



## **Philosophical Transactions**

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*The Longitudes, Latitudes, right Ascensions, and Declinations of the chiefest fixt Stars according to the best Observers; in a Letter from Mr. Edward Bernard, to the reverend and learned Dr. Rob. Huntington Provost of Trinity College near Dublin in Ireland.*

Edvardus Bernardus Roberto Huntingtonio S.

**D**UM dies aliquot rigidissimæ omnium brumæ, quarum apud vivos memoria, in Museo Mertonensi, ubi te nuper ac olim novimus, ego forte comburerem, crudamque tui absentiam opportunitate loci quadantenus lenirem: inter codices tuos Arabicos (numeras autem plus quadraginta doctrinæ & observationis Sideralis refertis) in Tabulis Ilchanicis studio Persæ præclari Choagæ Nasirodini Tufii factum offendi, ut precipui honoris stellas fixas secundum variorum Astronomorum varia observata, quæ Latæ ut Loquuntur, quæve illæ Longæ in cælo deprehendebantur, brevis pagina repræsentaret. Hoc ergo Canonion partim ex tuo peculio, ut vides, partim ab aliis adauxi. Non equidem quasi rem magnam mihi viderer adeo fecisse. Verum ut nostri homines sensum ac opinionem aliquam concipiant Astronomiæ Orientis, ubi arsea primum nata constat: aut subtiliora adhuc desiderent pro otio nostro ex Arabum Almagestis exponenda: aut potissimum, ut tu, Vir charissime, amicitia nostræ tesseram habeas non obscuram, sed notam tibi ac familiarem. Multa sane commendant Astronomiam Orientalium. Felicitas quidem & claritas regionum, ubi observatum: Machinarum granditas & accuratio, quantas plerique nostri credere nolunt coclo ipsos obvertisse. Contemplantium insuper numerus & scribentium, decuplo major quam apud Græcos Latinosque celebratur. Adde decuplo plures, munificentiores, ac potentiores Principes, qui viris boni ingenii sumtus & arma cælestia dederunt. Quid vero Astronomi Arabum in Cl. Ptolemæo, magno Constructore artis Cælestis, injuria nulla reprehenderint: quam illi sollicitè temporis minutias, per aquarum guttulas, immanibus Sciotheris, imo (mirabere) fili penduli vibrationibus, jam pridem distinxerint & mensurarint: quam etiam perite & accurate versaverint in magno molimine ingenii humani, de ambitu intervalloque binorum Lummarium & nostri Orbis, una epistola narrare non debet. Bene tibi, antiquissimi amicorum, bene philosophis Hibernis.

Dabam ex Bibliotheca vestra Orientali apud  
Oxoniam VI. KAL. Apriles. CI<sup>O</sup>CLXXXIII.

CANON PRÆCIPUARUM ESTELLIS FIXIS  
SECUNDUM OBSERVATA MAJORUM.

*m. Meridionalis.*  
*b. Borealis.*

*a Cl. Ptolemæo in magna  
Syntaxi an. Christi. 137.*

	<i>Long. Latit. Magnit.</i>
1. 34. <b>U</b> ltima Fluvii. ὁ ἐξατῶ ἑποταμῷ λαμπρός. } آخر النهر للظلم. أيلاذ. } κλίση. كلف الخضيب. χέρ βεβαιμύη. } 2. 12. Lucida cathedræ Cassiopeæ. ὁ δὴ μέση τῆ ἀνα } 3. 12. Persei caput Medusæum. ἑν τῆ γοργονείῳ ὁ } λαμπρός. γοργόνιον. Algol. رأس الغول. κεφαλή } ἵππου, rectius μορμύς. } 4. 14. Oculus Tauri austrinus. ὁ λαμπρός ἑ ὑάδων δὴ ἑ } νοπῆ ὀφθαλμῷ ὑπόκρητος. λαμπύρας. ὄμμα βοός, } الدبران. عين الثور. } 5. 35. Orionis pes sinister. ὁ ἐν τῆ ἀεισερῷ ἀκρόποδι τῆ } ὀρίωνος λαμπρός, ἑ ὑδατῶ κοινός. Rigel. πῦρ δ- } δύμων. رجل الجوزا اليسرى. } 6. 3. Capella Aurigæ. ὁ ἐπ' ἀεισερῷ ὄμω τῆ ἀνιόχου, κα- } λέμνος αἰξ. αἰξ, عيوق, Pleiadum remora. } 7. 2. Orionis humerus dexter. ὁ δὴ δεξιῷ ὄμω τῆ ὀ- } ρίωνος λαμπρός ὑπόκρητος. ὄμω δίδύμων. رجل الجوزا. } Aliquibus humerus sinister præcedens. } 8. 1. Sirius in ore Canis majoris. ὁ ἐν τῆ σύματι τῆ } κυυός λαμπρότατος, καλέμνος κύων, ὑπόκρητος. } σαῖρ ἰαμανή, شعري جماني, Sirius australior. } Alhabor, العبور, γαλακτοπόρι. } 9. 2. Procyon, aut Canis minor. ὁ χτ' ἑ ὀπίθιον ἑ } προκυωνός λαμπρός, καλέμνος προκυων. σαῖρ σαμῆ, } شعري شامي, Sirius borealior. Algomei- } fa, الغميصا, tamquam lippa. } 10. 8. Cor Leonis. ὁ δὴ ἑ καρδίας ἑ λέοντος, καλέμνος } βασιλίσκος. Regulus, قلب الأسد. الملكى. } 11. 14. Spica Virginis. ὁ δὴ τῆ ἀεισερῷ ἀκροχείρῳ ἑ } παρθένου, καλέμνος σάχης. μικρός κονταράτος, } سماك الاعزل, fulcrum inermis. السنبلة. }	<p>V 10 30'. 53 30' m. 1. al. 50'. V 7 50'. 51 40' b. 3. V 29 40'. 23 0' b. 2. al. 20'. δ 12 40'. 5 10' m. 1. al. 20'. δ 20 50'. 31 30' m. 1. δ 25 0'. 22 30' b. 1. II 2 0'. 17 0' m. 1. II 17 40'. 39 10 m. 1. al. 20'. II 29 30'. 16 10' m. 1. al. 10'. δ 2 30'. 0 10' b. 1. al. 10'. πρ 26 40'. 2 0' 6.</p>

CANON PRÆCIPUARUM E STELLIS FIXIS  
SECUNDUM OBSERVATA MAJORUM.

a Cl. Ptolemæo in magna  
Syntaxi an. Christi 137.

Long. Latit. Magnit.

12. 23. Arcturus. ὁ μεταξύ τῶν μύρων τῆ βούτου, καλέμενος  
αρκτέρος, ασόκωρος. كورنارأتوس. السماك الرايح, } mp 27 0'. 31 30' b. 1.  
τὸ ἔρεισμα τῆ ὀπίτης.
13. 8. Antares. τῆ ἐν τῇ σώματι τῆ σκορπίου ὁ μέσος καὶ  
ασόκωρος, καλέμενος ἀντάρης. καρδία σκορπίου, } ☉ 12 40'. 4 0' m. 2.  
قلب العقرب. } al. 20'.
14. 1. Caput Ophiuchi. ὁ ὅστις ἐ κεφαλῆς τῆ ὀφίεχου.  
راس الحوا, الراعي, ὀποιμῶ. } ☉ 7 24 50'. 36 0' b. 3.
15. 1. Lucida Lyrae. ὁ λαμπρὸς ὅστις τῆ ὀστράκου, καλέμενος  
λύρα. γυφ. καθευθῶ, النسر الواقع. } + 17 20'. 62 0' b. 1.
16. 3. Aquilæ lucida. ὁ ὅστις τῆ μεταφρένου τῆ αἰετῆ λαμ-  
πρὸς, καλέμενος αἰετός. γυφ. πετόμενος, النسر } ☉ 3 50'. 29 10' b. 2.  
الطائر.
17. 5. Lucida in cauda Cygni. ὁ ἐν τῇ ἕρᾳ τῆ ὄρνιθος  
λαμπρὸς, ἕρα ὄρνιθος, ردف. ذنب الدجاج, } ☉ 9 10'. 60 0' b. 2.  
ذئذوχوس.
18. 3. Lucida in crure dextro Pegasi. ὁ ὅστις τῆ δεξιῆ  
ἄμου τῆ ἵππου καὶ τῆς τῆ ποδὸς ἐκφύσεως. Seat. } ☉ 2 10'. 35 0' b. 2.  
ἄμος ἵππου. المنكب الغرب. الفرع المقدم.
19. 2. Alæ Pegasi ultima. ὁ ὅστις τῆς ὀσφύος τῆ ἵππου  
καὶ ἀκρου τῆ πτέρῃ αὐτῆ. πύγασος. Algenib. } ☉ 12 10'. 12 30' b. 2.  
الفرع المواخر, جناح الغرب.
20. 7. Persei lucidum latus. ὁ ἐν τῇ δεξιῇ πτέρῃ τῆ  
περσεῖος λαμπρὸς. πτέρᾳ περσεῖος. مرقف الثريا, } ☉ 4 50'. 30 0' b. 2.  
الكف اليمنى, }  
manus curta.
21. 27. Cauda Leonis. ὁ ἐπ' ἀκρας τῆς ἕρας τῆ λέοντος.  
الصرف. } ☉ 24 30'. 11 50' b. 1.
22. 1. Os Piscis australis in aqua extrema. ὁ ἐν τῇ  
σώματι τῆ ἰχθύος τῆ νοτίου. σῶμα ἰχθύος μέσον. } ☉ 7 0' 23. 0' m. 1.  
فم الكوت الجنوبي.
23. 44. Canopus. τῆ ἐν τῇ νοτίῳ πηδάλιῳ τῆς ἀργῆς ὁ προ-  
γέμενος, καλέμενος κἀνωσος. σοαίλ ἰαμανῆ, } ☉ 17 10'. 75 0' m. 1.  
اليمن, quasi fidus benignum.

[ 570 ]  
 PRÆCIPUARUM FIXARUM CANON JUXTA  
 OBSERVATIONES SELECTAS.

6. *Ali Abolcasimo*  
*anno Christi 938.*

γ. *Abdoramano*  
*Sophio an. Christi*  
*964. Is cum Ptole-*  
*mæo convenit κατά*  
*πλάτος.*

	<i>Longit.</i>	<i>Latit.</i>	<i>Longit.</i>
1 Ultima fluvii.	0. 11, 50.	53 30'	0 12 53'
2 Lucida cathedræ Cassiopeiæ.	0. 20, 20.	51 45'	0 20 32'
3 Persei caput Medusæum.	1. 12, 17.	22 45'	1 12 22'
4 Oculus Tauri austrinus.	1. 24, 35.	5 15'	1 25 22'
5 Orionis pes sinister.	2. 2, 1.	31 4'	2 2 32'
6 Capella Aurigæ.	2. 6, 49.	22 50'	2 7 42'
7 Orionis humerus dexter. <i>Non-</i> <i>nullis humerus sinister præcedens.</i>	2. 13, 16.	16 45'	2 14 42'
8 Sirius.	2. 29, 30.	39 20'	3 0 22'
9 Procyon.	3. 10, 40.	16 0'	3 11 12'
10 Cor Leonis.	4. 34, 40.	0 15'	4 15 12'
11 Spica Virginis.	6. 8, 23.	2 6'	6 9 22'
12 Arcturus.	6. 8, 50.	31 12'	6 9 42'
13 Antares.	7. 24, 35.	4 24'	7 25 22'
14 Caput Ophiuchi.	8. 6, 53.	36 0'	8 7 32'
15 Lucida Lyræ. Vultur cadens.	9. 0, 40.	61 45'	9 0 2'
16 Aquilæ lucida. Vultur Volans.	9. 15, 53.	29 12'	9 16 32'
17 Lucida in cauda Cygni.	10 20, 4.	59 36'	10 21 52'
18 Lucida in crure dextro Pegasi.	11. 14, 0.	31 10'	11 14 52'
19 Alæ Pegasi ultima.	11 24, 52.	52 0'	11 24 52'
20 Persei lucidum latus.	1. 16, 15.	30 8'	1 17 32'
21 Cauda Leonis.	5. 6, 40.	11 50'	5 7 12'
22 Os Piscis australis.	10 18, 12.	12 0'	10 18 12'
23 Canopus.	2 29, 52.	52 0'	2 29 52'

*δ Ebn.*

CANON PRÆCIPUARUM ESTELLIS FIXIS  
SECUNDUM OBSERVATA MAJORUM.

δ. Ebnolalamo an. 1. Ex Canonibus 5. Choage Nastro- ζ. Ex Sultanicis n. Abdolga-  
Chrifti 980. Hacimicis Joh- andino Tusto in Ta- Ologbeci anno lilo Segaxso  
nide Aegyptij an. bulis Ilchanicis an. Chrfti. 1437. in Geneth-  
Chrfti 996. Chr. 1233. liacis anno  
Chr. 1261.

Longit.	Latit.	Longit.	Latit.	Longit.	Latit.	Longit.	Latit.	Longit.
01.6,42'.53,30'	0.16,20'.53,28'	0.24,55'.51,45'	0.15,40'.53,45'	0.6,45'				
0.24,9'.51,45'	0.24,34'.51,50'	0.24,35'.51,40'	0.28,1'.50,48'	0.25,2'				
1.15,1'.22,45'	1.15,24'.22,39'	1.16,25'.23,0'	1.18,54'.22,0'	1.16,52'				
1.28,40'.5,15'	1.29,7'.5,15'	1.29,22'.5,13'	2.2,31'.5,15'	1.29,45'				
2.5,55'.31,20'	2.5,30'.31,35'	2.6,35'.31,30'	2.9,25'.31,18'	2.6,52'				
2.10,50'.22,50'	2.11,32'.22,3'	2.11,10'.22,40'	2.14,43'.22,42'	2.11,43'				
2.17,21'.16,45'	2.17,46'.16,50'	2.18,0'.16,50'	2.21,13'.16,43'	2.19,12'				
3.3,40'.39,20'	3.4,2'.39,30'	3.3,50'.39,10'	3.6,19'.39,30'	3.4,28'				
3.15,45'.16,0'	3.15,52'.16,2'	3.15,45'.16,5'	3.18,22'.16,0'	3.16,11'				
4.18,45'.0,15'	4.19,10'.0,10'	4.19,14'.0,17'	4.22,13'.0,9'	4.19,42'				
6.12,33'.2,6'	6.12,58'.2,10'	6.13,25'.1,52'	6.16,10'.2,9'	6.13,26'				
6.12,55'.31,12'	6.13,49'.31,33'	6.13,0'.31,25'	6.16,31'.31,18'	6.13,47'				
7.28,40'.4,24'	7.29,9'.4,25'	7.29,0'.4,10'	8.2,16'.4,30'	7.29,45'				
8.11,2'.36,0'	8.11,34'.35,59'	8.11,15'.35,55'	8.15,13'.55,51'	8.11,49'				
9.4,45'.61,45'	9.5,0'.61,55'	9.4,40'.61,50'	9.8,19'.62,0'	9.5,38'				
9.20,58'.23,14'	9.20,34'.29,10'	9.20,40'.29,15'	9.24,10'.29,15'	9.20,56'				
10.24,9'.59,36'	10.23,31'.59,38'	10.24,30'.59,50'	10.28,46'.59,42'	10.26,15'				
11.18,54'.31,10'	11.18,44'.31,12'	11.18,44'.31,12'	11.21,37'.30,51'	11.18,58'				
11.24,52'.2,30'		11.18,55'.31,1'	0.1,22'.12,34'					
		1.21,35'.30,0'	1.25,7'.29,21'	1.22,2'				
		5.11,55'.11,50'	5.13,49'.12,0'	5.11,38'				
		10.23,45'.23,0'	10.20,40'.21,30'	10.23,53'				
		3.3,55'.75,0'	*	3.4,3'				

\* Non vidit unquam nepos Timuri  
clarum Canonum; non ceteri hujus Ca-  
nonis, exceptis Alexandrinis.

PRÆCIPUARUM FIXARUM CANON JUXTA OBSERVATIONES SELECTAS.

	θ Ex Persicis Chrysoceca anno Chr. 1115.	ι Ex Canonibus Perfarum Fembrochianis an Chr. 1346. Melixa 338.
	Longit.	Longit.
1 Ultima fluvii.	ν 15 19'	0'
2 Lucida cathedræ Cassiopeiæ.	ν 22 50'	0'
3 Persei caput Medusæum.	γ 14 40'	18 10'
4 Oculus Tauri austrinus.	γ 27 0'	II 1 30'
5 Orionis pes sinister.	II 4 50'	8 20'
6 Capella Aurigæ.	II 10 50'	13 3'
7 Orionis humerus dexter. <i>Non nullis</i> humerus sinister præcedens.	II 17 0'	20 30'
8 Sirius.	♄ 2 40'	18 0'
9 Procyon.	♄ 14 10'	18 0'
10 Cor Leonis.	♃ 17 30'	9 31'
11 Spica Virginis.	♌ 11 40'	15 10'
12 Arcturus.	♌ 12 0'	15 30'
13 Antares.	♁ 27 40'	→ 1 10'
14 Caput Ophiuchi.	0'	0'
15 Lucida Lyræ. Vultur cadens.	♃ 2 20'	5 0'
16 Aquilæ Lucida. Vultur Volans.	♃ 18 50'	22 20'
17 Lucida in cauda Cygni.	☿ 24 10'	10 20'
18 Lucida in crure dextro Pegasi.	♃ 17 10'	20 40'
19 Alæ Pegasi ultima.	♃ 27 10'	0'
20 Persei lucidum latus.	γ 19 50'	0'
21 Cauda Leonis.	0'	mp 13 0'
22 Os Piscis australis.	☿ 22 0'	0'
23 Canopus.	II 2 10'	0'

ia Ex

PRÆCIPUARUM FIXARUM CANON JUXTA OBSERVATIONES SELECTAS.

1a Ex Codice  
Arnoldino a-  
pud Gassen-  
dum pro anno  
Christi 1364.

	Longit.	
V	18	20'
♄	17	45'
♂	1	0
♂	8	0
♂	13	10'
♂	18	10'
♁	6	0'
♁	17	20'
♁	20	40'
♁	15	0'
♁	14	10'
♁	27	40'
		0'
♁	5	30'
♁	22	0'
♁	27	18'
♁	20	20'
		0'
		0'
		0'
♁	12	40'
		0'
		0'

1c Ex Codicibus  
Illustrum vi-  
rorum Savilii  
& Bodleii,  
quasi pro an.  
Chr. 750.

	Longit.	
V	12	20'
♄	2	50'
♄	19	50'
♂	2	10'
♂	9	10'
♂	24	50
♁	6	40'
♁	9	39'
♁	4	50'
♁	4	10'
♁	7	19 20'
		0
♁	24	
♁	15	0
		0'
		0'
		0'
		0'
♁	1	45'

1y Mohammedi Tizinio anno  
Christi 1533.

Ascens. recta.	Declin.
130 17'	41 0
86 55'	56 41'
130 14'	39 43'
153 0'	15 43
163 43'	9 13'
161 39'	45 0'
173 15'	6 28'
187 0'	15 50'
199 0'	6 5'
236 0'	14 8'
285 36'	8 29'
299 0'	22 14'
330 57'	22 42
348 57'	13 9'
38 37'	5 29'
22 5'	7 24'
36 40'	43 50'
71 0'	25 16'
88 10'	12 23'
133 46'	47 52'
261 20'	17 55'
68 45'	33 51'
183 40'	51 35'



CANON PRÆCIPUARUM ESTELLIS FIXIS  
SECUNDUM OBSERVATA MAJORUM.

	<i>id. Sabebodino Alepenfi ad Il- chanicas pro an. Chr. 1436. Ascens. Declin.</i>	<i>ii. Olaodino Sateridæ in Ta- bulis Damasçenis anno Christi. 1480. Longit. Ascens. Declin.</i>
1 Ultima fluvii.	132,10'.41,30'	0.20,34'.129,30'.17,0'
2 Lucida cathedræ Cassiopeiæ.	84,2'.55,45'	0.18,16'.83,50'.55,50'
3 Persei caput Medusæum.	127,44'.39,4'	1.20,4'.127,55'.38,50'
4 Oculis Tauri austrinus.	150,40'.15,20'	1.3,4'.149,50'.15,0'
5 Orionis pes sinister.	162,20'.9,20'	0.167,50'.5,10'
6 Capella Aurigæ.	158,30'.44,43'	2.15,24'.157,40'.44,40'
7 Orionis humerus dexter. <i>Non- nullis humerus sinister præcedens.</i>	171,55'.6,15'	2.22,24'.170,10'.6,10'
8 Sirius.	185,45'.15,43'	4.4,4'.184,20'.15,45'
9 Procyon.	197,25'.6,7'	4.19,44'.196,20'.6,30'
10 Leonis.	234,0'.15,10'	4.24,44'.233,30'.15,5'
11 Spica Virginis.	283,40'.7,30'	6.16,30'.283,20'.7,30'
12 Arcturus.	297,39'.33,8'	6.17,24'.297,0'.23,30'
13 Antares.	331,0'.24,12'	8.3,4'.322,0'.24,15'
14 Caput Ophiuchi.	347,5'.13,20'	
15 Lucida Lyræ. Vultur cadens.	38,32'.4,20'	9.7,44'.4,0'.38,30'
16 Aquilæ iucida. Vultur Volans.	20,5'.7,3'	9.24,14'.20,0'.7,5'
17 Lucida in cauda Cygni.	36,20'.43,15'	35,10'.4,30'
18 Lucida in crure dextro Pegasi.	68,50'.24,30'	11.22,34'.68,20'.24,0'
19 Alæ Pegasi ultima.	85,54'.11,30'	0.2,34'.85,5'.11,30'
20 Persei lucidum latus.	130,20'.47,11'	127,20'.1,40'
21 Lauda Leonis.	259,30'.17,55'	5.14,54'.259,5'.18,10'
22 Os Piscis australis.	67,25'.35,2'	10.24,24'
23 Canopus.	183,30'.5,25'	181,15'.51,50'

CANON PRÆCIPUARUM ESTELLIS FIXIS  
SECUNDUM OBSERVATA MAJORUM.

15 Ex Tabulis Rodolphi an. Chr. 1600, ad Contemplationes Tychoonis Braheii.

15. Ricciolo Bononiensi in Astronomia Reformata anno Christi, 1660.

	Longit.	Latit.	Longit.	Latit.	Ascens.	Declinat.
1.	V. 21, 10.	53, 30.	V. 22, 0', 14".	53, 30, 0.		
2.	V. 29, 35 $\frac{1}{2}$	51, 14 $\frac{1}{2}$	8. 0, 22', 0".	51, 17', 0".	357, 44', 33".	57, 18', 40".
3.	8. 20, 37'	22, 22'	8. 21, 32', 10".	22, 22', 40".	41, 33, 54".	39, 36, 30".
4.	II. 4. 12'	5, 31'	II. 5, 1', 43".	5, 30, 50".	64, 6', 58".	15, 46', 10".
5.	II. 11, 37'	31, 11'	II. 12, 3', 10".	21, 10', 10".	74, 32', 38".	8, 37', 30".
6.	II. 16, 16'	22, 50 $\frac{1}{2}$	II. 17, 6', 15".	22, 51', 45".	72, 52, 20".	45, 36', 0".
7.	II. 15, 23'	16. 63'	II. 16, 13', 0".	16, 52, 30".	76, 45' 4".	5, 59', 50".
8.	9. 8, 35 $\frac{1}{2}$	39, 30'	9. 9, 3', 0".	39, 32', 5".	97, 30, 18".	16, 16', 30".
9.	9. 20, 8 $\frac{1}{2}$	15, 57'	9. 21, 6', 30".	15, 57', 10"	110, 22', 32. 6, 4', 0".	
10.	9. 24, 17'	0, 26 $\frac{1}{2}$	9. 26, 4', 45".	0, 26', 20".	147, 31', 14".	13, 36', 30".
11.	10. 18, 16'	1, 59'	10. 19, 6, 0.	1, 59', 30".	196, 51', 0".	9, 20', 30".
12.	10. 18, 39 $\frac{1}{2}$	31, 2 $\frac{1}{2}$	10. 19, 30', 4"	31, 0, 40".	210, 4', 38".	20, 59', 50".
13.	11. 4, 13'	4, 27'	11. 5, 1', 40".	4, 26, 30".	242, 10, 40".	25, 33', 30".
14.	11. 16, 50'	35, 57'	11. 17, 43', 20".	35, 56', 15".	259, 47', 14".	12, 52', 30".
15.	12. 9, 43'	61, 47 $\frac{1}{2}$	12. 10, 32', 40".	61, 47', 0".	276, 39', 32".	30, 50', 40".
16.	12. 26, 9'	29, 21 $\frac{1}{2}$	12. 26, 58', 30".	29, 20, 40".	293, 31', 59".	8, 1', 20".
17.	13. 29, 53 $\frac{1}{2}$	59, 56 $\frac{1}{2}$	13. 0, 41', 25"	59, 57, 20".	307, 26', 35".	44, 6', 40".
18.	13. 23, 49 $\frac{1}{2}$	31, 7 $\frac{1}{2}$	13. 24, 40', 20".	31, 8', 20".	341, 51', 46".	29, 15', 50".
19.	13. 3, 28 $\frac{1}{2}$	12, 35'	13. 4, 26', 20".	12, 37', 5".	358, 57', 0".	13, 19', 20".
20.	14. 26, 17'	30, 5'	14. 27, 0', 8".	30, 5', 40".	44, 52', 30".	48, 34', 30".
21.	14. 16, 3'	12, 18'	14. 16, 53', 0".	12, 16', 20".	172, 53', 58".	16, 27', 40".
22.	15. 28, 11 $\frac{1}{2}$	21, 0'	15. 29, 2', 56".	20, 59', 40".	339, 37, 0".	31, 20', 10".
23.						

III. PRÆCIPUARUM FIXARUM DISTANTIÆ JUXT  
OBSERVATIONES SELECTAS.

1 Ultima fluvii.	1. 0.
2 Lucida cathedræ Caffiepeiæ.	2. à Seat 33, 4'. à cauda cygni 33, 32½.
3 Persei caput Medusæum.	3. à latere Persei 9, 23½. à capella 23, 37'.
4 Oculus Tauri austrinus.	4. à Sirio 45, 58½. ab Algomeifa 46, 22'.
5 Orionis pes finifter.	5. ab oculo tauri 26, 33'. à capella 54, 15½.
6 Capella Aurigæ.	6. ab oculo tauri 36, 43½. à Persei latere 19.1
7 Orionis humerus dexter. <i>Non-</i> <i>nullis</i> humerus finifter præcedens.	7. ab oculo tauri 15, 47½.
8 Sirius.	8. ab Algomeifa 25, 42'. à rigel 23, 40'.
9 Procyon.	9. à regulo 37, 20'. à rigel 38, 37½.
10 Cor Leonis.	10. à Spica 54, 2'. à cauda cygni 24, 39½.
11 Spica Virginis.	11. ab Arcturo 33, 2'. ab Antare. 45, 52'.
12 Arcturus.	12. à regulo 59, 49'. ab Antare 56, 4½.
13 Antares.	13. à lucida Aquilæ 60, 9½. à cauda Leonis 24, 1
14 Caput Ophiuchi.	14. à Spica 36, 14½. à Lyræ lucida 29, 33½.
15 Lucida Lyræ. Vultur cadens.	15. à Seat 55, 30¾. à Spica 9, 20½.
16 Aquilæ lucida. Vultur Volans.	16. à lucida Lyræ 34, 9'. à cauda cygni 38, 4½.
17 Lucida in cauda Cygni.	17. à lucida Lyræ 23, 52'. à Seat 32, 57½.
18 Lucida in crure dextro Pegafi.	18. ab algenib 20, 37'. à lucida cath. Caffiepeiæ 22
19 Alæ Pegafi ultima.	19. à latere Persei 51, 45½.
20 Persei lucidum latus.	20. ab Oculo tauri 36, 20½.
21 Cauda Leonis.	21. à Spica 35, 2½.
22 Os Piscis australis.	22. 0.
23 Canopus.	23. 0.

CANON PRÆCIPUARUM ESTELLIS FIXIS  
SECUNDUM OBSERVATA MAJORUM.

*A. Octo Fixarum nobilium declinationes ex curis antiquis, consulto  
etiam illustri Brabeo.*

	<i>Timocharidi. ante Chr. 295.</i>	<i>Hipparcho. a. Chr. 128.</i>	<i>Ptolemæo. Chr. 137.</i>	<i>Tycho: i. Chr. 600.</i>
4. Oculi Tauri.	8, 45' b.	9, 45' b.	11, 0' b.	15, 38' b.
α. 6. Capella.	— — — — —	40, 24' b.	41, 10' b.	25, 28 $\frac{2}{3}$ ' b.
8. Sirius.	— 15, 20' m.	16, 0' m.	16, 45' m.	16, 11' m.
β. 10. Regulus.	— 21, 20' b.	20, 40' b.	19, 50' b.	13, 53 $\frac{1}{2}$ ' b.
∫. 11. Spica.	— — — 1, 24' b.	0, 36' b.	0, 36' m.	9, 1' m.
12. Arcturus.	— 31, 30' b.	31, 0' b.	29, 50' b.	21, 18 $\frac{1}{2}$ ' b.
13. Antares.	— 18, 20' m.	19, 0' m.	20, 25' m.	25, 26' m.
16. Aquilæ lucida.	5, 48' b.	5, 48' b.	5, 50' b.	7, 54' b.

α. Aristyllo circa an. 300, ante Chr. Capellæ declin. 40, 0' b.

β. Hipparcho ante Chr. 128. Reguli longit. ∞. 29, 50' m.

∫. Timocharidi ante Chr. 295. Spicæ longit. ∞ 22, 20'.  
ante Chr. 283. Spicæ longit. ∞ 22, 30'.

Hipparcho ante Chr. 128. Spicæ longit. ∞ 24, 0.

Menelao anno Chr. 97. Spicæ longit. ∞ 25, 45'.

Spicæ Declin. 0, 40' m.

☉ Dein Albatanio, Chr 879. Reguli longit. ∞. 14', 0. Spatio itaq; an-  
norum 742. grad. 11. 50'. aut potius gr. 11, 30'. propter Reguli long-  
git. Ptolemaicam ∞ 2, 30'; non 2, 10'. sicut olim legerat Astronom-  
us Raccensis.

*Oculi Tauri Longitudo.*  
*Anno Christi.*  
Hermeti. 25, 17'. ☿.  
Hipparcho. 10, 0. ♃.  
140. Ptolemæo. 12, 40.  
851. Abomasaro. 19, 15.  
831. Thabeto. 21, 17.  
Arzachel. 23, 20.  
Albatanio. 24, 30.  
R. Grostetio. 28, 40.  
1316. W. Evelhamio. 29, 0.

*Addit Fixarum Longitudinibus.*  
*Ptolemaicis gr. anno Christi*  
Alphonfus. 17, 8'. 1503.  
Wymundus 5, 52'. 1310.  
Walterus Vig. 10, 5'. 1447.  
Prima arietis distat ab æqui-  
noctio verno gr. 25, 40'.  
*Hic omnia Walterus Vigornien-  
sis Cod. 13. inter Digbianos.*

*Progrediuntur autem Stella Fixa gradum unum annis solaribus.*

1. Hipparcho, Ptolemæo, Theoni, Proclo, & Alfergano. ——— 100.
2. Timocharidi Alexandrino, qui observarat spicam cælestem annis Nabon. 454 & 466. Abdorahmano Salehio, & D. Petavio. 072 five  $60\frac{12}{10}$  & 50" quovis anno.
3. Johannidæ Ægyptio, Canonum Hacimicorum conditori ———  $70\frac{1}{4}$ .
4. Jahiæ f. Abomansori, aliisque Probatae, quam vocarunt, }  
Astronomiæ auctoribus: necnon Nafirodino Tusio, Cot- }  
bodino Sirasio, Ologbeco Mogolorum domino, Xachol- } 70 & 51", 26".  
gio, Abolphetacho, Abenesdræ, Maimonidæ, & ple- }  
risque juniorum. }
5. Chryfococæ in Perficis, & Astron. Anglicis an. Chr. 1300. 68 & 52", 23".
6. Astronomis plerisque Arabum sub Mamone principe — — — 66 $\frac{2}{3}$ .
7. Abdorahmano Sophio, Bahodino Chorcio, Alphonso }  
regi, Albatanio ex Racca, quæ est Callinicos Mesotopo- }  
tamia, Abdogalilo Segazio, Levi & Zacuto Judæis, & } 66 & 54", 33".  
Observatorum Maragenfium nonnullis. }
8. Copernico, Mæstlino, aliisque fide illorum --fere 71. & 50", 12", 5".
9. Nonnullis apud Chorcium Arabem. ——— 54.
10. Tychoni Braheo, Keplero, Bullialdo, ex obliquitate Zod. gr.  $23\frac{1}{2}$  7'  $\frac{7}{12}$  & 51".
11. Longomontano. ——— 72 $\frac{1}{3}$  & 49", 54".
12. Gaffendo. ——— 70 $\frac{1}{3}$  & 51", 19", 24".
13. Ricciolo in Astr. Reformata, ex obliq. Zod. gr. 23, 30', 20". 71, 19 $\frac{1}{2}$  d. 50', 40".
14. Nobis, & Ægyptiorum Hierophantis. 71, 9 $\frac{2}{3}$ , mens. & 50", 9 $\frac{1}{4}$ , fere.