Almagestum Novum astronomiam veterem novamque complectens observationibus aliorum et propriis novisque theorematibus, problematibus ac tabulis promotam. Pars prior tomi primi (New Almagest, embracing both old and new astronomy, advanced by the observations of others and the author's own, and by new theorems, problems, and tables. Volume I, Part 1) — Editorial footnotes (draft)

Giovanni Battista Riccioli, S.J. (1598–1671). Drafted editorial footnotes for review before publication. Each note is keyed to its anchor in the **manuscript-grade complete edition** — the collated output that retains the per-batch/page scaffolding the anchors reference (produced by `ms`). The reading in the main text is **preserved as printed/transcribed** and is not altered by these notes. The note text below is a **draft** — review and edit before publication.

The notes are classified as follows:

- **Category B — source compositor error.** A printing, compositor, or scribal error in the source itself (a wrong letter or digit, a dropped or doubled word, a non-resolving citation). The likely intended reading is noted, but the main text preserves exactly what is printed.
- **Category C — author/source anomaly.** An anomaly originating with the author or the source rather than the typesetting (a factual or geographic slip, a misattribution, an internal inconsistency, or a deliberate but unusual feature). Recorded as written.

- **Missing-source lacuna.** A point where source text is missing, damaged, or illegible. The note states what should stand at the gap and points to an alternate witness where one is known.

#	Anchor	Cat.	Item
1	batch_007 / p.19 (”To this affinity of astronomy with Heaven and divine things”)	B	Printed *Aſtro-/miæ*, a syllable short of *Astronomiæ*
2	batch_015 / p.43, right col., 1553 row: ”Erasmus Reinhold dies; he was born in the year 1611”	B	Reinhold's birth printed 1611; a later hand corrects the 6 to 5 in this copy
3	batch_016 / p.47, left col., al-Zarqālī entry: ”in the year 1070 or 1073 before Christ”	C	*ante Christum* where the entry's own reckoning puts al-Zarqālī after Christ
4	batch_016 / p.47, right col., Walther entry: ”on 1604 May 30”	B	Walther's last observation dated 1604, against his run of 1475–1504
5	batch_016 / p.48, left col., Bessarion entry: ”He died in 1437”	C	Bessarion's death printed 1437; the Part I chronicle gives 1473
6	batch_017 / p.49, left col., Cyril entry: ”made bishop in the year 412 before Christ”	C	*ante Christum* where the entry's own dates put Cyril after Christ
7	batch_019 / p.56, left col., first line of section M: ”Macrobius Ambrosius Aurelius Theodosius”	B	The page prints *MAerobius*: drop capital M, then italic A and e
8	batch_019 / p.56, left col., Bettini entry: ”Among other works he wrote the *Apiarium*”	C	Bettini's work named in the singular, *Apiarium*; its published title is plural
9	batch_019 / p.56, right col., Ficino entry:”in Tim um Platonis”	B	No sort is inked between *Tim* and *um* (for *Timæum*)
10	batch_019 / p.56 (Ricci entry: ”reached Goa in 1576, on September 13”)	C	Ricci's departure (1577) printed after his arrival at Goa (1576)
11	batch_024 / p.72 (table ”Circulus vnus continet”, Nona and Decima rows)	B	Nona and Decima figures depart from the 360×60^{n} series
12	batch_024 / p.72 (second table, Octaua row, `6c466176000000000`)	B	Octaua figure prints a damaged sort, read as c, where the series requires 0
13	batch_025 / p.74 (printed p.10, inner margin beside § VII: ”Circuli n[?] Maximi”)	la-cuna	Marginal note's second word lost into the gutter in this copy
14	batch_028 / p.82, Cap. XIV ¶ I: ”in the figure of Chapter 7: there the line KR, drawn through the middle of the parallels, marks the ecliptic”	C	The Chapter 7 figure (p. 74) draws no line KR
15	batch_030 / p.90 (printed p.26), Scholium II: ”our antipodes”	B	A foul sort: the page appears to print *Antipbdibus* for *Antipodibus*
16	batch_034 / p.100 (Cap. XXIX para. I: ”they are the twelfth part of the natural day”)	C	Equal hour printed as duodecima (a twelfth) of the natural day
17	batch_035 / p.103 (printed p.39), Table II, Longomontanus row (20°)	B	Errata figure 56⅓ → 52; the type is overwritten in ink in this copy
18	batch_035 / p.103 (printed p.39), Table II, row ”Cardano taken absolutely, and Scultetus” (19°)	B	Errata figure 1288 → 288; the first figure is struck through in this copy
19	batch_040 / p.118 (”7197 48/100” and ”2023 48/100”)	B	13902 × 5174 / 10000 gives about 7192.9; the page prints 7197 48/100
20	batch_041 / p.122, table, row 4 (1′ 20″), distance column (5194)	B	5194 departs from the relation its neighbours follow (it would be near 5157)
21	batch_042 / p.124, table, Roman column, rows BF and FL (1523, 2354)	B	BF 1523 and FL 2354 do not stand at 4:5 to the Bologna values, as the rest of the column does

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22	batch_042 / p.125 (printed p.61): "53⅔ [recte: 56⅔ …] miles were found" (and again two sentences later)	B	Type prints 53⅔; the errata and a later pen give 56⅔
23	batch_043 / p.127 (printed p.63), table, Arabic-miles row (**53⅔**, 6491)	B	Type prints 53⅔ and 6491; errata and pen give 56⅔ and 6497
24	batch_043 / p.127 (printed p.63), table, Bologna-miles row (8778)	B	Type prints 8778; errata and pen give 8278
25	batch_044 / p.130, table (last column row 70° 0′; height column rows 50°, 83°, 86°, 89°)	B	Several cells of the mountain-height table break the method the text states
26	batch_046 / p.137 ("on the testimony of Barthol[?] the Dane")	B	Errata Bartholomæo → Bartolino; the end of the name is struck through in this copy
27	batch_049 / p.145, table, London row ("olim" 11° 16′, "nunc" 4° 3′)	C	The table's London values differ from those of paragraph VII (11° 15′, 4° 6′)
28	batch_050 / p.150, Prop. VIII comment: "the square of the number 60, namely 3600, is twice as great as the square of the number of nearly 85, which is 7200"	B	The comparison of the squares is printed the wrong way round
29	batch_051 / p.151, Prop. XII ("3927 hundredths"; "3 and 27/100 inches")	B	50116320000 / 12787776 is about 3919, the page prints 3927 (twice)
30	batch_052 / p.155, left col., l.2: "completes 240 paces in 4 seconds of an hour"	C	*paſſus 240* where the page's own table gives 240 feet in 4 seconds
31	batch_057 / p.170, table, row 0′ 15″ (154698556112, 15470)	B	The 15″ row does not continue the halving run of the rows below
32	batch_058 / p.173, table of the Sun's distance, row 0° 30′, column 60 (5876)	B	5876 falls below both neighbours in a row that rises
33	batch_059 / p.175, left col.: "there would be from the Earth to the Sun 5020004000 stadia"	B	Total 5020004000 stadia is ten times the sum of its three parts
34	batch_059 / p.177, table, row "Kepler, from the Rudolphine Tables" (**1′ 0″ ı 0′ 58″ ı 1′ 2″**)	C	The table's Kepler values differ from those given in the prose on p. 175
35	batch_060 / p.178, right col.: "a true altitude of 10° 41′ 45‴"	B	10° 41′ 45″ printed where the page's own terms give 10° 42′ 45″
36	batch_061 / p.183 (printed p.119), table, first row, mean column (**100′ 0″**)	C	A minutes figure above 60 (100′ for 1° 40′)
37	batch_061 / p.183 (printed p.119), table, row "Nos. Omnib. penſitatis" (We, all things weighed), apogee cell	B	Errata 30′ 30″ → 30′ 50″; the seconds figure is overwritten in ink in this copy
38	batch_063 / p.187 (printed p.123), table, Kepler perigee *Sum* row, Log. column (**1[?]′ 28″**)	B	Errata 15′ 28″ → 14′ 28″; the second figure is overwritten in pen in this copy
39	batch_064 / p.191, table 1 (circumference and hourly columns: Copernicus, Kepler corrected, Boulliau, Ourselves, Lansbergen)	B	Several printed circumferences, and Lansbergen's hourly value, do not follow from the figures beside them
40	batch_068 / p.202 (the year lengths **365^d^ 5^h^ 48^m^ 46^s^ 32‴**, … **43‴**, … **37‴**)	B	Three thirds-figures do not follow from the page's own subtractions and fractions
41	batch_070 / p.208–210: "Philaltæus [?] on *De caelo*, Book 2, text 51" (also batch_158 / p.472–474: "especially Philaltæus [?] and Amicus")	C	Proposed identification of the printed *Philaltæus*: Lucillo Filalteo
42	batch_071 / p.211: "the total will be 4097833580"	B	96540 × 42447 is 4097833380; the page prints 4097833580

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43	batch_074 / p.221 (printed p.157), table "Residuum tabulæ præcedentis", row "Nos interim" (We, for the present)	B	Errata 25x → 253 and 7250 → 7327; both figures are covered by a later hand in this copy
44	batch_075 / p.225, body: "the altitude of the equator, 31° 29′"	B	Altitude of the equator printed 31° 29′ where the sentence's own subtraction needs 38° 29′
45	batch_075 / p.225, table 2, 1643 June 21, true altitude (**69° 0′ 21″**)	B	Seconds printed 21 where the table's rule gives 25
46	batch_083 / p.247, second example: "99 days 9^{h} 20^{m} 5^{s} 28‴"	B	The part-day 9^{h} 20^{m} 5^{s} 28‴ does not follow from the stated times
47	batch_084 / p.251 (left col., l.1: "and is nourished by waters")	B	Printed *nutriti*, a participle that does not construe; the sense needs an infinitive
48	batch_090 / p.270 (Moon plate fig-p270-1, rim label `p[?]cum`)	la-cuna	Plate label p?cum: the letter(s) between p and c cannot be read in this copy
49	batch_090 / p.270 (Moon plate fig-p270-1, label Theætet.[?])	la-cuna	Plate label Theætet. or Theatet.: the letter after the a cannot be settled in this copy
50	batch_096 / p.288, first table, row 1643 "June 5" (prose p.287: "on June 2")	C	One Sea of Crises observation dated June 2 in the prose and June 5 in the table
51	batch_096 / p.288 (catchword `Qua-`)	B	Catchword prints *Qua-*; the next page begins *Quæstio*
52	batch_099 / p.297 (printed p.219), table, Tycho row (**4° 58′ 0″**)	B	Type prints 4° 58′ 0″; errata and pen give 4° 58′ 30″
53	batch_099 / p.297 (printed p.219), §VII ("at the quadratures 5° 17′ 16‴") and table, row 2, column □ (**5° 17′ 30″**)	C	Tycho's quadrature latitude of the Moon: 5° 17′ 16″ in the text, 5° 17′ 30″ in the table
54	batch_102 / p.306 (right col., sect. VII: "and of fewer than 100")	C	Kepler's bounds printed as more than 105½ and fewer than 100
55	batch_104 / p.310, second table, *Totales* row 10 (**15′ 40″**, **16′ 39″**)	C	Two apparent diameters about half of every other row in their columns
56	batch_106 / pp.317–318 (doubled apogee period; table of the Moon's motion; Scholium I)	B	Several figures of pp. 317–318 do not follow from the quantities they are derived from
57	batch_108 / p.322 (left col., § XII: "29 12313/42053 days")	B	Numerator printed 12313 where the page's own division gives 22313
58	batch_108 / p.323 (right col., Wendelen: "79736 days")	B	79736 days printed for 2184 Egyptian years and 166 days (797326)
59	batch_108 / p.323 (right col., Boulliau: "76404^{d} 9^{h} 1^{m} 29^{s}, 24937 months")	B	76404 days printed where 24937 months give 736404, as printed two lines above
60	batch_109 / pp.325–326 ("it completed 139° 2′"; mean elongation 182° 51′ / 182° 50′)	B	137° 34′ + 1° 21′ printed as 139° 2′; one elongation given two ways
61	batch_109 / p.326 (right col., table row 2, Anni Christi: "1177")	B	Year 1177 printed in a run of the 1570s
62	batch_109 / p.326 (left col.: "angle CEI is 6° 21′")	B	Angle CEI printed 6° 21′, repeating EDI, where the triangle gives 0° 22½′
63	batch_110 / p.328, table, rows 24–25 (years 1462, 1461)	C	Year 1461 printed after 1462 in an ascending column

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64	batch_116 / p.347 (*Nonò* example: ”there remain 50′ 84/100, or 50′ 45″, for the Variation”)	B	50′ 84/100 printed as equal to 50′ 45″
65	batch_117 / p.349 (”sometimes only 23′”)	C	The text gives 23′ for the lower Variation value; the table note on the same page gives 24′
66	batch_120 / p.360 (”there is left the place of the lunar apogee, 2^{s} 1° 0′ 22″”)	B	Apogee place 2^{s} 1° 0′ 22″ where the table figures give 1° 6′ 22″
67	batch_124 / p.371, table, row 49 under *Anni CHRISTI* (”Caesar, having crossed the Rubicon”; ”Dio, Book 4”)	C	Caesar's crossing of the Rubicon entered under AD 49 as well as under 50/49 BC, with Dio's book given as 4 and as 41
68	batch_126 / p.377 (printed p.299), left col., no. X (Boulliau): ”B E D, 14′ 21″” and ”the angle B E D, 14′ 30″”	B	The angle B E D printed 14′ 21″ and then 14′ 30″; the subtraction that follows uses 14′ 21″
69	batch_126 / p.378, prose (”For Wendelen the former is 46′ 39″ and the latter 38′ 43″”) and table, Wendelen row (**46′ 33″**, **38′ 30″**)	C	Wendelen's greatest and least semidiameters of the shadow differ between the prose and the table
70	batch_126 / p.378, table, Second part, Reinhold rows, ☉ apogee ☾ perigee (**40′ 3″**, **40′ 8″**, **40′ 12″**)	C	Reinhold's computed shadow with the ☾ at perigee printed below his ☾-apogee figures
71	batch_130 / p.388, table, row ”Reinhold, with the Sun's eccentricity least” (**13° 1′ 0″**)	B	Errata 31 → 13; the degree figure is written over by hand and the type cannot be read
72	batch_131 / p.391, full-width table, difference columns (Alfonso and Peuerbach; Copernicus and Reinhold; Lansbergen; Wendelen)	B	Five difference cells do not equal the difference of their source columns
73	batch_138 / p.412, section VI: ”the excess is therefore 4′ 16″. Multiplied by 12 this makes 49′”	B	4′ 16″ × 12 printed as 49′ (it is 51′ 12″)
74	batch_140 / p.418, table of limits, greatest arc, rows Longomontanus and Nobis (**97′ 24″**, **97′ 0″**)	B	Two greatest arcs do not equal the sum of their two semidiameters
75	batch_143 / p.428 (Scholium III: ”ecliptic revolutions of 19 years were not more than 317 and not fewer than 316; but of 18 years, not more than 300 and not fewer than 299”)	B	The counts of 19- and 18-year cycles appear exchanged
76	batch_148 / p.442, left col., entry for the year 413 (☾ Total): ”in year 19 of the Peloponnesian War, and in year 3 of Olympiad 93”	C	The 413 eclipse is given the Olympiad year of the 406 eclipse
77	batch_149 / p.447, 418 entry: ”on the 14th before the Kalends of August, or July 16”	B	XIV Kalends of August equated with July 16 (it is July 19)
78	batch_150 / p.450, left col., Year 1520 entry: ”The eclipse of the Sun in [?] 10°”	la-cuna	The sign before 10° is a pictorial sort, crab or scorpion; it cannot be settled
79	batch_151 / p.453, table, rows Alphonsi and Copernici	B	Alfonso's duration and Copernicus's middle do not follow from the times beside them
80	batch_154 / p.460 (third table, row 16, second time column, `3^h^ 31^m^`)	B	Phase time 3^{h} 31^{m} breaks the order of the phases
81	batch_154 / p.462: ”8305 oscillations … therefore 3 hours 3′ 13″”	B	8305 oscillations at 2820 an hour give about 2^{h} 56^{m} 42^{s}; the page prints 3^{h} 3^{m} 13^{s}
82	batch_156 / p.467, left block, year column, row following 1494 March 7 (`2494`)	B	Year 2494 printed for 1494
83	batch_156 / p.468 (eclipse table, 1613 October 28 (☾), digits column, **1 T. 20′**)	B	A total eclipse printed with a single digit figure, 1

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84	batch_160 / p.480, table I, Leo row, last column (♋ **17° 20′**)	B	Leo row's last value breaks the constant difference of the last two columns
85	batch_161 / pp.482–483 (Hainzel: **3° 0′ 30″**; Bologna, December 1643: **2° 36′ 50″**)	B	Two half-differences of altitudes do not follow from the altitudes printed with them
86	batch_162 / p.485, fraction after "quàm Sol 2" (`2 2/[?]`)	la-cuna	The fraction's denominator is 3 or 5; this copy cannot decide
87	batch_165 / p.493 (printed p.415), Platonic table, rows ☽ and ♄ (`69125`, `1866375`, `27993654`)	B	The last figures of the Platonic table do not follow the multiplication the text states
88	batch_165 / p.494 (printed p.416), Bettini table, row *Cælum Crystall.* (`2574 3/4`)	B	Three-quarters of 3435 printed as 2574¾ (it is 2576¼)
89	batch_165 / p.495 (printed p.417), para. XI: "so 14320 is to 34,077,066 2/3, the distance of the fixed stars"	B	34,077,066⅔ printed where the stated proportion gives 34,177,066⅔
90	batch_165 / p.495 (printed p.417), para. XII (`10,312,227`)	B	68,754,937 at 1498½ per 10000 gives about 10,302,927; the page prints 10,312,227
91	batch_166 / p.497, table "Distantia fixarum a Terra" (a Copernici sectatoribus), Hérigone row, half parallax	B	Errata half parallax → 3′ 0″; the type prints 0 in the minutes, the seconds are under the pen
92	batch_166 / p.497, table "Fixarum distantia a Terra", Bettini row, parallax (**90″ 0‴**)	C	90 set in the seconds column (for 1′ 30″)
93	batch_168 / p.504, Tycho's distance of Capella from the bright star of Aries (**44° 6′ 30″** / **44° 6′ 36″**)	C	One of Tycho's star distances is given differently in the two panels
94	batch_170 / p.510 (printed p.432), para. VII: "4^{h} 58^{m}, by Tycho's clock"	B	Prose 4^{h} 58^{m} against the table's 4^{h} 48^{m} for the same observation
95	batch_176 / pp.526–528 (periods of the fixed stars: Tycho/Kepler/Boulliau `25806`; Gassendi `25000`; Arcturus `204` years)	B	Three periods do not close with the rates printed beside them
96	batch_180 / p.538 (**Gr.89. 47′. 28″** as double of **44. 53′. 14″**; ♈R **Gr.25.6′.46″** twice)	B	A doubled angle and a complement do not follow from 44° 53′ 14″
97	batch_182 / p.546, table of risings and settings: Arcturus, setting cosmic (♊ **3° 16′; June 28**); Aries, rising heliacal (♈ **22° 8′; Apr. 18**)	C	Two dates in Riccioli's day-and-month column do not follow from the Sun's ingresses on the same page
98	batch_183 / p.547, table of risings and settings, row Preceding head of Gemini, setting acronychal (♊ **27° 32′; May 21**)	C	*Maij 21* for ♊ 27° 32′, where the page's own rule gives about June 21
99	batch_184 / p.550: "But Philander [?], on Book 9, Chapter 7, says" (also the margin note)	C	Proposed identification of the printed *Philander*: Guillaume Philandrier on Vitruvius
100	batch_186 / p.557, table MOTVS FIXARVM, rows 10000 (**138° 59′ 20″**) and 20000 (**277° 58′ 40″**)	B	The 10000-year motion departs from the table's 50″ a year; the 20000-year figure doubles it
101	batch_187 / p.559 (printed p.481), first table, Polhymnia row (Nete): λιχανὸς ὑπατῶν	C	λιχανὸς ὑπατῶν printed at both Nete and Mese; the errata change only its accent
102	batch_190 / p.570: "12^{h} 44^{m} 3^{s} 12‴"	B	531/1000 of a day printed as 12^{h} 44^{m} 3^{s} (it is about 12^{h} 44^{m} 38^{s})

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103	batch_191 / p.571, left col., foot of no. V: ”about 480: for the innermost has 180, the next-to-innermost 130, the next-to-outermost 50, the outermost 20”	B	Total 480 printed for parts that sum to 380
104	batch_193 / p.577, left col.: ”and again that it fell short throughout the year 1625”	C	A year 1625 in a report of what Kepler says in the *Commentaries on Mars* (1609)
105	batch_195 / p.585, ¶ VI: ”the definitions of these apogees given at the end of number II, and those of lines 2 and 3 given in number III”	C	Cross-references name the paragraph one below the one meant
106	batch_197 / pp.589–590, distances and roots tables (♂, ♃ and ♄ rows)	B	Several distance and semidiameter cells contradict each other or their neighbours
107	batch_200 / pp.599–600 (section VIII mean `65497`; Tycho table, centre D row, ♃ parts `61860`)	B	A printed mean and a ♃ cell do not follow from the figures they are taken from
108	batch_201 / pp.602–603 (paragraph III: AK `9448`; measures table, ♄ greatest distance from the Sun, parts `10970`)	B	AK 9448 is not the hypotenuse of the stated legs; ♄ 10970 repeats the ♂ figure
109	batch_201 / p.603, paragraph IV: ”which he gives in the *Uranometria*, book 2, Element 9, as 1498 35/60 terrestrial semidiameters”	C	Sun's distance 1498 35/60 here, 1498½ in the table, 1498 33/60 on p. 651
110	batch_207 / p.621, § IX, Example 3: ”he will see to be 8721 under Longomontanus”	C	The Mars example quotes the table's Saturn values (8721, 2907)
111	batch_208 / p.624, VI: ”19402 parts, and a half of 9702”	B	Half of 19402 printed as 9702 (it is 9701)
112	batch_209 / p.627, third step: ”45° 0′ 54″” then ”45° 0′ 6″”	C	The arc AB is given two values in the same step
113	batch_210 / p.628: ”8988 and 9129, whose arithmetic mean … 9056”	B	The mean of 8988 and 9129 printed as 9056 (it is 9058½)
114	batch_213 / p.637, § XX: ”an equation of the orb of 32° 58′ 50″”	B	Equation 32° 58′ 50″ where the page's own places give 32° 48′ 50″
115	batch_213 / p.639, table, ♂ block, Longomontanus row (**38° 8′ 0″ / 128° 0′ 0″**)	B	Anomaly 128° 0′ 0″ breaks the table's pattern against the equation 38° 8′ 0″
116	batch_216 / p.648, XI: ”keeping the semidiameter of the small circle at 108 and the diameter at 208”	B	Semidiameter printed 108 beside a diameter of 208 and a quarter of 104
117	batch_217 / p.651, prose: ”the greatest of Venus, which for Lansbergen is 422”	C	Venus's greatest eccentricity 422 in the prose; the table of the same page gives 349 (and 421 for the Sun)
118	batch_218 / p.654, first table, row ”Distantia à Sole Minima”, ♀ (AO … **73852½ … 9**[?][?])	B	Errata AO 73852½ 952 → AQ 70585 910; label and last figures are under a later hand
119	batch_218 / p.654, first table, ☿ rows AL (`3411`), AI (`5685`), IL (`1137`)	B	”Three-fifths” AL is half of AK; AI to IL is 5 to 1, not 4 to 1
120	batch_220 / p.658, § Secundò: ”many and more correct observations of Venus”	B	Printed *correctiones* (”corrections”) where the sense needs *correctiores*
121	batch_220 / p.659, § Secundò: ”makes 21923000”	B	8774 × 2500 printed as 21923000 (it is 21935000)
122	batch_220 / p.660, Secundò and Tertiò steps (`38805`, twice) and MENSVRÆ NOSTRÆ, ♀ least distance AL, parts (`23900`)	B	45500 − 6795 printed as 38805; 96540 − 70640 printed as 23900

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123	batch_222 / pp.664, 666 (Table VI, ☿ Maginus and Nos; Mercury table row 9)	B	Two anomaly pairs that should sum to 180° do not; one digression does not close
124	batch_223 / p.668, Tab. III, row 5 (**45° 4′**) and right col. (”he gathers the anomaly of the eccentric as 4ˢ 29° 56′ 30″”)	B	Two printed results that do not follow from the figures given beside them
125	batch_224 / p.672, Table XXXIV, rows 5, 7 and 12 (elongations)	B	Four elongations do not follow from the places beside them
126	batch_225 / p.673, Mercury table, rows 23 and 24 (**31° 31′**; **27° 47′**)	B	A sign-place above 30°; a digression ten degrees off
127	batch_227 / p.681, sixth step: ”DF is therefore 38361”	B	DL 43358 less FL 4977 printed as 38361, twice (it is 38381)
128	batch_228 / p.684, left col. (Venus at N, **12° 50′**, twice) and step 4 / IX (**MH 45° 40′**, twice)	B	Two printed arcs do not follow from the places and angles the page gives
129	batch_232 / p.695, paragraph IV: Jupiter's **63° 37′**	B	Jupiter's distance from the node does not follow from the p. 694 table
130	batch_234 / p.701 (printed p.623), paragraph III: ”in the year 1549 we saw Venus through the tube”	C	*Anno 1549* for a telescopic observation by the author
131	batch_235 / p.705 (printed p.627), full-width table, columns *à Sole* and *à Terra* (Saturn's distances)	C	Saturn's distances printed under a head of radius 100000 fall below one radius
132	batch_236 / p.708, left col.: ”further advanced than that star by 1° 11″”	B	*Gr. 1. 11″*., where the two places just given differ by 1° 11′ 24″
133	batch_237 / p.710, table *Reditus à Nodo ad Nodum*, ☿ row, first group (`43^d^ 41^h^ 37^m^`)	B	An hours figure of 41
134	batch_242 / p.724 (printed p.646), table, Venus apogee and mean-longitude rows, last column (**131° 42′**, **134° 15′**)	B	Type prints 131 and 134; errata and pen give 331 and 334
135	batch_242 / p.725 (printed p.647), table, planet sign of the Jupiter rows (☿)	B	Type prints the sign of Mercury where the errata and a pen give Jupiter
136	batch_243 / p.728, table, Jupiter, at apogee, last column (`2156`)	B	2156 breaks the run of its column
137	batch_243 / p.729 (printed p.651), Theorem 6, second part: ”the angle of the speed of the centre D will be smaller than the angle VDI”	B	Printed VDI where the argument requires VEI
138	batch_244 / p.731: ”by 16° 20′”	B	54° 36′ less 38° 15′ printed as 16° 20′ (it is 16° 21′)
139	batch_248 / p.743, Equation table, Arc △, rows 9 and 57 (**120° 15′**, **156° 28′**)	B	Two arcs do not complete their neighbours' values to 180°
140	batch_249 / p.747, display under *Diuisores Numeri 360*, Gr. row, value under D. 4 (`99`)	B	360 divided by 4 printed as 99
141	batch_251 / p.751, table, column I, rows 30 and 35 (`3304`, `3204`)	B	Two cells break the column's steady fall
142	batch_255 / p.764, Table I, Posidonius row, Saturn mean (`13000`)	B	Saturn's distance 13000 printed below Jupiter's 65000
143	batch_255 / p.765 (printed p.687), Table II, row ”Ptolemy or Alfonso, by Jean Fernel”, ☿ least (**65 36′**)	B	Errata 55 36 → 65 36; a pen 6 covers the first figure in this copy
144	batch_259 / p.775, table of the time of descent: rows 23000, 47000000, 68000000 and 14000000000 semidiameters	B	Four times of descent that do not follow Riccioli's own stated rule

#	Anchor	Cat.	Item
145	batch_259 / pp.776–777 (Longomontanus, Mercury `494 1/3`; al-Farghānī for Maurolico, Saturn `0 27/60`; Table 2, ☾ in ♂, Italian `956`)	B	Three cells break the relations every other cell of their tables keeps
146	batch_260 / p.778, table (Ptolemy, ☿ least **62′ 0″**; Tycho, ♄ least **60″ 19‴**)	C	A minutes figure of 62 and a seconds figure of 60
147	batch_261 / p.783: "So, when 229 is multiplied by 15, there result from the Sun to the Earth 3454 terrestrial semidiameters"	B	229 × 15 printed as 3454 (it is 3435)
148	batch_262 / p.785, section III: "Saturn 10747 hours, Jupiter 4330, root of the first 107, of the second 66"	C	Periods stated in hours that fit no planet, and a square root that does not close
149	batch_263 / pp.787–788 (Table 5, Clavius row: `643`, `127`; Keplerian table: Mercury `377`, Venus `3766`, Saturn `15100`)	C	Corrupted figures the page itself admits; three Keplerian diameters that do not cube to their bodies
150	batch_264 / p.791 (printed p.713), Table 1, lower block, ♄ alone column (`9 3/5`, `28 1/3`, `70 0`, `272 0`) and ♄ area (`64 0`)	B	Saturn's circumference, great-circle area and surface do not follow from its diameter 9 3/5; Jupiter's area 64 likewise
151	batch_264 / p.791 (printed p.713), Table 1, lower block, ☿ column (`0 1/4`, `0 1/256`, `0 1/5`, `9881600`)	B	Mercury's body 1/256 is the fourth power of its diameter 1/4, not the cube; the Moons and Sun cells are computed from the 1/256
152	batch_264 / p.791 (printed p.713), Table 2, rows "The planet's body would have the Earth's body so many times" (Tycho ☿ `0 1/1562`; Kepler ♄ `71 4/5`, ☿ `0 1/16`)	B	Eight body figures in Table 2 are not the cubes of the diameters above them
153	batch_264 / p.791, Scholia:"as 8464 to 101, that is, greater as to area by 84⅗ times"	B	Mars's disc ratio: 101 for the square of 10″ 6‴, and 84⅗ for 8464 ÷ 101
154	batch_264 / p.792 (printed p.714), Scholium II: "the disc there is 860″ and here 48325"	B	Venus's discs 860″ and 48325 are not the squares of 33″ 30‴ and 4′ 8″
155	batch_264 / p.792 (printed p.714), Scholium IV, on Gassendi's Mercury: "by which Mercury at both perigees is 25″ 36‴"	C	Mercury's perigee diameter given as 25″ 36‴; p.790 and Table 1 give 25″ 12‴
156	batch_265 / pp.794–795, Tables 2–4 (body counts, "Corpus continet Terram vicibus")	B	Several printed body counts are not the cubes of the diameters beside them
157	batch_265 / p.795, Table 4, Galileo row, Sirius body count (`8,427,672,000`)	B	Galileo's Sirius body count printed a power of ten below its neighbours
158	batch_268 / p.802, right col., Tobit 12 quotation: "It is good for now to hide the secret and sacrament of the King"	B	Printed *feretum*, not a Latin word, for *secretum*
159	batch_269 / p.805 (printed p.727), Chapter X: "368 ⅓ feet" against "73 ⅗ paces"	B	368⅓ feet against 73⅗ paces, which make 368 feet
160	batch_270 / p.809, left margin beside CAP. VII: "[Margin: Tycho's error, *facundus*, in the parallax of the Sun.]"	C	Margin prints *facũdus* ("eloquent"), which does not suit the sense
161	batch_271 / p.812, table head (pole 44° 30′) and prose (44° 29½′)	C	The pole's altitude is given as 44° 30′ in the table head and 44° 29½′ in the prose
162	batch_271 / p.812, right col.: "That lunation was of $29^{d}\ 49^{m}$ [Dier.29.49′.], or 745 hours"	C	29 days 49′ equated with 745 hours, as if the 49 were hours
163	batch_272 / p.815, Cap. XXIV: eccentricity `40 55/60`	B	Eccentricity 40 55/60 where half the printed difference gives 40 56/60

#	Anchor	Cat.	Item
164	batch_273 / p.818 (printed p.740): "Gemini ♊ 26° 21′ 20″"	B	26° 14′ 6″ + 7′ 13″ printed as 26° 21′ 20″ (sum 26° 21′ 19″)
165	batch_273 / p.818 (printed p.740), left col., last line: "at 19^h 25^m after noon."	B	Close of the example prints 19^h 25^m; its heading prints 17^h 25^m
166	batch_273 / p.819 (printed p.741), right col., Pétau entry: "in the year 580 before Christ, or 4234 of the Julian Period"	B	580 BC printed beside Julian Period 4234 (which is 480 BC)
167	batch_274 / p.820, right col., Fournier on the eclipse of 1621 May 21	C	Fournier's beginning, middle, incidence and duration do not agree with one another
168	batch_274 / p.822, Garratus table, row "10½ digits", time column (15^h^ 5½^m^)	B	15^h $5½^m$ printed between 15^h 59^m and 16^h $9½^m$
169	batch_275 / pp.824–825, star tables, *Summa* cells (451, 555)	B	Two printed column sums do not equal their cells (441, 585)

1. batch_007 / p.19 ("To this affinity of astronomy with Heaven and divine things") — *Category B — source compositor error*

The page divides the word at a line end as *Aſtro- / miæ*, so that it prints *Aſtromiæ*; the first letter of the new line stands at the column edge and nothing is lost in the gutter. *Astronomiæ*, which the translation follows, is evidently meant.

2. batch_015 / p.43, right col., 1553 row: "Erasmus Reinhold dies; he was born in the year 1611" — *Category B — source compositor error*

So printed, *natus erat anno 1611*, a birth after the death of 1553 (Reinhold was born in 1511). In this copy a later reader has drawn a pen stroke down through the printed 6 and written a 5 above it, in browner ink than the type; the other three figures are untouched. The printed figure is kept.

3. batch_016 / p.47, left col., al-Zarqālī entry: "in the year 1070 or 1073 before Christ" — *Category C — author/source anomaly*

So printed (*Anno ante Chriſtum 1070. vel 1073.*), confirmed on the page. The same entry places him 190 or 193 years after al-Battānī, which requires years after Christ. Preserved as printed.

4. batch_016 / p.47, right col., Walther entry: "on 1604 May 30" — *Category B — source compositor error*

So printed (*30. Maij Anni 1604.*), read on the page. Two lines above, the entry gives Walther's observations as running from 1475 to 1504; 1504 is evidently meant. Preserved as printed.

5. batch_016 / p.48, left col., Bessarion entry: "He died in 1437" — *Category C — author/source anomaly*

So printed (confirmed on the page). The chronicle of Part I (p. 43) gives Bessarion's death as 1473, which is correct. Preserved as printed.

6. batch_017 / p.49, left col., Cyril entry: "made bishop in the year 412 before Christ" — *Category C — author/source anomaly*

So printed (*Anno 412. ante Chriſtum factus*), confirmed on the page: *ante* is four clear sorts. The same entry dates Cyril's death to 444 and the beginning of his Paschal cycle to 437, both years after Christ, and Cyril became bishop of Alexandria in 412 AD; *post* is evidently meant. The text keeps the printed word and gives *after Christ* in a [recte:].

7. batch_019 / p.56, left col., first line of section M: "Macrobius Ambrosius Aurelius Theodosius" — *Category B — source compositor error*

The section opens with a two-line drop capital M followed by an italic capital A and an *e*, so that the page reads *MAerobius*. Macrobius is meant, and the translation gives the name so; the capital A after the drop capital is the usual setting, but the *e* for *c* is a misprint (the sort has the closed eye of this fount's italic *e*, not the open hook of its *c*).

8. batch_019 / p.56, left col., Bettini entry: "Among other works he wrote the *Apiarium*" — *Category C — author/source anomaly*

The page names the work in the singular, *Apiarium, ſeu paradoxa vniuerſæ Philoſophiæ Mathematicę*, and goes on *in quo Apiario 8.* Bettini's work was published under the plural title *Apiaria universae philosophiae mathematicae*, each of its parts being an *Apiarium*, which is how the book cites the parts elsewhere (*Apiario 8.*, *Apiario 10.*). The printed singular is kept.

9. batch_019 / p.56, right col., Ficino entry:"in Tim um Platonis" — *Category B — source compositor error*

The page prints *in Tim um Platonis*, with a clean space about a word-space wide between *Tim* and *um* and no outline of any sort in it. *Timæum* (Plato's *Timaeus*), which the translation follows, is meant; the *æ* sort was evidently dropped or failed to print.

10. batch_019 / p.56 (Ricci entry: "reached Goa in 1576, on September 13") — *Category C — author/source anomaly*

The page dates Ricci's departure from Italy to 1577 and his arrival at Goa to 1576, so that he arrives before he sets out; both figures are clearly printed. One of the two years is in error, and the page does not show which. Preserved as printed.

11. batch_024 / p.72 (table "Circulus vnus continet", Nona and Decima rows) — *Category B — source compositor error*

As printed, these two figures depart from the series (360×60^n) the rest of the table follows: the Nona figure, 362797056000000000000, has one zero too many (the series gives 36279705600000000000), and the Decima figure, 217678236000000000000, lacks a 3 among its significant figures (the series gives 2176782336000000000000). Every sort was counted; the figures are given as printed.

12. batch_024 / p.72 (second table, Octaua row, `6c466176000000000`) — *Category B — source compositor error*

The Octaua figure prints a sort that reads as `c` in the second place (`6c466176000000000`, seventeen sorts). The series of the table (360×60^8 = 6046617600000000) requires 0 there, and the sort is most likely a damaged or

ill-inked 0. It is given as it appears on the page; this copy does not show the sort whole.

13. batch_025 / p.74 (printed p.10, inner margin beside § VII: "Circuli n[?] Maximi") — *Missing-source lacuna*

The marginal note begins *Circuli n…*; after the *n* a further vertical stroke with a small raised mark above it is cut by the edge of the leaf, and the rest of the word is lost in the gutter of this copy. The raised mark admits either a tilde (*nõ*, i.e. *non*) or the dot of an *i* (*ni…*); the ink here does not decide between them. A second copy is needed to settle the word.

14. batch_028 / p.82, Cap. XIV ¶ I: "in the figure of Chapter 7: there the line KR, drawn through the middle of the parallels, marks the ecliptic" — *Category C — author/source anomaly*

The text refers the reader to the figure of Chapter 7, which stands on p. 74 (printed p. 10). There K and R are single letters set outside the outer ring at diametrically opposite points, in line with the centre G, but no straight line is drawn from K to R; the broad hatched band runs between points near C and P, on neither K nor R. The line KR the text describes is therefore to be imagined rather than seen in the woodcut.

15. batch_030 / p.90 (printed p.26), Scholium II: "our antipodes" — *Category B — source compositor error*

As read by one reader at high magnification, the sort between *Antip* and *dibus* is b-shaped, so that the page prints *Antipbdibus*, a foul sort for *Antipodibus*, which the translation follows. The reading rests on a single witness and has not been confirmed by a second crop.

16. batch_034 / p.100 (Cap. XXIX para. I: "they are the twelfth part of the natural day") — *Category C — author/source anomaly*

So printed, *duodecima*, set out in words. An equal hour is a twenty-fourth part of the natural day; a twelfth would be two hours. The slip may be the author's rather than the compositor's. Preserved as printed.

17. batch_035 / p.103 (printed p.39), Table II, Longomontanus row (20°) — *Category B — source compositor error*

The book's errata (p. 39, col. 2) give the printed figure here as 56 ⅓ and correct it to 52 (the correction is printed without a fraction). In this copy the figure is overwritten in ink by a later hand, and the type beneath cannot be read, so the misprint the errata quote is not confirmed from this page. The text gives the errata's correction.

18. batch_035 / p.103 (printed p.39), Table II, row "Cardano taken absolutely, and Scultetus" (19°) — *Category B — source compositor error*

The book's errata give the printed figure here as 1288 and correct it to 288. In this copy the first figure is struck through in ink and cannot be read, so whether the type of this copy carries the misprint is not established. The text gives the errata's correction.

19. batch_040 / p.118 ("7197 48/100" and "2023 48/100") — *Category B — source compositor error*

So printed; the figures were confirmed on the page. On the factors the page gives, 13902 × 5174 / 10000 is about 7192 89/100, where the page prints 7197 48/100, and the 2023 48/100 derived from it carries the same fraction. Preserved as printed.

20. batch_041 / p.122, table, row 4 (1′ 20″), distance column (5194) — *Category B — source compositor error*

So printed (confirmed on the page). The column still rises, but this row alone departs from the relation its neighbours follow; on that relation it would lie near 5157. Preserved as printed.

21. batch_042 / p.124, table, Roman column, rows BF and FL (1523, 2354) — *Category B — source compositor error*

So printed; the figures are clear on the leaf. FA, AL, MA, AP and MP of the Roman column stand to the Bologna values in the ratio 4:5, but BF 1523 and FL 2354 do not stand so to 1088⅖ and 1685⅗ (they stand to them at about 7:5). Preserved as printed.

22. batch_042 / p.125 (printed p.61): "53⅔ [recte: 56⅔ …] miles were found" (and again two sentences later) — *Category B — source compositor error*

The type prints *53⅔* at both places; the book's errata correct it to 56⅔, and in this copy a later hand has turned the 3 into a 6 in brown ink. Read at native resolution: the earlier finding that the press had corrected the figure was wrong, having read pen and type together. A third occurrence on the page lies under an ink blot and is left hedged in the text. The text gives the errata's reading.

23. batch_043 / p.127 (printed p.63), table, Arabic-miles row (53⅔, 6491) — *Category B — source compositor error*

The type prints *53⅔* (miles to a degree) and *6491*; the book's errata correct them to 56⅔ and 6497. In this copy a later hand has corrected the 3 to 6 in pen, turned the last figure of 6491 into a 7 and written 97 in the margin. The text gives the errata's readings.

24. batch_043 / p.127 (printed p.63), table, Bologna-miles row (8778) — *Category B — source compositor error*

The type prints *8778*; the book's errata correct it to 8278, and a later hand has made the same correction in pen in this copy. The text gives the errata's reading.

25. batch_044 / p.130, table (last column row 70° 0′; height column rows 50°, 83°, 86°, 89°) — *Category B — source compositor error*

So printed; every figure named here was confirmed on the page. In the last column every row is the degrees multiplied by 90, but the row for 70° prints 6372 (70 × 90 = 6300). In the height column the row for 50° prints 1778 | 600, between 1527 (40°) and 5000 (60°), where the secant method of the text gives about 2778. The rows for 83°, 86° and 89° (41027 | 550, 71677 | 950, 286493 | 450) exceed the secant less the semidiameter by about 5000 miles, as though the semidiameter had not been subtracted, unlike the row for 80° (23793 | 850). Preserved as printed.

26. batch_046 / p.137 (”on the testimony of Barthol[?] the Dane”) — *Category B — source compositor error*

The book's errata (p. 73, col. 1, l. 43) correct the printed *Bartholomæo* to *Bartolino* (Bartholin, the Dane). In this copy the end of the printed name is struck through in ink and the type cannot be read, so only *Barthol…* is legible here. The text gives the errata's correction.

27. batch_049 / p.145, table, London row (”olim” 11° 16′, ”nunc” 4° 3′) — *Category C — author/source anomaly*

So printed. The table gives London's former and present values as 11° 16′ and 4° 3′; paragraph VII gives 11° 15′ (1580) and 4° 6′ (1634). Both are clear on the page and are preserved as printed.

28. batch_050 / p.150, Prop. VIII comment: ”the square of the number 60, namely 3600, is twice as great as the square of the number of nearly 85, which is 7200” — *Category B — source compositor error*

So printed (*Quadratum autem numeri 60. nempe 3600. quadrato numeri ferè 85. quod eſt 7200. duplò maius eſt*). As set, 3600 is said to be twice 7200; the sense, and the comparison that follows (a two-foot height twice a one-foot height), require the square of about 85, 7200, to be twice the square of 60. The translation keeps the printed order.

29. batch_051 / p.151, Prop. XII (”3927 hundredths”; ”3 and 27/100 inches”) — *Category B — source compositor error*

So printed, twice, and again as 3 feet 3 27/100 inches; the figures were confirmed on the page. The page's own division, 50116320000 by 12787776, gives about 3919, not 3927. Preserved as printed.

30. batch_052 / p.155, left col., l.2: ”completes 240 paces in 4 seconds of an hour” — *Category C — author/source anomaly*

So printed (*paſſus 240*). The table on p. 154 gives 240 Roman feet at 24 vibrations, that is 4 seconds, and p. 154 equates 15 feet with 3 paces, so 240 feet would be 48 paces; *pedes* seems to be meant. Preserved as printed.

31. batch_057 / p.170, table, row 0′ 15″ (`154698556112`, `15470`) — *Category B — source compositor error*

So printed (confirmed on the page). Each row of the table below doubles as the angle halves (3′ 0″: 1146; 2′ 0″: 1719; 1′ 0″: 3438; 0′ 30″: 6875½, secant 68754937464), so the 15″ row should give about 13751 and a secant of about 137509874928; it prints 15470 and 154698556112. The figure 15470 for 15″ recurs in the text of p. 171. Preserved as printed.

32. batch_058 / p.173, table of the Sun's distance, row 0° 30′, column 60 (`5876`) — *Category B — source compositor error*

So printed (confirmed on the page). The value stands below the 6417 at its left and the 7334 at its right, breaking the increase across the row. Preserved as printed.

33. batch_059 / p.175, left col.: ”there would be from the Earth to the Sun 5020004000 stadia” — *Category B — source compositor error*

So printed, ten figures, confirmed on the leaf. The three distances just given (400, 2,000,000 and 500,000,000 stadia) add up to 502,000,400; the printed total is ten times that sum, with one 0 too many. Preserved as printed.

34. batch_059 / p.177, table, row "Kepler, from the Rudolphine Tables" (1′ 0″ | 0′ 58″ | 1′ 2″) — *Category C — author/source anomaly*

So printed; both places were read on the page. The prose of p. 175 gives Kepler's Rudolphine values as 1′ at apogee, 1′ 1″ mean and 1′ 2″ at perigee; the table row gives 1′ 0″ mean, 0′ 58″ at apogee and 1′ 2″ at perigee. Both are preserved as printed.

35. batch_060 / p.178, right col.: "a true altitude of 10° 41′ 45″" — *Category B — source compositor error*

So printed; the minute figure is a clear 1 in this copy. The two terms printed with it, 10° 39′ 42″ and 3′ 3″, give 42′, and the printed remainder 23° 22′ 30″ also implies 42′. Preserved as printed.

36. batch_061 / p.183 (printed p.119), table, first row, mean column (100′ 0″) — *Category C — author/source anomaly*

So printed (confirmed on the page): the mean value is set as 100 minutes, 0 seconds, where the sexagesimal form would be 1° 40′. Preserved as printed.

37. batch_061 / p.183 (printed p.119), table, row "Nos. Omnib. penſi-tatis" (We, all things weighed), apogee cell — *Category B — source compositor error*

The book's errata (p. 119, col. 2, l. 41) correct this row's *31′. 50″. 30′. 30″.* to *31′. 56″. 30′. 50″.* In the mean cell the type prints 50″ and a later hand has gone over the last figure as 6. In the apogee cell the first figure of the seconds is struck through and overwritten in ink, and the type beneath cannot be read, so the printed 30″ the errata quote is not confirmed from this page. The text gives the errata's corrections. The text a few lines away gives round values, 30½′ at apogee and 33′ at perigee (the table's perigee is 33′ 8″); those are as printed.

38. batch_063 / p.187 (printed p.123), table, Kepler perigee *Sum* row, Log. column (1[?]′ 28″) — *Category B — source compositor error*

The book's errata (p. 123, col. 2, l. 36) correct a printed *15′. 28″.* to *14′. 28″.* In this copy the second figure of the minutes is overwritten in pen as 4, and the type beneath cannot be separated from the pen stroke, so the printed 5 the errata quote is not confirmed from this page. The text gives the errata's correction.

39. batch_064 / p.191, table 1 (circumference and hourly columns: Copernicus, Kepler corrected, Boulliau, Ourselves, Lansbergen) — *Category B — source compositor error*

So printed; every figure named here was read on the page. Twice the printed figure multiplied by 3.14 gives about 7172 for Copernicus (printed 7071), 21233 for Kepler corrected (printed 21033), 9169 for Boulliau (printed 8269, from which the printed hourly value 344½ is derived) and 45844 for Ourselves (printed 45744). Lansbergen's 9411 divided by 24 hours is 392⅛, where the page prints 398⅛. The page's own Scholium on p. 190 gives yet another

circumference, 6943, for a diameter of 2284. Whether these are the author's or the compositor's slips cannot be decided from the leaf. Preserved as printed.

40. batch_068 / p.202 (the year lengths 365^d^ 5^h^ 48^m^ 46^s^ 32‴, … 43‴, … 37‴) — *Category B — source compositor error*

So printed; all three were read on the page. Six hours less 11′ 13″ 34‴ gives 5^{h} 48^{m} 46^{s} 26‴, where the page prints 32‴. 1320/1800 of a second is 44‴, where the page prints 43‴ (the year length 5^{h} 48^{m} 45^{s} 17‴ that follows is computed from the printed 43‴); 1080/1800 of a second is 36‴, where the page prints 37‴ (and 39^{s} 23‴ follows from it). Preserved as printed.

41. batch_070 / p.208–210: "Philaltæus [?] on *De caelo*, Book 2, text 51" (also batch_158 / p.472–474: "especially Philaltæus [?] and Amicus") — *Category C — author/source anomaly*

The name is left unidentified in the text. Proposal: this is Lucillo Filalteo (Lucillus Philalthaeus, of Brescia), whose commentaries on Aristotle's *De caelo* the book lists under 1563 in its chronology of astronomers (p. 56) and cites elsewhere as *Philalthaeus* on *De caelo* 2 (p. 157, where the edition identifies him as Lucillo Filalteo). Both citations here are to *De caelo* 2, which supports the identification, but the page gives no first name, so it remains a proposal.

42. batch_071 / p.211: "the total will be 4097833580" — *Category B — source compositor error*

So printed (*ſiet ſumma 4097833580.*), read on the page. 96540 multiplied by 42447 is 4097833380; the printed figure has a 5 for a 3 in the eighth place. Preserved as printed.

43. batch_074 / p.221 (printed p.157), table "Residuum tabulæ præcedentis", row "Nos interim" (We, for the present) — *Category B — source compositor error*

The book's errata correct two figures in this row, to 253 and to 7327. In this copy the third figure of the first is covered by an ink blot with a 3 written over it by hand, and the type beneath cannot be read; the second, 7250, is struck through in ink, with 7327 written by hand in the outer margin. The text gives the errata's corrections.

44. batch_075 / p.225, body: "the altitude of the equator, 31° 29′" — *Category B — source compositor error*

So printed (*Gr. 31. 29′.*), read on the page. The page's arithmetic in the same sentence (61° 58′ 30″ less this value = 23° 29′ 30″) requires 38° 29′. Preserved as printed.

45. batch_075 / p.225, table 2, 1643 June 21, true altitude (69° 0′ 21″) — *Category B — source compositor error*

So printed, read on the page. The other rows add 30″ to the apparent altitude (here 55″ + 30″ gives 25″), and the row's own obliquity (29′ 55″) stands with 25″. Preserved as printed.

46. batch_083 / p.247, second example: "99 days 9^{h} 20^{m} 5^{s} 28‴" — *Category B — source compositor error*

So printed (confirmed on the page, the 28‴ carried over to the next line). From September 22, $14^{h}\ 48^{m}\ 6^{s}\ 12‴$ to the following noon makes $9^{h}\ 11^{m}\ 53^{s}\ 48‴$ of the part-day, where the page prints $9^{h}\ 20^{m}\ 5^{s}\ 28‴$. Preserved as printed.

47. batch_084 / p.251 (left col., l.1: "and is nourished by waters") — *Category B — source compositor error*

The page prints *nutriti*, a participle with nothing to agree with, coordinate with the infinitive *habere* after *affirmat*; the sense requires an infinitive such as *nutriri*, which the translation follows. The letters are clear in this copy.

48. batch_090 / p.270 (Moon plate fig-p270-1, rim label `p[?]cum`) — *Missing-source lacuna*

On the engraved rim of the Moon plate the label reads *p…cum*. Between the *p* and the *c* stands one joined figure: a stem with a right-hooked foot, a flat top bar and a second stem. It is not shaped like the arches of the *m* in the same word, and may be a *t* joined to an *i*, but no *i*-dot can be told apart from a burr on the rim line, so a single *n* is not excluded either. No letter is seen before the *p*. A second copy of the plate is needed to settle the label.

49. batch_090 / p.270 (Moon plate fig-p270-1, label Theætet.[?]) — *Missing-source lacuna*

The plate label reads *Theætet.* or *Theatet.* (for Theaetetus). Joined to the right of the *a* is a small solid element in the upper half of the x-height. A free *a* elsewhere on the plate (*Calippus*) has nothing there, but the element also lacks the eye and the lower curve of the plate's own *æ* (in *Ptolemæus*). It may be a cramped or clogged *æ*, but this copy does not show it. A second copy of the plate is needed.

50. batch_096 / p.288, first table, row 1643 "June 5" (prose p.287: "on June 2") — *Category C — author/source anomaly*

The prose of p. 287, reporting Boulliau's observations of 1643 (May 3, May 30 and 31, then *die 2. Iunij*), dates the approach of the Sea of Crises to the western limb June 2; the synopsis table on p. 288 sets the same observation at *Iunij 5*. Both figures are clear on the page (the table's 5 is the flagged 5 of this fount, the prose's 2 has its flat foot), so the book disagrees with itself, and the page does not show which date is right. Both are preserved as printed.

51. batch_096 / p.288 (catchword `Qua-`) — *Category B — source compositor error*

The catchword at the foot of p. 288 prints *Qua-*, with a plain italic *a*, while the first word of p. 289 is *Quæstio*, with a clearly printed *æ*. Catchword and head differ in the print; the reading is not in doubt.

52. batch_099 / p.297 (printed p.219), table, Tycho row (4° 58′ 0″) — *Category B — source compositor error*

The type prints *4° 58′ 0″*; the book's errata correct the seconds to 30″, and in this copy a later hand has added a 3 in pen, giving 30″. The text gives the errata's reading.

53. batch_099 / p.297 (printed p.219), §VII ("at the quadratures 5° 17′ 16″") and table, row 2, column □ (5° 17′ 30″) — *Category C — author/source anomaly*

Section VII gives Tycho's greatest latitude of the Moon at the quadratures as *Gr.5.17′. 16″.*; the table on the same page, in the row of Tycho and those who follow him, column *in* □, prints *5 17 30*. Both seconds figures are clear on the page (the text's 16 has the closed-bowl 6; the table's 30 is the same pair of sorts as the 30 in the neighbouring ♂ cell). The book disagrees with itself; both are preserved as printed.

54. batch_102 / p.306 (right col., sect. VII: "and of fewer than 100") — *Category C — author/source anomaly*

So printed (*pauciorum quàm 100.*), though 100 is less than the 105½ given as the lower bound in the same clause; the page supplies no larger upper bound. The figure is clear in this copy. Preserved as printed.

55. batch_104 / p.310, second table, *Totales* row 10 (15′ 40″, 16′ 39″) — *Category C — author/source anomaly*

So printed (confirmed on the page). The apparent diameters 15′ 40″ and 16′ 39″ are about half of every other row in those columns (30′ to 33′). Preserved as printed.

56. batch_106 / pp.317–318 (doubled apogee period; table of the Moon's motion; Scholium I) — *Category B — source compositor error*

So printed; each figure named here was confirmed on the page. On p. 317 the doubled period is given as 17 Egyptian years $277^{d}\ 12^{h}$, but twice 8 Egyptian years $311^{d}\ 5½^{h}$ is 17 years $257^{d}\ 11^{h}$ (the remainder $315^{d}\ 15^{h}\ 50^{m}$ is computed from the printed 277^{d}). In the table on p. 318: one minute, greatest, 1142, against 68864 / 60 = about 1147; one minute, mean, 1042 1/5, against 60851½ / 60 = about 1014; day diameters, mean, 176 6/7, against 1460431 / 8278 = about 176.4; day diameters, greatest, 199 10/13, against 1652734 / 8278 = about 199.65; hour miles, least, 55186 1/3, against 1324480 / 24 = 55186⅔. In Scholium I, 1200600 against 50400 × 24 = 1209600. Preserved as printed.

57. batch_108 / p.322 (left col., § XII: "29 12313/42053 days") — *Category B — source compositor error*

So printed. The page's own figures, 1241850 days divided by 42053 months, give 29 22313/42053; the numerator's first figure is clearly a 1 in this copy. Preserved as printed.

58. batch_108 / p.323 (right col., Wendelen: "79736 days") — *Category B — source compositor error*

So printed, five figures. The 2184 Egyptian years and 166 days of the same sentence make 797326 days; the printed figure has lost a digit. Preserved as printed.

59. batch_108 / p.323 (right col., Boulliau: "76404^{d} 9^{h} 1^{m} 29^{s}, 24937 months") — *Category B — source compositor error*

So printed, five figures with no gap. 24937 mean months come to about 736404 days, the figure printed two lines above; the second figure has evidently lost its 3. Preserved as printed.

60. batch_109 / pp.325–326 ("it completed 139° 2′"; mean elongation 182° 51′ / 182° 50′) — *Category B — source compositor error*

So printed; the figures were confirmed on the page. On p. 326, 137° 34′ plus 1° 21′ is 138° 55′, while the true motion is printed 139° 2′. On p. 325 the same mean elongation reads 182° 51′ in paragraph V and 182° 50′ in paragraph VI. Preserved as printed.

61. batch_109 / p.326 (right col., table row 2, Anni Christi: "1177") — *Category B — source compositor error*

So printed; the second figure is a plain 1 in this copy. The table's run of years (1573, …, 1577, 1580 …) requires a year of the 1570s, most probably 1577. Preserved as printed.

62. batch_109 / p.326 (left col.: "angle CEI is 6° 21′") — *Category B — source compositor error*

So printed, repeating the value of EDI. In the triangle right-angled at I, with ECD printed as 89° 37½′ one line above, the angle at E should be 0° 22½′. Preserved as printed.

63. batch_110 / p.328, table, rows 24–25 (years 1462, 1461) — *Category C — author/source anomaly*

So printed (confirmed on the page): row 25, year 1461, follows row 24, year 1462, and is followed by 1464. Preserved as printed.

64. batch_116 / p.347 (*Nonò* example: "there remain 50′ 84/100, or 50′ 45″, for the Variation") — *Category B — source compositor error*

The page prints both values, and they do not agree: 84/100 of a minute is about 50″, not 45″. The sum that follows (*additis 50′ 45″*) uses the 45″. Both are legible as printed and are preserved.

65. batch_117 / p.349 ("sometimes only 23′") — *Category C — author/source anomaly*

So printed; both are clear on the page. The text gives the lower value of the Variation as "sometimes only 23′", and the note to the table on the same page gives the least as 24′, in the limits. Both are preserved as printed.

66. batch_120 / p.360 ("there is left the place of the lunar apogee, 2^{s} 1° 0′ 22″") — *Category B — source compositor error*

So printed. The book's own table figures (0^{s} 6° 19′ 6″ less 10^{s} 5° 12′ 44″) give 2^{s} 1° 6′ 22″, and the remainder that follows would then be 8^{s} 23° 12′ 52″. The page prints 0′ and 18′, which are consistent with each other, so the figures that follow are computed from the printed 0′. Preserved as printed.

67. batch_124 / p.371, table, row 49 under *Anni CHRISTI* ("Caesar, having crossed the Rubicon"; "Dio, Book 4") — *Category C — author/source anomaly*

On p. 370, among the years before Christ, the row *50 aut 49* records an eclipse of the Sun and Caesar's crossing of the Rubicon, citing *Dio lib.41.* On p.

371, under the heading *Anni CHRISTI*, the row for the year 49 records the same event again (a total eclipse of the Sun, after which Caesar crosses the Rubicon), citing Lucan and *Dione lib.4.* The book number is clearly printed with a single figure. Caesar crossed the Rubicon in 49 BC, and Dio narrates it in Book 41; the second entry appears to be the same report set again under the wrong era, with the book number one figure short. Both entries are preserved as printed.

68. batch_126 / p.377 (printed p.299), left col., no. X (Boulliau): "B E D, 14′ 21″" and "the angle B E D, 14′ 30″" — *Category B — source compositor error*

So printed (*B E D, 14′.21″.* and, in the next sentence, *B E D, 14′.30″.*), both crisp on the page. That sentence obtains the Sun's parallax at perigee, 2′ 24″, by subtracting B E D from B N D, 16′ 45″: 16′ 45″ − 14′ 21″ gives the printed 2′ 24″, whereas 14′ 30″ would give 2′ 15″. The second figure is therefore the slip; it is the same as K N, 14′ 30″, printed just before. Whether the slip is Boulliau's, the author's or the compositor's the page does not show. Preserved as printed.

69. batch_126 / p.378, prose ("For Wendelen the former is 46′ 39″ and the latter 38′ 43″") and table, Wendelen row (46′ 33″, 38′ 30″) — *Category C — author/source anomaly*

The prose gives Wendelen's greatest semidiameter of the Earth's shadow (Sun at apogee, Moon at perigee) as *46′. 39″.* and the least (Sun at perigee, Moon at apogee) as *38′. 43″.*; the table on the same page, in Wendelen's row, prints *46 33* and *38 30* in the corresponding columns, the same pair in both halves of the table. All four figures are crisply printed. The book disagrees with itself, and the page does not show which pair is right. Both are preserved as printed.

70. batch_126 / p.378, table, Second part, Reinhold rows, ☉ apogee ☾ perigee (40′ 3″, 40′ 8″, 40′ 12″) — *Category C — author/source anomaly*

So printed (each cell read on the page, column-aligned with the rows above and below). The text on this page, reporting Kepler, names ☉ at apogee and ☾ at perigee as the configuration of the greatest semidiameter of the shadow, and in every other pair of the table, in both parts and at both positions of the Sun, the ☾-perigee figure exceeds the ☾-apogee figure, by between about 2′ and 13′ (so Reinhold's own ☉-perigee pairs in the Second part: 39′ 2″ and 49′ 0″, 38′ 57″ and 48′ 55″, 38′ 52″ and 48′ 50″). Reinhold's three ☉-apogee ☾-perigee figures in the Second part, 40′ 3″, 40′ 8″ and 40′ 12″, stand instead 2″ below the ☾-apogee figures beside them (40′ 5″, 40′ 10″, 40′ 14″). The page does not show what was meant. Preserved as printed.

71. batch_130 / p.388, table, row "Reinhold, with the Sun's eccentricity least" (13° 1′ 0″) — *Category B — source compositor error*

The book's errata correct a printed 31 here to 13. In this copy both figures of the degree are written over by hand, and what the pen now shows is 13. Under the pen no printed sort edge can be seen at either position: a lobe beside the first stroke may be the lower bowl of a type 3, which would suit a printed 31, but it could equally be a pen flourish. Whether this copy's type carries 31 or

already 13 cannot be decided here; a second copy is the only route. The text gives 13.

72. batch_131 / p.391, full-width table, difference columns (Alfonso and Peuerbach; Copernicus and Reinhold; Lansbergen; Wendelen) — *Category B — source compositor error*

So printed; an independent audit read each cell at 3.5× and found them printed exactly so. Alfonso and Peuerbach, last group: printed 33 17 0, where 36 0 0 less 2 23 0 gives 33 37 0. Copernicus and Reinhold, least, fifth group: printed 26 32 35, where 29 6 5 less 2 32 45 gives 26 33 20. Lansbergen, last group: printed 34 18 0, where 36 42 0 less 2 23 0 gives 34 19 0. Wendelen, fifth group: printed 27 38 0, where 29 30 0 less 2 33 0 gives 26 57 0; last group: printed 33 30 0, where 38 8 0 less 2 23 0 gives 35 45 0. Preserved as printed.

73. batch_138 / p.412, section VI: "the excess is therefore 4′ 16″. Multiplied by 12 this makes 49′" — *Category B — source compositor error*

So printed (confirmed on the page, across the column break). 4′ 16″ multiplied by 12 is 51′ 12″, not 49′. Preserved as printed.

74. batch_140 / p.418, table of limits, greatest arc, rows Longomontanus and Nobis (97′ 24″, 97′ 0″) — *Category B — source compositor error*

So printed (confirmed on the page). The arc columns otherwise equal the sum of their two semidiameters, but Longomontanus prints 97′ 24″ with semidiameters 63′ 4″ and 34′ 22″ (sum 97′ 26″), and Nobis prints 97′ 0″ with 63′ 45″ and 33′ 30″ (sum 97′ 15″). Preserved as printed.

75. batch_143 / p.428 (Scholium III: "ecliptic revolutions of 19 years were not more than 317 and not fewer than 316; but of 18 years, not more than 300 and not fewer than 299") — *Category B — source compositor error*

So printed. On the 5703 and 5694 years given just before, 19-year cycles come to about 300 and 299, and 18-year cycles to about 317 and 316; the page appears to have exchanged the figures of the two cycle lengths. All figures are clear in this copy. Preserved as printed.

76. batch_148 / p.442, left col., entry for the year 413 (☾ Total): "in year 19 of the Peloponnesian War, and in year 3 of Olympiad 93" — *Category C — author/source anomaly*

So printed (*Anno 19. belli Peloponneſiaci, & 3. Olympiadis 93.*), the figures clear on the page. By the page's own reckoning the eclipse of 404 falls in the first year of Olympiad 94 and the last year of the War, so the War's nineteenth year, nine years earlier, falls in the fourth year of Olympiad 91. The third year of Olympiad 93 is the year the page itself gives, a few lines below, to the lunar eclipse of 406, and the figure appears to have been carried over from that entry. Preserved as printed.

77. batch_149 / p.447, 418 entry: "on the 14th before the Kalends of August, or July 16" — *Category B — source compositor error*

So printed (*XIV. Kalend.Auguſt. ſeu 16. Iulij*), read on the page. By the Roman inclusive count the fourteenth day before the Kalends of August is July 19. Preserved as printed.

78. batch_150 / p.450, left col., Year 1520 entry: "The eclipse of the Sun in [?] 10°" — *Missing-source lacuna*

The sign is not the Cancer sign the same page prints in the Year 1491 entry, but a small picture of a creature: a dark body with short legs above and below, a curled hook at the left end and an upturned curl at the right. The hooked ends could be a crab's claws (Cancer, ♋) or a scorpion's tail and pincers (Scorpio, ♏), and no second instance of either picture on the page serves as a control. The text leaves the sign open; a second copy, or Origanus's preface to volume 3 of his *Ephemerides*, which the entry cites, would settle it.

79. batch_151 / p.453, table, rows Alphonsi and Copernici — *Category B — source compositor error*

So printed (every cell confirmed on the page). In the Alfonso row the beginning and end are $10^{h}\ 46^{m}$ and $12^{h}\ 42^{m}$, a duration of $1^{h}\ 56^{m}$, where the table prints 2 56. In the Copernicus row the middle, 9 50, is not the midpoint of 8 32 and 10 50 (which is 9 41). Preserved as printed.

80. batch_154 / p.460 (third table, row 16, second time column, `3^h^ 31^m^`) — *Category B — source compositor error*

So printed (the figure is clear in the type). It breaks the order of the phases: the neighbouring rows give $2^{h}\ 57^{m}$ and $3^{h}\ 25^{m}$, so the sequence requires a time between them; the page does not show which figure is wrong. Preserved as printed.

81. batch_154 / p.462: "8305 oscillations … therefore 3 hours 3′ 13″" — *Category B — source compositor error*

So printed (confirmed on the page). 8305 oscillations of the pendulum, at 2820 to the hour, give about $2^{h}\ 56^{m}\ 42^{s}$, where the page prints $3^{h}\ 3^{m}\ 13^{s}$. Preserved as printed.

82. batch_156 / p.467, left block, year column, row following 1494 March 7 (2494) — *Category B — source compositor error*

So printed, read on the page. The row stands among the 1494 rows, and a year 2494 lies outside the table's range; 1494 is evidently meant. Preserved as printed.

83. batch_156 / p.468 (eclipse table, 1613 October 28 (☾), digits column, 1 T. 20′) — *Category B — source compositor error*

So printed: a single figure 1, with blank paper where a second figure would stand. The eclipse is marked total (T.), which requires 12 digits or more, so a figure is missing from the print; which one cannot be read from the page. Preserved as printed.

84. batch_160 / p.480, table 1, Leo row, last column (♌ 17° 20′) — *Category B — source compositor error*

So printed (confirmed on the page). In the other rows the last two columns differ by a constant 56° 26′; in the Leo row that difference would give ♌ 17° 27′, where the page prints 17° 20′. Preserved as printed.

85. batch_161 / pp.482–483 (Hainzel: 3° 0′ 30″; Bologna, December 1643: 2° 36′ 50″) — *Category B — source compositor error*

So printed (confirmed on the page). For Hainzel, half the difference of 51° 22′ 15″ and 45° 21′ 45″ is 3° 0′ 15″, where the page prints 3° 0′ 30″. For Bologna in December 1643, half the difference of 47° 6′ 40″ and 41° 52′ 20″ is 2° 37′ 10″, where the page prints 2° 36′ 50″. Preserved as printed.

86. batch_162 / p.485, fraction after "quàm Sol 2" (`2 2/[?]`) — *Missing-source lacuna*

The figure reads 2 and a stacked fraction whose numerator is 2. The denominator is one small, heavily inked sort with a flat top, a waist jutting left and a lower bow open to the left; ink has filled the counter that would distinguish this fount's 3 from its 5. The value is therefore 2⅔ or 2⅖, and the text leaves it open. A second copy is needed.

87. batch_165 / p.493 (printed p.415), Platonic table, rows ♃ and ♄ (`69125, 1866375, 27993654`) — *Category B — source compositor error*

So printed (confirmed on the page). The first column runs 4, 8, 24, 96, 864, and the text's rule gives 8 × 864 = 6912 for ♃, where the page prints 69125, and then 1866375 for ♄; the second column runs 60, 120, 360, 1440, 12960, 103680, and 27 × 103680 is 2799360, where the page prints 27993654. The extra final figures may be fractions set in line, but the page does not show them as such. Preserved as printed.

88. batch_165 / p.494 (printed p.416), Bettini table, row *Cælum Crystall.* (`2574 3/4`) — *Category B — source compositor error*

So printed (confirmed on the page). The row states *Tres quartæ* of 3435, which is 2576¼, where the page prints 2574¾. Preserved as printed.

89. batch_165 / p.495 (printed p.417), para. XI: "so 14320 is to 34,077,066 2/3, the distance of the fixed stars" — *Category B — source compositor error*

So printed. The proportion stated in the same sentence (6 : 14320 = 14320 : x) gives 34,177,066⅔; whether the slip is the compositor's or Riccioli's own cannot be told from the page. Preserved as printed.

90. batch_165 / p.495 (printed p.417), para. XII (`10,312,227`) — *Category B — source compositor error*

So printed (confirmed on the page). 68,754,937 taken at 1498½ per 10000 is about 10,302,927, where the page prints 10,312,227. The same figure recurs in Table 3 of p. 794. Preserved as printed.

91. batch_166 / p.497, table "Distantia fixarum a Terra" (a Copernici sectatoribus), Hérigone row, half parallax — *Category B — source compositor error*

The book's errata correct Hérigone's half parallax in this row to 3′ 0″ (and his distance 144000 to 1440000). In this copy a later hand has written 3 and 0 over the print. Under the 3 of the minutes the type is a printed 0, to which the hand has added a hook and a tail; the type under the pen 0 of the seconds cannot be read. The text carries the printed 0′ with the seconds unread, and gives the errata's correction. The final 0 of the distance figure has also been added by hand in this copy.

92. batch_166 / p.497, table "Fixarum distantia a Terra", Bettini row, parallax (90″ 0‴) — *Category C — author/source anomaly*

So printed (confirmed on the page): the parallax is set as 90 seconds, 0 thirds, where the sexagesimal form would be 1′ 30″. Preserved as printed.

93. batch_168 / p.504, Tycho's distance of Capella from the bright star of Aries (44° 6′ 30″ / 44° 6′ 36″) — *Category C — author/source anomaly*

So printed (confirmed on the page). Tycho's distance of Capella from the bright star of Aries reads 44° 6′ 36″ in the left panel and 44° 6′ 30″ in the right panel of the same page. Both are preserved as printed.

94. batch_170 / p.510 (printed p.432), para. VII: "4^{h} 58^{m}, by Tycho's clock" — *Category B — source compositor error*

So printed. The Example table below prints 4^{h} 48^{m} for the same observation, and its elapsed interval of 2^{h} agrees with 48; which of the two figures is the slip cannot be told from the type. Both are preserved as printed.

95. batch_176 / pp.526–528 (periods of the fixed stars: Tycho/Kepler/Boulliau 25806; Gassendi 25000; Arcturus 204 years) — *Category B — source compositor error*

So printed (confirmed on the page). On p. 526, the whole period 25806 years for Tycho, Kepler and Boulliau does not close with 1° in 70⅗ years (360 × 70⅗ = 25416), and Gassendi's 25000 does not close with 1° in 70 years (25200). On p. 528, Arcturus's 2° 2′ at 100 years a degree gives 203⅓ years, where the page prints 204. Preserved as printed.

96. batch_180 / p.538 (Gr.89. 47′. 28″ as double of 44. 53′. 14″; ♈R Gr.25.6′.46″ twice) — *Category B — source compositor error*

So printed (confirmed on the page). Twice 44° 53′ 14″ is 89° 46′ 28″, where the right column prints 89° 47′ 28″. At the foot of the left column ♈R is printed 25° 6′ 46″, twice, while 90° less 44° 53′ 14″ is 45° 6′ 46″; the printed 102° 9′ 44″ that follows is computed from the 25. Preserved as printed.

97. batch_182 / p.546, table of risings and settings: Arcturus, setting cosmic (♊ 3° 16′; June 28); Aries, rising heliacal (♈ 22° 8′; Apr. 18) — *Category C — author/source anomaly*

Riccioli says he added the day and month to Pétau's table himself, by the rule he gives just above: count about a day for each degree from the Sun's ingress into the sign, as in his worked example for Aquila (♑ 10° 29′, ingress December 22, hence January 2). By that rule and the ingress table on the same page (♊ May 24, ♈ March 22), ♊ 3° 16′ falls about May 27, where the table prints *Iun. 28*, and ♈ 22° 8′ about April 13, where it prints *Apr. 18*. The other cells of these rows follow the rule (e.g. Arcturus, setting acronychal, ♐ 3° 16′, November 27). Both dates are clearly printed. Preserved as printed.

98. batch_183 / p.547, table of risings and settings, row Preceding head of Gemini, setting acronychal (♊ 27° 32′; May 21) — *Category C — author/source anomaly*

So printed, *Maij 21*, the month plainly set. By the rule and ingress table of p. 546 (the Sun enters ♊ on May 24, and moves about a degree a day), ♊ 27° 32′

falls about June 20–21; the heliacal setting of the same row (♊ 12° 56′) is dated June 6 and Auriga's ♊ 26° 55′ June 20. The day agrees with the rule and the month does not, so *Iunij* is probably meant. Preserved as printed.

99. batch_184 / p.550: "But Philander [?], on Book 9, Chapter 7, says" (also the margin note) — *Category C — author/source anomaly*

The name is left unidentified in the text. Proposal: this is Guillaume Philandrier (Philander), the commentator on Vitruvius, whom the book cites elsewhere under the same printed name (pp. 121–122, 137–138, 559). A reference by book and chapter, "Book 9, Chapter 7", fits his annotations on Vitruvius, whose Book 9 deals with the stars, their risings and the sundial, and the passage concerns the rising of the Dog Star. The page names no work, so it remains a proposal.

100. batch_186 / p.557, table MOTVS FIXARVM, rows 10000 (138° 59′ 20″) and 20000 (277° 58′ 40″) — *Category B — source compositor error*

So printed. At the rate of 50″ a year that every other row of the table follows (9000 years, 125° 0′ 0″; 25920 years, 360° 0′ 0″), 10000 years give 138° 53′ 20″ and 20000 years 277° 46′ 40″. The printed 20000-year figure is exactly twice the printed 10000-year figure, so the slip was carried from the one row to the next. All figures are clear on the page. Preserved as printed.

101. batch_187 / p.559 (printed p.481), first table, Polhymnia row (Nete): λιχανὸς ὑπατῶν — *Category C — author/source anomaly*

The book prints λιχανὸς ὑπατῶν (lichanos hypatōn) here and again four rows below, at Mese. In the descending order of the Greater Perfect System the note between Mese and parhypatē mesōn is lichanos mesōn, so the first occurrence appears to be an error of the source. The book's errata for p. 481 (col. 2, ll. 59, 62, 63, the Polhymnia, Melpomene and Erato rows) direct ὑπάτων for ὑπατῶν, an accent change only, and do not touch the word; the standard form ὑπατῶν, which the type prints, is kept. Preserved as printed.

102. batch_190 / p.570: "$12^{h}\ 44^{m}\ 3^{s}\ 12'''$" — *Category B — source compositor error*

So printed (confirmed on the page). 531/1000 of a day is about $12^{h}\ 44^{m}\ 38^{s}$. Preserved as printed.

103. batch_191 / p.571, left col., foot of no. V: "about 480: for the innermost has 180, the next-to-innermost 130, the next-to-outermost 50, the outermost 20" — *Category B — source compositor error*

So printed, read on the page. The four parts, 180, 130, 50 and 20, add up to 380, not 480. Preserved as printed.

104. batch_193 / p.577, left col.: "and again that it fell short throughout the year 1625" — *Category C — author/source anomaly*

So printed (*toto Anno 1625. defeciſſe*), the figure clear on the page. The sentence reports what Kepler says in the introduction to the *Commentaries on Mars* (the *Astronomia nova*, published 1609), beside the years 1608 and 1593; a year 1625 lies after that book appeared. The page does not show whether a

forecast of the Prutenic tables is being reported in the past tense or a year has been misprinted. Preserved as printed.

105. batch_195 / p.585, ¶ VI: "the definitions of these apogees given at the end of number II, and those of lines 2 and 3 given in number III" — *Category C — author/source anomaly*

So printed. On the preceding page the apogees are defined under paragraph III and the lines under paragraph IV, so each reference names the paragraph one below; the page does not show whether the slip is in the references or in the paragraph numerals. Preserved as printed.

106. batch_197 / pp.589–590, distances and roots tables (♂, ♃ and ♄ rows) — *Category B — source compositor error*

So printed; every figure named here was confirmed on the page. On p. 589: for ♂ greatest distance (Copernicus, Kepler) the distance is 11248 but the semidiameter of the convex, which should contain it, is 11243 0′ (the same authors' ♄ and ♃ rows each add 5); for ♃ greatest distance (Giuntini, Maurolico) 17571 repeats the ♄ figure just above; for Fernel the ♃ convex is 16190 15′ against the ♄ concave 16090 15′ below it, a difference of exactly 100 where other authors' figures match. On p. 590: for ♃ least distance (Copernicus, Kepler) the concave semidiameter 12243 0′ exceeds the distance 11248 by nearly 1000; for ♂ least distance the concave 1545 exceeds the distance 1543; and in the roots table, ♃ apogee of the eccentric for Alfonso is printed Signs 2, Deg. 42, a degree figure above 30. Preserved as printed.

107. batch_200 / pp.599–600 (section VIII mean `65497`; Tycho table, centre D row, ♃ parts `61860`) — *Category B — source compositor error*

So printed (confirmed on the page). On p. 599, section VIII, the mean of 67962½ and 63028½ is 65495½, where the page prints 65497 (and the table on p. 600 prints 65497 too). In the Tycho table on p. 600, on the ♄ and ♂ lines of the centre D block the parts equal 100000 less the radius of the annual orb above them; the same operation on ♃ gives 71860, where the page prints 61860. Preserved as printed.

108. batch_201 / pp.602–603 (paragraph III: AK `9448`; measures table, ♄ greatest distance from the Sun, parts `10970`) — *Category B — source compositor error*

So printed (confirmed on the page). On p. 602, AK is printed 9448 twice, but the triangle's stated legs HK 9404 and AH 4015 give a hypotenuse of about 10225; the later steps depend on the printed figure. On p. 603, the ♄ greatest distance from the Sun is printed 10970, the same as ♂, while AB 570 plus EO 10000 would give 10570. Preserved as printed.

109. batch_201 / p.603, paragraph IV: "which he gives in the *Uranometria*, book 2, Element 9, as 1498 35/60 terrestrial semidiameters" — *Category C — author/source anomaly*

So printed; the fraction was read on the page as 35/60 (both figures of the numerator decided separately). The table on the same page gives the Sun's

distance as 1498½, and on p. 651 the mean distance of the Sun is given as 1498 33/60. The three forms are preserved as printed.

110. batch_207 / p.621, § IX, Example 3: "he will see to be 8721 under Longomontanus" — *Category C — author/source anomaly*

The figures 8721 (letter D) and 2907 (letter E) are as printed, but they are the table's values for Saturn in the Longomontanus column; the example concerns Mars, for which the same table gives 13912 and 4637. The first two figures of the example (18550, 9775) are the table's Mars values. Preserved as printed.

111. batch_208 / p.624, VI: "19402 parts, and a half of 9702" — *Category B — source compositor error*

So printed (confirmed on the page). Half of 19402 is 9701. Preserved as printed.

112. batch_209 / p.627, third step: "45° 0′ 54″" then "45° 0′ 6″" — *Category C — author/source anomaly*

So printed (both confirmed on the page). The arc AB is given as 45° 0′ 54″ and, five lines lower in the same step, as 45° 0′ 6″. Both are preserved as printed.

113. batch_210 / p.628: "8988 and 9129, whose arithmetic mean … 9056" — *Category B — source compositor error*

So printed (confirmed on the page). The arithmetic mean of 8988 and 9129 is 9058½. Preserved as printed.

114. batch_213 / p.637, § XX: "an equation of the orb of 32° 58′ 50″" — *Category B — source compositor error*

So printed, and the figure is clear on the page. The page's own figures — Mars observed at ♎ 2° 8′ 30″ and the eccentric place 4^{s} 29° 19′ 40″ — give a difference of 32° 48′ 50″, 10′ less; the leaf does not show whether the 58′ here or the 8′ of the observed place is the misprint. Preserved as printed.

115. batch_213 / p.639, table, ♂ block, Longomontanus row (38° 8′ 0″ / 128° 0′ 0″) — *Category B — source compositor error*

So printed: the greatest equation is 38° 8′ 0″ and the anomaly 128° 0′ 0″. In every other row of this table the anomaly carries the same minutes and seconds as the greatest equation, so one of the two cells is probably misprinted; the page does not show which. Preserved as printed.

116. batch_216 / p.648, XI: "keeping the semidiameter of the small circle at 108 and the diameter at 208" — *Category B — source compositor error*

So printed (read on the page). The same paragraph gives the diameter as 208 and the quarter part as 104, so the semidiameter should be 104. Preserved as printed.

117. batch_217 / p.651, prose: "the greatest of Venus, which for Lansbergen is 422" — *Category C — author/source anomaly*

So printed (confirmed on the page). In the table of the same page Venus's greatest eccentricity AD is 349 and the Sun's greatest is 421. No correction is asserted. Preserved as printed.

118. batch_218 / p.654, first table, row "Distantia à Sole Minima", ♀ (AO … 73852½ … 9[?][?]) — *Category B — source compositor error*

The book's errata quote this row as printed *AO. 73852½. 952.* and correct it to *AQ. 70585. 910.* In this copy a later hand has corrected the row in pen. In the label, the A and the round bowl of the second letter are printed, but the tail of the Q is in pen, so whether the type is an O given a tail by hand or a Q whose own tail is over-inked cannot be seen. In the semidiameter cell the first figure, 9, is printed; the last two are written over in pen as 10, and the type beneath cannot be read, so the printed 952 of the errata is not confirmed from this page. A second copy is the only route. The text gives the errata's corrections.

119. batch_218 / p.654, first table, ☿ rows AL (3411), AI (5685), IL (1137) — *Category B — source compositor error*

So printed (confirmed on the page). The row labelled *Tres quintæ Eccentricitatis* AL gives 3411, which is one half of the printed AK 6822, not three-fifths. The prose at the top of the page makes AI four-fifths and DI one fifth in ☿, but the printed AI 5685 and IL 1137 stand at 5 to 1. Preserved as printed.

120. batch_220 / p.658, § Secundò: "many and more correct observations of Venus" — *Category B — source compositor error*

The page prints *correctiones*, "corrections" (the *n* is clear in this copy); the construction with *obſeruationes* requires the adjective *correctiores*, "more correct", which the translation follows.

121. batch_220 / p.659, § Secundò: "makes 21923000" — *Category B — source compositor error*

So printed; the figures are clear in this copy. 8774 multiplied by 2500 is 21935000; the quotient taken next, 219 parts, follows from either figure. Preserved as printed.

122. batch_220 / p.660, Secundò and Tertiò steps (38805, twice) and MENSVRÆ NOSTRÆ, ♀ least distance AL, parts (23900) — *Category B — source compositor error*

So printed (confirmed on the page). 45500 less 6795 is 38705, where the page prints 38805, and again in the Tertiò step. In the table, 96540 less 70640 is 25900, where the page prints 23900; the semidiameter value 1880 beside it follows from 7037 less 5157. Preserved as printed.

123. batch_222 / pp.664, 666 (Table VI, ☿ Maginus and Nos; Mercury table row 9) — *Category B — source compositor error*

So printed (confirmed on the page). In Table VI the anomalies of the orb at apogee and perigee sum to 180° in every pair but these: ☿ Maginus, 109° 0′ 0″ and 113° 0′ 0″; ☿ Nos, 24° 11′ 41″ and 155° 49′ 19″, which sum to 180° 1′. In the Mercury table of p. 666, row 9, the digression is printed 21° 1′, where the place and the mean Sun give 21° 0′. Preserved as printed.

124. batch_223 / p.668, Tab. III, row 5 (45° 4′) and right col. ("he gathers the anomaly of the eccentric as 4ˢ 29° 56′ 30″") — *Category B — source compositor error*

In Table III, row 5, the mean Sun at ♉ 25° 53′ and Venus at ♈ 10° 57′ give a digression of 44° 56′, where the table prints 45° 4′. In the text, the Sun's mean place 6ˢ 16° 6′ 30″ less the apogee of Venus at ♉ 16° 30′ gives 4ˢ 29° 36′ 30″, where the page prints 4ˢ 29° 56′ 30″ (the disputed figure is this fount's long-tailed 5, not a 3). Every figure is clear on the page. Preserved as printed.

125. batch_224 / p.672, Table XXXIV, rows 5, 7 and 12 (elongations) — *Category B — source compositor error*

So printed (confirmed on the page). In row 5 the elongation from the mean Sun computes to 49° 46′ from the row's places, where the table prints 46° 46′; in row 7 the observed place and both elongations compute to 46° 23′ and 46° 55′, where the table prints 46° 3′ and 46° 35′; in row 12 the elongation from the true Sun computes to 30° 37′, where the table prints 30° 41′. Preserved as printed.

126. batch_225 / p.673, Mercury table, rows 23 and 24 (31° 31′; 27° 47′) — *Category B — source compositor error*

So printed (confirmed on the page). In row 23 the Sun's true place is printed 31° 31′, more than 30° within a sign, with no sign in that column; the printed true digression 21° 47′ agrees with ♊ 1° 31′. In row 24 the mean digression is printed 27° 47′, where the row's places give 17° 47′. Preserved as printed.

127. batch_227 / p.681, sixth step: "DF is therefore 38361" — *Category B — source compositor error*

So printed, twice (confirmed on the page). 43358 less 4977 is 38381. Preserved as printed.

128. batch_228 / p.684, left col. (Venus at N, 12° 50′, twice) and step 4 / IX (MH 45° 40′, twice) — *Category B — source compositor error*

So printed, each twice (confirmed on the page). Venus at N, 47° 20′ before ♍ 10°, would stand at 22° 40′ of the preceding sign, where the page prints 12° 50′. The arc MH is printed 45° 40′, where 180° less 44° 20′ gives 135° 40′. Preserved as printed.

129. batch_232 / p.695, paragraph IV: Jupiter's 63° 37′ — *Category B — source compositor error*

So printed (confirmed on the page). The table on p. 694 gives 99° 6′ 50″ less 95° 30′, which is 3° 36′ 50″, where the paragraph prints 63° 37′; Saturn and Mars close there. Preserved as printed.

130. batch_234 / p.701 (printed p.623), paragraph III: "in the year 1549 we saw Venus through the tube" — *Category C — author/source anomaly*

So printed (confirmed on the page), with *nos vidimus*. The year precedes both the author's birth (1598) and the telescope; the page does not show what year is meant. The cross-referenced Book 7, Section 1, Chapter 2, Number 4 would test it. Preserved as printed.

131. batch_235 / p.705 (printed p.627), full-width table, columns *à Sole* and *à Terra* (Saturn's distances) — *Category C — author/source anomaly*

So printed (confirmed on the page). The head reads *Diſtantia ♄ in partibus Radij 100000*, but the cells (95596, 95628, 94338, 92409, 94239, 94317) would

then place Saturn within one radius; the fourth row is blank in both columns. No correction is offered. Preserved as printed.

132. batch_236 / p.708, left col.: "further advanced than that star by 1° 11′″" — *Category B — source compositor error*

So printed (*Gr. 1. 11″.*): a second-mark after the 11, and no minutes. The places printed just before, Mercury seen from the Earth at ♍ 22° 51′ 24″ and the star at ♍ 21° 40′, differ by 1° 11′ 24″. Preserved as printed.

133. batch_237 / p.710, table *Reditus à Nodo ad Nodum*, ☿ row, first group (`43^d^ 41^h^ 37^m^`) — *Category B — source compositor error*

So printed (read on the page): the hours place of the first group reads 41, where hours cannot exceed 24. Preserved as printed.

134. batch_242 / p.724 (printed p.646), table, Venus apogee and mean-longitude rows, last column (131° 42′, 134° 15′) — *Category B — source compositor error*

The type prints *131° 42′* and *134° 15′*; the book's errata correct them to 331° 42′ and 334° 15′, and in this copy a later hand has made both corrections in pen. The text gives the errata's readings.

135. batch_242 / p.725 (printed p.647), table, planet sign of the Jupiter rows (☿) — *Category B — source compositor error*

The type prints ☿ at the head of these rows; the book's errata correct it to ♃, and in this copy a later hand has struck the printed sign and written ♃. The rows are Jupiter's. The text gives the errata's reading.

136. batch_243 / p.728, table, Jupiter, at apogee, last column (2156) — *Category B — source compositor error*

So printed (confirmed on the page). The value breaks the column's run (1308 and 1361 below it), where every other planet's triple runs one way. Preserved as printed.

137. batch_243 / p.729 (printed p.651), Theorem 6, second part: "the angle of the speed of the centre D will be smaller than the angle VDI" — *Category B — source compositor error*

So printed (*minor angulo V D I*); the middle letter is clearly a D in this copy. The preceding step compares the ratio with VEI to VDI, and the next clause takes the smaller angle VET within VEI; the argument therefore requires "smaller than the angle VEI". Preserved as printed.

138. batch_244 / p.731: "by 16° 20′" — *Category B — source compositor error*

So printed (confirmed on the page). 54° 36′ less 38° 15′ is 16° 21′. Preserved as printed.

139. batch_248 / p.743, Equation table, Arc △, rows 9 and 57 (120° 15′, 156° 28′) — *Category B — source compositor error*

So printed (read on the page). In row 9 the arc is 120° 15′, which breaks the column's rise between 120° 20′ and 120° 31′; with 59° 35′ beside it the complement would be 120° 25′. In row 57 the arc is 156° 28′, where the complement of 23° 22′ would be 156° 38′. Preserved as printed.

140. batch_249 / p.747, display under *Diuiſores Numeri 360*, Gr. row, value under D. 4 (`99`) — *Category B — source compositor error*

So printed (read on the page: *Gr. 180. 120. 99. 72. 60. 45. 40 …*). 360 divided by 4 is 90. Preserved as printed.

141. batch_251 / p.751, table, column I, rows 30 and 35 (`3304`, `3204`) — *Category B — source compositor error*

So printed (read on the page). Row 30 prints 3304 between 3424 (row 29) and 3384 (row 31), and row 35 prints 3204 between 3324 (row 34) and 3284 (row 36); in each case the column's step would give a value 100 higher (3404, 3304). Preserved as printed.

142. batch_255 / p.764, Table I, Posidonius row, Saturn mean (`13000`) — *Category B — source compositor error*

So printed (confirmed on the page), five figures. In the same row Jupiter has 65000, and paragraph XI makes Saturn ten times and Jupiter five times the Sun's distance, so Saturn should stand at twice Jupiter's figure. Preserved as printed.

143. batch_255 / p.765 (printed p.687), Table II, row "Ptolemy or Alfonso, by Jean Fernel", ☿ least (65 36′) — *Category B — source compositor error*

The book's errata correct a printed 55 36 here to 65 36. In this copy the first figure is a hand-written 6, in an ink unlike the type, standing over the printed sort. A thin diagonal at the top survives of the type beside it, but the stem zone that would decide between this fount's 5 and 6 lies under the pen, so the type may carry the misprint 5 or an already corrected 6. Which it is cannot be settled; a second copy is the only route. The text gives 65 36′.

144. batch_259 / p.775, table of the time of descent: rows 23000, 47000000, 68000000 and 14000000000 semidiameters — *Category B — source compositor error*

Riccioli states the rule just above the table: as 31 terrestrial semidiameters to the given distance, so 4 (the square of 2 hours) to a number whose square root is the time in hours; that is, time = 2√(distance ÷ 31) hours. Most rows follow it (20000 semidiameters, 2^{d} 2⅘^{h}; 42000000, 97^{d} 0^{h}). By the same rule 23000 gives about 2^{d} 6½^{h}, where the table prints 2^{d} 3½^{h}; 47000000 about 102^{d} 14½^{h} (printed 102^{d} 18^{h}); 68000000 about 123^{d} 10^{h} (printed 122^{d} 23^{h}); and 14000000000 about 1770^{d} 22^{h} (printed 1766^{d} 16^{h}). The smaller departures at 1500 (14½^{h} for about 14^{h}) and 125000 (5^{d} 8^{h} for about 5^{d} 7^{h}) lie within the round figures Riccioli says he allows himself. All figures are clear on the page. Preserved as printed.

145. batch_259 / pp.776–777 (Longomontanus, Mercury `494 1/3`; al-Farghānī for Maurolico, Saturn `0 27/60`; Table 2, ☾ in ☌, Italian `956`) — *Category B — source compositor error*

So printed (confirmed on the page). On p. 776, Longomontanus's Mercury prints 1^{h} 494⅓ with 1^{m} 6¼; every other cell of the table has the minute about a

sixtieth of the hour, and 494⅓ / 60 is about 8¼ (the 1ˢ figure, 1/10, agrees with 6¼). For al-Farghānī after Maurolico, Saturn's 1ˢ prints 0 27/60, where 87½ / 60 is 1 27/60. On p. 777, Table 2, ☾ in ☌ prints 956 Italian miles against 264 German; every other row has the Italian four times the German, which would give 1056, and the one-minute Italian value 18 fits 1056. Preserved as printed.

146. batch_260 / p.778, table (Ptolemy, ☿ least 62′ 0″; Tycho, ♃ least 60″ 19‴) — *Category C — author/source anomaly*

So printed (confirmed on the page): Ptolemy's ☿ least is set as 62′ 0″ and Tycho's ♃ least as 60″ 19‴, where the sexagesimal form would carry into the next unit. Preserved as printed.

147. batch_261 / p.783: "So, when 229 is multiplied by 15, there result from the Sun to the Earth 3454 terrestrial semidiameters" — *Category B — source compositor error*

So printed. 229 multiplied by 15 is 3435, not 3454; the sum that follows (3454 + 15 = 3469) is computed from the printed figure. Preserved as printed.

148. batch_262 / p.785, section III: "Saturn 10747 hours, Jupiter 4330, root of the first 107, of the second 66" — *Category C — author/source anomaly*

So printed (confirmed on the page). The periods 10747 and 4330 are said to be in hours (*horarum*), which fits no planet's period, and the square root of 10747 is about 103.7, not 107 (that of 4330 is about 65.8, close to the printed 66). The page does not show whether the slip is the author's, his source's or the compositor's. Preserved as printed.

149. batch_263 / pp.787–788 (Table 5, Clavius row: `643`, `127`; Keplerian table: Mercury `377`, Venus `3766`, Saturn `15100`) — *Category C — author/source anomaly*

So printed (confirmed on the page). In Table 5 the Clavius row has Jupiter 643 where the Baranzano row has 343, and Venus 127 where the Baranzano row has 27; the sentence under the table itself says the figures are corrupted. In the Keplerian table of p. 788, Mercury 377, Venus 3766 and Saturn 15100 do not cube to the body figures beside them, while Earth, Moon, Sun, Mars and Jupiter do. No reading is offered. Preserved as printed.

150. batch_264 / p.791 (printed p.713), Table 1, lower block, ♄ alone column (`9 3/5`, `28 1/3`, `70 0`, `272 0`) and ♃ area (`64 0`) — *Category B — source compositor error*

So printed (every cell read on the page). The other columns derive these rows from the diameter as circumference = π × diameter, great-circle area = ¼π × diameter² and surface = π × diameter² (Jupiter 8 4/5 gives 27 63/100 and 242; Mars 0 52/100 gives 1 63/100, 0 21/100 and 0 85/100; Venus 1 15/100 gives 3 3/5, 1 4/100 and 4 15/100). For Saturn alone the printed diameter 9 3/5 gives a circumference of about 30 1/6, not 28 1/3; an area of about 72 2/5, not 70; and a surface of about 289 1/2, not 272; nor do the three printed figures agree with any one diameter. The body, 891 Earths, is close to the cube of 9 3/5 (about 885). In the Jupiter column the area 64 likewise departs from what 8 4/5 gives (about 60 4/5), though its circumference and surface agree. Preserved as printed.

151. batch_264 / p.791 (printed p.713), Table 1, lower block, ☿ column (`0 1/4`, `0 1/256`, `0 1/5`, `9881600`) — *Category B — source compositor error*

So printed (every cell read on the page). The body row is the cube of the diameter row: Mars 0 52/100 gives 0 14/100 and Venus 1 15/100 gives 1 1/2, and Saturn and Jupiter come within a few units. For Mercury the cube of 1/4 is 1/64; the printed 1/256 is 1/4 raised to the fourth power. The two rows below are computed from the printed 1/256, not from the diameter: the Moons row is the Earths row multiplied by 55 in every column (49005, 37675, 7 7/10, 82 1/2), and 55/256 gives the printed 1/5 (from 1/64 it would be about 6/7); the Sun row takes the Sun as about 38600 Earths in every column, and 38600 × 256 is exactly the printed 9881600 (from 1/64 it would be 2470400). The same 1/256 stands for Mercury in Table 2 (row "For us") and in the table of authors on p. 787. In the same column the great-circle area 1/25 is also short of what 1/4 gives (about 1/20), while the circumference 78/100 and surface 1/5 agree. Preserved as printed.

152. batch_264 / p.791 (printed p.713), Table 2, rows "The planet's body would have the Earth's body so many times" (Tycho ☿ `0 1/1562`; Kepler ♃ `71 4/5`, ☿ `0 1/16`) — *Category B — source compositor error*

So printed (every cell read on the page). Each body figure should be the cube of the diameter given above it for the same author, and most are, exactly or within rounding: for Tycho, Saturn 1 37/100 gives 2 4/7; for Wendelen, Mars 2 36/100 gives 13 14/100 and Mercury 96/100 gives 9/10. Eight are not. For Tycho, Jupiter 96/100 cubes to about 9/10, printed 3/10; Mars 18/100 to about 1/171, printed 1/130; Venus 36/100 to about 1/21, printed 1/40; and Mercury 4/100 to 1/15625, printed 1/1562, ten times too large (the printed figure is 15625 without its final 5; that is arithmetic, not a reading). For Kepler, Jupiter 4 1/4 cubes to about 76 3/4, printed 71 4/5; Mars 54/100 to about 1/6, printed 1/8; and Mercury 22/100 to about 1/94, printed 1/16. Our own Mercury, 1/256 against the diameter 1/4, repeats Table 1 (see the note there). No reading is offered. Preserved as printed.

153. batch_264 / p.791, Scholia:"as 8464 to 101, that is, greater as to area by 84⅗ times" — *Category B — source compositor error*

So printed (*vt 8464. ad 101. … vicibus 84 ⅗.*), every figure clear on the page. 8464 is the square of the 92″ given just before for Mars's greatest apparent diameter; the square of the least, 10″ 6‴ (10⅒″), is about 102, not 101; and 8464 ÷ 101 is about 83⅘, not 84⅗, which is what 8464 ÷ 100 gives. Preserved as printed.

154. batch_264 / p.792 (printed p.714), Scholium II: "the disc there is 860″ and here 48325" — *Category B — source compositor error*

So printed (*33″. 30‴.*, *4′. 8″.*, *860″.*, *48325.*, *vicibus 56.*, all clear on the page). The sentence squares the two diameters: 33″ 30‴ (33½″) squared is about 1122, and 4′ 8″ (248″) squared is 61504, a ratio of about 55. The printed 48325 is instead $248^2 \times 11/14$, the area of a circle of diameter 248″ by Archimedes' ratio of the

circle to the square on its diameter; the same rule gives about 882 for 33½″, not 860. The 56 that follows is 48325 ÷ 860 (about 56.2). Preserved as printed.

155. batch_264 / p.792 (printed p.714), Scholium IV, on Gassendi's Mercury: "by which Mercury at both perigees is 25″ 36‴" — *Category C — author/source anomaly*

So printed (*25″. 36‴.*, confirmed on the page). On p. 790 (printed p. 712) Mercury's apparent semidiameter at both perigees is 12″ 36‴, whose double is 25″ 12‴, and Table 1 (p. 791) prints the least-distance diameter as 0′ 25″ 12‴; the table's other two Mercury rows are likewise the doubles of the semidiameters given on p. 790 (4″ 40‴ and 9″ 20‴; 6″ 54‴ and 13″ 48‴). Preserved as printed.

156. batch_265 / pp.794–795, Tables 2–4 (body counts, "Corpus continet Terram vicibus") — *Category B — source compositor error*

The body counts in these tables are meant as the cubes of the diameters set beside them, but several are not exact cubes: for instance, in Table 3, 726,572,600 stands beside 899, whose cube is 726,572,699; 86,355,888 beside 442, whose cube is 86,350,888; and 48,947,466,312 beside 3658, whose cube is 48,947,566,312. All the figures were read on the page and are the print's own; since none breaks the run of its column and the intended figure is nowhere legible, they are given as printed.

157. batch_265 / p.795, Table 4, Galileo row, Sirius body count (`8,427,672,000`) — *Category B — source compositor error*

So printed, ten figures, with clean paper before them. The column rises with the diameter, and this figure falls below its neighbours (82,312,875,000 for diameter 4350 above, 148,877,000,000 for 5300 below), although its own diameter, 4380, lies between theirs. The cube of 4380 is 84,027,672,000, which differs from the print by one 0; that is arithmetic, not a reading. Preserved as printed.

158. batch_268 / p.802, right col., Tobit 12 quotation: "It is good for now to hide the secret and sacrament of the King" — *Category B — source compositor error*

The page prints *ſeretum* (seven sorts; the first a long s or f), not a Latin word. The pairing with *Sacramentum*, and *ſecretum* printed five lines above in the same column, require *secretum*; the translation renders that.

159. batch_269 / p.805 (printed p.727), Chapter X: "368 ⅓ feet" against "73 ⅗ paces" — *Category B — source compositor error*

So printed (both confirmed on the page). At the page's own 5 feet to the pace (15000 feet = 3000 paces), 73⅗ paces make 368 feet, not 368⅓. Preserved as printed.

160. batch_270 / p.809, left margin beside CAP. VII: "[Margin: Tycho's error, *facundus*, in the parallax of the Sun.]" — *Category C — author/source anomaly*

The margin prints *facũdus* ("eloquent"); the vowel is clearly an *a* in this copy. The word does not suit the sense; *fecundus*, "fertile" in consequences, would match the text's *hunc errorem redundasse*. The printed word is kept.

161. batch_271 / p.812, table head (pole 44° 30′) and prose (44° 29½′) — *Category C — author/source anomaly*

So printed (both confirmed on the page). The head of the table gives the pole at 44° 30′, and the prose just above gives 44° 29½′. Both are preserved as printed.

162. batch_271 / p.812, right col.: "That lunation was of 29^{d} 49^{m} [Dier.29.49′.], or 745 hours" — *Category C — author/source anomaly*

So printed (*Dier.29. 49′. seu Horarum 745.*), and 745 is printed again and used in the working that follows. Twenty-nine days and 49 minutes make 696^{h} 49^{m}; 745 is 29 × 24 + 49, as if the 49 were hours. A mean synodic month is about 708¾ hours. The page does not mark the 49 as hours or minutes beyond its single prime. Preserved as printed.

163. batch_272 / p.815, Cap. XXIV: eccentricity `40 55/60` — *Category B — source compositor error*

So printed (confirmed on the page). Half the difference of the printed 1182 56/60 and 1101 4/60 is 40 56/60. Preserved as printed.

164. batch_273 / p.818 (printed p.740): "Gemini ♊ 26° 21′ 20″" — *Category B — source compositor error*

So printed (*gr. 26. 21′. 20″.*, confirmed on the page). The two quantities the sentence adds, 26° 14′ 6″ and 7′ 13″, sum to 26° 21′ 19″. The comparison that follows is with Tycho's observed 26° 21′ 30″. Preserved as printed.

165. batch_273 / p.818 (printed p.740), left col., last line: "at 19^{h} 25^{m} after noon." — *Category B — source compositor error*

So printed; the heading of this example (p. 817, printed p. 739: *H.17. 25′. post merid.*) prints 17^{h} 25^{m} for the same observation, and the close here prints *hora 19.25′. post merid.* Both figures are clear in this copy. Which is meant cannot be settled from the page. Both are preserved as printed.

166. batch_273 / p.819 (printed p.741), right col., Pétau entry: "in the year 580 before Christ, or 4234 of the Julian Period" — *Category B — source compositor error*

So printed, in the text and again in the margin (*Anno ante Christum 580. seu periodi Iulianæ 4234.*; margin *580*). The Julian Period year 4234 corresponds to 480 BC, and 580 BC would be year 4134 (the same page pairs 4117 with 597 and 4132 with 582); 480 BC is the year of Xerxes the paragraph discusses. Which of the two printed figures is in error the page does not show. Preserved as printed.

167. batch_274 / p.820, right col., Fournier on the eclipse of 1621 May 21 — *Category C — author/source anomaly*

As printed, the figures reported from Fournier do not close: the beginning, 19^{h} 5^{m} 20^{s}, with the incidence of 1^{h} 12^{m} 52^{s} gives a middle of 20^{h} 18^{m} 12^{s}, where the page prints 20^{h} 18^{m} 20^{s}; twice the incidence is 2^{h} 25^{m} 44^{s}, where the duration is printed 2^{h} 25^{m} 14^{s}; and the beginning with that duration gives an end at 21^{h} 30^{m} 34^{s}, which the printed end (*poſt horam 2. 3′. 12″.*) does not express. All figures are clear on the page. Preserved as printed.

168. batch_274 / p.822, Garratus table, row "10½ digits", time column (15^h^ 5½^m^) — *Category B — source compositor error*

So printed (confirmed on the page). The time stands between 15^{h} 59^{m} in the row above and the end at 16^{h} $9½^{m}$, breaking the order of the phases. Preserved as printed.

169. batch_275 / pp.824–825, star tables, *Summa* cells (451, 555) — *Category B — source compositor error*

So printed (every cell read on the page). On p. 824 the cells of the lower block total 441, where the page prints *Summa 451*; on p. 825 the cells total 585, where the page prints *Summa 555*. The printed subtotals 686 + 451 + 555 give the printed grand total 1692; the cells as printed would give 1712. Preserved as printed.