | 22 | 6   | 46  | 27 |    |
| 420  | 35 | 41 |     | 430  | 43 | 32 |     | 516  | 49 | 23 |     | 6    | 0  | 51 | 20  | 628  | 50  | 23 | 728 | 44  | 31 |    |



Tabula diuer. aspect<sup>o</sup> Lune in climate septio: cui<sup>o</sup> latitudo est 5.48.m.40.b8.16.

| hore | h  | m  | m  | hore | h  | m  | m  | hore | h  | m  | m  | hore | h  | m  | m  | hore | h  | m  | m  | hore | h  | m  | m  |
|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|
| b    | m  | m  | m  | b    | m  | m  | m  | b    | m  | m  | m  | b    | m  | m  | m  | b    | m  | m  | m  | b    | m  | m  | m  |
| 8    | 0  | 30 | 42 | 7    | 40 | 39 | 33 | 6    | 54 | 45 | 24 | 6    | 0  | 46 | 21 | 5    | 6  | 45 | 24 | 4    | 20 | 39 | 33 |
| 7    | 38 | 38 |    | 7    | 40 | 32 |    | 6    | 45 | 23 |    | 5    | 45 | 22 |    | 5    | 45 | 25 |    | 4    | 37 | 34 |    |
| 6    | 34 | 35 |    | 6    | 40 | 28 |    | 5    | 43 | 22 |    | 4    | 42 | 23 |    | 4    | 41 | 27 |    | 3    | 33 | 38 |    |
| 5    | 32 | 31 |    | 5    | 39 | 23 |    | 4    | 40 | 21 |    | 3    | 37 | 25 |    | 3    | 37 | 31 |    | 2    | 26 | 41 |    |
| 4    | 29 | 28 |    | 4    | 35 | 23 |    | 3    | 35 | 20 |    | 2    | 31 | 26 |    | 2    | 31 | 34 |    | 1    | 19 | 44 |    |
| 3    | 24 | 25 |    | 3    | 30 | 23 |    | 2    | 37 | 24 |    | 1    | 23 | 28 |    | 1    | 24 | 38 |    | 0    | 0  | 0  |    |
| 2    | 17 | 24 |    | 2    | 22 | 22 |    | 1    | 19 | 26 |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    |
| 1    | 9  | 22 |    | 1    | 14 | 22 |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    |
| Re   | 0  | 21 |    | cel  | 5  | 23 |    | fus  | 11 | 29 |    | Re   | 15 | 31 |    | cel  | 17 | 41 |    | fus  | 10 | 47 |    |
| 1    | 9  | 22 |    | 1    | 3  | 26 |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    |
| 2    | 17 | 24 |    | 2    | 11 | 29 |    | 1    | 3  | 32 |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    |
| 3    | 24 | 25 |    | 3    | 18 | 32 |    | 2    | 5  | 36 |    | 1    | 7  | 35 |    | 1    | 8  | 44 |    | 0    | 0  | 0  |    |
| 4    | 29 | 28 |    | 4    | 22 | 36 |    | 3    | 11 | 40 |    | 2    | 0  | 38 |    | 2    | 0  | 46 |    | 1    | 2  | 48 |    |
| 5    | 32 | 31 |    | 5    | 25 | 39 |    | 4    | 15 | 43 |    | 3    | 6  | 42 |    | 3    | 7  | 47 |    | 2    | 6  | 49 |    |
| 6    | 34 | 35 |    | 6    | 25 | 42 |    | 5    | 18 | 45 |    | 4    | 11 | 45 |    | 4    | 13 | 48 |    | 3    | 14 | 48 |    |
| 7    | 38 | 38 |    | 7    | 23 | 45 |    | 6    | 18 | 47 |    | 5    | 14 | 48 |    | 5    | 17 | 48 |    | 4    | 20 | 47 |    |
| 8    | 0  | 30 | 42 | 7    | 40 | 21 | 46 | 6    | 54 | 17 | 48 | 6    | 0  | 16 | 48 | 5    | 6  | 17 | 48 | 4    | 20 | 21 | 46 |

| hore | h  | m  | m  | hore | h  | m  | m  | hore | h  | m  | m  | hore | h  | m  | m  | hore | h  | m  | m  | hore | h  | m  | m  |
|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|
| b    | m  | m  | m  | b    | m  | m  | m  | b    | m  | m  | m  | b    | m  | m  | m  | b    | m  | m  | m  | b    | m  | m  | m  |
| 4    | 0  | 30 | 42 | 4    | 20 | 21 | 46 | 5    | 6  | 17 | 48 | 6    | 0  | 16 | 48 | 6    | 54 | 17 | 48 | 7    | 40 | 21 | 49 |
| 3    | 24 | 45 |    | 4    | 20 | 47 |    | 5    | 17 | 48 |    | 5    | 14 | 48 |    | 6    | 18 | 47 |    | 7    | 23 | 45 |    |
| 2    | 17 | 47 |    | 3    | 14 | 48 |    | 4    | 13 | 48 |    | 4    | 11 | 45 |    | 5    | 18 | 45 |    | 6    | 25 | 42 |    |
| 1    | 9  | 48 |    | 2    | 6  | 49 |    | 3    | 7  | 47 |    | 3    | 6  | 42 |    | 4    | 15 | 43 |    | 5    | 25 | 39 |    |
| 0    | 0  | 0  |    | 1    | 2  | 48 |    | 2    | 0  | 46 |    | 2    | 0  | 38 |    | 3    | 11 | 40 |    | 4    | 22 | 36 |    |
| 0    | 0  | 0  |    | 0    | 0  | 0  |    | 1    | 8  | 44 |    | 1    | 7  | 35 |    | 2    | 5  | 36 |    | 3    | 18 | 30 |    |
| 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    | 1    | 3  | 32 |    | 2    | 11 | 29 |    |
| 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 1  |    | 3    | 36 |    |    |
| Re   | 0  | 49 |    | cel  | 10 | 47 |    | fus  | 17 | 41 |    | Re   | 15 | 31 |    | cel  | 11 | 29 |    | fus  | 5  | 23 |    |
| 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 1  |    | 14   | 22 |    |    |
| 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 0  |    | 0    | 0  | 1  |    | 19   | 26 |    | 2  | 22   | 22 |    |    |
| 0    | 0  | 0  |    | 0    | 0  | 1  |    | 24   | 38 |    | 1  | 23   | 28 |    | 2  | 27   | 24 |    | 3  | 30   | 23 |    |    |
| 0    | 0  | 0  |    | 0    | 19 | 44 |    | 2    | 31 | 34 |    | 2    | 31 | 26 |    | 3    | 35 | 20 |    | 4    | 35 | 23 |    |
| 1    | 9  | 48 |    | 1    | 26 | 41 |    | 3    | 37 | 31 |    | 3    | 37 | 25 |    | 4    | 40 | 21 |    | 5    | 39 | 25 |    |
| 2    | 17 | 47 |    | 2    | 33 | 38 |    | 4    | 41 | 27 |    | 4    | 42 | 23 |    | 5    | 43 | 22 |    | 6    | 40 | 28 |    |
| 3    | 24 | 45 |    | 3    | 37 | 34 |    | 5    | 45 | 25 |    | 5    | 45 | 22 |    | 6    | 45 | 23 |    | 7    | 40 | 32 |    |
| 4    | 0  | 30 | 42 | 4    | 20 | 39 | 33 | 5    | 6  | 45 | 24 | 6    | 0  | 46 | 21 | 6    | 54 | 45 | 24 | 7    | 40 | 39 | 33 |

k

Tabula Semidiametror Solis & Lune & vmbre.

| Linee numeri<br>comunes | Semi<br>dia<br>me<br>er<br>☉ | Semi<br>dia<br>me<br>ter<br>☾ | Semi<br>dia<br>me<br>ter<br>vmbre | Ma<br>ria<br>tio<br>vmbre |
|-------------------------|------------------------------|-------------------------------|-----------------------------------|---------------------------|
| 6   0   6   0           | 15   40                      | 14   30                       | 37   42                           | 0   0                     |
| 0   6   5   54          | 15   41                      | 14   31                       | 37   45                           | 0   0                     |
| 0   12   5   48         | 15   41                      | 14   31                       | 37   48                           | 0   0                     |
| 0   18   5   42         | 15   41                      | 14   35                       | 37   54                           | 0   1                     |
| 0   24   5   36         | 15   43                      | 14   37                       | 38   I                            | 0   2                     |
| 0   30   5   30         | 15   45                      | 14   41                       | 38   II                           | 0   4                     |
| 0   36   5   24         | 15   48                      | 14   45                       | 38   22                           | 0   6                     |
| 0   42   5   18         | 15   49                      | 14   49                       | 38   36                           | 0   6                     |
| 0   48   5   12         | 15   51                      | 14   57                       | 38   42                           | 0   8                     |
| 0   54   5   6          | 15   54                      | 15   4                        | 39   II                           | 0   10                    |
| I   0   5   0           | 15   58                      | 15   12                       | 39   31                           | 0   13                    |
| I   6   4   54          | 16   2                       | 15   20                       | 39   52                           | 0   16                    |
| I   12   4   48         | 16   5                       | 15   29                       | 40   16                           | 0   18                    |
| I   18   4   42         | 16   8                       | 15   39                       | 40   40                           | 0   21                    |
| I   24   4   36         | 16   11                      | 15   48                       | 41   5                            | 0   23                    |
| I   30   4   30         | 16   15                      | 15   59                       | 41   35                           | 0   26                    |
| I   36   4   24         | 16   20                      | 16   12                       | 42   7                            | 0   30                    |
| I   42   4   18         | 16   23                      | 16   11                       | 42   30                           | 0   32                    |
| I   48   4   12         | 16   26                      | 16   14                       | 43   3                            | 0   34                    |
| I   54   4   6          | 16   32                      | 16   44                       | 43   30                           | 0   39                    |
| 2   0   4   0           | 16   35                      | 16   56                       | 44   2                            | 0   41                    |
| 2   6   3   54          | 16   39                      | 17   7                        | 44   31                           | 0   44                    |
| 2   12   3   48         | 16   41                      | 17   17                       | 44   57                           | 0   46                    |
| 2   18   3   42         | 16   45                      | 17   27                       | 45   21                           | 0   49                    |
| 2   24   3   36         | 16   46                      | 17   36                       | 45   46                           | 0   49                    |
| 2   30   3   30         | 16   50                      | 17   44                       | 46   7                            | 0   53                    |
| 2   36   3   24         | 16   50                      | 17   51                       | 46   25                           | 0   53                    |
| 2   42   3   18         | 16   51                      | 17   56                       | 46   38                           | 0   53                    |
| 2   48   3   12         | 16   53                      | 18   0                        | 46   49                           | 0   55                    |
| 2   54   3   6          | 16   54                      | 18   3                        | 46   55                           | 0   56                    |
| 3   0   3   0           | 16   55                      | 18   4                        | 46   57                           | 0   56                    |

16-45-

15-52  
1645

16-23  
16-45

Tabula equatiois diuerſitati aspectus Sive  
Tabula Attacium.

Cinque numeri  
cōmunes

Minuta  
propor-  
tionalia  
lōgitu-  
dinum

Portio  
lōgitu-  
dinis

Epichorus

Eccentricus

Tabula reflexio-  
nis tenebrarū  
in vtraq;  
eclipsi



| h | g  | h | g  | m  | z  | m  | z  | m  | z  | p                                                                                                                                                                                                            | g  | g  | g  |
|---|----|---|----|----|----|----|----|----|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|
| 0 | 6  | 5 | 54 | 0  | 12 | 0  | 21 | 0  | 0  | 0                                                                                                                                                                                                            | 90 | 90 | 0  |
| 0 | 12 | 5 | 48 | 0  | 42 | 0  | 42 | 0  | 0  | 1                                                                                                                                                                                                            | 67 | 73 | 0  |
| 0 | 18 | 5 | 42 | 1  | 34 | 1  | 42 | 0  | 1  | 2                                                                                                                                                                                                            | 57 | 60 | 0  |
| 0 | 24 | 5 | 36 | 2  | 42 | 2  | 42 | 1  | 2  | 3                                                                                                                                                                                                            | 49 | 59 | 0  |
| 0 | 30 | 5 | 30 | 3  | 54 | 4  | 1  | 1  | 3  | 4                                                                                                                                                                                                            | 43 | 54 | 0  |
| 0 | 36 | 5 | 24 | 5  | 21 | 5  | 21 | 1  | 4  | 5                                                                                                                                                                                                            | 37 | 50 | 0  |
| 0 | 42 | 5 | 18 | 7  | 13 | 7  | 13 | 2  | 5  | 6                                                                                                                                                                                                            | 31 | 46 | 0  |
| 0 | 48 | 5 | 12 | 9  | 15 | 0  | 15 | 2  | 6  | 7                                                                                                                                                                                                            | 26 | 43 | 0  |
| 0 | 54 | 5 | 6  | 11 | 33 | 11 | 37 | 2  | 8  | 8                                                                                                                                                                                                            | 21 | 39 | 0  |
| 1 | 0  | 5 | 0  | 14 | 0  | 14 | 0  | 3  | 9  | 9                                                                                                                                                                                                            | 16 | 36 | 0  |
| 1 | 6  | 4 | 54 | 16 | 41 | 16 | 48 | 3  | 11 | 10                                                                                                                                                                                                           | 11 | 31 | 0  |
| 1 | 12 | 4 | 48 | 19 | 36 | 19 | 36 | 4  | 13 | 11                                                                                                                                                                                                           | 6  | 29 | 0  |
| 1 | 18 | 4 | 42 | 22 | 36 | 22 | 36 | 4  | 14 | 12                                                                                                                                                                                                           | 2  | 36 | 90 |
| 1 | 24 | 4 | 36 | 25 | 36 | 25 | 36 | 5  | 16 | 13                                                                                                                                                                                                           | 0  | 23 | 64 |
| 1 | 30 | 4 | 30 | 28 | 42 | 28 | 42 | 6  | 17 | 14                                                                                                                                                                                                           | 0  | 21 | 52 |
| 1 | 36 | 4 | 24 | 31 | 48 | 31 | 48 | 6  | 19 | 15                                                                                                                                                                                                           | 0  | 19 | 43 |
| 1 | 42 | 4 | 18 | 34 | 54 | 31 | 54 | 7  | 21 | 16                                                                                                                                                                                                           | 0  | 15 | 36 |
| 1 | 48 | 4 | 12 | 38 | 0  | 38 | 0  | 8  | 22 | 17                                                                                                                                                                                                           | 0  | 12 | 29 |
| 1 | 54 | 4 | 6  | 41 | 0  | 41 | 0  | 8  | 24 | 18                                                                                                                                                                                                           | 0  | 10 | 22 |
| 2 | 0  | 4 | 0  | 44 | 0  | 44 | 0  | 9  | 26 | 19                                                                                                                                                                                                           | 0  | 7  | 16 |
| 2 | 6  | 3 | 54 | 47 | 7  | 46 | 45 | 9  | 27 | 20                                                                                                                                                                                                           | 0  | 4  | 10 |
| 2 | 12 | 3 | 48 | 49 | 30 | 49 | 30 | 10 | 28 | 21                                                                                                                                                                                                           | 0  | 2  | 4  |
| 2 | 18 | 3 | 42 | 51 | 50 | 51 | 39 | 10 | 29 | Finis Eclipsio 2.unc<br>et initū ei⁹ reflexionis<br>Finis Eclipsio 2.unc<br>et finis ei⁹ reflexionis<br>Finis Eclipsio Solis<br>et finis ei⁹ reflexionis<br>Finis Eclipsio 1.unc<br>et finis ei⁹ reflexionis |    |    |    |
| 2 | 24 | 3 | 36 | 53 | 48 | 53 | 42 | 11 | 30 |                                                                                                                                                                                                              |    |    |    |
| 2 | 30 | 3 | 30 | 55 | 34 | 55 | 34 | 11 | 30 |                                                                                                                                                                                                              |    |    |    |
| 2 | 36 | 3 | 24 | 57 | 15 | 57 | 15 | 11 | 31 |                                                                                                                                                                                                              |    |    |    |
| 2 | 42 | 3 | 18 | 58 | 31 | 58 | 18 | 12 | 31 |                                                                                                                                                                                                              |    |    |    |
| 2 | 48 | 3 | 12 | 59 | 27 | 49 | 21 | 12 | 32 |                                                                                                                                                                                                              |    |    |    |
| 2 | 54 | 3 | 6  | 59 | 51 | 59 | 41 | 12 | 32 |                                                                                                                                                                                                              |    |    |    |
| 3 | 0  | 3 | 0  | 60 | 0  | 60 | 0  | 12 | 32 |                                                                                                                                                                                                              |    |    |    |

reflexio

| Tabula<br>ad longitudinē logiorē |           |                     |    | Eclipsis<br>ad longitudinē pporē |           |                     |    | Solis                                              |              |
|----------------------------------|-----------|---------------------|----|----------------------------------|-----------|---------------------|----|----------------------------------------------------|--------------|
| Latitu<br>do Lu<br>ne visa       | pu<br>cta | Al<br>nuta<br>casus |    | Latitu<br>do Lu<br>ne visa       | pu<br>cta | Al<br>nuta<br>casus |    | Tabella de Colorib <sup>o</sup><br>Eclipsium Solis |              |
| m̄                               | z         | p                   | m̄ | z                                | p         | m̄                  | z  | 5                                                  | Longitudinis |
| 31                               | 0         | 0                   | 0  | 0                                | 34        | 0                   | 0  |                                                    | A Modo       |
| 18                               | 18        | 1                   | 12 | 39                               | 31        | 18                  | 1  | 13                                                 | 16           |
| 25                               | 35        | 2                   | 17 | 30                               | 28        | 35                  | 2  | 18                                                 | 25           |
| 22                               | 52        | 3                   | 20 | 15                               | 25        | 53                  | 3  | 22                                                 | 2            |
| 20                               | 17        | 4                   | 23 | 33                               | 23        | 10                  | 4  | 24                                                 | 50           |
| 17                               | 28        | 5                   | 25 | 36                               | 20        | 20                  | 5  | 27                                                 | 9            |
| 14                               | 41        | 6                   | 27 | 36                               | 17        | 45                  | 6  | 29                                                 | 0            |
| 12                               | 3         | 7                   | 28 | 34                               | 15        | 3                   | 7  | 30                                                 | 30           |
| 9                                | 20        | 8                   | 29 | 33                               | 12        | 20                  | 8  | 31                                                 | 56           |
| 6                                | 38        | 9                   | 30 | 17                               | 9         | 38                  | 9  | 32                                                 | 37           |
| 3                                | 55        | 10                  | 30 | 45                               | 6         | 55                  | 10 | 33                                                 | 16           |
| 1                                | 3         | 11                  | 30 | 59                               | 4         | 13                  | 11 | 33                                                 | 44           |
| 0                                | 0         | 12                  | 31 | 0                                | 1         | 30                  | 12 | 33                                                 | 48           |
|                                  |           |                     |    |                                  | 0         | 0                   | 12 | 34                                                 | 0            |

¶ Pars duodecima  
puncti equalis ad  
Solem & Lunam

¶ Tabula quantitatis te,  
nebrarū in vtraq;  
Eclipsi.

| Dun                 |                  |                  | Dun                 |                  |                  | Tabella de colorib <sup>o</sup><br>Eclipsiū Lune. |              |                  |
|---------------------|------------------|------------------|---------------------|------------------|------------------|---------------------------------------------------|--------------|------------------|
| Dia.<br>me.<br>tri. | ad<br>So.<br>lem | ad<br>Lu.<br>nam | Dia.<br>me.<br>tri. | ad<br>So.<br>lem | ad<br>Lu.<br>nam |                                                   |              |                  |
| ○                   |                  |                  | ○                   |                  |                  | 5                                                 | Longitudinis |                  |
| p                   | p                | m̄               | p                   | p                | m̄               | 10                                                | 11           | igrū presum      |
| 1                   | 0                | 20               | 0                   | 30               |                  |                                                   |              |                  |
| 2                   | 1                | 0                | 1                   | 10               |                  |                                                   |              |                  |
| 3                   | 1                | 45               | 2                   | 8                |                  | 20                                                | 12           | igrū cū viridi   |
| 4                   | 2                | 40               | 3                   | 10               |                  |                                                   |              | (tate & aureo.   |
| 5                   | 3                | 40               | 4                   | 10               |                  | 30                                                | 13           | igrū subrubē     |
| 6                   | 4                | 40               | 5                   | 30               |                  | 40                                                |              | Glaucum cum      |
| 7                   | 5                | 50               | 6                   | 45               |                  |                                                   |              | (pallore         |
| 8                   | 7                | 0                | 8                   | 0                |                  | 50                                                | 14           | Pallida & grisea |
| 9                   | 8                | 20               | 9                   | 10               |                  | 60                                                |              | Grisea cum al    |
| 10                  | 9                | 40               | 10                  | 20               |                  |                                                   |              | (bedine.         |
| 11                  | 10               | 50               | 11                  | 20               |                  |                                                   |              |                  |
| 12                  | 12               | 0                | 12                  | 0                |                  | 90                                                |              | Rufum            |

Tabula Eclipsis

Lune

ad  
longitudinē  
longiore

Tabula Eclipsis

Lune

ad  
longitudinē  
longiore

3

Latitudo  
Lune  
m' 2'

Dū  
cta

ad sinu  
ta ca  
sus

ad si  
nuta  
more

Latitudo  
Lune  
m' 2'

Dū  
cta

ad sinu  
ta ca  
sus

ad si  
nuta  
more

m' 2'

53 0 0 0 0 0

50 33 1 15 55 0 0

48 5 2 22 18 0 0

45 38 3 26 56 0 0

43 10 4 30 45 0 0

40 43 5 33 55 0 0

38 15 6 36 22 0 0

35 48 7 39 5 0 0

33 22 8 41 52 0 0

30 53 9 43 5 0 0

28 25 10 45 44 0 0

25 58 11 46 12 0 0

23 30 12 47 30 0 0

21 3 13 38 11 10 32

18 35 14 35 14 14 13

16 8 15 33 24 17 5

13 40 16 32 5 19 7

11 13 17 31 9 20 39

8 45 18 30 27 21 49

6 18 19 29 58 22 39

3 50 20 29 41 23 11

1 23 21 29 31 23 28

0 0 22 29 30 23 30

m' 2'

63 36 0 0 0 0

60 39 1 19 9 0 0

57 43 2 27 10 0 0

54 46 3 32 35 0 0

51 49 4 36 35 0 0

48 53 5 40 42 0 0

45 56 6 43 52 0 0

42 59 7 47 13 0 0

40 3 8 49 25 0 0

37 6 9 51 40 0 0

34 9 10 53 39 0 0

31 13 11 55 25 0 0

28 16 12 56 29 0 0

25 19 13 45 47 12 35

22 23 14 41 15 17 16

19 26 15 40 2 20 32

16 29 16 38 27 22 38

13 33 17 37 20 24 18

10 36 18 36 27 26 2

7 40 19 35 35 27 12

4 43 20 35 22 27 52

1 46 21 35 20 28 13

0 0 22 0 0 28 16

Tabula Proportionis augmentata per duos & adus

| Pro. adinu. |       | Pro. adinu. |       | Pro. adinu. |       |
|-------------|-------|-------------|-------|-------------|-------|
| por.        | ta.   | por.        | ta.   | por.        | ta.   |
| tio.        | pro.  | tio.        | pro.  | tio.        | pro.  |
|             | por.  |             | por.  |             | por.  |
|             | tio.  |             | tio.  |             | tio.  |
| 5           | nalia | 5           | nalia | 5           | nalia |
| 0           |       | 1           |       | 1           |       |
| 5           | m 2   | 5           | m 2   | 5           | m 2   |
| 1           | 0 1   | 1           | 14 52 | 1           | 45 0  |
| 4           | 0 6   | 4           | 15 45 | 4           | 46 0  |
| 6           | 0 12  | 6           | 16 41 | 6           | 47 7  |
| 8           | 0 20  | 8           | 17 38 | 8           | 47 46 |
| 10          | 0 30  | 10          | 18 36 | 10          | 48 57 |
| 12          | 0 41  | 12          | 19 36 | 12          | 49 30 |
| 14          | 0 57  | 14          | 20 36 | 14          | 50 19 |
| 16          | 1 15  | 16          | 21 36 | 16          | 51 6  |
| 18          | 1 34  | 18          | 22 36 | 18          | 51 50 |
| 20          | 1 55  | 20          | 23 36 | 20          | 52 31 |
| 22          | 2 18  | 22          | 24 36 | 22          | 53 11 |
| 24          | 2 41  | 24          | 25 36 | 24          | 53 48 |
| 26          | 3 5   | 26          | 26 38 | 26          | 54 24 |
| 28          | 3 25  | 28          | 27 40 | 28          | 54 59 |
| 30          | 3 54  | 30          | 28 31 | 30          | 55 34 |
| 32          | 4 21  | 32          | 29 44 | 32          | 56 8  |
| 34          | 4 50  | 34          | 30 46 | 34          | 56 42 |
| 36          | 5 21  | 36          | 31 48 | 36          | 57 15 |
| 38          | 5 57  | 38          | 32 50 | 38          | 58 43 |
| 40          | 6 34  | 40          | 33 52 | 40          | 58 8  |
| 42          | 7 13  | 42          | 34 54 | 42          | 58 31 |
| 44          | 7 52  | 44          | 35 56 | 44          | 58 50 |
| 46          | 8 32  | 46          | 36 58 | 46          | 59 7  |
| 48          | 9 15  | 48          | 38 0  | 48          | 59 21 |
| 50          | 10 0  | 50          | 39 0  | 50          | 59 33 |
| 52          | 10 46 | 52          | 40 0  | 52          | 59 43 |
| 54          | 11 33 | 54          | 41 0  | 54          | 59 51 |
| 56          | 12 21 | 56          | 42 0  | 56          | 59 56 |
| 58          | 13 10 | 58          | 43 0  | 58          | 58 58 |
| 0           | 14 0  | 0           | 44 0  | 0           | 60 0  |

Tabula Eclipsis Solis ad  
Longitudinē longiorē

Arg. Lat. Pūcta adinu/  
Sept. Ecl. ta ca

5 5 pñs ius

0 2

5 m 5 m 5 m 5 m

6 37 53 23 0 0 0 0

6 30 53 30 0 11 5 30

6 0 54 0 1 5 13 7

5 30 54 30 1 55 17 10

5 0 55 0 2 45 20 10

4 30 55 30 3 37 22 41

4 0 56 0 4 29 24 41

3 30 56 30 5 21 26 15

3 0 57 0 6 13 27 21

2 30 57 30 7 6 28 39

2 0 58 0 7 57 29 18

1 30 58 30 8 48 30 7

1 0 59 0 9 39 30 34

0 30 59 30 10 32 30 51

0 0 0 0 10 45 30 55

Tabula Eclipsis Solis ad  
Longitudinē longiorē

Arg. Lat. Pūcta adinu/  
Mef. Ecl. ta ca

5 5 pñs ius

3 5

5 m 5 m p m m 2

7 1 52 40 0 0 0 0

7 0 53 0 0 17 7 56

6 30 53 30 1 9 14 11

6 0 54 0 2 0 18 32

5 30 54 30 2 53 21 37

5 0 55 0 3 45 24 2

4 30 55 30 4 37 26 12

4 0 56 0 5 28 27 53

3 30 56 30 6 20 29 17

3 0 57 0 7 12 30 19

2 30 57 30 8 5 31 31

2 0 58 0 8 56 32 15

1 30 58 30 9 37 32 49

1 0 59 0 10 48 33 15

0 30 0 30 11 30 33 30

0 0 0 0 12 44 33 54

5 Mef. 5

2 3

5 m 5 m p m m 2

59 30 0 30 10 31 30 51

59 0 1 0 9 39 30 34

58 30 1 30 8 48 30 7

58 0 2 0 7 57 29 18

57 30 2 30 7 6 28 39

57 0 3 0 6 13 27 21

56 30 3 30 5 21 26 15

56 0 4 0 4 29 24 41

55 30 4 30 3 37 22 41

55 0 5 0 2 45 20 10

54 30 5 30 1 55 17 10

54 0 6 0 1 5 13 7

53 30 6 30 0 11 5 30

53 0 7 0 0 0 0 0

5 Sept. 5

2 3

5 m 5 m p m m 2

59 30 0 30 11 30 33 30

59 0 1 0 10 48 33 15

58 30 1 30 9 37 32 45

58 0 2 0 8 56 32 15

57 30 2 30 8 5 31 31

57 0 3 0 7 12 30 19

56 30 3 30 6 20 29 17

56 0 4 0 5 28 27 13

55 30 4 30 4 37 26 12

55 0 5 0 3 45 23 2

54 30 5 30 2 53 21 17

54 0 6 0 2 0 18 32

53 30 6 30 1 9 14 16

53 0 7 0 0 17 17 16

52 30 7 30 0 0 0 0

Tabula Eclipsis Lune ad longitudinē longiorē in epicyclo.



| Argumentū<br>Latitudinis<br>Septentrional |       | Argumentū<br>Latitudinis<br>Meridional |       | Ducta<br>Ecli-<br>psis | Mi-<br>nuta<br>casus | Mi-<br>nuta<br>more |
|-------------------------------------------|-------|----------------------------------------|-------|------------------------|----------------------|---------------------|
| §                                         | §     | §                                      | §     |                        |                      |                     |
| 0                                         | 1     | 3                                      | 5     |                        |                      |                     |
| § m                                       | § m   | § m                                    | § m   | § m                    | § m                  | § m                 |
| II 0                                      | 49 0  | II 0                                   | 49 30 | 0 0                    | 0 0                  | 0 0                 |
| IO 30                                     | 49 30 | IO 30                                  | 49 30 | 0 40                   | 12 10                | 0 0                 |
| IO 0                                      | 50 0  | IO 0                                   | 50 0  | 1 40                   | 19 30                | 0 0                 |
| 9 30                                      | 50 30 | 9 30                                   | 50 30 | 2 40                   | 24 32                | 0 0                 |
| 9 0                                       | 51 0  | 9 0                                    | 51 0  | 3 35                   | 28 7                 | 0 0                 |
| 8 30                                      | 51 30 | 8 30                                   | 51 30 | 4 32                   | 31 13                | 0 0                 |
| 8 0                                       | 52 0  | 8 0                                    | 52 0  | 5 30                   | 34 10                | 0 0                 |
| 7 30                                      | 52 30 | 7 30                                   | 52 30 | 6 25                   | 36 17                | 0 0                 |
| 7 0                                       | 53 0  | 7 0                                    | 53 0  | 7 23                   | 38 42                | 0 0                 |
| 6 30                                      | 53 30 | 6 30                                   | 53 30 | 8 21                   | 40 28                | 0 0                 |
| 6 0                                       | 54 0  | 6 0                                    | 54 0  | 9 20                   | 42 11                | 0 0                 |
| 5 30                                      | 54 30 | 5 30                                   | 54 30 | 10 17                  | 43 36                | 0 0                 |
| 5 0                                       | 55 0  | 5 0                                    | 55 0  | 11 14                  | 44 52                | 0 0                 |
| 4 30                                      | 55 30 | 4 30                                   | 55 30 | 12 11                  | 46 4                 | 0 0                 |
| 4 0                                       | 56 0  | 4 0                                    | 56 0  | 13 9                   | 36 42                | 10 21               |
| 3 30                                      | 56 30 | 3 30                                   | 56 30 | 14 7                   | 34 1                 | 13 47               |
| 3 0                                       | 57 0  | 3 0                                    | 57 0  | 15 4                   | 32 44                | 15 48               |
| 2 30                                      | 57 30 | 2 30                                   | 57 30 | 16 2                   | 31 38                | 17 38               |
| 2 0                                       | 58 0  | 2 0                                    | 58 0  | 17 0                   | 30 31                | 19 14               |
| 1 30                                      | 58 30 | 1 30                                   | 58 30 | 17 57                  | 30 3                 | 20 12               |
| 1 0                                       | 59 0  | 1 0                                    | 59 0  | 18 53                  | 29 52                | 20 52               |
| 0 30                                      | 59 30 | 0 30                                   | 59 30 | 19 50                  | 29 19                | 21 16               |
| 0 0                                       | 60 0  | 0 0                                    | 60 0  | 20 46                  | 29 16                | 21 22               |



Tabula Eclipsis Lune ad Longitudinē propiorē in epicyclo.

43



| Argumentū<br>Latitudinis<br>Septentrional' |       | Argumentū<br>Latitudinis<br>Meridional' |       | Dīcta<br>Ecli-<br>psis | M <sup>di</sup><br>nuta<br>calus | M <sup>di</sup><br>nuta<br>more |
|--------------------------------------------|-------|-----------------------------------------|-------|------------------------|----------------------------------|---------------------------------|
| g                                          | g     | g                                       | g     |                        |                                  |                                 |
| 0                                          | 1     | 3                                       | 5     |                        |                                  |                                 |
| g m                                        | g m   | g m                                     | g m   | p m                    | m 2                              | m 2                             |
| 13 0                                       | 47 0  | 13 0                                    | 47 0  | 0 26                   | 12 25                            | 0 0                             |
| 12 30                                      | 47 30 | 12 30                                   | 47 30 | 1 13                   | 20 51                            | 0 0                             |
| 12 0                                       | 48 0  | 12 0                                    | 48 0  | 2 2                    | 26 7                             | 0 0                             |
| 11 30                                      | 48 30 | 11 30                                   | 48 30 | 2 50                   | 30 23                            | 0 0                             |
| 11 0                                       | 49 0  | 11 0                                    | 49 0  | 3 36                   | 34 27                            | 0 0                             |
| 10 30                                      | 49 30 | 10 30                                   | 49 30 | 4 34                   | 37 0                             | 0 0                             |
| 10 0                                       | 50 0  | 10 0                                    | 50 0  | 5 29                   | 41 27                            | 0 0                             |
| 9 30                                       | 50 30 | 9 30                                    | 50 30 | 6 10                   | 43 26                            | 0 0                             |
| 9 0                                        | 51 0  | 9 0                                     | 51 0  | 6 54                   | 45 21                            | 0 0                             |
| 8 30                                       | 51 30 | 8 30                                    | 51 30 | 7 41                   | 47 25                            | 0 0                             |
| 8 0                                        | 52 0  | 8 0                                     | 52 0  | 8 31                   | 49 28                            | 0 0                             |
| 7 30                                       | 52 30 | 7 30                                    | 52 30 | 9 26                   | 51 6                             | 0 0                             |
| 7 0                                        | 53 0  | 7 0                                     | 53 0  | 10 11                  | 52 44                            | 0 0                             |
| 6 30                                       | 53 30 | 6 30                                    | 53 30 | 10 54                  | 54 9                             | 0 0                             |
| 6 0                                        | 54 0  | 6 0                                     | 54 0  | 11 43                  | 55 20                            | 0 0                             |
| 5 30                                       | 54 30 | 5 30                                    | 54 30 | 12 35                  | 47 14                            | 9 7                             |
| 5 0                                        | 55 0  | 5 0                                     | 55 0  | 13 27                  | 43 53                            | 14 9                            |
| 4 30                                       | 55 30 | 4 30                                    | 55 30 | 14 25                  | 40 54                            | 17 25                           |
| 4 0                                        | 56 0  | 4 0                                     | 56 0  | 15 0                   | 39 9                             | 19 57                           |
| 3 0                                        | 56 30 | 3 30                                    | 56 30 | 15 50                  | 37 50                            | 21 57                           |
| 3 0                                        | 57 0  | 3 0                                     | 57 0  | 16 38                  | 36 51                            | 23 32                           |
| 2 30                                       | 57 30 | 2 30                                    | 57 30 | 17 25                  | 36 0                             | 24 49                           |
| 2 0                                        | 58 0  | 2 0                                     | 58 0  | 18 15                  | 35 31                            | 25 47                           |
| 1 30                                       | 58 30 | 1 30                                    | 58 30 | 19 5                   | 35 5                             | 26 32                           |
| 1 0                                        | 59 0  | 1 0                                     | 59 0  | 19 54                  | 34 49                            | 27 2                            |
| 0 30                                       | 59 30 | 0 30                                    | 59 30 | 20 43                  | 34 40                            | 27 16                           |
| 0 0                                        | 60 0  | 0 0                                     | 60 0  | 21 31                  | 34 35                            | 27 27                           |

**Tabula radicu tempo**  
rū i introitū Solis i  
pncipijs signozū: ad  
meridianū Vlenetij  
cū equatione dierū:  
ad annos xpi. 1371. Numeri  
q fuit ann<sup>o</sup> bisextil.

**Tabula reuolutiois**  
tempoz annoz mūdi:  
natiuitatū z edificioz  
in suis fractionib<sup>o</sup>. s.  
horaz z minutoz e.  
qualium zc.  
cōes

**Et nota q tempus q inue-**  
niet cum istis radicibus  
esset temp<sup>o</sup> p<sup>o</sup> anno xpī cōpleto  
1372. z p ingressu i m z X  
essent pzo anuo impfecto  
Ebraiū. 1373. zc

| Di. hō. m. 2. 3. 4. | annoz hō. m. 2. 3. 4. | Adenses Di. hō. m. 2. 3. 4. |
|---------------------|-----------------------|-----------------------------|
| In V mē. Martij     | 1 5 49 15 43 52       | 1 28 1 17 38 9 12           |
| II 5 41 21 16 18    | 2 II 38 31 27 24      | 2 56 4 35 16 18 24          |
|                     | 3 17 27 47 II 6       | 3 84 6 52 54 27 26          |
| In 8 mē. April.     | 4 23 17 2 54 48       | 4 112 9 10 32 36 47         |
| 10 13 20 8 0 0      | 5 5 6 18 38 30        | 5 140 11 28 10 45 59        |
|                     | 6 10 55 34 22 12      | 6 168 13 45 48 55 11        |
| In II mē. Maij      | 7 16 44 50 5 54       | 7 196 16 3 27 41 23         |
| 12 5 20 29 16 18    | 8 12 34 5 49 36       | 8 224 18 21 5 13 35         |
|                     | 9 4 23 21 33 18       | 9 252 20 38 43 22 47        |
| In 69 mē. Jun.      | 10 10 12 37 17 0      | 10 280 22 56 21 31 59       |
| 12 18 2 48 16 18    | 11 16 1 53 0 42       | 11 308 1 13 59 41 10        |
|                     | 12 21 51 8 54 24      | 12 337 3 31 37 50 22        |
| In 9 mē. Jul.       | 13 3 40 24 28 6       | 13 365 5 49 15 59 34        |
| 14 6 49 4 41 18     | 14 9 29 40 11 48      |                             |
| In 17 mē. Augu.     | 15 15 18 55 55 30     |                             |
| 14 12 47 4 37 18    | 16 21 8 11 39 12      |                             |
|                     | 17 2 57 27 22 54      |                             |
| In 1 mē. Septēb.    | 18 8 46 43 6 36       |                             |
| 16 6 22 39 16 18    | 19 14 35 58 50 18     |                             |
| In 11 mē. Octob.    | 20 20 25 14 34 0      |                             |
| 14 9 57 38 16 18    | 40 16 50 29 8 0       |                             |
|                     | 60 13 15 43 42 0      |                             |
| In 14 mē. Nouēb.    | 80 9 40 58 16 0       |                             |
| 13 0 57 24 16 18    | 100 6 6 12 50 0       |                             |
|                     | 200 12 12 25 40 0     |                             |
| In 10 mē. Decēb.    | 300 18 18 38 30 0     |                             |
| 12 8 47 58 16 18    | 400 0 24 51 20 0      |                             |
|                     | 500 6 31 4 10 0       |                             |
| In 1 mē. Ian.       | 600 6 31 4 10 0       |                             |
| 10 16 52 14 16 18   | 700 18 43 29 50 0     |                             |
|                     | 800 0 49 42 40 0      |                             |
| In 10 mē. Feb.      |                       |                             |
| 9 7 52 0 0 0        |                       |                             |

**Tabula addinonis dierū**

| Dies. 6. m. | Dies. 6. m. |
|-------------|-------------|
| 1 13 13     | 16 22 27    |
| 2 7 16      | 17 23 6 40  |
| 3 41 39     | 18 24 9 53  |
| 4 55 52     | 19 26 3 5   |
| 5 69 5      | 20 22 7 18  |
| 6 83 17     | 21 29 1 31  |
| 7 97 30     | 22 30 5 44  |
| 8 111 43    | 23 31 9 57  |
| 9 124 56    | 24 33 3 10  |
| 10 138 56   | 25 34 7 23  |
| 11 152 12   | 26 0 36     |
| 12 166 35   | 27 14 49    |
| 13 180 48   | 28 28 2     |
| 14 194 1    | 30 11       |
| 15 208 14   | 0 0         |

**Radices graduum eq  
noctaliū existētes in  
horizonte: h ē Ascē  
dētes Venetys**

**Tabula reuolutionis Ascendentū annorū  
mundi natiuitatum ⁊ edificiorū  
Numeri**

|                                  | annorū | g   | m  | z  | z  | z  | z |
|----------------------------------|--------|-----|----|----|----|----|---|
| ad ānos xpi. 1371.               | 1      | 87  | 18 | 55 | 55 | 30 |   |
| cōpletos Et ascēdētia            | 2      | 174 | 37 | 51 | 51 | 0  |   |
| q̄ iuenerēt cū iur radi.         | 3      | 261 | 56 | 47 | 46 | 30 |   |
| cib <sup>o</sup> essēt ascēdētia | 4      | 349 | 15 | 43 | 42 | 0  |   |
| pāno xpi cōple-                  | 5      | 76  | 34 | 39 | 37 | 30 |   |
| to 1371 ec. vt s̄                | 6      | 163 | 53 | 35 | 33 | 0  |   |
| g   m   z   z   z                | 7      | 251 | 12 | 31 | 28 | 30 |   |
| v                                | 8      | 338 | 31 | 27 | 24 | 0  |   |
| 175   20   19   4   30           | 9      | 65  | 50 | 23 | 19 | 30 |   |
| γ                                | 10     | 153 | 9  | 19 | 15 | 0  |   |
| 107   21   19   4   29           | 11     | 240 | 28 | 15 | 10 | 30 |   |
| ii                               | 12     | 327 | 47 | 11 | 6  | 0  |   |
| 127   54   19   4   30           | 13     | 55  | 6  | 7  | 1  | 30 |   |
| iii                              | 14     | 142 | 25 | 2  | 57 | 0  |   |
| 190   42   4   4   30            | 15     | 229 | 43 | 58 | 52 | 30 |   |
| δ                                | 16     | 317 | 2  | 54 | 48 | 0  |   |
| 314   29   1   4   30            | 17     | 44  | 21 | 50 | 43 | 30 |   |
| iv                               | 18     | 131 | 40 | 46 | 39 | 0  |   |
| 73   53   9   4   30             | 19     | 218 | 59 | 42 | 34 | 30 |   |
| v                                | 20     | 306 | 18 | 38 | 30 | 0  |   |
| 513   49   4   30                | 40     | 252 | 37 | 17 | 0  | 30 |   |
| vi                               | 60     | 198 | 55 | 55 | 30 | 0  |   |
| 87   17   34   4   30            | 80     | 145 | 14 | 34 | 0  | 30 |   |
| z                                | 100    | 91  | 33 | 12 | 30 | 0  |   |
| 342   8   4   4   30             | 100    | 183 | 6  | 25 | 0  | 30 |   |
| z                                | 300    | 274 | 39 | 37 | 30 | 0  |   |
| 132   0   34   0   30            | 400    | 6   | 12 | 50 | 0  | 30 |   |
| z                                | 500    | 97  | 46 | 2  | 30 | 0  |   |
| 285   9   49   4   30            | 600    | 189 | 19 | 15 | 0  | 30 |   |
| x                                | 700    | 280 | 52 | 27 | 30 | 0  |   |
| 180   7   0   0   0              | 1800   | 12  | 25 | 40 | 0  | 30 |   |

56

137

025

162

162

156

006

162

55

55

55

56

27

13

4

8476

76

854

**Explicunt Tabule tabularum Astronomicæ Dni Altonsi Romanorum ⁊  
Lantelleri regis illustrissimi: Opera ⁊ arte mirifica viri solertis Johānis Ham-  
man de Landoia dictus Hertzog Curag sua nō mediocri: impressiōe com-  
plete existunt felicibus astris. Anno a Prima Rex etherearū circuitione.  
8476. Sole in partē. 18. gradiente Scorpij Sub celo Veneto. Anno Sa-  
lutis. 1492 Currente: Pridie Kalē. Nouemb̄.**

Venetys.

1627  
1472

1562  
1492

10135

1562



querendo in tabula istū nūm̄ eum itē nō inuenio p̄cise: accipio ergo iterum  
 numerū propinquiorē: hūc videlicet 4. 10. 3. 50. 2. 43. 1. 45. Quis annos in  
 directo sibi cor̄spondentes iterum extra notabo: videlicet. 500. Residuū quorū  
 iterum ex subtractione minoris 2c. pueniēs est hoc: videlicet 3. 9. 3. 18. 1. 13  
 Sed querēdo itē nō inuenio eū vt 3. numer⁹ minor propinquior est iste 3. 8.  
 2. 7. 1. 0. Qui anni cor̄sntes sūt. 8. Residuū iterū mō q̄ s̄ pueniēs ē 5. 3. 1. 2  
 26. 1. 13. Quod querendo quia non inuenio id in tabula annorū collectoz: sed  
 in tabella annorū expansoz: non tñ p̄cise inuenio. iccirco accipio iterum nume  
 rum propinquiorē minorē: hūc videlicet 3. 1. 2. 19. 1. 8. Quis annos cor̄e  
 spondētes iterum noto extra: videlicet. 13. Residuū vltimo ex his subtrahēdo  
 p̄ueniēs: quia querēdo ipsum non inuenio in vtriusq; tabellis: inuenio id in ta  
 bella mensium inferiorū: quia annus est bisextilis: sed non p̄cise. Minor igit 2  
 propinquior est iste: videlicet 1. 2. 1. 5. Qui cor̄spondēt menses. 4. Et ex sub  
 tractione istorum vltimo duorum restant. 5. qui sūt dies. Qui anni ita extra  
 scripti simul additi erunt illi qui a quartis tertijs 2c. illius ere continebant nu  
 mero. s. 4593. Menses. 4. Dies. 5. Et hoc est propositum. ¶ Per istam propo  
 sitionē 2 duas p̄cedētes Ere cuiusq; volueris poteris habere nōticiam: dum  
 tñ aliqua ex eris hic positū sit tibi nota. Notes enī verbi gr̄a cognoscere p̄  
 m̄ā propositionē 4. 3. 2 et 1 transacta a tēpore Christi vsq; in tēpus p̄sens  
 Per tertiā p̄o propositionē 4. 3. 2 et 1 a tēpore Diluuij vsq; ad tēpus Chri  
 sti. Et per p̄sentem propositionē poteris scire annos a tēpore diluuij vsq; in  
 p̄sens tēpus. Et est idem in omnib⁹ alijs eris 2c.

### Propositio

### Quarta.



Quarum propositarū: 2 minorū hore: 2 aliarū fractionū  
 ad minuta 2 alias fractiōes dierum per tabulas ad hoc fa  
 ctas reducere. ¶ Cū tibi hoc cōtigerit scire Intra tabulā  
 cōuersionis horarū in minuta 2 1 dierū: 2 quere numerū  
 horarū propositarū in linea que intitulat hore. 2 minu  
 ta que in directo inuenies scribe extra. Deinde cum nume  
 ro minorū hore intra tabulam que intitulat Tabella ad  
 sciendum minuta dierum 2 eorū fractiōes per minuta horarum 2c. 2 querendo  
 numerū minorū hore in linea numeri: 2 illud quod inuenies in proxima linea  
 post lineam numeri sūt minuta dierum: 2 in sequenti 3 postea 3 sicut patet p  
 subscriptionē. Deinde si habes 2 hore: intra cum eis in eandem tabellam in li  
 nea numeri. 2 tunc illud quod inuenias in proxima linea post lineā numeri: sūt  
 2 dierum: 2 in sequenti 3 postea 4. Ultra si intras cum tertijs horarum: tunc  
 in proxima linea sūt 3 dierum. Et ita si cum q̄rtis horarū intras: tunc in proxi  
 ma inuenta linea sūt 4 dierum. 2 sic de alijs Quo facto adde omnia ad inuicē  
 quodlibet ad suū genus. 2 quod post additionē puerit: erunt minuta 2 2 3  
 et 4 dierum: horis propositis 2 horarū minutis secundis 2 tertijs equiualentia.  
 ¶ Sūt exēpli causa hore. 14. m. 36. horis p̄mo. 14. in linea numeri horarū inuē