Tychonis Brahe Dani Thesaurus Observationum, Tomus IV — Editorial footnotes (draft)

Tycho Brahe (1546–1601), observations; J. L. E. Dreyer (1852–1926), editor, with J. Raeder. 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_013 / p.26	C	Canicula is Procyon, not Sirius, where the figures decide
2	batch_058 / p.115	C	Longitude 2 18 ♊ out of sequence
3	batch_023 / p.45	B	Fraction printed 3/3
4	batch_052 / p.104	B	”in in” doubled; ”cccid.” for ”occid.”
5	batch_063 / p.126	C	Time 7 36 set before 7 34
6	batch_086 / p.172	B	”0^{s} 38°” exceeds a sign; 10 December time 12⅙ vs 12⅗
7	batch_087 / p.173	C	Weekday sign for 20 December inconsistent
8	batch_096 / p.191	B	Jupiter–Aldebaran distances printed 27 37 for 37 37
9	batch_099 / p.198	C	October table differs from the p. 197 reductions
10	batch_125 / p.249	B	Distance printed 54 54⅔ for 45 54⅔
11	batch_136 / p.272	B	Equator altitude 39 34 0 for 39 54 0
12	batch_146 / p.291	C	Repetition 32 2 against first reading 37 2
13	batch_149 / p.298	C	Spica declination 9 1 15 vs 9 1 20
14	batch_154 / p.308	B	”lupra” for ”supra”
15	batch_155 / p.310	B	”tamem” for ”tamen”
16	batch_156 / p.311	C	Time 9 11 after 9 33; ”exquiſtta”
17	batch_187 / p.374	C	Right ascension 29 24¼ vs 25 24½
18	batch_189 / p.378	C	Side DB 79 32⅔ vs 79 32⅓

#	Anchor	Cat.	Item
19	batch_190 / p.380	C	Time H. 14 51 vs 14 55
20	batch_191 / p.381	C	Right ascension 38 28 vs 39 28 0
21	batch_192 / p.383	C	”Latus BA” vs ”Latus CA” 74 24
22	batch_193 / p.385	C	Declinations apparently exchanged; 4°30′ vs 4 28
23	batch_199 / p.397	C	Comet altitude 49 19 out of run
24	batch_200 / p.400	C	Amended times earlier than clock times
25	batch_202 / p.403	C	Altitude 38 39 out of run

1. batch_013 / p.26 — *Category C — author/source anomaly*

The text calls this star Canicula, and the translation keeps the name as printed. Where the observations give enough to decide, Canicula here is Procyon (α Canis Minoris), not Sirius. Its meridian altitude is given as 42° 39′ (pp. 149, 156, 157, 165), which is the value the same observations give for ”Alt. Procyonis Mer.” (p. 139); at the observing site Sirius would culminate near 20°. Elsewhere the text names Procyon and Canicula side by side (p. 161), and some readings (e.g. the distance of 26° 0′ from ”Lucida Orionis”, p. 255) do not decide between the two stars. The name is therefore left as printed throughout.

2. batch_058 / p.115 — *Category C — author/source anomaly*

In the 10 February table of ”Loca harum stellarum”, row 3, the longitude is printed 2 18 ♊, standing between rows reading 17 45 ♊ and 18 3 ♊. Preserved as printed; the run of the column suggests 18 18 ♊ or similar, but the page does not settle the value.

3. batch_023 / p.45 — *Category B — source compositor error*

The value is printed 11 46 3/3, with a fraction whose numerator and denominator are both 3, i.e. equal to a whole; a native crop confirms both figures. The intended fraction cannot be recovered from the page. Preserved as printed.

4. batch_052 / p.104 — *Category B — source compositor error*

The edition prints ”Obseruabatur ♄ in in hunc modum”, with ”in” doubled, and heads the last column of the final table ”Inf. Cap. ♊ cccid.” where ”occid.” (west) is meant; a native crop confirms c, not o. Both are preserved as printed in the Latin and rendered in the sense required.

5. batch_063 / p.126 — *Category C — author/source anomaly*

On 5 December the time column prints 7 36 before 7 34, out of order. Preserved as printed; whether the rows or the figures are transposed cannot be decided from the page.

6. batch_086 / p.172 — *Category B — source compositor error*

The ”Simplex long. ☊” line prints 0^{s} 38° 4′ 24″, a degree count above 30 within one sign. On p. 171 the 10 December time is printed H. 12⅙ in the first computation block and H. 12⅗ in the reduction block. All preserved as printed.

7. batch_087 / p.173 — *Category C — author/source anomaly*

The 20th of December is marked "die ♂" (Tuesday) on pp. 173 and 174, while the 28th is marked "die ♃" (Thursday). Eight days apart, the two cannot both hold. The other weekday signs on the page agree with one another and with the 28th. Preserved as printed.

8. batch_096 / p.191 — *Category B — source compositor error*

On 24 January the three distances of ♃ from Aldebaran are printed 27 37, 27 37½ and 27 37. The same pair of bodies gives 37° 52′–37° 45½′ on 23 January and 37° 26′–37° 22′ on 28 January, so 37° is evidently intended. Preserved as printed; the 2 is clear on the page.

9. batch_099 / p.198 — *Category C — author/source anomaly*

For 20 October the table prints longitude 1 0 57 and latitude 1 18 0, and for 21 October latitude 1 19 34, where the reductions on p. 197 give 1 0 56, 1 18 1 and 1 15 37. The other rows agree. Preserved as printed.

10. batch_125 / p.249 — *Category B — source compositor error*

On 19 February, row 2 ("Eadem repetita") prints the distance of the heart of ♏ from Spica as 54 54⅔, where the rows above and below, measuring the same distance, read 45 54⅔. Preserved as printed; the figures appear transposed.

11. batch_136 / p.272 — *Category B — source compositor error*

On 20 April an unlabelled line prints 39 34 0. Subtracted from 51 32 34 it does not give the printed declination 11 38 34, which requires 39 54 0; the equator altitude on the other days is 39 53 50–39 55 30. Preserved as printed.

12. batch_146 / p.291 — *Category C — author/source anomaly*

On 4 March the distance between the heart of ☌ and the lower head of ♊ is printed 37 2, followed by "Repetita bis 32 2", a repetition 5° from the first reading. Both preserved as printed; the page does not show which is in error.

13. batch_149 / p.298 — *Category C — author/source anomaly*

On 12 May the declination of Spica is printed 9 1 15, where the N.B. above it gives 9 1 20. Both preserved as printed.

14. batch_154 / p.308 — *Category B — source compositor error*

The edition prints "fere vt lupra", with l where ſ is required ("ſupra", above); a native crop confirms the l. Preserved as printed in the Latin; the English follows the sense.

15. batch_155 / p.310 — *Category B — source compositor error*

The edition prints "quæ tamem dubia eſt" for "tamen". Preserved as printed in the Latin; the English follows the sense.

16. batch_156 / p.311 — *Category C — author/source anomaly*

In the first block on p. 311 the times run 8 17, 8 58, 9 10, 9 33, then 9 11. The prose below puts the last observation 2½ hours after H. 6 M. 40, which agrees with 9 11, so the row rather than the figure is out of order. On p. 312 "exquiſtta" is printed for "exquiſita". Both preserved as printed.

17. batch_187 / p.374 — *Category C — author/source anomaly*

The right ascension is printed 29 24¼, against 25 24½ in the page's own parenthesis and in the p. 373 block for 22 October, H. 10 M. 6. On p. 373 the

9 November block prints "DAE" where the others print "DA". Preserved as printed.

18. batch_189 / p.378 — *Category C — author/source anomaly*

Consecutive triangles print the side DB as 79 32⅔ and 79 32⅓. Preserved as printed; the page does not show which is intended.

19. batch_190 / p.380 — *Category C — author/source anomaly*

The time is printed H. 14 51 in one place, beside H. 14 55 elsewhere; and a value printed 40 9 6 appears as 40 9 5 in another place. Preserved as printed.

20. batch_191 / p.381 — *Category C — author/source anomaly*

At time I (H. 7 M. 50) the right ascension of the comet is printed 38 28, against "Aſcenſio recta Com. 39 28 0" at H. 7⅚. Preserved as printed.

21. batch_192 / p.383 — *Category C — author/source anomaly*

On 22 October the H. 13 15 block prints "Latus BA 74 24", where the parallel H. 16 10 block prints "Latus CA 74 24". Preserved as printed.

22. batch_193 / p.385 — *Category C — author/source anomaly*

The left-column table on p. 385 pairs the declination 4 28 DB with 6 November and 22 58 CE with 18 October; the pairing looks exchanged. On p. 386 the 18 October declination is printed 4°30′ in the full-width table and 4 28 in the left-column table. Preserved as printed.

23. batch_199 / p.397 — *Category C — author/source anomaly*

In the 2 March table the comet's altitude at 7 30¾ is printed 49 19, breaking a descending run (48 42½ above, 47 38½ below). Preserved as printed.

24. batch_200 / p.400 — *Category C — author/source anomaly*

In the main table the amended time 11 35⅔ (clock 11 $36\frac{1}{12}$), and similarly 11 22⅓ and 11 30, stand earlier than the clock time, while on every other row the amended time is equal to or later than it. These rows follow the N.B. that the clock ran fast. Preserved as printed.

25. batch_202 / p.403 — *Category C — author/source anomaly*

On the evening of 4 March the altitudes run 50 5, 43 14, 36 27, 38 39, 20 16; 38 39 breaks the decreasing run. Preserved as printed.