

SWISS EPHEMERIS for the year 2020 BCE

JANUARY 2020 BCE (-2019) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
M 1	5 32 42	25♁17'22	21♁14	19♁29	27♁30	19♁ 2	14°R58	22♁31	13♁24	19°R50	29°R 7	9♁38	10♁25	5♁24	n.a.		
T 2	5 36 39	26°12'54	5♁34	21°14	28°44	19°34	14♁53	22°35	13°26	19♁49	29♁ 6	9°39	10°22	5°31	n.a.		
W 3	5 40 35	27°13'24	19°49	23° 0	29°58	20° 7	14°49	22°40	13°29	19°47	29° 5	9°40	10°19	5°38	n.a.		
T 4	5 44 32	28°13'52	3♁56	24°46	1♁12	20°39	14°44	22°44	13°31	19°46	29° 4	9°R40	10°15	5°45	n.a.		
F 5	5 48 28	29°14'18	17°54	26°34	2°26	21°11	14°40	22°48	13°34	19°44	29° 2	9°39	10°12	5°51	n.a.		
S 6	5 52 25	0♁14'41	1♁42	28°22	3°40	21°44	14°37	22°52	13°37	19°43	29° 1	9°39	10° 9	5°58	n.a.		
S 7	5 56 21	1°15'03	15°18	0♁11	4°54	22°17	14°33	22°56	13°39	19°41	29° 0	9°38	10° 6	6° 5	n.a.		
M 8	6 0 18	2°15'22	28°41	2° 1	6° 8	22°49	14°30	23° 0	13°42	19°39	28°59	9°36	10° 3	6°11	n.a.		
T 9	6 4 14	3°15'39	11♁51	3°52	7°22	23°22	14°26	23° 3	13°45	19°38	28°58	9°36	9°59	6°18	n.a.		
W10	6 8 11	4°15'55	24°47	5°44	8°36	23°55	14°23	23° 7	13°48	19°36	28°57	9°35	9°56	6°25	n.a.		
T 11	6 12 8	5°16'08	7♁29	7°37	9°50	24°28	14°20	23°11	13°50	19°35	28°56	9°D35	9°53	6°31	n.a.		
F 12	6 16 4	6°16'19	19°58	9°30	11° 4	25° 1	14°18	23°14	13°53	19°33	28°55	9°35	9°50	6°38	n.a.		
S 13	6 20 1	7°16'28	2♁15	11°24	12°18	25°35	14°15	23°18	13°56	19°32	28°54	9°35	9°47	6°45	n.a.		
S 14	6 23 57	8°16'36	14°21	13°18	13°32	26° 8	14°13	23°21	13°59	19°30	28°53	9°35	9°44	6°52	n.a.		
M15	6 27 54	9°16'41	26°19	15°13	14°46	26°41	14°11	23°24	14° 2	19°28	28°52	9°R36	9°40	6°58	n.a.		
T 16	6 31 50	10°16'45	8♁12	17° 8	16° 1	27°15	14° 9	23°27	14° 5	19°27	28°51	9°36	9°37	7° 5	n.a.		
W17	6 35 47	11°16'46	20° 3	19° 4	17°15	27°48	14° 7	23°30	14° 8	19°25	28°50	9°35	9°34	7°12	n.a.		
T 18	6 39 43	12°16'46	1♁57	20°59	18°29	28°22	14° 6	23°33	14°11	19°23	28°49	9°35	9°31	7°18	n.a.		
F 19	6 43 40	13°16'44	13°59	22°54	19°43	28°55	14° 4	23°36	14°14	19°22	28°48	9°D35	9°28	7°25	n.a.		
S 20	6 47 37	14°16'40	26°12	24°48	20°57	29°29	14° 3	23°39	14°17	19°20	28°48	9°35	9°25	7°32	n.a.		
S 21	6 51 33	15°16'35	8♁41	26°42	22°11	0♁ 3	14° 2	23°42	14°20	19°18	28°47	9°36	9°21	7°38	n.a.		
M22	6 55 30	16°16'27	21°31	28°34	23°25	0°37	14° 1	23°44	14°23	19°17	28°46	9°36	9°18	7°45	n.a.		
T 23	6 59 26	17°16'18	4♁44	0♁25	24°38	1°11	14° 1	23°47	14°26	19°15	28°45	9°37	9°15	7°52	n.a.		
W24	7 3 23	18°16'06	18°21	2°13	25°52	1°45	14° 0	23°49	14°29	19°13	28°44	9°38	9°12	7°59	n.a.		
T 25	7 7 19	19°15'53	2♁23	3°59	27° 6	2°19	14°D 0	23°52	14°33	19°12	28°43	9°38	9° 9	8° 5	n.a.		
F 26	7 11 16	20°15'38	16°46	5°42	28°20	2°53	14° 0	23°54	14°36	19°10	28°43	9°R38	9° 5	8°12	n.a.		
S 27	7 15 12	21°15'20	1♁25	7°22	29°34	3°27	14° 1	23°56	14°39	19° 8	28°42	9°38	9° 2	8°19	n.a.		
S 28	7 19 9	22°15'00	16°13	8°57	0♁48	4° 1	14° 1	23°58	14°42	19° 7	28°41	9°36	8°59	8°25	n.a.		
M29	7 23 6	23°14'38	1♁ 4	10°28	2° 2	4°36	14° 2	24° 0	14°45	19° 5	28°41	9°35	8°56	8°32	n.a.		
T 30	7 27 2	24°14'13	15°48	11°54	3°16	5°10	14° 2	24° 2	14°49	19° 3	28°40	9°33	8°53	8°39	n.a.		
W31	7 30 59	25♁13'46	0♁21	13♁15	4♁30	5♁45	14♁ 3	24♁ 4	14♁52	19♁ 2	28♁39	9♁31	8♁50	8♁46	n.a.		

Delta T = 13h35m25s Julian Calendar 1 Jan. 2020 BCE == Greg. Calendar 15 Dec. 2021 BCE
 The year -2019 astronomical counting style corresponds to year 2020 B.C.E historical counting style.

FEBRUARY 2020 BCE (-2019) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	7 34 55	26♁13'16	14♁38	14♁29	5♁44	6♁19	14♁ 5	24♁ 6	14♁55	19°R 0	28°R39	9°R30	8♁46	8♁52	n.a.		
F 2	7 38 52	27°12'44	28°36	15°37	6°58	6°54	14° 6	24° 7	14°58	18♁58	28♁38	9°D30	8°43	8°59	n.a.		
S 3	7 42 48	28°12'09	12♁14	16°39	8°12	7°28	14° 8	24° 9	15° 2	18°57	28°37	9♁31	8°40	9° 6	n.a.		
S 4	7 46 45	29°11'32	25°34	17°34	9°26	8° 3	14° 9	24°10	15° 5	18°55	28°37	9°32	8°37	9°12	n.a.		
M 5	7 50 41	0♁10'52	8♁37	18°21	10°40	8°37	14°11	24°12	15° 8	18°54	28°36	9°33	8°34	9°19	n.a.		
T 6	7 54 38	1°10'10	21°25	19° 1	11°54	9°12	14°13	24°13	15°12	18°52	28°36	9°35	8°31	9°26	n.a.		
W 7	7 58 35	2° 9'26	4♁ 0	19°33	13° 7	9°47	14°16	24°14	15°15	18°50	28°35	9°R36	8°27	9°32	n.a.		
T 8	8 2 31	3° 8'39	16°24	19°57	14°21	10°22	14°18	24°15	15°18	18°49	28°35	9°35	8°24	9°39	n.a.		
F 9	8 6 28	4° 7'50	28°38	20°14	15°35	10°57	14°21	24°16	15°22	18°47	28°34	9°34	8°21	9°46	n.a.		
S 10	8 10 24	5° 6'58	10♁44	20°23	16°49	11°32	14°24	24°17	15°25	18°46	28°34	9°32	8°18	9°53	n.a.		
S 11	8 14 21	6° 6'05	22°44	20°R24	18° 3	12° 6	14°27	24°17	15°28	18°44	28°34	9°28	8°15	9°59	n.a.		
M12	8 18 17	7° 5'09	4♁39	20°18	19°17	12°41	14°30	24°18	15°32	18°42	28°33	9°23	8°11	10° 6	n.a.		
T 13	8 22 14	8° 4'11	16°31	20° 5	20°30	13°16	14°34	24°19	15°35	18°41	28°33	9°18	8° 8	10°13	n.a.		
W14	8 26 10	9° 3'11	28°22	19°46	21°44	13°52	14°37	24°19	15°39	18°39	28°33	9°13	8° 5	10°19	n.a.		
T 15	8 30 7	10° 2'09	10♁17	19°20	22°58	14°27	14°41	24°19	15°42	18°38	28°32	9° 9	8° 2	10°26	n.a.		
F 16	8 34 4	11° 1'05	22°17	18°48	24°12	15° 2	14°45	24°20	15°45	18°36	28°32	9° 6	7°59	10°33	n.a.		
S 17	8 38 0	11°59'59	4♁28	18°12	25°26	15°37	14°49	24°20	15°49	18°35	28°32	9° 4	7°56	10°40	n.a.		
S 18	8 41 57	12°58'51	16°54	17°32	26°40	16°12	14°53	24°R20	15°52	18°33	28°32	9°D 4	7°52	10°46	n.a.		
M19	8 45 53	13°57'41	29°39	16°49	27°53	16°47	14°58	24°20	15°56	18°32	28°31	9° 5	7°49	10°53	n.a.		
T 20	8 49 50	14°56'30	12♁46	16° 3	29° 7	17°23	15° 2	24°20	15°59	18°30	28°31	9° 6	7°46	11° 0	n.a.		
W21	8 53 46	15°55'16	26°20	15°16	0♁21	17°58	15° 7	24°19	16° 2	18°29	28°31	9° 8	7°43	11° 6	n.a.		
T 22	8 57 43	16°54'01	10♁22	14°29	1°35	18°33	15°12	24°19	16° 6	18°27	28°31	9°R 8	7°40	11°13	n.a.		
F 23	9 1 39	17°52'44	24°50	13°42	2°49	19° 9	15°17	24°19	16° 9	18°26	28°31	9° 7	7°36	11°20	n.a.		
S 24	9 5 36	18°51'24	9♁40	12°56	4° 2	19°44	15°23	24°18	16°13	18°25	28°31	9° 5	7°33	11°27	n.a.		
S 25	9 9 33	19°50'03	24°46	12°12	5°16	20°20	15°28	24°18	16°16	18°23	28°31	9° 0	7°30	11°33	n.a.		
M26	9 13 29	20°48'39	9♁58	11°32	6°30	20°55	15°34	24°17	16°20	18°22	28°31	8°54	7°27	11°40	n.a.		
T 27	9 17 26	21°47'13	25° 5	10°54	7°44	21°31	15°39	24°16	16°23	18°21	28°D31	8°48	7°24	11°47	n.a.		
W28	9 21 22	22♁45'45	9♁59	10♁21	8♁58	22♁ 6	15♁45	24♁15	16♁26	18♁19	28♁31	8♁42	7♁21	11♁53	n.a.		

Delta T = 13h35m23s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [6.2.2007]

SWISS EPHEMERIS for the year 2020 BCE

MARCH 2020 BCE (-2019) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
T 1	9 25 19	23 ⁴⁴ 44'15	24 ^Υ 31	9 [°] R52	10 [≈] 11	22 ^Υ 42	15 [♁] 51	24 [°] R14	16 [≈] 30	18 [°] R18	28 [♁] 31	8 [°] R37	7 [♁] 17	12 [♁] 0	n.a.									
F 2	9 29 15	24 [°] 42'42	8 [♁] 38	9 [≈] 28	11 [°] 25	23 [°] 17	15 [°] 57	24 [♁] 13	16 [°] 33	18 [♁] 17	28 [°] 31	8 [°] D34	7 [°] 14	12 [°] 7	n.a.									
S 3	9 33 12	25 [°] 41'07	22 [°] 19	9 [°] 8	12 [°] 39	23 [°] 53	16 [°] 4	24 [°] 12	16 [°] 37	18 [°] 15	28 [°] 31	8 [°] D33	7 [°] 11	12 [°] 13	n.a.									
S 4	9 37 8	26 [°] 39'29	5 [♁] 35	8 [°] 54	13 [°] 53	24 [°] 29	16 [°] 10	24 [°] 10	16 [°] 40	18 [°] 14	28 [°] 31	8 [°] 33	7 [°] 8	12 [°] 20	n.a.									
M 5	9 41 5	27 [°] 37'50	18 [°] 30	8 [°] 45	15 [°] 6	25 [°] 4	16 [°] 17	24 [°] 9	16 [°] 43	18 [°] 13	28 [°] 31	8 [°] 34	7 [°] 5	12 [°] 27	n.a.									
T 6	9 45 2	28 [°] 36'08	1 [♁] 5	8 [°] D41	16 [°] 20	25 [°] 40	16 [°] 24	24 [°] 8	16 [°] 47	18 [°] 12	28 [°] 31	8 [°] 35	7 [°] 2	12 [°] 34	n.a.									
W 7	9 48 58	29 [°] 34'24	13 [°] 27	8 [°] 42	17 [°] 34	26 [°] 16	16 [°] 31	24 [°] 6	16 [°] 50	18 [°] 11	28 [°] 32	8 [°] R35	6 [°] 58	12 [°] 40	n.a.									
T 8	9 52 55	0 [♁] 32'37	25 [°] 37	8 [°] 48	18 [°] 47	26 [°] 52	16 [°] 38	24 [°] 4	16 [°] 53	18 [°] 10	28 [°] 32	8 [°] 34	6 [°] 55	12 [°] 47	n.a.									
F 9	9 56 51	1 [°] 30'49	7 [♁] 39	8 [°] 59	20 [°] 1	27 [°] 27	16 [°] 45	24 [°] 3	16 [°] 57	18 [°] 8	28 [°] 32	8 [°] 30	6 [°] 52	12 [°] 54	n.a.									
S 10	10 0 48	2 [°] 28'58	19 [°] 36	9 [°] 14	21 [°] 15	28 [°] 3	16 [°] 52	24 [°] 1	17 [°] 0	18 [°] 7	28 [°] 32	8 [°] 23	6 [°] 49	13 [°] 0	n.a.									
S 11	10 4 44	3 [°] 27'06	1 [♁] 30	9 [°] 35	22 [°] 29	28 [°] 39	17 [°] 0	23 [°] 59	17 [°] 3	18 [°] 6	28 [°] 33	8 [°] 15	6 [°] 46	13 [°] 7	n.a.									
M 12	10 8 41	4 [°] 25'11	13 [°] 22	9 [°] 59	23 [°] 42	29 [°] 15	17 [°] 7	23 [°] 57	17 [°] 7	18 [°] 5	28 [°] 33	8 [°] 5	6 [°] 42	13 [°] 14	n.a.									
T 13	10 12 37	5 [°] 23'15	25 [°] 15	10 [°] 29	24 [°] 56	29 [°] 51	17 [°] 15	23 [°] 55	17 [°] 10	18 [°] 4	28 [°] 33	7 [°] 54	6 [°] 39	13 [°] 21	n.a.									
W 14	10 16 34	6 [°] 21'17	7 [♁] 9	11 [°] 2	26 [°] 10	0 [♁] 27	17 [°] 23	23 [°] 53	17 [°] 13	18 [°] 3	28 [°] 34	7 [°] 43	6 [°] 36	13 [°] 27	n.a.									
T 15	10 20 31	7 [°] 19'17	19 [°] 6	11 [°] 39	27 [°] 23	1 [°] 3	17 [°] 31	23 [°] 50	17 [°] 16	18 [°] 2	28 [°] 34	7 [°] 33	6 [°] 33	13 [°] 34	n.a.									
F 16	10 24 27	8 [°] 17'16	1 [♁] 9	12 [°] 20	28 [°] 37	1 [°] 39	17 [°] 39	23 [°] 48	17 [°] 20	18 [°] 1	28 [°] 34	7 [°] 26	6 [°] 30	13 [°] 41	n.a.									
S 17	10 28 24	9 [°] 15'13	13 [°] 21	13 [°] 5	29 [°] 51	2 [°] 15	17 [°] 47	23 [°] 46	17 [°] 23	18 [°] 0	28 [°] 35	7 [°] 20	6 [°] 27	13 [°] 47	n.a.									
S 18	10 32 20	10 [°] 13'08	25 [°] 46	13 [°] 53	1 [♁] 4	2 [°] 51	17 [°] 56	23 [°] 43	17 [°] 26	17 [°] 59	28 [°] 35	7 [°] 17	6 [°] 23	13 [°] 54	n.a.									
M 19	10 36 17	11 [°] 11'02	8 [°] 28	14 [°] 45	2 [°] 18	3 [°] 27	18 [°] 4	23 [°] 40	17 [°] 29	17 [°] 59	28 [°] 36	7 [°] D16	6 [°] 20	14 [°] 1	n.a.									
T 20	10 40 13	12 [°] 8'55	21 [°] 29	15 [°] 40	3 [°] 32	4 [°] 3	18 [°] 13	23 [°] 38	17 [°] 33	17 [°] 58	28 [°] 36	7 [°] 16	6 [°] 17	14 [°] 8	n.a.									
W 21	10 44 10	13 [°] 6'46	4 [♁] 56	16 [°] 38	4 [°] 45	4 [°] 39	18 [°] 22	23 [°] 35	17 [°] 36	17 [°] 57	28 [°] 37	7 [°] R17	6 [°] 14	14 [°] 14	n.a.									
T 22	10 48 6	14 [°] 4'36	18 [°] 49	17 [°] 39	5 [°] 59	5 [°] 15	18 [°] 30	23 [°] 32	17 [°] 39	17 [°] 56	28 [°] 37	7 [°] 16	6 [°] 11	14 [°] 21	n.a.									
F 23	10 52 3	15 [°] 2'25	3 [♁] 11	18 [°] 43	7 [°] 13	5 [°] 51	18 [°] 39	23 [°] 29	17 [°] 42	17 [°] 55	28 [°] 38	7 [°] 14	6 [°] 8	14 [°] 28	n.a.									
S 24	10 56 0	16 [°] 0'12	17 [°] 57	19 [°] 49	8 [°] 26	6 [°] 27	18 [°] 48	23 [°] 26	17 [°] 45	17 [°] 55	28 [°] 39	7 [°] 9	6 [°] 4	14 [°] 34	n.a.									
S 25	10 59 56	16 [°] 57'57	3 [♁] 4	20 [°] 59	9 [°] 40	7 [°] 3	18 [°] 58	23 [°] 23	17 [°] 48	17 [°] 54	28 [°] 39	7 [°] 2	6 [°] 1	14 [°] 41	n.a.									
M 26	11 3 53	17 [°] 55'41	18 [°] 22	22 [°] 11	10 [°] 54	7 [°] 39	19 [°] 7	23 [°] 20	17 [°] 51	17 [°] 53	28 [°] 40	6 [°] 52	5 [°] 58	14 [°] 48	n.a.									
T 27	11 7 49	18 [°] 53'24	3 [♁] 39	23 [°] 25	12 [°] 7	8 [°] 16	19 [°] 16	23 [°] 17	17 [°] 54	17 [°] 53	28 [°] 41	6 [°] 42	5 [°] 55	14 [°] 55	n.a.									
W 28	11 11 46	19 [°] 51'05	18 [°] 45	24 [°] 42	13 [°] 21	8 [°] 52	19 [°] 26	23 [°] 14	17 [°] 57	17 [°] 52	28 [°] 41	6 [°] 32	5 [°] 52	15 [°] 1	n.a.									
T 29	11 15 42	20 [°] 48'44	3 [♁] 30	26 [°] 2	14 [°] 35	9 [°] 28	19 [°] 35	23 [°] 11	18 [°] 0	17 [°] 52	28 [°] 42	6 [°] 24	5 [°] 48	15 [°] 8	n.a.									
F 30	11 19 39	21 [°] 46'21	17 [°] 48	27 [°] 23	15 [°] 48	10 [°] 4	19 [°] 45	23 [°] 7	18 [°] 3	17 [°] 51	28 [°] 43	6 [°] 18	5 [°] 45	15 [°] 15	n.a.									
S 31	11 23 35	22 [°] 43'57	1 [♁] 37	28 [°] 48	17 [°] 2	10 [°] 41	19 [°] 55	23 [°] 4	18 [°] 6	17 [°] 51	28 [°] 44	6 [°] D14	5 [°] D42	15 [°] 21	n.a.									

Delta T = 13h35m21s Julian Calendar 1 March 2020 BCE == Greg. Calendar 12 Feb. 2020 BCE
 The year -2019 astronomical counting style corresponds to year 2020 B.C.E historical counting style.

APRIL 2020 BCE (-2019) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
S 1	11 27 32	23 [♁] 41'31	14 [♁] 57	0 [♁] 14	18 [♁] 16	11 [♁] 17	20 [♁] 5	23 [°] R0	18 [≈] 9	17 [°] R50	28 [♁] 44	6 [°] R13	5 [♁] 39	15 [♁] 28	n.a.									
M 2	11 31 28	24 [°] 39'04	27 [°] 51	1 [°] 43	19 [°] 29	11 [°] 53	20 [°] 15	22 [♁] 57	18 [°] 12	17 [°] D50	28 [°] 45	6 [°] D13	5 [°] 36	15 [°] 35	n.a.									
T 3	11 35 25	25 [°] 36'35	10 [♁] 24	3 [°] 14	20 [°] 43	12 [°] 30	20 [°] 25	22 [°] 53	18 [°] 15	17 [°] 49	28 [°] 46	6 [°] R13	5 [°] 33	15 [°] 42	n.a.									
W 4	11 39 22	26 [°] 34'04	22 [°] 40	4 [°] 47	21 [°] 57	13 [°] 6	20 [°] 35	22 [°] 50	18 [°] 18	17 [°] 49	28 [°] 47	6 [°] D12	5 [°] 29	15 [°] 48	n.a.									
T 5	11 43 18	27 [°] 31'32	4 [♁] 44	6 [°] 23	23 [°] 10	13 [°] 43	20 [°] 45	22 [°] 46	18 [°] 21	17 [°] 48	28 [°] 48	6 [°] 9	5 [°] 26	15 [°] 55	n.a.									
F 6	11 47 15	28 [°] 28'58	16 [°] 41	8 [°] 1	24 [°] 24	14 [°] 19	20 [°] 56	22 [°] 42	18 [°] 23	17 [°] 48	28 [°] 49	6 [°] 4	5 [°] 23	16 [°] 2	n.a.									
S 7	11 51 11	29 [°] 26'23	28 [°] 33	9 [°] 40	25 [°] 37	14 [°] 55	21 [°] 6	22 [°] 38	18 [°] 26	17 [°] 48	28 [°] 50	5 [°] 55	5 [°] 20	16 [°] 8	n.a.									
S 8	11 55 8	0 [♁] 23'46	10 [♁] 24	11 [°] 23	26 [°] 51	15 [°] 32	21 [°] 16	22 [°] 34	18 [°] 29	17 [°] 48	28 [°] 50	5 [°] 45	5 [°] 17	16 [°] 15	n.a.									
M 9	11 59 4	1 [°] 21'08	22 [°] 16	13 [°] 7	28 [°] 5	16 [°] 8	21 [°] 27	22 [°] 31	18 [°] 32	17 [°] 47	28 [°] 51	5 [°] 32	5 [°] 13	16 [°] 22	n.a.									
T 10	12 3 1	2 [°] 18'29	4 [♁] 11	14 [°] 54	29 [°] 18	16 [°] 45	21 [°] 38	22 [°] 27	18 [°] 34	17 [°] 47	28 [°] 52	5 [°] 18	5 [°] 10	16 [°] 29	n.a.									
W 11	12 6 57	3 [°] 15'49	16 [°] 10	16 [°] 42	0 [♁] 32	17 [°] 21	21 [°] 49	22 [°] 23	18 [°] 37	17 [°] 47	28 [°] 53	5 [°] 5	5 [°] 7	16 [°] 35	n.a.									
T 12	12 10 54	4 [°] 13'07	28 [°] 14	18 [°] 33																				

SWISS EPHEMERIS for the year 2020 BCE

MAY 2020 BCE (-2019) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	13 25 49	22°19'50	19°59' 9	28°27' 27	25°29' 5	29°36' 36	25°39' 39	20°57' 57	19°23' 23	17°50' 50	29°17' 17	3°R19	4°5' 4	18°50' 50	n.a.		
W 2	13 29 45	23°16'55	18°26' 1	0°34' 34	26°18' 18	0°11' 31	25°51' 51	20°48' 48	19°25' 25	17°51' 51	29°18' 18	3°17' 17	4°0' 0	18°56' 56	n.a.		
T 3	13 33 42	24°13'59	13°29' 2	13°29' 2	27°32' 32	0°49' 49	26°04' 04	20°48' 48	19°27' 27	17°51' 51	29°20' 20	3°17' 17	3°57' 57	19°03' 03	n.a.		
F 4	13 37 38	25°11'02	25°25' 25	4°45' 45	28°46' 46	1°26' 26	26°16' 16	20°44' 44	19°29' 29	17°52' 52	29°21' 21	3°13' 13	3°54' 54	19°10' 10	n.a.		
S 5	13 41 35	26°08'05	7°16' 16	6°47' 47	29°59' 59	2°03' 03	26°28' 28	20°40' 40	19°31' 31	17°53' 53	29°23' 23	3°07' 07	3°51' 51	19°17' 17	n.a.		
S 6	13 45 31	27°05'08	19°08' 8	8°48' 48	1°13' 13	2°40' 40	26°40' 40	20°35' 35	19°32' 32	17°53' 53	29°24' 24	2°58' 58	3°48' 48	19°23' 23	n.a.		
M 7	13 49 28	28°02'10	1°2' 2	10°47' 47	2°27' 27	3°17' 17	26°53' 53	20°31' 31	19°34' 34	17°54' 54	29°25' 25	2°48' 48	3°44' 44	19°30' 30	n.a.		
T 8	13 53 24	28°59'11	13°02' 2	12°44' 44	3°40' 40	3°54' 54	27°05' 05	20°27' 27	19°36' 36	17°55' 55	29°27' 27	2°36' 36	3°41' 41	19°37' 37	n.a.		
W 9	13 57 21	29°56'12	25°08' 8	14°39' 39	4°54' 54	4°31' 31	27°18' 18	20°22' 22	19°37' 37	17°55' 55	29°28' 28	2°25' 25	3°38' 38	19°43' 43	n.a.		
T 10	14 01 17	0°53'14	7°11' 23	16°32' 32	6°08' 08	5°09' 09	27°30' 30	20°18' 18	19°39' 39	17°56' 56	29°30' 30	2°15' 15	3°35' 35	19°50' 50	n.a.		
F 11	14 05 14	1°50'15	19°46' 19	18°22' 22	7°21' 21	5°46' 46	27°43' 43	20°14' 14	19°40' 40	17°57' 57	29°31' 31	2°06' 06	3°32' 32	19°57' 57	n.a.		
S 12	14 09 11	2°47'16	2°17' 16	20°11' 11	8°35' 35	6°23' 23	27°56' 56	20°10' 10	19°42' 42	17°58' 58	29°33' 33	2°00' 00	3°29' 29	20°04' 04	n.a.		
S 13	14 13 07	3°44'17	15°03' 3	21°57' 57	9°49' 49	7°00' 00	28°08' 08	20°05' 05	19°43' 43	17°59' 59	29°34' 34	1°56' 56	3°25' 25	20°10' 10	n.a.		
M 14	14 17 04	4°41'18	28°00' 28	23°41' 41	11°02' 02	7°37' 37	28°21' 21	20°01' 01	19°45' 45	17°59' 59	29°36' 36	1°D55	3°22' 22	20°17' 17	n.a.		
T 15	14 21 00	5°38'20	11°10' 10	25°23' 23	12°16' 16	8°14' 14	28°34' 34	19°57' 57	19°46' 46	18°00' 00	29°37' 37	1°55' 55	3°19' 19	20°24' 24	n.a.		
W 16	14 24 57	6°35'22	24°36' 24	27°03' 03	13°30' 30	8°51' 51	28°46' 46	19°53' 53	19°48' 48	18°01' 01	29°39' 39	1°56' 56	3°16' 16	20°30' 30	n.a.		
T 17	14 28 53	7°32'24	8°20' 20	28°41' 41	14°43' 43	9°29' 29	28°59' 59	19°49' 49	19°49' 49	18°02' 02	29°40' 40	1°R57	3°13' 13	20°37' 37	n.a.		
F 18	14 32 50	8°29'27	22°23' 22	0°11' 16	15°57' 57	10°06' 06	29°12' 12	19°45' 45	19°50' 50	18°03' 03	29°42' 42	1°56' 56	3°10' 10	20°44' 44	n.a.		
S 19	14 36 46	9°26'30	6°43' 43	1°49' 49	17°11' 11	10°43' 43	29°25' 25	19°41' 41	19°51' 51	18°04' 04	29°43' 43	1°53' 53	3°06' 06	20°51' 51	n.a.		
S 20	14 40 43	10°23'33	21°19' 21	3°20' 20	18°25' 25	11°20' 20	29°38' 38	19°37' 37	19°52' 52	18°05' 05	29°45' 45	1°48' 48	3°03' 03	20°57' 57	n.a.		
M 21	14 44 40	11°20'37	6°06' 06	4°49' 49	19°38' 38	11°58' 58	29°51' 51	19°33' 33	19°53' 53	18°06' 06	29°46' 46	1°42' 42	3°00' 00	21°04' 04	n.a.		
T 22	14 48 36	12°17'42	20°56' 20	6°16' 16	20°52' 52	12°35' 35	0°11' 4	19°29' 29	19°55' 55	18°08' 08	29°48' 48	1°34' 34	2°57' 57	21°11' 11	n.a.		
W 23	14 52 33	13°14'47	5°42' 42	7°40' 40	22°06' 06	13°13' 13	0°17' 17	19°25' 25	19°56' 56	18°09' 09	29°49' 49	1°27' 27	2°54' 54	21°18' 18	n.a.		
T 24	14 56 29	14°11'52	20°15' 20	9°02' 02	23°19' 19	13°50' 50	0°30' 30	19°21' 21	19°56' 56	18°10' 10	29°51' 51	1°21' 21	2°50' 50	21°24' 24	n.a.		
F 25	15 00 26	15°08'57	4°11' 29	10°21' 21	24°33' 33	14°27' 27	0°43' 43	19°18' 18	19°57' 57	18°11' 11	29°53' 53	1°16' 16	2°47' 47	21°31' 31	n.a.		
S 26	15 04 22	16°06'03	18°19' 18	11°38' 38	25°47' 47	15°05' 05	0°56' 56	19°14' 14	19°58' 58	18°12' 12	29°54' 54	1°14' 14	2°44' 44	21°38' 38	n.a.		
S 27	15 08 19	17°03'10	1°43' 10	12°53' 53	27°01' 01	15°42' 42	1°09' 09	19°10' 10	19°59' 59	18°14' 14	29°56' 56	1°D13	2°41' 41	21°44' 44	n.a.		
M 28	15 12 15	18°01'16	14°43' 14	14°05' 14	28°14' 14	16°20' 20	1°22' 22	19°07' 07	20°00' 00	18°15' 15	29°57' 57	1°14' 14	2°38' 38	21°51' 51	n.a.		
T 29	15 16 12	18°57'23	27°21' 27	15°15' 15	29°28' 28	16°57' 57	1°35' 35	19°03' 03	20°01' 01	18°16' 16	29°59' 59	1°15' 15	2°35' 35	21°58' 58	n.a.		
W 30	15 20 09	19°54'30	9°41' 09	16°21' 16	0°11' 42	17°35' 35	1°48' 48	19°00' 00	20°01' 01	18°18' 18	0°11' 1	1°16' 16	2°31' 31	22°05' 05	n.a.		
T 31	15 24 05	20°51'37	21°47' 21	17°11' 25	1°11' 56	18°11' 12	2°11' 2	18°56' 56	20°02' 02	18°19' 19	0°11' 2	1°R17	2°28' 28	22°11' 11	n.a.		

Delta T = 13h35m17s Julian Calendar 1 May 2020 BCE == Greg. Calendar 14 Apr. 2020 BCE
 The year -2019 astronomical counting style corresponds to year 2020 B.C.E historical counting style.

JUNE 2020 BCE (-2019) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
F 1	15 28 02	21°48'44	3°14' 44	18°11' 27	3°11' 09	18°11' 50	2°11' 15	18°R53	20°02' 2	18°20' 20	0°11' 4	1°R16	2°25' 25	22°18' 18	n.a.		
S 2	15 31 58	22°45'52	15°36' 15	19°25' 19	4°23' 23	19°27' 27	2°28' 28	18°45' 45	20°03' 03	18°22' 22	0°05' 5	1°R13	2°22' 22	22°25' 25	n.a.		
S 3	15 35 55	23°43'00	27°30' 27	20°20' 20	5°37' 37	20°05' 05	2°41' 41	18°47' 47	20°03' 03	18°23' 23	0°07' 7	1°09' 09	2°19' 19	22°31' 31	n.a.		
M 4	15 39 51	24°40'09	9°27' 27	21°12' 21	6°51' 51	20°43' 43	2°54' 54	18°43' 43	20°04' 04	18°25' 25	0°09' 9	1°04' 04	2°16' 16	22°38' 38	n.a.		
T 5	15 43 48	25°37'18	21°32' 21	22°01' 22	8°05' 05	21°20' 20	3°08' 08	18°40' 40	20°04' 04	18°26' 26	0°10' 10	0°58' 58	2°12' 12	22°45' 45	n.a.		
W 6	15 47 44	26°34'28	31°47' 31	22°46' 22	9°18' 18	21°58' 58	3°21' 21	18°37' 37	20°05' 05	18°28' 28	0°12' 12	0°52' 52	2°09' 09	22°52' 52	n.a.		
T 7	15 51 41	27°31'39	16°13' 16	23°28' 23	10°32' 32	22°36' 36	3°34' 34	18°34' 34	20°05' 05	18°29' 29	0°13' 13	0°47' 47	2°06' 06	22°58' 58	n.a.		
F 8	15 55 38	28°28'50	28°51' 28	24°06' 24	11°46' 46	23°14' 14	3°47' 47	18°32' 32	20°05' 05	18°31' 31	0°15' 15	0°42' 42	2°03' 03	23°05' 05	n.a.		
S 9	15 59 34	29°26'03	11°43' 43	24°40' 24	13°00' 13	23°51' 51	4°01' 01	18°29' 29	20°05' 05	18°32' 32	0°17' 17	0°39' 39	2°00' 00	23°12' 12	n.a.		
S 10	16 03 31	0°11'23'16	24°47' 24	25°09' 25	14°13' 14	24°29' 24	4°14' 14	18°26' 26	20°05' 05	18°34' 34	0°18' 18	0°D38	1°56' 56	23°19' 19	n.a.		
M 11	16 07 27	1°20'30	8°3' 3	25°35' 25	15°27' 15	25°07' 25	4°27' 4	18°23' 23	20°05' 05	18°35' 35	0°20' 20	0°38' 38	1°53' 53	23°25' 25	n.a.		
T 12	16 11 24	2°17'46	21°32' 21	25°56' 25	16°41' 16	25°45' 25	4°41' 4	18°21' 21	20°R 5	18°37' 37	0°22' 22	0°39' 39	1°50' 50	23°32' 32	n.a.		
W 13	16 15 20	3°15'02	5°11' 3	26°13' 26	17°55' 17	26°23' 26	4°54' 4	18°18' 18	20°05' 05	18°39' 39	0°23' 23	0°41' 41	1°47' 47	23°39' 39	n.a.		
T 14	16 19 17	4°12'20	19°06' 19	26°24' 26	19°09' 19	27°00' 27	5°07' 5	18°16' 18	20°05' 05	18°40' 40	0°25' 25	0°42' 42	1°44' 44	23°45' 45	n.a.		
F 15	16 23 13	5°09'40	3°4' 9	26°31' 26	20°22' 20	27°38' 27	5°20' 5	18°14' 18	20°05' 05	18°42' 42	0°27' 27	0°R43	1°41' 41	23°52' 52	n.a.		
S 16	16 27 10	6°07'00	17°22' 17	26°R33	21°36' 21	28°16' 28	5°34' 5	18°11' 18	20°05' 05	18°44' 44	0°28' 28	0°42' 42	1°37' 37	23°59' 59	n.a.		
S 17	16 31 07	7°04'22	1°47' 1	26°30' 26	22°50' 22	28°54' 28	5°47' 5	18°09' 18	20°05' 05	18°46' 46	0°30' 30	0°41' 41	1°34' 34	24°06' 06	n.a.		
M 18	16 35 03	8°01'45	16°07' 16	26°21' 26	24°04' 24	29°32' 29	6°00' 6	18°07' 18	20°05' 05	18°47' 47	0°31' 31	0°38' 38	1°31' 31	24°12' 12	n.a.		
T 19	16 39 00	8°59'10	0°31' 0	26°08' 26	25°18' 25	0°10' 1	6°14' 6	18°05' 18	20°04' 04	18°49' 49	0°33' 33	0°36' 36	1°28' 28	24°19' 19	n.a.		
W 20	16 42 56	9°56'37	14°50' 14	25°49' 25	26°31' 26	0°48' 0	6°27' 6	18°03' 18	20°04' 04	18°51' 51	0°35' 35	0°33' 33	1°25' 25	24°26' 26	n.a.		
T 21	16 46 53	10°54'04	28°59' 28	25°25' 25	27°45' 27	1°27' 1	6°40' 6	18°02' 18	20°04' 04	18°53' 53	0°36' 36	0°30' 30	1°22' 22	24°33' 33	n.a.		
F 22	16 50 49	11°51'33	12°11' 53	24°56' 24	28°59' 28	2°05' 2	6°53' 6	18°00' 18	20°03' 03	18°55' 55	0°38' 38	0°29' 29	1°18' 18	24°39' 39	n.a.		
S 23	16 54 46	12°49'04	26°29' 26	24°23' 24	0°13' 1	2°43' 2	7°07' 7	17°58' 17	20°03' 03	18°57' 57	0°39' 39	0°D28	1°15' 15	24°46' 46	n.a.		
S 24	16 58 42	13°46'35	9°45' 9	23°45' 23	1°27' 1	3°21' 3	7°20' 7	17°57' 17	20°02' 02	18°58' 58	0°41' 41	0°28' 28	1°12' 12	24°53' 53	n.a.		
M 25	17 02 39	14°44'08	22°41' 22	23°04' 23	2°40' 2	3°59' 3	7°33' 7	17°55' 17	20°02' 02	19°00' 19	0°43' 43	0°29' 29	1°09' 09	24°59' 59	n.a.		
T 26	17 06 36	15°41'42	5°18' 5	22°19' 22	3°54' 3	4°37' 4	7										

SWISS EPHEMERIS for the year 2020 BCE

JULY 2020 BCE (-2019) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	17 26 18	20II29°50	5♁31	18°R16	10♁ 3	7♁49	8II52	17°R48	19°R57	19♁12	0II52	0°R33	0♁50	25♁40	n.a.
M 2	17 30 15	21°27'31	17°30	17II30	11°17	8°27	9° 6	17♁48	19♁56	19°14	0°54	0♁32	0°47	25°47	n.a.
T 3	17 34 11	22°25'13	29°37	16°46	12°31	9° 6	9°19	17°47	19°55	19°16	0°55	0°31	0°43	25°53	n.a.
W 4	17 38 8	23°22'57	11III57	16° 7	13°45	9°44	9°32	17°46	19°54	19°18	0°57	0°30	0°40	26° 0	n.a.
T 5	17 42 5	24°20'43	24°33	15°32	14°58	10°23	9°45	17°46	19°53	19°20	0°58	0°29	0°37	26° 7	n.a.
F 6	17 46 1	25°18'30	7♁25	15° 3	16°12	11° 1	9°58	17°45	19°52	19°22	1° 0	0°29	0°34	26°13	n.a.
S 7	17 49 58	26°16'18	20°34	14°40	17°26	11°40	10°11	17°45	19°51	19°24	1° 1	0°28	0°31	26°20	n.a.
S 8	17 53 54	27°14'09	4♁ 1	14°24	18°40	12°19	10°24	17°45	19°50	19°26	1° 3	0°D28	0°28	26°27	n.a.
M 9	17 57 51	28°12'01	17°43	14°15	19°54	12°57	10°37	17°45	19°49	19°29	1° 4	0°28	0°24	26°34	n.a.
T 10	18 1 47	29° 9'54	1♁38	14°D13	21° 7	13°36	10°50	17°D44	19°47	19°31	1° 6	0°28	0°21	26°40	n.a.
W11	18 5 44	0♁ 7'50	15°43	14°20	22°21	14°14	11° 3	17°45	19°46	19°33	1° 7	0°R29	0°18	26°47	n.a.
T 12	18 9 41	1° 5'48	29°55	14°34	23°35	14°53	11°16	17°45	19°45	19°35	1° 9	0°29	0°15	26°54	n.a.
F 13	18 13 37	2° 3'47	14♁10	14°57	24°48	15°32	11°29	17°45	19°43	19°37	1°10	0°28	0°12	27° 0	n.a.
S 14	18 17 34	3° 1'49	28°26	15°27	26° 2	16°11	11°41	17°45	19°42	19°39	1°12	0°D28	0° 8	27° 7	n.a.
S 15	18 21 30	3°59'53	12♁39	16° 5	27°16	16°50	11°54	17°46	19°40	19°41	1°13	0°28	0° 5	27°14	n.a.
M16	18 25 27	4°57'59	26°47	16°51	28°30	17°28	12° 7	17°46	19°39	19°44	1°14	0°29	0° 2	27°21	n.a.
T 17	18 29 23	5°56'07	10♁48	17°45	29°43	18° 7	12°20	17°47	19°37	19°46	1°16	0°29	29II59	27°27	n.a.
W18	18 33 20	6°54'18	24°40	18°45	0♁57	18°46	12°32	17°47	19°36	19°48	1°17	0°30	29°56	27°34	n.a.
T 19	18 37 16	7°52'31	8II21	19°53	2°11	19°25	12°45	17°48	19°34	19°50	1°18	0°30	29°53	27°41	n.a.
F 20	18 41 13	8°50'45	21°50	21° 6	3°25	20° 4	12°57	17°49	19°33	19°52	1°20	0°31	29°49	27°48	n.a.
S 21	18 45 10	9°49'02	5♁ 5	22°26	4°38	20°43	13°10	17°50	19°31	19°55	1°21	0°R31	29°46	27°54	n.a.
S 22	18 49 6	10°47'21	18° 4	23°51	5°52	21°22	13°23	17°51	19°29	19°57	1°23	0°30	29°43	28° 1	n.a.
M23	18 53 3	11°45'42	0♁49	25°21	7° 6	22° 1	13°35	17°53	19°27	19°59	1°24	0°29	29°40	28° 8	n.a.
T 24	18 56 59	12°44'04	13°19	26°56	8°19	22°40	13°47	17°54	19°26	20° 1	1°25	0°28	29°37	28°14	n.a.
W25	19 0 56	13°42'29	25°35	28°34	9°33	23°20	14° 0	17°55	19°24	20° 3	1°26	0°26	29°34	28°21	n.a.
T 26	19 4 52	14°40'55	7♁41	0♁16	10°47	23°59	14°12	17°57	19°22	20° 6	1°28	0°24	29°30	28°28	n.a.
F 27	19 8 49	15°39'23	19°39	2° 1	12° 0	24°38	14°24	17°58	19°20	20° 8	1°29	0°22	29°27	28°35	n.a.
S 28	19 12 45	16°37'53	1♁32	3°48	13°14	25°17	14°37	18° 0	19°18	20°10	1°30	0°21	29°24	28°41	n.a.
S 29	19 16 42	17°36'25	13°25	5°36	14°27	25°57	14°49	18° 2	19°16	20°12	1°31	0°D20	29°21	28°48	n.a.
M30	19 20 39	18°34'58	25°22	7°27	15°41	26°36	15° 1	18° 4	19°14	20°15	1°33	0°20	29°18	28°55	n.a.
T 31	19 24 35	19♁33'34	7III29	9♁18	16♁55	27♁15	15III13	18♁ 6	19♁12	20♁17	1III34	0♁21	29III14	29III 2	n.a.

Delta T = 13h35m12s Julian Calendar 1 July 2020 BCE == Greg. Calendar 14 June 2020 BCE
 The year -2019 astronomical counting style corresponds to year 2020 B.C.E historical counting style.

AUGUST 2020 BCE (-2019) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
W 1	19 28 32	20♁32'11	19III49	11♁11	18♁ 8	27♁55	15II25	18♁ 8	19°R10	20♁19	1II35	0♁22	29II11	29III 8	n.a.
T 2	19 32 28	21°30'50	2♁27	13° 4	19°22	28°34	15°37	18°10	19♁ 8	20°21	1°36	0°24	29° 8	29°15	n.a.
F 3	19 36 25	22°29'31	15°26	14°57	20°35	29°14	15°49	18°12	19° 6	20°23	1°37	0°25	29° 5	29°22	n.a.
S 4	19 40 21	23°28'14	28°48	16°50	21°49	29°53	16° 0	18°14	19° 4	20°26	1°38	0°R26	29° 2	29°28	n.a.
S 5	19 44 18	24°27'00	12♁32	18°43	23° 2	0♁33	16°12	18°17	19° 2	20°28	1°39	0°25	28°59	29°35	n.a.
M 6	19 48 14	25°25'47	26°38	20°35	24°16	1°12	16°24	18°19	19° 0	20°30	1°40	0°24	28°55	29°42	n.a.
T 7	19 52 11	26°24'36	11♁ 1	22°27	25°29	1°52	16°36	18°22	18°57	20°32	1°41	0°21	28°52	29°49	n.a.
W 8	19 56 8	27°23'28	25°35	24°19	26°42	2°31	16°47	18°24	18°55	20°35	1°42	0°17	28°49	29°55	n.a.
T 9	20 0 4	28°22'22	10♁14	26° 9	27°56	3°11	16°59	18°27	18°53	20°37	1°43	0°13	28°46	0♁ 2	n.a.
F 10	20 4 1	29°21'18	24°51	28° 0	29° 9	3°51	17°10	18°30	18°51	20°39	1°44	0°10	28°43	0° 9	n.a.
S 11	20 7 57	0♁20'17	9♁20	29°49	0♁23	4°31	17°21	18°33	18°49	20°41	1°45	0° 7	28°39	0°16	n.a.
S 12	20 11 54	1°19'18	23°37	1♁37	1°36	5°10	17°33	18°36	18°46	20°43	1°46	0° 5	28°36	0°22	n.a.
M13	20 15 50	2°18'22	7♁40	3°25	2°49	5°50	17°44	18°39	18°44	20°46	1°47	0°D 5	28°33	0°29	n.a.
T 14	20 19 47	3°17'28	21°27	5°12	4° 3	6°30	17°55	18°42	18°42	20°48	1°48	0° 6	28°30	0°36	n.a.
W15	20 23 43	4°16'37	4II59	6°58	5°16	7°10	18° 6	18°46	18°39	20°50	1°49	0° 8	28°27	0°42	n.a.
T 16	20 27 40	5°15'49	18°16	8°43	6°29	7°50	18°17	18°49	18°37	20°52	1°50	0° 9	28°24	0°49	n.a.
F 17	20 31 37	6°15'03	1♁21	10°27	7°42	8°30	18°28	18°52	18°35	20°54	1°51	0°R10	28°20	0°56	n.a.
S 18	20 35 33	7°14'19	14°13	12°10	8°56	9°10	18°38	18°56	18°32	20°57	1°52	0° 9	28°17	1° 3	n.a.
S 19	20 39 30	8°13'38	26°53	13°52	10° 9	9°50	18°49	19° 0	18°30	20°59	1°52	0° 6	28°14	1° 9	n.a.
M20	20 43 26	9°12'59	9♁22	15°34	11°22	10°30	19° 0	19° 3	18°27	21° 1	1°53	0° 1	28°11	1°16	n.a.
T 21	20 47 23	10°12'22	21°41	17°15	12°35	11°10	19°10	19° 7	18°25	21° 3	1°54	29II55	28° 8	1°23	n.a.
W22	20 51 19	11°11'47	3III51	18°55	13°48	11°51	19°21	19°11	18°23	21° 5	1°55	29°47	28° 5	1°30	n.a.
T 23	20 55 16	12°11'14	15°53	20°34	15° 2	12°31	19°31	19°15	18°20	21° 7	1°55	29°39	28° 1	1°36	n.a.
F 24	20 59 12	13°10'43	27°48	22°12	16°15	13°11	19°41	19°19	18°18	21° 9	1°56	29°31	27°58	1°43	n.a.
S 25	21 3 9	14°10'15	9♁39	23°50	17°28	13°52	19°51	19°23	18°15	21°11	1°57	29°24	27°55	1°50	n.a.
S 26	21 7 6	15° 9'48	21°30	25°26	18°41	14°32	20° 1	19°27	18°13	21°14	1°57	29°19	27°52	1°56	n.a.
M27	21 11 2	16° 9'23	3III25	27° 2	19°54	15°12	20°11	19°31	18°10	21°16	1°58	29°16	27°49	2° 3	n.a.
T 28	21 14 59	17° 9'00	15°28	28°38	21° 7	15°53	20°21	19°36	18° 8	21°18	1°59	29°D15	27°45	2°10	n.a.
W29	21 18 55	18° 8'40	27°44	0♁12	22°20	16°33	20°31	19°40	18° 6	21°20	1°59	29°16	27°42	2°17	n.a.
T 30	21 22 52	19° 8'21	10♁18	1°46	23°33	17°14	20°41	19°45	18° 3	21°22	2° 0	29°17	27°39	2°23	n.a.
F 31	21 26 48	20♁ 8'04	23♁15	3III20	24III46	17♁54	20II50	19♁49	18♁ 1	21♁24	2II 0	29°R18	27II36	2♁30	n.a.

Delta T = 13h35m10s Julian Calendar created from Swiss Ephemeris, Copyright AstroDienst AG [6.2.2007]

SWISS EPHEMERIS for the year 2020 BCE

SEPTEMBER 2020 BCE (-2019) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	21 30 45	21♌ 7'49	6♃39	4♎52	25♎58	18♌35	21♐ 0	19♌54	17°R58	21♎26	2♐ 1	29°R18	27♐33	2♌37	n.a.		
S 2	21 34 41	22° 7'36	20°30	6°24	27°11	19°15	21° 9	19°58	17°56	21°28	2° 1	29°R16	27°30	2°43	n.a.		
M 3	21 38 38	23° 7'25	4♌48	7°55	28°24	19°56	21°18	20° 3	17°53	21°30	2° 2	29°12	27°26	2°50	n.a.		
T 4	21 42 35	24° 7'16	19°30	9°26	29°37	20°37	21°27	20° 8	17°51	21°32	2° 2	29° 5	27°23	2°57	n.a.		
W 5	21 46 31	25° 7'09	4♌28	10°56	0♌50	21°18	21°36	20°13	17°49	21°34	2° 2	28°57	27°20	3° 4	n.a.		
T 6	21 50 28	26° 7'04	19°34	12°25	2° 2	21°58	21°45	20°18	17°46	21°36	2° 3	28°48	27°17	3°10	n.a.		
F 7	21 54 24	27° 7'01	4♃36	13°53	3°15	22°39	21°54	20°23	17°44	21°37	2° 3	28°39	27°14	3°17	n.a.		
S 8	21 58 21	28° 7'01	19°27	15°21	4°27	23°20	22° 2	20°28	17°41	21°39	2° 3	28°32	27°11	3°24	n.a.		
S 9	22 2 17	29° 7'03	3♌59	16°48	5°40	24° 1	22°11	20°33	17°39	21°41	2° 4	28°27	27° 7	3°31	n.a.		
M10	22 6 14	0♎ 7'07	18° 8	18°15	6°53	24°42	22°19	20°38	17°37	21°43	2° 4	28°25	27° 4	3°37	n.a.		
T11	22 10 10	1° 7'14	1♐54	19°41	8° 5	25°23	22°27	20°44	17°34	21°45	2° 4	28°D24	27° 1	3°44	n.a.		
W12	22 14 7	2° 7'23	15°18	21° 6	9°18	26° 4	22°35	20°49	17°32	21°47	2° 4	28°24	26°58	3°51	n.a.		
T13	22 18 4	3° 7'35	28°22	22°30	10°30	26°45	22°43	20°54	17°30	21°48	2° 5	28°R25	26°55	3°57	n.a.		
F14	22 22 0	4° 7'48	11♌10	23°53	11°42	27°26	22°51	21° 0	17°27	21°50	2° 5	28°24	26°51	4° 4	n.a.		
S15	22 25 57	5° 8'04	23°44	25°16	12°55	28° 7	22°59	21° 5	17°25	21°52	2° 5	28°21	26°48	4°11	n.a.		
S16	22 29 53	6° 8'22	6♌ 7	26°38	14° 7	28°49	23° 7	21°11	17°23	21°54	2° 5	28°15	26°45	4°18	n.a.		
M17	22 33 50	7° 8'43	18°22	27°58	15°19	29°30	23°14	21°16	17°20	21°55	2° 5	28° 7	26°42	4°24	n.a.		
T18	22 37 46	8° 9'05	0♎29	29°18	16°32	0♎11	23°21	21°22	17°18	21°57	2° 5	27°55	26°39	4°31	n.a.		
W19	22 41 43	9° 9'29	12°31	0♌36	17°44	0°52	23°29	21°28	17°16	21°59	2° 5	27°42	26°36	4°38	n.a.		
T20	22 45 39	10° 9'54	24°27	1°53	18°56	1°34	23°36	21°34	17°14	22° 0	2°R 5	27°28	26°32	4°45	n.a.		
F21	22 49 36	11°10'22	6♌20	3° 8	20° 8	2°15	23°42	21°39	17°12	22° 2	2° 5	27°14	26°29	4°51	n.a.		
S22	22 53 33	12°10'51	18°10	4°22	21°20	2°57	23°49	21°45	17° 9	22° 4	2° 5	27° 2	26°26	4°58	n.a.		
S23	22 57 29	13°11'22	0♎ 1	5°35	22°32	3°38	23°56	21°51	17° 7	22° 5	2° 5	26°52	26°23	5° 5	n.a.		
M24	23 1 26	14°11'55	11°55	6°45	23°44	4°20	24° 2	21°57	17° 5	22° 7	2° 5	26°45	26°20	5°11	n.a.		
T25	23 5 22	15°12'29	23°56	7°53	24°56	5° 1	24° 8	22° 3	17° 3	22° 8	2° 5	26°41	26°16	5°18	n.a.		
W26	23 9 19	16°13'05	6♌ 8	8°58	26° 8	5°43	24°15	22° 9	17° 1	22°10	2° 5	26°39	26°13	5°25	n.a.		
T27	23 13 15	17°13'42	18°36	10° 1	27°20	6°25	24°20	22°15	16°59	22°11	2° 5	26°D39	26°10	5°32	n.a.		
F28	23 17 12	18°14'21	1♃26	11° 0	28°31	7° 6	24°26	22°22	16°57	22°13	2° 4	26°R39	26° 7	5°38	n.a.		
S29	23 21 8	19°15'01	14°42	11°56	29°43	7°48	24°32	22°28	16°55	22°14	2° 4	26°38	26° 4	5°45	n.a.		
S30	23 25 5	20♎15'43	28♃28	12♌48	0♎54	8♎30	24♐37	22♌34	16♌53	22♎15	2♐ 4	26♐35	26♐ 1	5♌52	n.a.		

Delta T = 13h35m08s Julian Calendar 1 Sept. 2020 BCE == Greg. Calendar 15 Aug. 2020 BCE
 The year -2019 astronomical counting style corresponds to year 2020 B.C.E historical counting style.

OCTOBER 2020 BCE (-2019) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
M 1	23 29 2	21♎16'25	12♌43	13♌36	2♎ 6	9♎12	24♐43	22♌40	16°R51	22♎17	2°R 4	26°R29	25♐57	5♌58	n.a.		
T 2	23 32 58	22°17'09	27°28	14°18	3°17	9°54	24°48	22°47	16°49	22°18	2♐ 3	26°R21	25°54	6° 5	n.a.		
W 3	23 36 55	23°17'55	12♌34	14°55	4°29	10°36	24°53	22°53	16°48	22°19	2° 3	26°10	25°51	6°12	n.a.		
T 4	23 40 51	24°18'42	27°54	15°26	5°40	11°18	24°58	22°59	16°46	22°21	2° 3	25°59	25°48	6°19	n.a.		
F 5	23 44 48	25°19'30	13♃14	15°49	6°51	12° 0	25° 2	23° 6	16°44	22°22	2° 2	25°47	25°45	6°25	n.a.		
S 6	23 48 44	26°20'20	28°24	16° 5	8° 3	12°42	25° 7	23°12	16°42	22°23	2° 2	25°38	25°42	6°32	n.a.		
S 7	23 52 41	27°21'12	13♌15	16°R12	9°14	13°24	25°11	23°19	16°41	22°24	2° 1	25°30	25°38	6°39	n.a.		
M 8	23 56 37	28°22'05	27°39	16°10	10°25	14° 6	25°15	23°25	16°39	22°25	2° 1	25°26	25°35	6°46	n.a.		
T 9	0 0 34	29°23'00	11♐34	15°58	11°36	14°48	25°19	23°32	16°37	22°27	2° 0	25°24	25°32	6°52	n.a.		
W10	0 4 30	0♌23'57	25° 2	15°35	12°46	15°30	25°23	23°38	16°36	22°28	2° 0	25°24	25°29	6°59	n.a.		
T11	0 8 27	1°24'55	8♌ 6	15° 2	13°57	16°12	25°27	23°45	16°34	22°29	1°59	25°23	25°26	7° 6	n.a.		
F12	0 12 24	2°25'55	20°48	14°18	15° 8	16°55	25°30	23°52	16°33	22°30	1°59	25°22	25°22	7°12	n.a.		
S13	0 16 20	3°26'56	3♌14	13°23	16°18	17°37	25°33	23°58	16°31	22°31	1°58	25°19	25°19	7°19	n.a.		
S14	0 20 17	4°27'59	15°27	12°19	17°29	18°20	25°36	24° 5	16°30	22°32	1°58	25°13	25°16	7°26	n.a.		
M15	0 24 13	5°29'03	27°31	11° 8	18°39	19° 2	25°39	24°12	16°28	22°33	1°57	25° 4	25°13	7°33	n.a.		
T16	0 28 10	6°30'08	9♎30	9°50	19°50	19°44	25°42	24°19	16°27	22°34	1°56	24°52	25°10	7°39	n.a.		
W17	0 32 6	7°31'15	21°25	8°28	21° 0	20°27	25°44	24°25	16°26	22°34	1°56	24°39	25° 7	7°46	n.a.		
T18	0 36 3	8°32'22	3♌17	7° 5	22°10	21°10	25°47	24°32	16°25	22°35	1°55	24°24	25° 3	7°53	n.a.		
F19	0 39 59	9°33'31	15° 9	5°45	23°20	21°52	25°49	24°39	16°23	22°36	1°54	24° 9	25° 0	7°59	n.a.		
S20	0 43 56	10°34'41	27° 1	4°29	24°30	22°35	25°51	24°46	16°22	22°37	1°54	23°56	24°57	8° 6	n.a.		
S21	0 47 53	11°35'51	8♎56	3°19	25°40	23°18	25°52	24°53	16°21	22°38	1°53	23°46	24°54	8°13	n.a.		
M22	0 51 49	12°37'03	20°54	2°19	26°49	24° 0	25°54	25° 0	16°20	22°38	1°52	23°38	24°51	8°20	n.a.		
T23	0 55 46	13°38'15	2♌58	1°29	27°59	24°43	25°55	25° 7	16°19	22°39	1°51	23°33	24°48	8°26	n.a.		
W24	0 59 42	14°39'27	15°12	0°50	29° 8	25°26	25°56	25°13	16°18	22°40	1°51	23°31	24°44	8°33	n.a.		
T25	1 3 39	15°40'41	27°40	0°22	0♌18	26° 9	25°57	25°20	16°17	22°40	1°50	23°D31	24°41	8°40	n.a.		
F26	1 7 35	16°41'55	10♃26	0° 5	1°27	26°52	25°58	25°27	16°16	22°41	1°49	23°R31	24°38	8°46	n.a.		
S27	1 11 32	17°43'09	23°34	0°D 0	2°36	27°35	25°59	25°34	16°15	22°41	1°48	23°31	24°35	8°53	n.a.		
S28	1 15 28	18°44'24	7♌ 9	0° 4	3°45	28°17	25°59	25°41	16°15	22°42	1°47	23°30	24°32	9° 0	n.a.		
M29	1 19 25	19°45'39	21°12	0°19	4°54	29° 1	25°R59	25°48	16°14	22°42	1°46	23°26	24°28	9° 7	n.a.		
T30	1 23 22	20°46'54	5♌43	0°41	6° 2	29°44	25°59	25°55	16°13	22°43	1°45	23°20	24°25	9°13	n.a.		
W31	1 27 18	21♌48'09	20♌38	1♌12	7♌11	0♌27	25♐59	26♌ 2	16♌13	22♎43	1♐44	23♐11	24♐22	9♌20	n.a.		

Delta T = 13h35m06s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [6.2.2007]

SWISS EPHEMERIS for the year 2020 BCE

NOVEMBER 2020 BCE (-2019) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
T 1	1 31 15	22 ^h 49 ^m 25 ^s	5 ^h Y51	1 ^h 50	8 ^h 19	1 ^h 10	25°R58	26 ^h 9	16°R12	22 ^h 544	1°R43	23°R 2	24 ^h II19	9 ^h 27	n.a.
F 2	1 35 11	23°50'41	21°11	2°34	9°27	1°53	25 ^h II58	26°16	16 ^h 12	22°44	1 ^h II42	22 ^h II52	24°16	9°34	n.a.
S 3	1 39 8	24°51'58	6 ^h 26	3°23	10°35	2°36	25°57	26°23	16°11	22°44	1°41	22°44	24°13	9°40	n.a.
S 4	1 43 4	25°53'15	21°26	4°18	11°42	3°19	25°56	26°30	16°11	22°44	1°40	22°38	24° 9	9°47	n.a.
M 5	1 47 1	26°54'33	6 ^h II 3	5°16	12°50	4° 3	25°55	26°37	16°10	22°45	1°39	22°34	24° 6	9°54	n.a.
T 6	1 50 57	27°55'51	20°11	6°19	13°57	4°46	25°53	26°44	16°10	22°45	1°38	22°D33	24° 3	10° 0	n.a.
W 7	1 54 54	28°57'10	3 ^h 50	7°25	15° 4	5°29	25°52	26°51	16°10	22°45	1°37	22°33	24° 0	10° 7	n.a.
T 8	1 58 51	29°58'29	17° 1	8°33	16°11	6°13	25°50	26°58	16° 9	22°45	1°36	22°35	23°57	10°14	n.a.
F 9	2 2 47	0 ^h ML59'49	29°48	9°45	17°18	6°56	25°48	27° 5	16° 9	22°45	1°35	22°R35	23°53	10°21	n.a.
S 10	2 6 44	2° 1'09	12 ^h II15	10°58	18°25	7°40	25°46	27°12	16° 9	22°45	1°34	22°35	23°50	10°27	n.a.
S 11	2 10 40	3° 2'30	24°27	12°14	19°31	8°23	25°43	27°19	16° 9	22°R45	1°33	22°32	23°47	10°34	n.a.
M12	2 14 37	4° 3'50	6 ^h II27	13°31	20°37	9° 7	25°41	27°26	16°D 9	22°45	1°32	22°27	23°44	10°41	n.a.
T 13	2 18 33	5° 5'11	18°22	14°50	21°43	9°51	25°38	27°33	16° 9	22°45	1°31	22°20	23°41	10°47	n.a.
W14	2 22 30	6° 6'33	0 ^h II13	16°10	22°48	10°34	25°35	27°40	16° 9	22°45	1°29	22°12	23°38	10°54	n.a.
T 15	2 26 26	7° 7'54	12° 4	17°31	23°54	11°18	25°32	27°47	16° 9	22°45	1°28	22° 2	23°34	11° 1	n.a.
F 16	2 30 23	8° 9'15	23°57	18°54	24°59	12° 2	25°29	27°54	16°10	22°45	1°27	21°53	23°31	11° 8	n.a.
S 17	2 34 20	9°10'36	5 ^h ML54	20°17	26° 3	12°45	25°25	28° 1	16°10	22°45	1°26	21°45	23°28	11°14	n.a.
S 18	2 38 16	10°11'57	17°55	21°42	27° 8	13°29	25°21	28° 8	16°10	22°45	1°25	21°38	23°25	11°21	n.a.
M19	2 42 13	11°13'18	0 ^h 1 3	23° 7	28°12	14°13	25°18	28°15	16°10	22°44	1°23	21°34	23°22	11°28	n.a.
T 20	2 46 9	12°14'39	12°19	24°33	29°16	14°57	25°13	28°21	16°11	22°44	1°22	21°31	23°19	11°34	n.a.
W21	2 50 6	13°15'59	24°45	26° 0	0 ^h II19	15°41	25° 9	28°28	16°11	22°44	1°21	21°D31	23°15	11°41	n.a.
T 22	2 54 2	14°17'19	7 ^h 22	27°27	1°23	16°25	25° 5	28°35	16°12	22°43	1°20	21°32	23°12	11°48	n.a.
F 23	2 57 59	15°18'37	20°14	28°55	2°26	17° 9	25° 0	28°42	16°12	22°43	1°18	21°34	23° 9	11°55	n.a.
S 24	3 1 55	16°19'56	3 ^h 24	0 ^h ML23	3°28	17°53	24°56	28°49	16°13	22°43	1°17	21°35	23° 6	12° 1	n.a.
S 25	3 5 52	17°21'13	16°54	1°52	4°30	18°37	24°51	28°56	16°14	22°42	1°16	21°R36	23° 3	12° 8	n.a.
M26	3 9 49	18°22'30	0 ^h 145	3°22	5°32	19°21	24°46	29° 2	16°14	22°42	1°15	21°35	22°59	12°15	n.a.
T 27	3 13 45	19°23'45	14°59	4°52	6°33	20° 5	24°40	29° 9	16°15	22°41	1°13	21°33	22°56	12°21	n.a.
W28	3 17 42	20°25'00	29°33	6°23	7°34	20°49	24°35	29°16	16°16	22°41	1°12	21°29	22°53	12°28	n.a.
T 29	3 21 38	21°26'14	14°Y23	7°54	8°35	21°34	24°29	29°22	16°17	22°40	1°11	21°25	22°50	12°35	n.a.
F 30	3 25 35	22 ^h ML27'27	29°Y23	9 ^h ML25	9 ^h 35	22 ^h II18	24 ^h II24	29 ^h II29	16 ^h 18	22 ^h 39	1 ^h II 9	21 ^h II21	22 ^h II47	12 ^h II42	n.a.

Delta T = 13h35m04s Julian Calendar 1 Nov. 2020 BCE == Greg. Calendar 15 Oct. 2020 BCE
 The year -2019 astronomical counting style corresponds to year 2020 B.C.E historical counting style.

DECEMBER 2020 BCE (-2019) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
S 1	3 29 31	23 ^h ML28'39	14 ^h 22	10 ^h ML57	10 ^h 35	23 ^h 2	24°R18	29 ^h 36	16 ^h 19	22°R39	1°R 8	21°R17	22 ^h II44	12 ^h 48	n.a.
S 2	3 33 28	24°29'50	29°13	12°30	11°34	23°47	24 ^h II12	29°42	16°20	22 ^h 38	1 ^h II 7	21 ^h II14	22°40	12°55	n.a.
M 3	3 37 24	25°31'01	13 ^h II48	14° 3	12°32	24°31	24° 6	29°49	16°21	22°37	1° 6	21°13	22°37	13° 2	n.a.
T 4	3 41 21	26°32'11	28° 0	15°37	13°31	25°15	23°59	29°55	16°22	22°37	1° 4	21°D13	22°34	13° 9	n.a.
W 5	3 45 18	27°33'21	11 ^h 246	17°11	14°28	26° 0	23°53	0 ^h ML 2	16°23	22°36	1° 3	21°14	22°31	13°15	n.a.
T 6	3 49 14	28°34'29	25° 6	18°45	15°25	26°44	23°47	0° 8	16°24	22°35	1° 2	21°15	22°28	13°22	n.a.
F 7	3 53 11	29°35'37	8 ^h 1	20°21	16°22	27°29	23°40	0°15	16°26	22°34	1° 0	21°17	22°25	13°29	n.a.
S 8	3 57 7	0 ^h 136'44	20°34	21°57	17°18	28°13	23°33	0°21	16°27	22°33	0°59	21°18	22°21	13°35	n.a.
S 9	4 1 4	1°37'50	2 ^h ML50	23°33	18°13	28°58	23°26	0°28	16°28	22°32	0°58	21°R18	22°18	13°42	n.a.
M10	4 5 0	2°38'56	14°53	25°10	19° 7	29°42	23°19	0°34	16°30	22°32	0°56	21°18	22°15	13°49	n.a.
T 11	4 8 57	3°40'00	26°48	26°48	20° 1	0 ^h ML27	23°12	0°40	16°31	22°31	0°55	21°16	22°12	13°56	n.a.
W12	4 12 53	4°41'04	8 ^h 39	28°26	20°55	1°12	23° 5	0°46	16°33	22°30	0°54	21°14	22° 9	14° 2	n.a.
T 13	4 16 50	5°42'07	20°30	0 ^h 1 5	21°47	1°56	22°58	0°52	16°34	22°29	0°52	21°12	22° 5	14° 9	n.a.
F 14	4 20 47	6°43'09	2 ^h ML25	1°44	22°39	2°41	22°51	0°59	16°36	22°28	0°51	21° 9	22° 2	14°16	n.a.
S 15	4 24 43	7°44'09	14°27	3°24	23°30	3°26	22°43	1° 5	16°37	22°27	0°50	21° 7	21°59	14°22	n.a.
S 16	4 28 40	8°45'09	26°37	5° 5	24°21	4°11	22°36	1°11	16°39	22°26	0°48	21° 5	21°56	14°29	n.a.
M17	4 32 36	9°46'07	8 ^h 158	6°47	25°10	4°55	22°28	1°17	16°41	22°24	0°47	21° 4	21°53	14°36	n.a.
T 18	4 36 33	10°47'05	21°31	8°29	25°59	5°40	22°20	1°23	16°43	22°23	0°46	21°D 4	21°50	14°43	n.a.
W19	4 40 29	11°48'00	4 ^h 15	10°12	26°46	6°25	22°13	1°29	16°44	22°22	0°45	21° 4	21°46	14°49	n.a.
T 20	4 44 26	12°48'54	17°13	11°56	27°33	7°10	22° 5	1°35	16°46	22°21	0°43	21° 5	21°43	14°56	n.a.
F 21	4 48 22	13°49'47	0 ^h 24	13°40	28°19	7°55	21°57	1°40	16°48	22°20	0°42	21° 6	21°40	15° 3	n.a.
S 22	4 52 19	14°50'38	13°48	15°26	29° 4	8°40	21°49	1°46	16°50	22°19	0°41	21° 7	21°37	15° 9	n.a.
S 23	4 56 16	15°51'27	27°26	17°11	29°47	9°25	21°42	1°52	16°52	22°17	0°39	21° 7	21°34	15°16	n.a.
M24	5 0 12	16°52'14	11 ^h 18	18°58	0 ^h 30	10°10	21°34	1°57	16°54	22°16	0°38	21°R 7	21°31	15°23	n.a.
T 25	5 4 9	17°52'59	25°23	20°45	1°12	10°55	21°26	2° 3	16°56	22°15	0°37	21° 7	21°27	15°30	n.a.
W26	5 8 5	18°53'43	9 ^h Y39	22°33	1°52	11°40	21°18	2° 9	16°58	22°13	0°36	21° 7	21°24	15°36	n.a.
T 27	5 12 2	19°54'24	24° 5	24°22	2°31	12°25	21°10	2°14	17° 1	22°12	0°34	21° 7	21°21	15°43	n.a.
F 28	5 15 58	20°55'04	8 ^h 35	26°11	3° 9	13°10	21° 2	2°19	17° 3	22°11	0°33	21°D 7	21°18	15°50	n.a.
S 29	5 19 55	21°55'41	23° 7	28° 0	3°45	13°55	20°54	2°25	17° 5	22° 9	0°32	21° 7	21°15	15°56	n.a.
S 30	5 23 51	22°56'17	7 ^h II33	29°50	4°20	14°41	20°46	2°30	17° 7	22° 8	0°31	21° 7	21°11	16° 3	n.a.
M31	5 27 48	23 ^h 156'52	21 ^h II48	1 ^h 341	4 ^h 54	15 ^h ML26	20 ^h II38	2 ^h ML35	17 ^h 10	22 ^h 7	0 ^h II29	21 ^h R 7	21 ^h II 8	16 ^h 10	n.a.

Delta T = 13h35m01s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [6.2.2007]