

Astronomiae Instauratae Progymnasmata — Editorial footnotes (draft)

Tycho Brahe (1546–1601). 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.

#	Anchor	Cat.	Item
1	batch_012 / pp.34-35	C	Frauenburg pole-height minutes given as 22¼' then 22¾'
2	batch_019 / p.62	B	Daily-motion Dist. column prints 295 twice (G.64 duplicates G.65)
3	batch_019 / p.64	B	Ephemeris Jan-31 position column prints 2 for 20
4	batch_020 / p.79	B	Ephemeris Aug-12 degree 23 breaks the monotone run (≈ 28)
5	batch_023 / p.81	B	Ecliptic-declination γ/α degree prints 0 for 1
6	batch_026 / p.89	B	Right-ascension $\times$ degree jumps to 243 at grade 5 (omits 242)
7	batch_039 / p.139	B	Table of the Moon's Latitude duplicates minutes 33 at arg 2
8	batch_043 / p.129	B	Synodic-revolution December

#	Anchor	Cat.	Item
			latitude seconds 74 exceeds 59
9	batch_059 / p.193	B	Recapitulation table row XV year prints 1578
1	batch_060 / p.199	C	Shared triangle side printed
0			67°21½' vs 67°28½'
1	batch_068 / pp.230, 232	C	Northern Pan of Libra latitude marked B. (north) then S. (south)
1			
1	batch_075 / p.257	B	Precession canon prints corrupt
2			expanded years 1788, 1562, '15 3'
1	batch_083 / p.376	B	Page printed 276 within the 373-
3			375 run
1	batch_088 / p.294	C	Same star's side CA given as 43.3.0
4			then 44.15.0
1	batch_092 / pp.367-368	B	Two consecutive pages both
5			numbered 311
1	batch_106 / p.367	B	Page printed 376 between 366 and
6			368
1	batch_107 / pp.369-370	C	Alphonsine declination-minutes
7			printed as bare superscript (26 ¹ , 45 ¹)
1	batch_108 / p.374	B	Angle CDE minutes 61 exceeds 60
8			
1	batch_113 / p.393	B	Running header prints 389 within
9			the 393-396 run
2	batch_142 / p.514	B	Angle ZHG minutes 155 exceeds 60
0			
2	batch_160 / p.586	C	Nova's latitude (arc CE) given as
1			53°50' then 53°59'
2	batch_179 / p.716	B	Verso running header misprints
2			author as TYCHONIDES
2	batch_190 / p.759	C	Leovitius's quoted northern
3			latitude Gr. 50, astronomically impossible for the nova
2	batch_190 / pp.759-760	C	Date of Leovitius's examination

#	Anchor	Cat.	Item
4			quoted as 25 Nov then 25 Dec
2	batch_198 / pp.736-739	B	Printed folio numbers run out of order 739, 736, 737, 738
5			
2	batch_219 / p.873	B	Appendix folio prints 819 against the 319-322 series
6			
2	batch_222 / f.451	B	Errata list cites folio 451 twice
7			

1. batch_012 / pp.34-35 — Category C — author/source anomaly

The source gives the pole-height (latitude) of Frauenburg as $54^{\circ} 22\frac{1}{4}'$ on p.34 but restates it as $54^{\circ} 22\frac{3}{4}'$ at the top of p.35; the two minute-fractions disagree by $\frac{1}{2}'$ across the page break. Preserved as printed.

2. batch_019 / p.62 — Category B — source compositor error

In the Table of Daily Motion the rightmost Dist. column prints 295 at G.64, duplicating the value at G.65 and breaking the smooth 297→296→295 descent; contextually G.64 should read 296. A compositor slip, preserved as printed.

3. batch_019 / p.64 — Category B — source compositor error

In the 1572 Ephemeris, January Dies 31, the position (P.) column prints 2 where the running daily count gives 20; the leading digit appears dropped. Preserved as printed.

4. batch_020 / p.79 — Category B — source compositor error

In the 1572 July-December ephemeris the August Dies 12 degree prints 23 where days 11 and 13 read 27 and 29; contextually it should be ≈ 28 . Confirmed at native resolution as printed (a genuine source error, not a misread). Preserved as printed.

5. batch_023 / p.81 — Category B — source compositor error

In the Table of Ecliptic Declination, the $\square/\square$ degree at G.2 M.40' prints 0 where the progression ($0^{\circ}59'51'' \rightarrow 1^{\circ}07'49''$) requires 1. A compositor slip, preserved as printed.

6. batch_026 / p.89 — Category B — source compositor error

In the Table of Right Ascensions, ¶ block grade 5, the degree prints 243 where grade 4 is 241 and the minutes/seconds run continuously; the intervening value 242 appears dropped or misprinted. Preserved as printed.

7. batch_039 / p.139 — *Category B — source compositor error*

In the Table of the Latitude of the Moon, Block 2, the latitude-minutes at argument 2 print 33, repeating the value at argument 1 where a smooth rise toward 42 is expected. A compositor error, preserved as printed.

8. batch_043 / p.129 — *Category B — source compositor error*

In the Table of the Synodic Revolution, the December row's Moon-latitude seconds print 74, which is impossible for a sexagesimal seconds value (≤ 59). Preserved as printed.

9. batch_059 / p.193 — *Category B — source compositor error*

In the recapitulation table of the fifteen determinations, row XV's first-block year prints 1578 while the surrounding entries and the row's own second-block date (1588) indicate 1587. Preserved as printed.

10. batch_060 / p.199 — *Category C — author/source anomaly*

In the six-star ascensional-difference triangles, the shared side reads $67^{\circ}21\frac{1}{2}'$ in triangle V (F A E) but $67^{\circ}28\frac{1}{2}'$ in triangle VI (E A D) — an internal inconsistency of 7' for the same side. Preserved as printed.

11. batch_068 / pp.230, 232 — *Category C — author/source anomaly*

The ecliptic-frame table (p.230) marks the latitude of the Northern Pan of Libra as $8^{\circ}35'$ B. (north) while the master summary table (p.232) prints $8^{\circ}35'$ S. (south) for the same star; the two latitude-direction marks contradict each other. Preserved as printed.

12. batch_075 / p.257 — *Category B — source compositor error*

In the precession-subtraction canon the Anni Expansi years print 1788 (where the sequence requires 1588), 1562 (between 1591 and 1593, requiring 1592), and the gap-spaced '15 3' (requiring 1563). Compositor errors, preserved as printed.

13. batch_083 / p.376 — *Category B — source compositor error*

The page is numbered 276, but it falls in the running sequence 373/374/375; contextually it should read 376 (a transposed or dropped leading digit). A pagination misprint, preserved as printed.

14. batch_088 / p.294 — *Category C — author/source anomaly*

In box XXV (Sequens in Virga), side CA reads 43.3.0 in the II. triangle but 44.15.0 in the III. triangle of the same star — the latter apparently carried over from the adjacent box XXIII. The two values for the same side are internally inconsistent. Preserved as printed.

15. batch_092 / pp.367-368 — *Category B — source compositor error*

The source prints the page number 311 on both the recto and the following verso — a pagination duplication (compositor lag). Preserved as printed.

16. batch_106 / p.367 — *Category B — source compositor error*

The page is numbered 376 in the continuous run 365, 366, 376, 368; between 366 and 368 it should read 367 (an X mis-set for a 6/7). A pagination misprint, preserved as printed.

17. batch_107 / pp.369-370 — *Category C — author/source anomaly*

In the Alphonsine declination-minutes column the cells for star 7 (Extr. pedis, p.369) and Cingulum (p.370) print a bare superscript figure — 26¹ and 45¹ respectively — where every other cell in the column carries a vulgar fraction. The glyphs are verified at native resolution but anomalous (likely damaged or incomplete fraction type). Confirmed source anomaly, preserved as printed.

18. batch_108 / p.374 — *Category B — source compositor error*

In Section II the source prints angle CDE as 22° 61' 40"; 61 minutes is impossible (≤ 60), likely a compositor error for 21'. Preserved as printed.

19. batch_113 / p.393 — *Category B — source compositor error*

The running-header page number prints 389 where the continuous text run (followed by 394, 395, 396, with consistent Ddd/Ddd2 signatures) requires 393 — a 3 mis-set as 9, or a stale forme. Preserved as printed.

20. batch_142 / p.514 — *Category B — source compositor error*

The source prints the adjacent angle ZHG as P. 155 scrup. 22 (155' 22"); 155 minutes far exceeds the sexagesimal maximum of 60 (the parallel angle GHF reads 24' 38"). An impossible value, preserved as printed.

21. batch_160 / p.586 — *Category C — author/source anomaly*

Within the same chapter the source gives the nova's latitude / arc CE as 53°50' in the derivation paragraph but 53°59' in the closing summary; one of the two figures is a compositor error. Both preserved as printed.

22. batch_179 / p.716 — *Category B — source compositor error*

The verso running header prints TYCHONIDES BRAHE LIB. I. where every other verso reads TYCHONIS BRAHE LIB. I.; an inserted syllable, a compositor error. Preserved as printed.

23. batch_190 / p.759 — *Category C — author/source anomaly*

The source quotes Leovitius's northern latitude for the Cassiopeia nova as Gr. 50, which is astronomically wrong (the nova's true ecliptic latitude is ~+59°/+62°); it is the cited author's own error, which Brahe goes on to refute. Preserved as printed.

24. batch_190 / pp.759-760 — *Category C — author/source anomaly*

The source reports Leovitius beginning his examination 'die 25. Nouembris' (p.759) but, in Brahe's rebuttal, '25. Decemb.' (p.760); the two quotations of the same date disagree. Both preserved as printed.

25. batch_198 / pp.736-739 — *Category B — source compositor error*

Across four leaves the printed folio numbers run 739, 736, 737, 738 rather than 736-739 — the leaf numbered 739 is set before 736-738. A compositor/binding pagination anomaly; the catchword chain confirms the textual reading order is in fact continuous. Preserved as printed.

26. batch_219 / p.873 — *Category B — source compositor error*

The first leaf of Kepler's editorial Appendix prints the running folio 819 while the surrounding back-matter sequence runs 319/320/321/322; the 819 is a competing/erroneous page-number series. Preserved as printed.

27. batch_222 / f.451 — *Category B — source compositor error*

The printed Errata (corrigenda) list cites folio 451 on two consecutive lines (the 'stella 20 $\frac{2}{3}$ ' and 'sensibili' corrections); the duplication is confirmed printed in the source corrigenda. Preserved as printed.