

A sample page from: The Betz Ephemeris, 1940-2040

by Martha & Keitz Betz

Daily positions, Lahiri ayanamsha for Sun, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto & the true node. The moon itself is given twice daily, at noon & midnight. The moon's latitude is given daily, other planets are given monthly. Also includes lunar phases & eclipses (both the zodiacal position & GMT), planets crossing 0 degrees latitude, monthly positions for Lahiri Ayanamsha, Delta T & the Julian date, star charts with signs & Nakshatras, star tables of the brightest stars with positions & magnitudes.

		MAY 2040							APPARENT SIDEREAL LONGITUDE							
DATE	SID TIME	SUN	MOON MIDNIGHT	MOON NOON	MOON'S N NODE	MERCURY	VENUS	MARS	JUPITER	SATURN	URANUS	NEPTUNE	PLUTO	MOON'S LAT		
		APPARENT LATITUDE							S 0 10.1	S 1 10.8	N 1 54.7	N 1 28.5	N 2 38.4	N 0 34.4	S 1 41.3	S 9 53.2
5 1	TU	14 38 8	16Y49 28	9 3.7	16 17.2	9 25.0	17Y15.5	8Y48.4	4S50.0	27A54.9	11W54.9	5S10.1	9Y11.1	2W33.7	S 2 35.9	
5 2	WE	14 42 4	17 47 42	23 29.1	0Y39.3	9 24.2	19 24.8	10 2.3	5 20.1	27A51.8	11W51.6	5 11.5	9 13.3	2 34.4	S 3 39.3	
5 3	TH	14 46 1	18 45 54	7Y47.2	14 52.6	9 23.5	21 34.5	11 16.2	5 50.3	27A49.0	11W48.3	5 12.9	9 15.6	2 35.0	S 4 28.4	
5 4	FR	14 49 58	19 44 4	21 55.4	28 55.2	9 22.8	23 44.1	12 30.2	6 20.6	27A46.3	11W45.1	5 14.3	9 17.8	2 35.6	S 5 0.7	
5 5	SA	14 53 54	20 42 13	5 52.0	12W45.6	9 22.2	25 53.6	13 44.1	6 51.0	27A43.8	11W42.0	5 15.8	9 20.0	2 36.2	S 5 14.8	
5 6	SU	14 57 51	21 40 20	19 35.9	26 23.0	9 21.6	28 2.6	14 58.0	7 21.6	27A41.5	11W38.9	5 17.4	9 22.3	2 36.8	S 5 10.6	
5 7	MO	15 1 47	22 38 26	3X 6.6	9Y46.8	9 21.2	0 10.8	16 11.9	7 52.3	27A39.4	11W36.0	5 18.9	9 24.5	2 37.3	S 5 49.1	
5 8	TU	15 5 44	23 36 31	16 23.6	22 56.9	9 20.7	2 17.8	17 25.8	8 23.1	27A37.4	11W33.1	5 20.6	9 26.7	2 37.8	S 4 12.3	
5 9	WE	15 9 40	24 34 34	29 26.6	5Y52.9	9 20.4	4 23.5	18 39.7	8 54.1	27A35.7	11W30.3	5 22.3	9 28.9	2 38.3	S 3 23.0	
5 10	TH	15 13 37	25 32 38	12Y15.8	18 35.2	9 20.1	6 27.5	19 53.6	9 25.1	27A34.1	11W27.6	5 24.0	9 31.1	2 38.7	S 2 24.2	
5 11	FR	15 17 33	26 30 36	24 51.3	1 4.2	9 19.8	8 29.7	21 7.5	9 56.3	27A32.7	11W25.0	5 25.8	9 33.3	2 39.2	S 1 19.3	
5 12	SA	15 21 30	27 28 34	7 14.0	13 20.9	9 19.6	10 29.6	22 21.4	10 27.6	27A31.4	11W22.4	5 27.6	9 35.5	2 39.6	S 0 11.6	
5 13	SU	15 25 27	28 26 31	19 25.1	25 26.9	9 19.5	12 27.2	23 35.2	10 59.0	27A30.4	11W20.0	5 29.5	9 37.6	2 39.9	S 0 55.7	
5 14	MO	15 29 23	29 24 27	1 26.6	7Y45.5	9 19.4	14 22.2	24 49.1	11 30.5	27A29.5	11W17.6	5 31.4	9 39.8	2 40.3	S 0 59.6	
5 15	TU	15 33 20	0 22 21	13 20.9	19 16.4	9 19.6	16 14.5	26 2.9	12 2.1	27A28.9	11W15.3	5 33.4	9 41.9	2 40.6	S 0 57.7	
5 16	WE	15 37 16	1 20 13	25 11.3	1S 6.2	9 19.7	18 3.9	27 16.8	12 33.8	27A28.4	11W13.1	5 35.4	9 44.1	2 40.9	S 0 47.8	
5 17	TH	15 41 13	2 18 3	7 1.4	12 57.6	9 20.0	19 50.4	28 30.8	13 5.7	27A28.1	11W11.1	5 37.5	9 46.2	2 41.2	S 0 48.2	
5 18	FR	15 45 9	3 15 52	18 55.4	24 55.2	9 20.3	21 33.7	29 44.5	13 37.6	27A27.9	11W9.1	5 39.5	9 48.3	2 41.5	S 0 47.3	
5 19	SA	15 49 6	4 13 39	0 57.7	7Y43.4	9 20.6	23 14.0	0 58.3	14 9.6	27A28.0	11W7.2	5 41.7	9 50.4	2 41.7	S 0 51.9	
5 20	SU	15 53 2	5 11 24	13 12.9	19 26.7	9 21.0	24 50.9	2 12.1	14 41.8	27A28.2	11W5.3	5 43.9	9 52.5	2 41.9	S 0 56.6	
5 21	MO	15 56 59	6 9 8	25 45.3	2 9.3	9 21.4	26 24.6	3 25.9	15 14.0	27A28.7	11W3.6	5 46.1	9 54.6	2 42.1	S 0 45.0	
5 22	TU	16 0 56	7 6 50	8Y38.8	15 14.4	9 21.7	27 55.0	4 39.7	15 46.3	27A29.3	11W2.0	5 48.4	9 56.7	2 42.2	S 0 47.0	
5 23	WE	16 4 52	8 4 31	21 56.2	28 44.2	9 22.1	29 22.0	5 53.4	16 18.7	27A30.0	11W0.5	5 50.7	9 58.7	2 42.3	S 0 54.1	
5 24	TH	16 8 49	9 2 10	5 38.6	12 39.0	9 22.5	0 45.5	7 7.2	16 51.2	27A31.0	11W59.1	5 53.0	10 0.8	2 42.4	S 0 56.6	
5 25	FR	16 12 45	9 59 47	19 45.3	26 56.9	9 22.8	2 5.6	8 21.0	17 23.8	27A32.2	11W57.7	5 55.4	10 2.8	2 42.5	S 0 46.9	
5 26	SA	16 16 42	10 57 24	4 13.3	1 11.0	9 23.0	3 22.2	9 34.8	17 56.4	27A33.5	10 56.5	5 57.8	10 4.8	2 42.6	S 0 28.6	
5 27	SU	16 20 38	11 54 59	18 57.5	26 23.5	9 23.2	4 35.2	10 48.9	18 29.2	27A35.0	10 55.4	6 0.3	10 6.8	2 42.6	S 0 52.9	
5 28	MO	16 24 35	12 52 33	3 50.9	1 11.8	9 23.4	5 44.6	12 2.3	19 2.0	27A36.6	10 54.4	6 2.8	10 8.8	2 42.6	S 0 11.7	
5 29	TU	16 28 31	13 50 6	18 45.7	26 11.1	9 23.7	6 50.3	13 16.0	19 35.0	27A38.5	10 53.4	6 5.3	10 10.7	2 42.5	S 0 21.6	
5 30	WE	16 32 28	14 47 38	3 34.2	10 19.6	9 24.0	7 52.3	14 29.8	20 8.0	27A40.5	10 52.6	6 7.9	10 12.7	2 42.5	S 0 17.4	
5 31	TH	16 36 25	15 45 9	18 10.0	25 21.4	9 24.3	8 50.5	15 43.5	20 41.1	27A42.7	10 51.9	6 10.5	10 14.6	2 42.4	S 0 55.7	

		JUNE 2040							APPARENT SIDEREAL LONGITUDE							
DATE	SID TIME	SUN	MOON MIDNIGHT	MOON NOON	MOON'S N NODE	MERCURY	VENUS	MARS	JUPITER	SATURN	URANUS	NEPTUNE	PLUTO	MOON'S LAT		
		APPARENT LATITUDE							N 1 36.4	S 0 7.9	N 1 28.3	N 1 21.6	N 2 32.4	N 0 33.8	S 1 42.0	S 10 2.9
6 1	FR	16 40 21	16 42 39	2 28.4	9 30.3	9 24.6	9 44.8	16 57.3	21 14.2	27A45.1	10W51.2	6 13.2	10Y16.5	2W42.3	S 5 14.8	
6 2	SA	16 44 18	17 40 8	16 27.0	23 18.5	9 24.8	10 35.2	18 11.0	21 47.5	27A47.6	10W50.7	6 15.9	10 18.4	2 42.2	S 5 14.6	
6 3	SU	16 48 14	18 37 37	0 4.9	6X46.3	9 25.1	11 21.6	19 24.7	22 20.8	27A50.3	10W50.3	6 18.6	10 20.3	2 42.0	S 4 56.6	
6 4	MO	16 52 11	19 35 5	13 23.0	19 55.0	9 25.2	12 3.8	20 38.5	22 54.3	27A53.2	10W49.9	6 21.4	10 22.1	2 41.8	S 4 23.0	
6 5	TU	16 56 7	20 32 32	26 22.8	2Y46.5	9 25.3	12 41.9	21 52.2	23 27.8	27A56.3	10W49.7	6 24.2	10 24.0	2 41.6	S 3 36.4	
6 6	WE	17 0 4	21 29 59	9Y 6.5	15 23.0	9 25.3	13 15.7	23 6.0	24 1.3	27A59.5	10W49.6	6 27.0	10 25.8	2 41.4	S 2 40.1	
6 7	TH	17 4 0	22 27 25	21 36.3	27 46.7	9 25.2	13 45.2	24 19.7	24 35.0	28 2.9	10 49.5	6 29.8	10 27.6	2 41.1	S 1 37.0	
6 8	FR	17 7 57	23 24 50	3 54.5	9 59.8	9 24.9	14 10.2	25 33.5	25 8.7	28 6.4	10 49.6	6 32.7	10 29.4	2 40.9	S 0 30.4	
6 9	SA	17 11 54	24 22 15	16 3.0	22 4.2	9 24.6	14 30.8	26 47.2	25 42.6	28 10.1	10 49.8	6 35.7	10 31.1	2 40.6	S 0 36.6	
6 10	SU	17 15 50	25 19 39	28 3.7	4 1.8	9 24.1	14 46.8	28 0.9	26 16.5	28 14.0	10 50.1	6 38.6	10 32.9	2 40.2	S 0 41.3	
6 11	MO	17 19 47	26 17 2	9 58.7	15 54.6	9 23.5	14 58.3	29 14.7	26 50.4	28 18.1	10 50.5	6 41.6	10 34.6	2 39.9	S 0 40.9	
6 12	TU	17 23 43	27 14 24	21 49.8	27 44.7	9 22.8	15 5.2	0 128.4	27 24.5	28 22.3	10 50.9	6 44.6	10 36.3	2 39.5	S 0 33.2	
6 13	WE	17 27 40	28 1 45	3 39.5	9 34.5	9 22.1	15 8.7	1 42.1	27 58.6	28 26.6	10 51.5	6 47.7	10 37.9	2 39.1	S 0 16.2	
6 14	TH	17 31 36	28 9 6	15 30.2	21 26.9	9 21.3	15 5.3	2 55.9	28 32.8	28 31.2	10 52.2	6 50.7	10 39.6	2 38.7	S 0 48.3	
6 15	FR	17 35 33	28 16 25	27 25.0	3 25.0	9 20.4	14 58.7	4 9.6	29 7.1	28 35.8	10 53.0	6 53.8	10 41.2	2 38.2	S 0 8.1	
6 16	SA	17 39 29	1 3 44	9 27.3	15 32.5	9 19.4	14 47.8	5 23.3	29 41.4	28 40.7	10 53.9	6 57.0	10 42.8	2 37.8	S 0 14.6	
6 17	SU	17 43 26	2 1 1	21 41.1	27 53.5	9 18.4	14 32.8	6 37.0	0 15.8	28 45.7	10 54.9	7 0.1	10 44.4	2 37.3	S 0 7.1	
6 18	MO	17 47 23	2 58 18	4 10.4	10 32.2	9 17.3	14 13.9	7 50.7	0 50.3	28 50.8	10 56.0	7 3.3	10 45.9	2 36.8	S 0 45.2	
6 19	TU	17 51 19	3 55 34	16 59.3	23 32.3	9 16.2	13 51.4	8 4.4	1 24.6	28 56.1	10 57.2	7 6.5	10 47.5	2 36.2	S 0 8.6	
6 20	WE	17 55 16	4 52 50	0 11.5	6 57.3	9 15.1	13 25.6	10 18.1	1 59.4	29 1.5	10 58.4	7 9.7	10 49.0	2 35.6	S 0 18.1	
6 21	TH	17 59 12	5 50 4	13 49.7	20 48.9	9 13.9	12 57.1	11 31.8	2 34.1	29 7.1	10 59.8	7 13.0	10 50.4	2 35.1	S 0 24.9	
6 22	FR	18 3 9	6 47 18	27 54.9	5 11.7	9 12.7	12 26.1	12 45.5	3 8.8	29 12.8	11 1.3	7 16.3	10 51.9	2 34.5	S 0 1.6	
6 23	SA	18 7 5	7 44 32	12 25.8	19 49.7	9 11.4	11 53.2	3 43.6	29 18.7	11 2.9	10 60.7	7 19.6	10 53.3	2 33.8	S 0 17.7	
6 24	SU	18 11 2	8 41 45	27 18.4	4 50.7	9 10.3	11 19.0	4 18.4	29 24.7	11 4.6	7 22.9	8 22.9	10 54.7	2 33.2	S 0 37.7	
6 25	MO	18 14 59	9 38 57	12 25.6	20 2.0	9 9.2	10 43.9	5 26.6	4 53.4	29 30.9	11 6.4	7 26.2	10 56.1	2 32.5	S 0 51.9	
6 26	TU	18 18 55	10 36 9	27 38.4	5 13.7	9 8.1	10 8.7	6 40.3	5 28.3	29 37.1	11 8.2	7 29				