

Astronomical Algorithms

Corrections to the First Edition, 1991

Page	
2	In the last sentence, for advices, read advice.
26	In example 3.c, read $y_3 = +2303.2$.
31	Line 5 from bottom, read n_m instead of y_m .
60	Line 2 from bottom, D is the day of the <i>month</i> .
72	The value for 1992 is 58.3 ; that for 1994 is 60.0.
89	Formula for $\tan H$. In the denominator, replace the <i>first</i> $\cos \phi$ by $\sin \phi$.
110	Lines 14 and 13 from the bottom: ... where it is referred...
114	In the Example, the five values of $\Delta\delta$ are expressed in <i>degrees</i> and decimals. It is better to express them in seconds of time.
135	In formula (21.3), read $23^{\circ}26'21''.448$.
139	In the formula for π , read $+1^{\circ}.71953 T$.
140	Line 3 from the bottom, read $\pi = 103^{\circ}.434$.
154	Reference [1] is not given. This reference is P. Bretagnon and J.-L. Simon, <i>Planetary Programs and Tables from -4000 to +2800</i> , Willmann-Bell, Richmond (1986).
177	Fourth line from the bottom, read Julian Ephemeris Day .
179	In Formula (28.1), read Julian Ephemeris Day .
183	To the right of the drawing, read $0^{\circ} < M < \mathbf{E} < v < 180^{\circ}$.
229	Line 3 from the bottom, $Qt/3$ should be $3Qt$.
239	Line 2 from the bottom, Herschell should be Herschel.
286	Last line: replace <i>II also</i> by <i>III too</i> .
312	In Example 45.a, read: $\Sigma r = -16\,590\,875$ $\Delta = 385000.56 - 16590.875 = 368409.7$ km $\pi = \arcsine(6378.14/368409.7) = 0^{\circ}.991990 = 0^{\circ}59'31''.2$
317	Line 4 from the bottom, (46.5) should be (46.1).
342	Line 10, read $1^{\circ}32'32''.7$.
351	Line 6 from the bottom, read umbral cone.

- 356 In the Example, read twice JDE = 2450 708...
- 359 For Saturn, equatorial, read 83.33 instead of 83.83.
- 393 Line 3: 3.559 should be 5.559.
- 427 Magnitude: add of planets, 269, 270.

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