A sample page from: The American Ephemeris Series,

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Ephemerides in this format include:

The American Ephemeris for the 20th Century at Noon, The American Ephemeris for the 20th Century at Midnight, The American Ephemeris for the 21st Century at Midnight, *and*, The American Ephemeris for the 21st Century at Noon.

This page shown FULL SIZE. Two months per page, positions given to the nearest tenth of a minute of a degree (sun & moon to the nearest second of a minute of a degree), moon given twice daily, true node. Chiron given monthly. Declinations only when crossing the solar/earth equators, aspectarian does not include lunar aspects. Shows last lunar aspect & lunar ingress (eg, void of course), lunar phases. Shaded areas show retrogrades. This page shows one eclipse (look really hard).

NO	VEME	ER 2 (000			LONGITUDE							
Day	Sid.Time	0	0 hr 🕽	Noon)	True	¥	Ç	♂ .	4	ゃ	Ж	Ψ	В
1 W 2 Th 3 F 4 Sa	2 42 20 2 46 17 2 50 14 2 54 10	8 ^M ,52 13 9 52 17 10 52 22 11 52 29	21359 32 14 54 29 26 43 12 8830 53	87958 6 20 49 18 2836 50 14 26 4	17 53.1	4m34.3 3R 26.0 2 25.1 1 33.3	15×25.9 16 38.5 17 50.9 19 3.3		9II31.3 9R 25.1 9 18.9 9 12.5	28\(\tilde{5}7.2\) 28\(\tilde{5}7.2\) 28\(\tilde{4}8.2\) 28\(\tilde{4}3.7\)	16%54.4 16 54.7 16 55.1 16 55.5	3%52.0 3 52.5 3 53.1 3 53.8	11 33.5
5 Su 6 M 7 Tu 8 W 9 Th 10 F 11 Sa	2 58 7 3 2 3 3 6 0 3 9 56 3 13 53 3 17 49 3 21 46	16 53 26 17 53 42	20 23 4 2+25 11 14 42 16 27 18 32 10 16 51 23 38 22 7 22 6		17 32.1 17 22.1	0 52.0 0 21.9 0 3.4 29≏56.5 0™, 0.9 0D 16.0 0 41.0		0≏33.9 1 10.9 1 47.8 2 24.7 3 1.6 3 38.5 4 15.3		28 39.1 28 34.5 28 29.8 28 25.1 28 20.4 28 15.6 28 10.9	16 56.0 16 56.5 16 57.0 16 57.6 16 58.3 16 59.0 16 59.8	3 54.4 3 55.1 3 55.9 3 56.7 3 57.5 3 58.3 3 59.2	11 41.9 11 44.0 11 46.1 11 48.3
12 Su 13 M 14 Tu 15 W 16 Th 17 F 18 Sa	3 25 43 3 29 39 3 33 36 3 37 32 3 41 29 3 45 25 3 49 22	21 55 3 22 55 27 23 55 54 24 56 22	20 8 15 4©36 52		16 45.9	1 15.2 1 57.5 2 47.2 3 43.4 4 45.2 5 51.9 7 2.8	28 41.2 29 53.3 117 5.3 2 17.2 3 29.1 4 40.9 5 52.7	4 52.1 5 28.9 6 5.7 6 42.5 7 19.2 7 56.0 8 32.7	8 16.7 8 9.2 8 1.7 7 54.1 7 46.4 7 38.6 7 30.7	28 6.1 28 1.2 27 56.4 27 51.5 27 46.7 27 41.8 27 36.9	17 0.6 17 1.4 17 2.3 17 3.3 17 4.3 17 5.4 17 6.5	4 0.1 4 1.0 4 1.9 4 2.9 4 4.0 4 5.0 4 6.1	11 57.1 11 59.3 12 1.5
19 Su 20 M 21 Tu 22 W 23 Th 24 F 25 Sa	3 57 15 4 1 12	26 57 25 27 57 58 28 58 34 29 59 11 0 \$\times\$ 59 50 2 0 31 3 1 13	1™35 45 15 26 30 29 6 23 12≏35 2 25 51 56 8™56 22 21 47 38	5≏52 8 19 15 0 2™,25 45	16 47.8 16 46.3 16 42.6 16 36.9 16 29.5 16 21.3 16 13.1	8 17.4 9 35.1 10 55.4 12 18.0 13 42.4 15 8.4 16 35.8	7 4.4 8 16.1 9 27.7 10 39.3 11 50.8 13 2.2 14 13.6	11 35.8 12 12.4	7 22.8 7 14.9 7 6.8 6 58.8 6 50.7 6 42.5 6 34.4	27 32.0 27 27.1 27 22.2 27 17.3 27 12.4 27 7.6 27 2.7	17 7.7 17 8.9 17 10.1 17 11.4 17 12.8 17 14.2 17 15.6		12 12.8 12 15.1 12 17.3 12 19.6
26 Su 27 M 28 Tu 29 W 30 Th	4 20 54 4 24 51 4 28 47 4 32 44 4 36 41	4 1 56 5 2 41 6 3 27 7 4 15 8 5 3	4x ² 25 17 16 49 28 29 1 0 11 13 1 38 22 53 59		16 5.9 16 0.3 15 56.6 15D 55.0 15 55.1	18 4.2 19 33.5 21 3.6 22 34.3 24 5.5	15 24.9 16 36.1 17 47.3 18 58.4 20 9.4	13 25.4 14 1.8 14 38.3 15 14.7 15 51.1	6 26.2 6 18.0 6 9.8 6 1.6 5 53.4	26 57.9 26 53.0 26 48.2 26 43.4 26 38.7	17 17.1 17 18.7 17 20.3 17 21.9 17 23.6	4 15.9 4 17.2 4 18.6 4 20.0 4 21.5	12 28.9 12 31.2
DECEMBER 2000 LONGITUDE													
Day	Sid.Time	0	0 hr)	Noon)	True	¥	Ç	ď	4	þ	Ж	Ψ	В
1 F 2 Sa	4 40 37 4 44 34	9.₹ 5.53 10 6.43	4%41 30 16 28 22	10%34 43 22 23 1	15©56.5 15 58.3		21 ກີ 20.3 22 31.2	16≏27.4 17 3.7	5II45.3 5R 37.1	26 0 34.0 26 R 29.3	17‰25.3 17 27.1	4%22.9 4 24.4	12×35.8 12 38.1
3 Su 4 M 5 Tu 6 W 7 Th 8 F 9 Sa	4 56 23 5 0 20 5 4 17	11 7 34 12 8 26 13 9 19 14 10 13 15 11 7 16 12 3 17 12 59		28 48 2 11 ~ 32 46 24 42 11	15 59.9 16R 0.7 16 0.2 15 58.3 15 55.0 15 50.7 15 46.1	1 46.4	23 41.9 24 52.6 26 3.2 27 13.6 28 24.0 29 34.3 0844.4	18 52.4 19 28.6 20 4.8	5 4.9 4 56.9	26 24.6 26 20.0 26 15.4 26 10.9 26 6.4 26 1.9 25 57.5	17 28.9 17 30.8 17 32.7 17 34.6 17 36.6 17 38.7 17 40.8	4 27.5 4 29.1 4 30.7 4 32.3 4 33.9	12 45.1 12 47.4 12 49.8
10 Su 11 M 12 Tu 13 W 14 Th 15 F 16 Sa	5 20 3 5 23 59 5 27 56 5 31 52 5 35 49	20 15 51 21 16 51		21 27 10 6©19 52	15 41.8 15 38.3 15 36.2 15D 35.4 15 35.8 15 37.0 15 38.4	17 18.3	1 54.4 3 4.3 4 14.1 5 23.8 6 33.3 7 42.7 8 52.0	23 5.0 23 40.9	4 18.2 4 10.7 4 3.3 3 56.0 3 48.7	25 53.2 25 48.9 25 44.7 25 40.5 25 36.4 25 32.4 25 28.4	17 42.9 17 45.0 17 47.2 17 49.5 17 51.8 17 54.1 17 56.5	4 39.0 4 40.7	13 1.3 13 3.7 13 6.0 13 8.3
17 Su 18 M 19 Tu 20 W 21 Th 22 F 23 Sa	5 47 39 5 51 35 5 55 32	25 20 57 26 22 1 27 23 6 28 24 12 29 25 18 0 17 26 26 1 27 34	5m,48 45	19 6 3 2≏49 29 16 14 6 29 21 14 12™12 32 24 49 46 7 ₹ 14 35	15 36.3 15 34.0	25 8.1 26 42.5		28 27.2	3 41.6 3 34.6 3 27.8 3 21.0 3 14.4 3 7.9 3 1.6	25 16.9 25 13.2 25 9.6 25 6.0	17 58.9 18 1.3 18 3.8 18 6.3 18 8.8 18 11.4 18 14.0	4 49.7 4 51.6 4 53.5 4 55.4 4 57.3 4 59.3 5 1.2	13 15.1 13 17.4 13 19.7 13 21.9 13 24.2
24 Su 25 M 26 Tu 27 W 28 Th 29 F 30 Sa	6 11 18 6 15 15 6 19 11 6 23 8 6 27 4 6 31 1 6 34 57	6 33 20 7 34 30	25 32 1 7132 44 19 26 44 18316 3	11333 20 13 30 27 25 21 50 78 9 41 18 56 39	15 29.7 15 28.4 15D 27.6 15 27.5 15 27.9 15 28.7 15 29.5	1 1 2 6 . 9 3 2 . 2 4 3 7 . 6 6 1 3 . 4 7 4 9 . 4 9 2 5 . 7 1 2 . 2	19 8.6 20 16.2 21 23.7 22 31.0 23 38.1	0M,13.9 0 49.3 1 24.8 2 0.1 2 35.5 3 10.8 3 46.0	2 55.4 2 49.3 2 43.4 2 37.7 2 32.1 2 26.7 2 21.4	24 55.9 24 52.7 24 49.6 24 46.6	18 16.7 18 19.3 18 22.1 18 24.8 18 27.6 18 30.4 18 33.2	5 3.2 5 5.2 5 7.2 5 9.3 5 11.3 5 13.4 5 15.4	13 30.9 13 33.1 13 35.3 13 37.5 13 39.6
31 Su	6 38 54	9 36 50	6 ×42 34	12 41 12	15 30.3	12 39.1	25 51.6	4 21.2	2 16.3	24 38.1	18 36.1	5 17.5	13 44.0
008 ¥ D >0N >0S >0N 4△¥	8 2:28 9 2:42 21 22:49 6 13:06 9 14:16 19 4:50	Planet Ing	Mn Dy Hi 2:00 3 5 7:28 5 16 8 2 2:14 10 5 0:19 12 11 13 18 0:26 16 14 3:48 18 17 3:37 20 23 22 8 8:37 25 9	37 of a 2 26 fb +	D Ingress Dy Hr Mr 3 6:41 5 19:13 8 5:02 1 12 14:27 1 14 16:21 1 16 18:19 1 12 11:15 2 21 1:35 2 25 15:33 7 25 15:33 7 25 15:33	Dy Hr M 3 0:5 5 7:2 7 20:2 9 18:0 11 14:1 13 19:0 15 19:5 18 0:4 20 11:0 22 12:2 24 10:0 27 10:5	#In ¥ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		Dy Hr M 4 7:2 11 21:1 18 15:2 25 23:1 4 3:5 11 9:0 18 0:4 25 17:2	7	1 Ju De 336 SV 360 SV 38 M 38 M 24 M 114 Ju De SV SV SV SV SV SV SV S	P 05+15' liquity 23' Chiron 1 Mean Ω 1 DECEMBE lian Day #	ER 2000 36830 .5 sec 11" 526'18" 5x'38.6 8254.8 ER 2000 36860 .5 sec 06"