GEOCENTRIC POSITIONS FOR 0^h TERRESTRIAL TIME

Date		Astrometric Right Ascension J2000.0	Astrometric Declination J2000.0	True Geocentric Distance	Date		Astrometric Right Ascension J2000.0	Astrometric Declination J2000.0	True Geocentric Distance
		h m s	° ′ ″				h m s	° ′ ″	
Jan.	−4	17 11 28.453	−13 44 21.01	31.519646	June	30	17 11 25.885	−13 27 23.18	29.718252
	1	17 12 12.780	−13 45 12.91	31.492975	July	5	17 10 56.220	−13 27 52.41	29.751470
	6	17 12 55.964	−13 45 55.42	31.459556		10	17 10 28.011	−13 28 30.55	29.791218
	11	17 13 37.732	−13 46 28.52	31.419661		15	17 10 01.510	−13 29 17.50	29.837176
	16	17 14 17.837	−13 46 52.33	31.373622		20	17 09 36.944	−13 30 13.14	29.889026
	21	17 14 56.052	−13 47 07.03	31.321797		25	17 09 14.544	−13 31 17.38	29.946436
	26	17 15 32.163	−13 47 12.83	31.264552		30	17 08 54.536	−13 32 30.06	30.009018
	31	17 16 05.951	−13 47 09.94	31.202276	Aug.	4	17 08 37.128	−13 33 50.92	30.076311
Feb.	5	17 16 37.196	−13 46 58.65	31.135439		9	17 08 22.493	−13 35 19.59	30.147798
	10	17 17 05.707	−13 46 39.37	31.064584		14	17 08 10.760	−13 36 55.58	30.222963
	15	17 17 31.329	−13 46 12.63	30.990272		19	17 08 02.045	−13 38 38.49	30.301309
	20	17 17 53.933	−13 45 38.96	30.913063		24	17 07 56.459	−13 40 27.87	30.382318
	25	17 18 13.401	−13 44 58.88	30.833500		29	17 07 54.097	−13 42 23.21	30.465425
Mar.	2	17 18 29.615	−13 44 12.92	30.752166	Sept.	3	17 07 55.027	−13 44 23.91	30.550013
	7	17 18 42.480	−13 43 21.71	30.669704		8	17 07 59.268	−13 46 29.27	30.635459
	12	17 18 51.945	−13 42 25.99	30.586777		13	17 08 06.811	−13 48 38.59	30.721184
	17	17 18 57.998	−13 41 26.52	30.504028		18	17 08 17.642	−13 50 51.24	30.806626
	22	17 19 00.649	−13 40 24.02	30.422060		23	17 08 31.738	−13 53 06.56	30.891209
	27	17 18 59.914	−13 39 19.17	30.341457		28	17 08 49.055	−13 55 23.82	30.974324
Apr.	1	17 18 55.824	−13 38 12.70	30.262838	Oct.	3	17 09 09.513	−13 57 42.22	31.055350
	6	17 18 48.450	−13 37 05.42	30.186836		8	17 09 32.991	−14 00 00.93	31.133712
	11	17 18 37.904	−13 35 58.15	30.114055		13	17 09 59.359	−14 02 19.23	31.208897
	16	17 18 24.332	−13 34 51.71	30.045042		18	17 10 28.487	−14 04 36.41	31.280408
	21	17 18 07.892	−13 33 46.81	29.980278		23	17 11 00.235	−14 06 51.78	31.347742
	26	17 17 48.742	−13 32 44.12	29.920235		28	17 11 34.437	−14 09 04.57	31.410392
May	1	17 17 27.066	−13 31 44.39	29.865397	Nov.	2	17 12 10.890	−14 11 13.99	31.467883
	6	17 17 03.089	−13 30 48.38	29.816212		7	17 12 49.374	−14 13 19.34	31.519828
	11	17 16 37.067	−13 29 56.83	29.773061		12	17 13 29.673	−14 15 20.02	31.565894
	16	17 16 09.268	−13 29 10.36	29.736244		17	17 14 11.572	−14 17 15.46	31.605770
	21	17 15 39.955	−13 28 29.52	29.705998		22	17 14 54.845	−14 19 05.10	31.639152
	26	17 15 09.389	−13 27 54.83	29.682560		27	17 15 39.242	−14 20 48.34	31.665760
	31	17 14 37.862	−13 27 26.85	29.666145	Dec.	2	17 16 24.487	−14 22 24.64	31.685395
June	5	17 14 05.685	−13 27 06.11	29.656899		7	17 17 10.308	−14 23 53.60	31.697954
	10	17 13 33.181	−13 26 53.06	29.654881		12	17 17 56.447	−14 25 14.90	31.703374
	15	17 13 00.660	−13 26 48.01	29.660067		17	17 18 42.650	−14 26 28.27	31.701615
	20	17 12 28.408	−13 26 51.18	29.672404		22	17 19 28.652	−14 27 33.42	31.692657
	25	17 11 56.716	−13 27 02.82	29.691835		27	17 20 14.169	−14 28 30.11	31.676536
	30	17 11 25.885	−13 27 23.18	29.718252		32	17 20 58.913	−14 29 18.19	31.653395

HELIOCENTRIC POSITIONS FOR 0^h TERRESTRIAL TIME

MEAN EQUINOX AND ECLIPTIC OF DATE

Date		Longitude	Latitude	Radius Vector	Date		Longitude	Latitude	Radius Vector
		° ′ ″	° ′ ″				° ′ ″	° ′ ″	
Jan.	1	257 35 43.1	+ 9 28 17.5	30.59459	July	20	258 51 22.4	+ 9 09 06.8	30.67226
Feb.	10	257 50 53.3	+ 9 24 28.2	30.60990	Aug.	29	259 06 26.8	+ 9 05 15.4	30.68813
Mar.	22	258 06 02.3	+ 9 20 38.4	30.62532	Oct.	8	259 21 30.0	+ 9 01 23.7	30.70411
May	1	258 21 10.1	+ 9 16 48.3	30.64086	Nov.	17	259 36 32.1	+ 8 57 31.6	30.72020
June	10	258 36 16.9	+ 9 12 57.7	30.65651	Dec.	27	259 51 33.0	+ 8 53 39.2	30.73639
July	20	258 51 22.4	+ 9 09 06.8	30.67226	Dec.	67	260 06 32.8	+ 8 49 46.4	30.75270