



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.

DUM 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 Tusii factum offendi, ut precipui honoris stellas fixas secundum variorum Astronomorum varia observata, qua Latæ ut Loquuntur, quæ 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 Luminarium & 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^OCLXXXIII.

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. U ltima Fluvii. ὁ ἐξατῶ ποταμῷ λαμπρὸς. } آخر النهر للظلم. أيلاذ. } κλίθρη. كلف الخضيب. خيف بعبامدبن. } 2. 12. Lucida cathedræ Cassiopeæ. ὁ δὴ μέση τῆ ἀνα } 3. 12. Persei caput Medusæum. ἦ ἐν τῷ γοργόνειῳ ὁ } λαμπρὸς. γοργόνιον. Algol. رأس الغول. κεφαλή } ἵππου. rectius μορμύς. } 4. 14. Oculus Tauri austrinus. ὁ λαμπρὸς ἦ ὑάδων δὴ ἦ } νοπῆ ὀφθαλμῷ ὑπόκρητος. λαμπάρας. ὄμμα βοῶς. } الدبران. عين الثور. } 5. 35. Orionis pes sinister. ὁ ἐν τῷ ἀεισερῷ ἀκρόποδι τῷ } ὀρίωνῳ λαμπρὸς, ἦ ὑδάτῳ κοινός. Rigel. πῦρ δι- } δύμων. رجل الجوزا اليسرى. } 6. 3. Capella Aurigæ. ὁ ἐπ' ἀεισερῷ ὄμω τῷ ἀνιόχῳ, κα- } λέμνος αἰξ. αἰξ. عيوق. Pleiadum remora. } 7. 2. Orionis humerus dexter. ὁ δὴ δειξίῳ ὄμω τῷ ὀ- } ρίωνος λαμπρὸς ὑπόκρητος. ὄμος διδύμων. رجل الجوزا } Aliquibus humerus sinister præcedens. } 8. 1. Sirius in ore Canis majoris. ὁ ἐν τῷ σώματι τῷ } κυνὸς λαμπρῆτατος, καλέμνος κύων, ὑπόκρητος. } σαῖρ ἰαμανή. شعري جمانيه, Sirius australior. } Alhabor, العبور, γαλακτοπόρι. } 9. 2. Procyon, aut Canis minor. ὁ χτ' ἦ ὀπίθιον ἦ } προκυωνὸς λαμπρὸς, καλέμνος προκυών. σαῖρ σαμη, } شعري شاميه, Sirius borealior. Algomei- } fa, الغميصا, tamquam lippa. } 10. 8. Cor Leonis. ὁ δὴ ἦ καρδίας ἦ λέοντος, καλέμνος } βασιλίσκος. Regulus, قلب الأسد. الملكى. } 11. 14. Spica Virginis. ὁ δὴ τῷ ἀεισερῷ ἀκροχείρῳ ἦ } παρθένη, καλέμνος σάχης. μικρὸς κοντάρατος, } fulcrum inermis. السماك الاعرج. }	<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'. V 12 40'. 5 10' m. 1. al. 20'. V 20 50'. 31 30' m. 1. V 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'. V 2 30'. 0 10' b. 1. al. 10'. HP 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 μνησῶν τῆ βούτου, καλέμενος }
ἀρκυῖρος, ὑπόκυρτος. κορυφαίτος. السماك الرايح, } mp 27 0'. 31 30' b. 1.
τὸ ἔρεισμα τῆ ὀπίτη.
13. 8. Antares. τῆ ἐν τῇ σώματι τῆ σκορπίου ὁ μέσος καὶ }
ὑπόκυρτος, καλέμενος ἀντάρης. καρδία σκορπίου, } ☉ 12 40'. 4 0' m. 2.
قلب العقرب. } al. 20'.
14. 1. Caput Ophiuchi. ὁ ὅστις ἐ κεφαλῆς τῆ ὀφειχου. }
رأس 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 ἔραϊ ὁ ὄρνιθος }
λαμπρὸς, ἐραὶ ὄρνιθος, ردف. ذنب الدجاجة, } ☉ 9 10'. 60 0' b. 2.
ذئذوخος.
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 الغرس.
19. 2. Alæ Pegasi ultima. ὁ ὅστις τῆς ὀσφύος τῆ ἵππου }
καὶ ἀκρου τῆ πτέρῃ αὐτῆ. πύγασος. Algenib. } ☉ 12 10'. 12 30' b. 2.
الغرع الموخر, جناح الغرس.
20. 7. Persei lucidum latus. ὁ ἐν τῇ δεξιῇ πλάτῃ τῆ }
περσεῖος λαμπρὸς. πλάτῃ περσεῖος. مرقف الثريا, } ☉ 4 50'. 30 0' b. 2.
الكف الجنما,
21. 27. Cauda Leonis. ὁ ἐπ' ἀκρας τῆς ἔρας 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- }
γύμενος, καλέμενος κἀνωσος. σοαὶλ ἰαμανῆ, } ☉ 17 10'. 75 0' m. 1.
اليمن, quasi fidus benignum.

[570]
 PRÆCIPUARUM FIXARUM CANON JUXTA
 OBSERVATIONES SELECTAS.

	<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 nullis</i> humerus sinister præcedens.	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 12'	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 12'	10 18 12'
23 Canopus.	2 29, 52.	52 12'	2 29 52'

6. *Ali Abolcasimo*
 anno Christi 938.

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

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 folan- dino 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 Canopum; non ceteri hujus Ca-
nonis, exceptis Alexandrinis.

PRÆCIPUARUM FIXARUM CANON JUX-
TA OBSERVATIONES SELECTAS.

	θ <i>Ex Persicis Chrysoceca anno Chr. 1115.</i>	ι <i>Ex Canoni- bus Perfarum Fembrochianis an Chr. 1346. Melixa 338.</i>
	<i>Longit.</i>	<i>Longit.</i>
1 Ultima fluvii.	ν 15 19'	0'
2 Lucida cathedræ Cassiopeiæ.	ν 22 50'	0'
3 Persei caput Medusæum.	♄ 14 40'	18 10'
4 Oculus Tauri austrinus.	♄ 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.	♄ 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- chamicas pro an. Chr. 1436. Ascens. Declin.</i>	<i>in 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 $\frac{1}{2}$	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.	11. 18, 16'	1, 59'	11. 19, 6, 0.	1, 59', 30".	196, 51', 0".	9, 20', 30".
12.	11. 18, 39 $\frac{1}{2}$	31, 2 $\frac{1}{2}$	11. 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.	11. 9, 43'	61, 47 $\frac{1}{2}$	11. 10, 32', 40".	61, 47', 0".	276, 39', 32".	30, 50', 40".
16.	11. 26, 9'	29, 21 $\frac{1}{2}$	11. 26, 58', 30".	29, 20', 40".	293, 31', 59".	8, 1', 20".
17.	11. 29, 53 $\frac{1}{2}$	59, 56 $\frac{1}{2}$	11. 0, 41', 25"	59, 57, 20."	307, 26', 35".	44, 6', 40".
18.	11. 23, 49 $\frac{1}{2}$	31, 7 $\frac{1}{2}$	11. 24, 40', 20".	31, 8', 20".	341, 51', 48".	29, 15', 50".
19.	11. 3, 28 $\frac{1}{2}$	12, 35'	11. 4, 26', 20".	12, 37', 5".	358, 57', 0".	13, 19', 20".
20.	11. 26, 17'	30, 5'	11. 27, 0', 8".	30, 5', 40".	44, 52', 30".	48, 34', 30".
21.	11. 16, 3'	12, 18'	11. 16, 53', 0".	12, 16', 20".	172, 53', 58".	16, 27', 40".
22.	11. 28, 11 $\frac{1}{2}$	21, 0'	11. 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 Oculi Tauri austrinus.	4. à Sirio 45, 58½. ab Algomeifa 46, 22'.
5 Orionis pes sinister.	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 sinister 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 longi-
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.
Arzacheli. 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. Tycho 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.