



**ERRATA FOR THE ALMANAC FOR GEODETIC ENGINEERS 2020**

Regarding the publication on **page 2** of the **ALMANAC FOR GEODETIC ENGINEERS 2020**, which contains the data for the **EPHEMERIS OF THE SUN**, it was verified that the February 29, 2020 date is missing but the data for the particular date is the data printed as March 1, 2020. The data printed from April 3 to December 31 are all correct.

**EPHEMERIS OF THE SUN, 2020**

DATE	NORTH POLAR DISTANCE				EQUATION OF TIME AT 12 NN	APP SIDE TIME AT 0H UT
	8 AM	HRLY VAR	2 PM	HRLY VAR		
	° ' "		° ' "		m s	h m s
FEB 16	102 35 30.0	-51.72	102 30 19.7	-51.84	-14 05.8	09 41 50
FEB 17	102 14 44.4	-52.21	102 09 31.2	-52.33	-14 02.3	09 45 46
FEB 18	101 53 47.1	-52.69	101 48 30.9	-52.81	-13 58.1	09 49 43
FEB 19	101 32 38.3	-53.16	101 27 19.4	-53.27	-13 53.3	09 53 39
FEB 20	101 11 18.5	-53.61	101 05 56.8	-53.71	-13 47.8	09 57 36
FEB 21	100 49 48.1	-54.04	100 44 23.9	-54.14	-13 41.6	10 01 33
FEB 22	100 28 07.6	-54.45	100 22 40.9	-54.54	-13 34.8	10 05 29
FEB 23	100 06 17.4	-54.84	100 00 48.4	-54.93	-13 27.3	10 09 26
FEB 24	99 44 17.9	-55.22	99 38 46.6	-55.31	-13 19.3	10 13 22
FEB 25	99 22 09.5	-55.58	99 16 36.0	-55.66	-13 10.6	10 17 19
FEB 26	98 59 52.6	-55.92	98 54 17.1	-56.00	-13 01.4	10 21 15
FEB 27	98 37 27.7	-56.24	98 31 50.2	-56.32	-12 51.5	10 25 12
FEB 28	98 14 55.2	-56.55	98 09 15.9	-56.62	-12 41.1	10 29 08
FEB 29	97 52 15.4	-56.84	97 46 34.3	-56.91	-12 30.1	10 33 05
MAR 1	97 29 28.8	-57.11	97 23 46.1	-57.17	-12 18.7	10 37 02
MAR 2	97 06 35.9	-57.37	97 00 51.7	-57.43	-12 06.6	10 40 58
MAR 3	96 43 36.9	-57.60	96 37 51.3	-57.66	-11 54.1	10 44 55
MAR 4	96 20 32.4	-57.84	96 14 45.4	-57.88	-11 41.2	10 48 51
MAR 5	95 57 22.6	-58.03	95 51 34.4	-58.08	-11 27.7	10 52 48
MAR 6	95 34 08.2	-58.23	95 28 18.8	-58.27	-11 13.8	10 56 44
MAR 7	95 10 49.3	-58.40	95 04 58.9	-58.44	-10 59.5	11 00 41
MAR 8	94 47 26.4	-58.55	94 41 35.1	-58.59	-10 44.8	11 04 37
MAR 9	94 23 59.9	-58.69	94 18 07.8	-58.72	-10 29.7	11 08 34
MAR 10	94 00 30.2	-58.82	93 54 37.3	-58.85	-10 14.3	11 12 31
MAR 11	93 36 57.5	-58.94	93 31 03.9	-58.96	-09 58.5	11 16 27
MAR 12	93 13 22.2	-59.03	93 07 28.0	-59.05	-09 42.5	11 20 24
MAR 13	92 49 44.7	-59.12	92 43 50.0	-59.14	-09 26.2	11 24 20
MAR 14	92 26 05.2	-59.19	92 20 10.0	-59.21	-09 09.6	11 28 17
MAR 15	92 02 24.1	-59.25	91 56 28.6	-59.26	-08 52.8	11 32 13
MAR 16	91 38 41.8	-59.29	91 32 46.1	-59.29	-08 35.8	11 36 10
MAR 17	91 14 58.7	-59.31	91 09 02.8	-59.31	-08 18.6	11 40 06
MAR 18	90 51 15.2	-59.33	90 45 19.3	-59.32	-08 01.2	11 44 03
MAR 19	90 27 31.5	-59.32	90 21 35.6	-59.31	-07 43.7	11 47 60
MAR 20	90 03 48.1	-59.30	89 57 52.3	-59.28	-07 26.1	11 51 56
MAR 21	89 40 05.4	-59.25	89 34 09.9	-59.24	-07 08.3	11 55 53
MAR 22	89 16 23.8	-59.21	89 10 28.6	-59.19	-06 50.5	11 59 49
MAR 23	88 52 43.5	-59.14	88 46 48.7	-59.12	-06 32.6	12 03 46
MAR 24	88 29 05.0	-59.05	88 23 10.7	-59.03	-06 14.6	12 07 42
MAR 25	88 05 28.7	-58.95	87 59 35.0	-58.92	-05 56.6	12 11 39
MAR 26	87 41 54.9	-58.84	87 36 01.9	-58.80	-05 38.5	12 15 35
MAR 27	87 18 24.0	-58.71	87 12 31.8	-58.67	-05 20.4	12 19 32
MAR 28	86 54 56.4	-58.56	86 49 05.0	-58.52	-05 02.4	12 23 28
MAR 29	86 31 32.4	-58.40	86 25 42.0	-58.36	-04 44.4	12 27 25
MAR 30	86 08 12.4	-58.23	86 02 23.0	-58.17	-04 26.4	12 31 22
MAR 31	85 44 56.8	-58.03	85 39 08.6	-57.98	-04 08.5	12 35 18
APR 1	85 21 46.0	-57.83	85 15 59.0	-57.77	-03 50.7	12 39 15
APR 2	84 58 40.2	-57.60	84 52 54.6	-57.54	-03 32.9	12 43 12