

SWISS EPHEMERIS for the year 2022

JANUARY 2022

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	6 42 30	10°31'44	15°29	28°31	23°R18	13°26	0°33	11°54	10°R57	20°40	25°56	1°R13	29°32	18°28	8°30
S 2	6 46 27	11°32'55	0°37	29°35	22°348	13°49	0°45	12° 1	10°56	20°41	25°58	1°110	29°29	18°34	8°31
M 3	6 50 23	12°34'06	15°46	0°57	22°16	14°31	0°56	12° 7	10°55	20°42	26° 0	1° 5	29°25	18°41	8°32
T 4	6 54 20	13°35'17	0°47	2°16	21°43	15°14	1° 8	12°14	10°55	20°43	26° 2	0°59	29°22	18°48	8°33
W 5	6 58 17	14°36'28	15°31	3°32	21° 9	15°57	1°20	12°20	10°54	20°45	26° 4	0°52	29°19	18°54	8°34
T 6	7 2 13	15°37'38	29°50	4°43	20°34	16°40	1°33	12°27	10°53	20°46	26° 6	0°45	29°16	19° 1	8°34
F 7	7 6 10	16°38'49	13°41	5°50	19°58	17°23	1°45	12°34	10°53	20°47	26° 8	0°39	29°13	19° 8	8°35
S 8	7 10 6	17°39'58	27° 3	6°52	19°21	18° 5	1°57	12°41	10°52	20°48	26°10	0°34	29°10	19°14	8°36
S 9	7 14 3	18°41'07	9°57	7°47	18°44	18°48	2° 9	12°47	10°52	20°49	26°12	0°32	29° 6	19°21	8°38
M10	7 17 59	19°42'16	22°57	8°35	18° 8	19°31	2°22	12°54	10°51	20°51	26°14	0°D32	29° 3	19°28	8°39
T11	7 21 56	20°43'25	4°39	9°15	17°31	20°14	2°34	13° 1	10°51	20°52	26°16	0°33	29° 0	19°34	8°40
W12	7 25 52	21°44'32	16°38	9°46	16°55	20°57	2°47	13° 8	10°50	20°53	26°18	0°34	28°57	19°41	8°41
T13	7 29 49	22°45'40	28°28	10° 8	16°20	21°40	3° 0	13°15	10°50	20°55	26°20	0°R35	28°54	19°47	8°42
F14	7 33 46	23°46'46	10°14	10°R19	15°46	22°24	3°12	13°22	10°50	20°56	26°22	0°34	28°51	19°54	8°44
S15	7 37 42	24°47'53	22° 1	10°19	15°13	23° 7	3°25	13°28	10°49	20°58	26°24	0°32	28°47	20° 1	8°45
S16	7 41 39	25°48'58	3°52	10° 7	14°41	23°50	3°38	13°35	10°49	20°59	26°26	0°26	28°44	20° 7	8°47
M17	7 45 35	26°50'03	15°50	9°43	14°11	24°33	3°51	13°42	10°49	21° 1	26°28	0°19	28°41	20°14	8°48
T18	7 49 32	27°51'08	27°57	9° 8	13°43	25°16	4° 4	13°49	10°49	21° 2	26°29	0° 9	28°38	20°21	8°50
W19	7 53 28	28°52'12	10°12	8°22	13°17	26° 0	4°17	13°56	10°D49	21° 4	26°31	29°57	28°35	20°27	8°51
T20	7 57 25	29°53'15	22°39	7°26	12°53	26°43	4°30	14° 3	10°49	21° 5	26°33	29°46	28°31	20°34	8°53
F21	8 1 22	0°54'18	5°16	6°22	12°31	27°26	4°44	14°11	10°49	21° 7	26°35	29°35	28°28	20°41	8°54
S22	8 5 18	1°55'21	18° 4	5°11	12°12	28°10	4°57	14°18	10°49	21° 8	26°37	29°25	28°25	20°47	8°56
S23	8 9 15	2°56'23	1° 4	3°56	11°55	28°53	5°10	14°25	10°50	21°10	26°39	29°18	28°22	20°54	8°58
M24	8 13 11	3°57'24	14°18	2°40	11°40	29°37	5°24	14°32	10°50	21°12	26°41	29°14	28°19	21° 1	9° 0
T25	8 17 8	4°58'25	27°46	1°23	11°28	0°20	5°37	14°39	10°50	21°13	26°43	29°12	28°16	21° 7	9° 2
W26	8 21 4	5°59'26	11°30	0° 9	11°19	1° 4	5°51	14°46	10°51	21°15	26°45	29°D12	28°12	21°14	9° 4
T27	8 25 1	7° 0'26	25°31	29°30	11°12	1°47	6° 4	14°53	10°51	21°17	26°47	29°R13	28° 9	21°21	9° 6
F28	8 28 57	8° 1'25	9°49	27°57	11° 7	2°31	6°18	15° 0	10°51	21°19	26°49	29°12	28° 6	21°27	9° 8
S29	8 32 54	9° 2'24	24°24	27° 1	11°D 5	3°15	6°31	15° 8	10°52	21°20	26°51	29°10	28° 3	21°34	9°10
S30	8 36 51	10° 3'23	9°30	26°13	11° 5	3°58	6°45	15°15	10°52	21°22	26°53	29° 5	28° 0	21°41	9°12
M31	8 40 47	11°4'20	24°30	25°34	11°30	4°32	6°59	15°22	10°53	21°24	26°55	28°57	27°57	21°47	9°14

Delta T = 74.71 sec.

FEBRUARY 2022

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	8 44 44	12°55'17	8°48	25°R 3	11°313	5°26	7°13	15°29	10°54	21°26	26°57	28°R47	27°53	21°54	9°16
W 2	8 48 40	13° 6'13	23°25	24°341	11°20	6°10	7°27	15°36	10°55	21°28	26°59	28°35	27°50	22° 1	9°18
T 3	8 52 37	14° 7'07	7°42	24°28	11°30	6°54	7°40	15°43	10°55	21°30	27° 1	28°23	27°47	22° 7	9°21
F 4	8 56 33	15° 8'00	21°35	24°D23	11°42	7°37	7°54	15°51	10°56	21°32	27° 3	28°13	27°44	22°14	9°23
S 5	9 0 30	16° 8'52	5°11	24°25	11°56	8°21	8° 8	15°58	10°57	21°33	27° 5	28° 4	27°41	22°21	9°25
S 6	9 4 26	17° 9'42	18° 0	24°35	12°12	9° 5	8°22	16° 5	10°58	21°35	27° 7	27°58	27°37	22°27	9°28
M 7	9 8 23	18°10'32	0°35	24°51	12°30	9°49	8°36	16°12	10°59	21°37	27° 8	27°55	27°34	22°34	9°30
T 8	9 12 20	19°11'19	12°50	25°13	12°50	10°33	8°50	16°19	11° 0	21°39	27°10	27°54	27°31	22°41	9°33
W 9	9 16 16	20°12'05	24°50	25°41	13°12	11°17	9° 5	16°27	11° 1	21°41	27°12	27°54	27°28	22°47	9°35
T10	9 20 13	21°12'50	6°11	26°15	13°35	12° 1	9°19	16°34	11° 2	21°43	27°14	27°54	27°25	22°54	9°38
F11	9 24 9	22°13'33	18°28	26°53	14° 1	12°45	9°33	16°41	11° 3	21°45	27°16	27°52	27°22	23° 1	9°40
S12	9 28 6	23°14'15	0°17	27°35	14°28	13°30	9°47	16°48	11° 5	21°47	27°18	27°49	27°18	23° 7	9°43
S13	9 32 2	24°14'55	12°11	28°21	14°57	14°14	10° 1	16°55	11° 6	21°49	27°19	27°42	27°15	23°14	9°45
M14	9 35 59	25°15'33	24°15	29°11	15°27	14°58	10°16	17° 2	11° 7	21°52	27°21	27°33	27°12	23°21	9°48
T15	9 39 55	26°16'10	6°32	0°55	15°59	15°42	10°30	17°10	11° 9	21°54	27°23	27°21	27° 9	23°27	9°51
W16	9 43 52	27°16'45	19° 2	1° 1	16°32	16°26	10°44	17°17	11°10	21°56	27°25	27° 8	27° 6	23°34	9°54
T17	9 47 49	28°17'19	1°46	2° 1	17° 7	17°11	10°59	17°24	11°11	21°58	27°27	26°54	27° 3	23°41	9°56
F18	9 51 45	29°17'51	14°43	3° 3	17°43	17°55	11°13	17°31	11°13	22° 0	27°28	26°40	26°59	23°47	9°59
S19	9 55 42	0°18'22	27°52	4° 7	18°20	18°39	11°27	17°38	11°15	22° 2	27°30	26°29	26°56	23°54	10° 2
S20	9 59 38	1°18'51	11°13	5°14	18°59	19°24	11°42	17°45	11°16	22° 4	27°32	26°20	26°53	24° 1	10° 5
M21	10 3 35	2°19'19	24°43	6°23	19°39	20° 8	11°56	17°52	11°18	22° 6	27°33	26°14	26°50	24° 7	10° 8
T22	10 7 31	3°19'46	8°11	7°34	20°20	20°52	12°10	17°59	11°20	22° 9	27°35	26°11	26°47	24°14	10°11
W23	10 11 28	4°20'11	22°11	8°47	21° 2	21°37	12°25	18° 6	11°21	22°11	27°37	26°D11	26°43	24°20	10°14
T24	10 15 24	5°20'35	6° 8	10° 1	21°45	22°21	12°39	18°13	11°23	22°13	27°38	26°R11	26°40	24°27	10°17
F25	10 19 21	6°20'58	20°15	11°18	22°29	23° 6	12°54	18°20	11°25	22°15	27°40	26°10	26°37	24°34	10°20
S26	10 23 18	7°21'20	4°30	12°35	23°14	23°51	13° 8	18°27	11°27	22°17	27°42	26° 8	26°34	24°40	10°23
S27	10 27 14	8°21'40	18°51	13°55	24° 0	24°35	13°23	18°34	11°29	22°20	27°43	26° 3	26°31	24°47	10°26
M28	10 31 11	9°21'59	3°15	15°15	24°37	25°20	13°37	18°41	11°31	22°22	27°45	25°55	26°28	24°54	10°29

Delta T = 74.85 sec.

created from Swiss Ephemeris, Copyright Astrodienst AG [11.2.2014]

SWISS EPHEMERIS for the year 2022

MARCH 2022

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	10 35 7	10°22'16"	17°36'36"	16°38'38"	25°35'35"	26°3'4"	13°52'52"	18°48'48"	11°33'33"	22°24'24"	27°46'46"	25°R45	26°8'24"	25°II 0	10°Y32
W 2	10 39 4	11°22'31"	1°50'50"	18°1'1"	26°24'24"	26°49'49"	14°6'6"	18°55'55"	11°35'35"	22°26'26"	27°48'48"	25°8'33"	26°21'21"	25°7'7"	10°35
T 3	10 43 0	12°22'44"	15°50'50"	19°26'26"	27°13'13"	27°34'34"	14°21'21"	19°2'2"	11°37'37"	22°29'29"	27°50'50"	25°21'21"	26°18'18"	25°14'14"	10°39
F 4	10 46 57	13°22'56"	29°31'31"	20°52'52"	28°3'3"	28°19'19"	14°35'35"	19°8'8"	11°39'39"	22°31'31"	27°51'51"	25°10'10"	26°15'15"	25°20'20"	10°42
S 5	10 50 53	14°23'06"	12°50'50"	22°19'19"	28°54'54"	29°3'3"	14°50'50"	19°15'15"	11°41'41"	22°33'33"	27°53'53"	25°1'1"	26°12'12"	25°27'27"	10°45
S 6	10 54 50	15°23'14"	25°46'46"	23°48'48"	29°46'46"	29°48'48"	15°4'4"	19°22'22"	11°43'43"	22°35'35"	27°54'54"	24°55'55"	26°9'9"	25°34'34"	10°48
M 7	10 58 46	16°23'19"	8°21'21"	25°18'18"	0°38'38"	0°33'33"	15°19'19"	19°29'29"	11°46'46"	22°38'38"	27°55'55"	24°52'52"	26°5'5"	25°40'40"	10°51
T 8	11 2 43	17°23'23"	20°38'38"	26°49'49"	1°31'31"	1°18'18"	15°33'33"	19°35'35"	11°48'48"	22°40'40"	27°57'57"	24°D50	26°2'2"	25°47'47"	10°55
W 9	11 6 40	18°23'25"	2°II 40	28°21'21"	2°25'25"	2°3'3"	15°48'48"	19°42'42"	11°50'50"	22°42'42"	27°58'58"	24°50'50"	25°59'59"	25°54'54"	10°58
T 10	11 10 36	19°23'25"	14°32'32"	29°54'54"	3°19'19"	2°47'47"	16°2'2"	19°49'49"	11°53'53"	22°44'44"	28°0'0"	24°R51	25°56'56"	26°0'0"	11°1
F 11	11 14 33	20°23'22"	26°21'21"	1°X 28	4°13'13"	3°32'32"	16°17'17"	19°55'55"	11°55'55"	22°47'47"	28°1'1"	24°51'51"	25°53'53"	26°7'7"	11°5
S 12	11 18 29	21°23'17"	8°12'12"	3°4'4"	5°9'9"	4°17'17"	16°31'31"	20°2'2"	11°58'58"	22°49'49"	28°2'2"	24°49'49"	25°49'49"	26°14'14"	11°8
S 13	11 22 26	22°23'10"	20°9'9"	4°41'41"	6°4'4"	5°2'2"	16°46'46"	20°8'8"	12°0'0"	22°51'51"	28°4'4"	24°45'45"	25°46'46"	26°20'20"	11°11
M14	11 26 22	23°23'01"	2°11'11"	6°19'19"	7°1'1"	5°47'47"	17°0'0"	20°14'14"	12°3'3"	22°54'54"	28°5'5"	24°39'39"	25°43'43"	26°27'27"	11°15
T 15	11 30 19	24°22'50"	14°40'40"	7°58'58"	7°58'58"	6°32'32"	17°15'15"	20°21'21"	12°5'5"	22°56'56"	28°6'6"	24°31'31"	25°40'40"	26°34'34"	11°18
W16	11 34 15	25°22'37"	27°20'20"	9°38'38"	8°55'55"	7°17'17"	17°29'29"	20°27'27"	12°8'8"	22°58'58"	28°7'7"	24°21'21"	25°37'37"	26°40'40"	11°22
T 17	11 38 12	26°22'21"	10°19'19"	11°20'20"	9°53'53"	8°2'2"	17°44'44"	20°34'34"	12°10'10"	23°0'0"	28°9'9"	24°10'10"	25°34'34"	26°47'47"	11°25
F 18	11 42 9	27°22'03"	23°35'35"	13°2'2"	10°51'51"	8°47'47"	17°58'58"	20°40'40"	12°13'13"	23°3'3"	28°10'10"	24°0'0"	25°30'30"	26°54'54"	11°28
S 19	11 46 5	28°21'43"	7°14'14"	14°46'46"	11°49'49"	9°32'32"	18°13'13"	20°46'46"	12°16'16"	23°5'5"	28°11'11"	23°51'51"	25°27'27"	27°0'0"	11°32
S 20	11 50 2	29°21'22"	20°53'53"	16°31'31"	12°48'48"	10°17'17"	18°27'27"	20°52'52"	12°18'18"	23°7'7"	28°12'12"	23°45'45"	25°24'24"	27°7'7"	11°35
M21	11 53 58	0°Y20'58"	4°14'48"	18°18'18"	13°48'48"	11°2'2"	18°41'41"	20°58'58"	12°21'21"	23°9'9"	28°13'13"	23°41'41"	25°21'21"	27°14'14"	11°39
T 22	11 57 55	1°20'33"	18°51'51"	20°5'5"	14°48'48"	11°47'47"	18°56'56"	21°4'4"	12°24'24"	23°12'12"	28°14'14"	23°D39	25°18'18"	27°20'20"	11°42
W23	12 1 51	2°20'06"	2°57'57"	21°54'54"	15°48'48"	12°33'33"	19°10'10"	21°10'10"	12°27'27"	23°14'14"	28°15'15"	23°40'40"	25°14'14"	27°27'27"	11°46
T 24	12 5 48	3°19'37"	17°6'6"	23°45'45"	16°48'48"	13°18'18"	19°24'24"	21°16'16"	12°30'30"	23°16'16"	28°17'17"	23°41'41"	25°11'11"	27°34'34"	11°49
F 25	12 9 44	4°19'07"	1°13'13"	25°36'36"	17°49'49"	14°3'3"	19°39'39"	21°22'22"	12°33'33"	23°18'18"	28°18'18"	23°R41	25°8'8"	27°40'40"	11°53
S 26	12 13 41	5°18'35"	15°22'22"	27°29'29"	18°51'51"	14°48'48"	19°53'53"	21°28'28"	12°35'35"	23°21'21"	28°19'19"	23°41'41"	25°5'5"	27°47'47"	11°56
S 27	12 17 38	6°18'01"	29°28'28"	29°23'23"	19°52'52"	15°33'33"	20°7'7"	21°34'34"	12°38'38"	23°23'23"	28°20'20"	23°39'39"	25°2'2"	27°54'54"	12°0
M28	12 21 34	7°17'25"	13°29'29"	1°Y 18	20°54'54"	16°19'19"	20°21'21"	21°40'40"	12°41'41"	23°25'25"	28°20'20"	23°34'34"	24°59'59"	28°0'0"	12°3
T 29	12 25 31	8°16'48"	2°29'29"	3°15'15"	21°56'56"	17°4'4"	20°36'36"	21°46'46"	12°44'44"	23°27'27"	28°21'21"	23°28'28"	24°55'55"	28°7'7"	12°7
W30	12 29 27	9°16'08"	11°X 9	5°13'13"	22°59'59"	17°49'49"	20°50'50"	21°51'51"	12°47'47"	23°30'30"	28°22'22"	23°21'21"	24°52'52"	28°14'14"	12°10
T 31	12 33 24	10°Y15'27"	24°X 42	7°Y 12	24°2'2"	18°34'34"	21°X 4	21°55'55"	12°50'50"	23°X 32	28°23'23"	23°B 13	24°8'49"	28°II 20	12°Y 14

Delta T = 74.97 sec.

APRIL 2022

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	12 37 20	11°Y14'43	8°Y 0	9°Y12	25≈ 5	19≈20	21X18	22≈ 2	12R53	23X34	28S24	23°R 7	24R46	28II27	12°Y17
S 2	12 41 17	12°13'58	21° 2	11°13	26° 8	20° 5	21°32	22° 8	12°56	23°36	28°25	23R 1	24°43	28°34	12°21
S 3	12 45 13	13°13'11	3R46	13°15	27°11	20°50	21°46	22°13	13° 0	23°38	28°26	22°57	24°40	28°40	12°24
M 4	12 49 10	14°12'21	16°14	15°18	28°15	21°35	22° 0	22°19	13° 3	23°41	28°26	22°56	24°36	28°47	12°28
T 5	12 53 7	15°11'29	28°27	17°22	29°19	22°21	22°14	22°24	13° 6	23°43	28°27	22°D55	24°33	28°54	12°31
W 6	12 57 3	16°10'36	10II28	19°27	0X23	23° 6	22°28	22°29	13° 9	23°45	28°28	22°57	24°30	29° 0	12°35
T 7	13 1 0	17° 9'39	22°22	21°31	1°28	23°51	22°42	22°34	13°12	23°47	28°28	22°58	24°27	29° 7	12°38
F 8	13 4 56	18° 8'41	4S11	23°36	2°32	24°37	22°56	22°39	13°15	23°49	28°29	23° 0	24°24	29°14	12°42
S 9	13 8 53	19° 7'41	16° 2	25°41	3°37	25°22	23° 9	22°44	13°19	23°51	28°30	23°R 1	24°20	29°20	12°45
S 10	13 12 49	20° 6'38	28° 0	27°45	4°42	26° 7	23°23	22°49	13°22	23°53	28°30	23° 1	24°17	29°27	12°49
M11	13 16 46	21° 5'32	10R 8	29°49	5°48	26°53	23°37	22°54	13°25	23°55	28°31	22°59	24°14	29°34	12°52
T 12	13 20 42	22° 4'25	22°33	1R52	6°53	27°38	23°50	22°59	13°28	23°58	28°31	22°56	24°11	29°40	12°56
W13	13 24 39	23° 3'15	5II17	3°53	7°59	28°23	24° 4	23° 4	13°32	24° 0	28°32	22°52	24° 8	29°47	12°59
T 14	13 28 36	24° 2'03	18°22	5°53	9° 4	29° 9	24°18	23° 8	13°35	24° 2	28°32	22°47	24° 5	29°54	13° 3
F 15	13 32 32	25° 0'49	1R50	7°50	10°10	29°54	24°31	23°13	13°38	24° 4	28°33	22°43	24° 1	0S 0	13° 6
S 16	13 36 29	25°59'32	15°39	9°45	11°16	0X40	24°45	23°18	13°42	24° 6	28°33	22°39	23°58	0° 7	13°10
S 17	13 40 25	26°58'14	29°47	11°38	12°23	1°25	24°58	23°22	13°45	24° 8	28°34	22°36	23°55	0°14	13°13
M18	13 44 22	27°56'54	14II 8	13°27	13°29	2°10	25°11	23°26	13°48	24°10	28°34	22°35	23°52	0°20	13°17
T 19	13 48 18	28°55'32	28°37	15°13	14°36	2°56	25°25	23°31	13°52	24°12	28°34	22°D35	23°49	0°27	13°20
W20	13 52 15	29°54'08	13°X10	16°56	15°43	3°41	25°38	23°35	13°55	24°13	28°35	22°36	23°46	0°34	13°24
T 21	13 56 11	0R52'43	27°40	18°35	16°49	4°26	25°51	23°39	13°58	24°15	28°35	22°37	23°42	0°40	13°27
F 22	14 0 8	1°51'16	12S 4	20° 9	17°57	5°12	26° 4	23°43	14° 2	24°17	28°35	22°38	23°39	0°47	13°30
S 23	14 4 5	2°49'47	26°18	21°40	19° 4	5°57	26°17	23°47	14° 5	24°19	28°35	22°39	23°36	0°54	13°34
S 24	14 8 1	3°48'17	10≈21	23° 6	20°11	6°42	26°30	23°51	14° 9	24°21	28°35	22°R39	23°33	1° 1	13°37
M25	14 11 58	4°46'45	24°10	24°27	21°19	7°28	26°43	23°55	14°12	24°23	28°36	22°38	23°30	1° 7	13°40
T 26	14 15 54	5°45'11	7X46	25°44	22°26	8°13	26°56	23°59	14°16	24°25	28°36	22°37	23°26	1°14	13°44
W27	14 19 51	6°43'36	21° 8	26°57	23°34	8°59	27° 9	24° 2	14°19	24°27	28°36	22°35	23°23	1°21	13°47
T 28	14 23 47	7°41'59	4Y16	28° 4	24°42	9°44	27°21	24° 6	14°22	24°28	28°36	22°32	23°20	1°27	13°50
F 29	14 27 44	8°40'20	17°10	29° 6	25°50	10°29	27°34	24°10	14°26	24°30	28°36	22°30	23°17	1°34	13°54
S 30	14 31 40	9R38'40	29Y50	0II 4	26X58	11X15	27X47	24≈13	14R29	24X32	28°R36	22R29	23R14	1S41	13°Y57

SWISS EPHEMERIS for the year 2022

MAY 2022

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	14 35 37	10°36'58	12°18'18	0°11'56	28°11'06	12°11'00	27°11'59	24°11'16	14°11'33	24°11'34	28°11'36	22°11'28	23°11'11	1°11'47	14°11'00
M 2	14 39 33	11°35'15	24°33'33	1°43'29	29°14'45	12°45'28	28°12'24	24°20'23	14°40'36	24°35'28	28°36'22	22°D28	23°7'07	1°54'14	14°3'03
T 3	14 43 30	12°33'29	6°11'39	2°25'00	0°11'22	13°30'28	28°24'24	24°23'20	14°40'36	24°37'28	28°36'22	22°28'28	23°4'07	2°1'14	14°6'06
W 4	14 47 27	13°31'42	18°36'30	3°2'13	1°31'14	14°16'28	28°36'24	24°26'14	14°43'24	24°39'28	28°36'22	22°29'23	23°1'07	2°7'14	14°10'10
T 5	14 51 23	14°29'53	0°27'27	3°33'23	2°39'15	15°1'28	28°49'24	24°29'14	14°47'24	24°40'28	28°36'22	22°30'22	22°58'22	2°14'14	14°13'13
F 6	14 55 20	15°28'02	12°17'12	3°59'35	3°48'15	15°46'29	29°1'24	24°32'14	14°50'24	24°42'28	28°35'22	22°31'22	22°55'22	2°21'14	14°16'16
S 7	14 59 16	16°26'09	24°8'18	4°20'45	4°57'16	16°31'29	29°13'24	24°35'14	14°54'24	24°43'28	28°35'22	22°31'22	22°52'22	2°27'14	14°19'19
S 8	15 3 13	17°24'14	6°11'5	4°36'6	6°5'17	17°17'29	29°25'24	24°37'14	14°57'24	24°45'28	28°35'22	22°32'22	22°48'22	2°34'14	14°22'22
M 9	15 7 9	18°22'17	18°12'18	4°46'7	7°14'18	18°2'29	29°37'24	24°40'15	15°1'24	24°47'28	28°35'22	22°R32	22°45'22	2°41'14	14°25'25
T 10	15 11 6	19°20'18	0°11'35	4°R51	8°23'18	18°47'29	29°49'24	24°42'15	15°4'24	24°48'28	28°34'22	22°32'22	22°42'22	2°47'14	14°28'28
W 11	15 15 3	20°18'18	13°17'13	4°51'9	9°32'19	19°32'00	0°11'0	24°45'15	15°7'24	24°50'28	28°34'22	22°32'22	22°39'22	2°54'14	14°31'31
T 12	15 18 59	21°16'15	26°21'46	4°46'10	10°41'20	20°17'00	0°12'24	24°47'15	15°11'24	24°51'28	28°34'22	22°31'22	22°36'22	3°1'14	14°34'34
F 13	15 22 56	22°14'11	9°11'50	4°36'11	11°51'21	21°2'00	0°24'24	24°49'15	15°14'24	24°52'28	28°33'22	22°D31	22°32'22	3°7'14	14°37'37
S 14	15 26 52	23°12'05	23°45'42	4°22'13	13°0'21	21°47'00	0°35'24	24°52'15	15°18'24	24°54'28	28°33'22	22°31'22	22°29'22	3°14'14	14°40'40
S 15	15 30 49	24°9'57	8°11'3	4°4'14	14°9'22	22°32'00	0°46'24	24°54'15	15°21'24	24°55'28	28°33'22	22°31'22	22°26'22	3°21'14	14°43'43
M 16	15 34 45	25°7'48	22°41'34	3°42'15	15°19'23	23°17'00	0°58'24	24°56'15	15°25'24	24°57'28	28°32'22	22°R31	22°23'22	3°27'14	14°46'46
T 17	15 38 42	26°5'37	7°11'33	3°16'16	16°28'24	24°2'10	1°9'24	24°58'15	15°28'24	24°58'28	28°32'22	22°31'22	22°20'22	3°34'14	14°49'49
W 18	15 42 38	27°3'25	22°31'24	2°48'17	17°38'24	24°47'10	1°20'24	24°59'15	15°31'24	24°59'28	28°31'22	22°31'22	22°17'22	3°41'14	14°51'51
T 19	15 46 35	28°1'12	7°11'26	2°17'18	18°47'25	25°32'13	25°1'25	15°35'25	15°35'25	15°35'25	28°31'22	22°31'22	22°13'22	3°47'14	14°54'54
F 20	15 50 32	28°58'57	22°11'14	1°45'19	19°57'26	26°17'14	1°42'25	15°38'25	15°38'25	15°38'25	28°30'22	22°30'22	22°10'22	3°54'14	14°57'57
S 21	15 54 28	29°56'42	6°11'41	1°11'21	21°7'27	27°2'10	1°53'25	15°42'25	15°42'25	15°42'25	28°30'22	22°29'22	22°7'22	4°1'15	15°0'00
S 22	15 58 25	0°11'54	20°51'20	0°36'22	22°16'27	27°47'20	2°3'25	15°45'25	15°45'25	15°45'25	28°29'22	22°29'22	22°4'22	4°7'15	15°2'02
M 23	16 2 21	1°52'07	4°11'40	0°2'23	23°26'28	28°32'21	2°14'25	15°48'25	15°48'25	15°48'25	28°28'22	22°D29	22°1'22	4°14'15	15°5'05
T 24	16 6 18	2°49'48	18°8'29	2°49'48	24°36'29	29°17'22	2°24'25	15°52'25	15°52'25	15°52'25	28°28'22	22°29'22	21°57'22	4°21'15	15°8'08
W 25	16 10 14	3°47'28	1°11'16	28°55'25	25°46'00	0°11'1	2°35'25	15°55'25	15°55'25	15°55'25	28°27'22	22°30'22	21°54'22	4°28'15	15°10'10
T 26	16 14 11	4°45'07	14°7'28	28°24'26	26°56'00	0°46'24	2°45'25	15°58'25	15°58'25	15°58'25	28°26'22	22°31'22	21°51'22	4°34'15	15°13'13
F 27	16 18 7	5°42'45	26°42'27	27°55'28	28°7'13	1°31'25	2°55'25	15°10'16	15°10'16	15°10'16	28°26'22	22°32'22	21°48'22	4°41'15	15°15'15
S 28	16 22 4	6°40'22	9°11'4	27°28'29	29°17'21	2°15'30	3°5'25	15°12'16	15°12'16	15°12'16	28°25'22	22°33'22	21°45'22	4°48'15	15°18'18
S 29	16 26 1	7°37'58	21°16'27	27°5'00	0°27'30	3°0'31	3°15'25	15°13'16	15°13'16	15°13'16	28°24'22	22°R33	21°42'22	4°54'15	15°20'20
M 30	16 29 57	8°35'34	3°11'19	26°45'13	1°37'34	3°45'32	3°25'25	15°13'16	15°13'16	15°13'16	28°23'22	22°33'22	21°38'22	5°1'15	15°23'23
T 31	16 33 54	9°11'33	0°11'16	26°11'29	2°48'44	4°11'29	3°11'35	15°14'25	15°14'25	15°14'25	28°23'22	22°33'22	21°38'22	5°1'15	15°25'25

Delta T = 75.23 sec.

JUNE 2022

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	16 37 50	10°11'30	40'27	26°R17	3°11'58	5°11'14	3°11'44	25°11'14	16°11'18	25°11'14	28°R22	22°R30	21°11'32	5°11'14	15°11'27
T 2	16 41 47	11°28'12	8°11'58	26°11'9	5°9'58	5°58'58	3°54'35	25°15'16	16°21'25	25°15'16	28°21'22	22°27'22	21°29'22	5°21'15	15°30'30
F 3	16 45 43	12°25'43	20°47'26	6°19'5	6°42'6	6°42'6	4°3'25	25°15'16	16°25'25	25°16'16	28°20'22	22°24'22	21°26'22	5°28'15	15°32'32
S 4	16 49 40	13°23'12	2°11'40	26°6'7	7°30'7	7°27'7	4°12'25	25°15'16	16°28'25	25°17'16	28°19'22	22°21'22	21°23'22	5°34'15	15°34'34
S 5	16 53 36	14°20'40	14°38'26	11°8'40	8°40'8	8°11'8	4°21'25	25°R15	16°31'16	25°18'16	28°18'22	22°18'22	21°19'22	5°41'15	15°36'36
M 6	16 57 33	15°18'07	26°45'26	26°21'9	9°51'8	8°55'8	4°30'25	25°15'16	16°34'16	25°18'16	28°17'22	22°16'22	21°16'22	5°48'15	15°38'38
T 7	17 1 30	16°15'33	9°11'6	26°35'11	11°1'9	9°39'9	4°39'25	25°15'16	16°37'16	25°19'16	28°16'22	22°14'22	21°13'22	5°54'15	15°40'40
W 8	17 5 26	17°12'58	21°44'26	26°54'12	12°12'10	10°23'48	4°48'25	25°15'16	16°40'16	25°20'16	28°15'22	22°D14	21°10'22	6°1'15	15°42'42
T 9	17 9 23	18°10'21	4°11'43	27°17'13	13°23'11	7°45'25	4°57'25	25°14'16	16°43'16	25°20'16	28°14'22	22°15'22	21°7'22	6°8'15	15°44'44
F 10	17 13 19	19°7'43	18°6'27	27°44'14	14°34'11	51°51'5	5°5'25	25°14'16	16°47'16	25°21'16	28°13'22	22°17'22	21°3'22	6°14'15	15°46'46
S 11	17 17 16	20°5'05	1°11'56	28°16'15	15°45'12	35'12	5°13'25	25°13'16	16°50'16	25°22'16	28°12'22	22°18'22	21°0'22	6°21'15	15°48'48
S 12	17 21 12	21°2'25	16°13'28	28°52'16	16°56'13	13°19'52	5°21'25	25°13'16	16°53'16	25°22'16	28°11'22	22°R19	20°57'22	6°28'15	15°50'50
M 13	17 25 9	21°59'44	0°11'55	29°32'18	6°14'3	14°3'52	5°29'25	25°12'16	16°56'16	25°23'16	28°10'22	22°19'22	20°54'22	6°35'15	15°52'52
T 14	17 29 5	22°57'03	15°56'00	0°11'16	19°17'14	14°47'53	5°37'25	25°11'16	16°59'16	25°23'16	28°9'22	22°17'22	20°51'22	6°41'15	15°54'54
W 15	17 33 2	23°54'21	1°11'3	1°4'20	20°28'15	15°31'54	5°45'25	25°10'17	17°1'16	25°24'16	28°8'22	22°14'22	20°48'22	6°48'15	15°55'55
T 16	17 36 59	24°51'38	16°20'15	1°56'21	21°40'16	16°14'55	5°53'25	25°9'17	17°4'16	25°24'16	28°7'22	22°10'22	20°44'22	6°55'15	15°57'57
F 17	17 40 55	25°48'55	1°11'25	2°52'22	22°51'16	16°58'6	6°0'25	25°8'17	17°7'16	25°24'16	28°6'22	22°6'22	20°41'22	7°1'15	15°59'59
S 18	17 44 52	26°46'12	16°12'35	3°52'24	24°2'17	17°41'6	6°8'25	25°7'17	17°10'16	25°25'16	28°5'22	22°1'22	20°38'22	7°8'16	16°0'00
S 19	17 48 48	27°43'28	0°11'35	4°55'25	25°13'18	18°25'6	6°15'25	25°6'17	17°13'16	25°25'16	28°3'22	21°58'22	20°35'22	7°15'16	16°2'02
M 20	17 52 45	28°40'43	14°31'6	6°2'26	26°24'19	8°24'6	6°22'25	25°4'17	17°16'16	25°25'16	28°2'22	21°55'22	20°32'22	7°21'16	16°4'04
T 21	17 56 41	29°37'59	28°0'7	7°12'27	27°36'19	19°51'6	6°29'25	25°3'17	17°19'16	25°26'16	28°1'22	21°D54	20°29'22	7°28'16	16°5'05
W 22	18 0 38	0°35'14	11°11'4	8°26'28	28°47'20	20°35'6	6°35'25	25°1'17	17°21'16	25°26'16	28°0'22	21°55'22	20°25'22	7°35'16	16°6'06
T 23	18 4 34	1°32'29	23°47'9	9°44'29	29°58'21	18°18'6	6°42'24	24°59'17	17°24'16	25°26'16	27°58'22	21°56'22	20°22'22	7°41'16	16°8'08
F 24	18 8 31	2°29'44	6°11'11	11°5'11	10°10'22	1°22'6	6°48'24	24°58'17	17°27'16	25°26'16	27°57'22	21°57'22	20°19'22	7°48'16	16°9'09
S 25	18 12 28	3°26'59	18°22'12	12°29'22	2°21'22	22°44'6	6°55'24	24°56'17	17°29'16	25°26'16	27°56'22	21°R58	20°16'22	7°55'16	16°10'10
S 26	18 16 24	4°24'14	0°11'23	13°56'33	3°33'23	23°27'7	7°1'24	24°54'17	17°32'16	25°26'16	27°55'22	21°58'22	20°13'22	8°1'16	16°12'12
M 27	18 20 21	5°21'29	12°18'15	4°44'24	4°44'24	24°10'7	7°7'24	24°52'17	17°35'16	25°27'16	27°53'22	21°56'22	20°9'22	8°8'16	16°13'13
T 28	18 24 17	6°18'43	24°9'17	5°56'24	5°56'24	24°53'7	7°12'24	24°50'17	17°37'16	25°R27	27°52'22	21°52'22	20°6'22	8°15'16	16°14'14

SWISS EPHEMERIS for the year 2022

JULY 2022

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	18 36 7	9°26'26"	29°40'40"	22°11'4	9°11'31	27°17'0	7°17'29	24°18'43	17°18'45	25°18'26	27°18'48	21°18'29	19°18'57	8°18'35	16°17'17
S 2	18 40 4	10° 7'40	11°18'37	23°51'	10°43'	27°43'	7°34'	24°18'40	17°17'47	25°18'26	27°18'47	21°18'20	19°18'54	8°18'42	16°16'18
S 3	18 44 0	11° 4'53	23°40'	25°41'	11°54'	28°25'	7°39'	24°38'	17°49'	25°26'	27°45'	21°12'	19°50'	8°48'	16°19'
M 4	18 47 57	12° 2'06	5°11'51	27°33'	13° 6'	29° 7'	7°44'	24°35'	17°52'	25°26'	27°44'	21° 5'	19°47'	8°55'	16°20'
T 5	18 51 53	12°59'19	18°14'	29°29'	14°18'	29°49'	7°48'	24°32'	17°54'	25°26'	27°43'	21° 0'	19°44'	9° 2'	16°20'
W 6	18 55 50	13°56'31	0°15'51	18°27'	15°30'	0°18'31	7°53'	24°30'	17°56'	25°26'	27°41'	20°57'	19°41'	9° 8'	16°21'
T 7	18 59 46	14°53'44	13°46'	3°27'	16°42'	1°13'	7°57'	24°27'	17°59'	25°25'	27°40'	20°D56	19°38'	9°15'	16°22'
F 8	19 3 43	15°50'56	27° 3'	5°29'	17°54'	1°55'	8° 1'	24°24'	18° 1'	25°25'	27°39'	20°57'	19°35'	9°22'	16°22'
S 9	19 7 39	16°48'08	10°14'44	7°33'	19° 6'	2°37'	8° 5'	24°21'	18° 3'	25°25'	27°37'	20°57'	19°31'	9°28'	16°23'
S 10	19 11 36	17°45'19	24°51'	9°39'	20°18'	3°18'	8° 8'	24°18'	18° 5'	25°24'	27°36'	20°R58	19°28'	9°35'	16°24'
M 11	19 15 33	18°42'31	9°17'24	11°46'	21°30'	4° 0'	8°12'	24°15'	18° 7'	25°24'	27°34'	20°56'	19°25'	9°42'	16°24'
T 12	19 19 29	19°39'43	24°19'	13°54'	22°42'	4°41'	8°15'	24°11'	18° 9'	25°24'	27°33'	20°53'	19°22'	9°49'	16°24'
W 13	19 23 26	20°36'55	9°30'30	16° 3'	23°54'	5°23'	8°18'	24° 8'	18°11'	25°23'	27°31'	20°47'	19°19'	9°55'	16°25'
T 14	19 27 22	21°34'07	24°47'	18°12'	25° 6'	6° 4'	8°21'	24° 5'	18°13'	25°23'	27°30'	20°39'	19°15'	10° 2'	16°25'
F 15	19 31 19	22°31'19	9°15'58	20°21'	26°18'	6°45'	8°24'	24° 1'	18°15'	25°22'	27°29'	20°30'	19°12'	10° 9'	16°25'
S 16	19 35 15	23°28'31	24°55'	22°30'	27°31'	7°26'	8°27'	23°58'	18°17'	25°22'	27°27'	20°21'	19° 9'	10°15'	16°26'
S 17	19 39 12	24°25'44	9°18'28	24°39'	28°43'	8° 7'	8°29'	23°54'	18°19'	25°21'	27°26'	20°14'	19° 6'	10°22'	16°26'
M 18	19 43 8	25°22'58	23°33'	26°47'	29°55'	8°48'	8°31'	23°51'	18°21'	25°20'	27°24'	20° 8'	19° 3'	10°29'	16°26'
T 19	19 47 5	26°20'12	7°17'8	28°54'	1°18'8	9°28'	8°33'	23°47'	18°23'	25°20'	27°23'	20° 4'	19° 0'	10°35'	16°26'
W 20	19 51 2	27°17'27	20°15'	1°18'0	2°20'	10° 9'	8°35'	23°43'	18°24'	25°19'	27°21'	20° 2'	18°56'	10°42'	16°R26
T 21	19 54 58	28°14'43	2°18'57	3° 5'	3°33'	10°49'	8°37'	23°39'	18°26'	25°18'	27°20'	20°D 2	18°53'	10°49'	16°26'
F 22	19 58 55	29°11'59	15°18'	5° 8'	4°45'	11°29'	8°38'	23°36'	18°28'	25°18'	27°19'	20°R 3	18°50'	10°55'	16°26'
S 23	20 2 51	0°19'17	27°25'	7°10'	5°58'	12° 9'	8°40'	23°32'	18°29'	25°17'	27°17'	20° 2'	18°47'	11° 2'	16°26'
S 24	20 6 48	1° 6'35	9°11'21	9°11'	7°10'	12°49'	8°41'	23°28'	18°31'	25°16'	27°16'	20° 1'	18°44'	11° 9'	16°26'
M 25	20 10 44	2° 3'54	11°10'	11°10'	8°23'	13°29'	8°42'	23°24'	18°32'	25°15'	27°14'	19°57'	18°41'	11°16'	16°25'
T 26	20 14 41	3° 1'13	3°18'0	13° 8'	9°36'	14° 9'	8°42'	23°20'	18°34'	25°14'	27°13'	19°50'	18°37'	11°22'	16°25'
W 27	20 18 37	3°58'34	14°50'	15° 4'	10°48'	14°49'	8°43'	23°16'	18°35'	25°14'	27°11'	19°41'	18°34'	11°29'	16°25'
T 28	20 22 34	4°55'55	26°43'	16°58'	12° 1'	15°28'	8°43'	23°12'	18°36'	25°13'	27°10'	19°29'	18°31'	11°36'	16°24'
F 29	20 26 31	5°53'17	8°14'41	18°50'	13°14'	16° 7'	8°R43	23° 7'	18°38'	25°12'	27° 9'	19°16'	18°28'	11°42'	16°24'
S 30	20 30 27	6°50'40	20°46'	20°41'	14°27'	16°46'	8°43'	23° 3'	18°39'	25°11'	27° 7'	19° 3'	18°25'	11°49'	16°23'
S 31	20 34 24	7°14'48'04	2°11'59	22°13'30	15°18'40	17°18'25	8°17'43	22°18'59	18°18'40	25°11'10	27°18'6	18°18'50	18°18'21	11°18'56	16°17'23

Delta T = 75.50 sec.

AUGUST 2022

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	20 38 20	8°14'52'28	15°11'20	24°18'18	16°18'52	18°18'4	8°R42	22°R55	18°18'41	25°R 9	27°R 4	18°R40	18°18'18	12°18'2	16°R22
T 2	20 42 17	9°42'52	27°51'	26° 4'	18° 5'	18°43'	8°17'41	22°18'50	18°43'	25°18'8	27°18'3	18°18'32	18°15'	12° 9'	16°17'21
W 3	20 46 13	10°40'18	10°18'34	27°48'	19°18'	19°21'	8°40'	22°46'	18°44'	25° 7'	27° 2'	18°26'	18°12'	12°16'	16°21'
T 4	20 50 10	11°37'44	23°32'	29°31'	20°31'	20° 0'	8°39'	22°42'	18°45'	25° 6'	27° 0'	18°23'	18° 9'	12°22'	16°20'
F 5	20 54 6	12°35'10	6°11'47	1°11'11	21°44'	20°38'	8°38'	22°37'	18°46'	25° 5'	26°59'	18°23'	18° 6'	12°29'	16°19'
S 6	20 58 3	13°32'38	20°22'	2°51'	22°58'	21°16'	8°36'	22°33'	18°47'	25° 4'	26°57'	18°22'	18° 2'	12°36'	16°18'
S 7	21 2 0	14°30'06	4°17'19	4°28'	24°11'	21°54'	8°35'	22°29'	18°48'	25° 2'	26°56'	18°22'	17°59'	12°43'	16°17'
M 8	21 5 56	15°27'35	18°38'	6° 4'	25°24'	22°31'	8°33'	22°24'	18°48'	25° 1'	26°55'	18°20'	17°56'	12°49'	16°16'
T 9	21 9 53	16°25'05	3°18'18	7°39'	26°37'	23° 9'	8°31'	22°20'	18°49'	25° 0'	26°53'	18°15'	17°53'	12°56'	16°15'
W 10	21 13 49	17°22'35	18°14'	9°12'	27°50'	23°46'	8°29'	22°15'	18°50'	24°59'	26°52'	18° 8'	17°50'	13° 3'	16°14'
T 11	21 17 46	18°20'07	3°18'18	10°43'	29° 3'	24°23'	8°26'	22°11'	18°51'	24°58'	26°51'	17°59'	17°47'	13° 9'	16°13'
F 12	21 21 42	19°17'39	18°22'	12°12'	0°17'17	25° 0'	8°23'	22° 6'	18°51'	24°56'	26°49'	17°48'	17°43'	13°16'	16°12'
S 13	21 25 39	20°15'13	3°18'14	13°40'	1°30'	25°37'	8°21'	22° 2'	18°52'	24°55'	26°48'	17°37'	17°40'	13°23'	16°11'
S 14	21 29 35	21°12'47	17°47'	15° 6'	2°44'	26°13'	8°17'	21°57'	18°52'	24°54'	26°47'	17°27'	17°37'	13°29'	16°10'
M 15	21 33 32	22°10'23	1°17'54	16°31'	3°57'	26°50'	8°14'	21°53'	18°53'	24°52'	26°46'	17°19'	17°34'	13°36'	16° 8'
T 16	21 37 29	23° 8'01	15°33'	17°54'	5°10'	27°26'	8°11'	21°48'	18°53'	24°51'	26°44'	17°14'	17°31'	13°43'	16° 7'
W 17	21 41 25	24° 5'40	28°43'	19°15'	6°24'	28° 2'	8° 7'	21°44'	18°54'	24°50'	26°43'	17°11'	17°27'	13°50'	16° 6'
T 18	21 45 22	25° 3'20	11°18'28	20°34'	7°37'	28°37'	8° 3'	21°39'	18°54'	24°48'	26°42'	17°10'	17°24'	13°56'	16° 4'
F 19	21 49 18	26° 1'03	23°52'	21°51'	8°51'	29°13'	7°59'	21°35'	18°54'	24°47'	26°41'	17°10'	17°21'	14° 3'	16° 3'
S 20	21 53 15	26°58'46	5°11'59	23° 7'	10° 5'	29°48'	7°55'	21°30'	18°55'	24°46'	26°40'	17°10'	17°18'	14°10'	16° 1'
S 21	21 57 11	27°56'32	17°55'	24°21'	11°18'	0°11'23	7°51'	21°26'	18°55'	24°44'	26°38'	17° 8'	17°15'	14°16'	16° 0'
M 22	22 1 8	28°54'19	29°46'	25°32'	12°32'	0°58'	7°46'	21°21'	18°55'	24°43'	26°37'	17° 5'	17°12'	14°23'	15°58'
T 23	22 5 4	29°52'08	11°18'35	26°42'	13°46'	1°33'	7°42'	21°17'	18°55'	24°41'	26°36'	16°59'	17° 8'	14°30'	15°56'
W 24	22 9 1	0°11'49'58	23°27'	27°49'	15° 0'	2° 7'	7°37'	21°13'	18°55'	24°40'	26°35'	16°50'	17° 5'	14°36'	15°55'
T 25	22 12 58	1°47'50	5°12'25	28°55'	16°13'	2°42'	7°32'	21° 8'	18°R55	24°38'	26°34'	16°39'	17° 2'	14°43'	15°53'
F 26	22 16 54	2°45'43	17°32'	29°57'	17°27'	3°16'	7°27'	21° 4'	18°55'	24°37'	26°33'	16°26'	16° 59'	14°50'	15°51'
S 27	22 20 51	3°43'38	29°47'	0°18'58	18°41'	3°49'	7°21'	20°59'	18°55'	24°35'	26°32'	16°13'	16°56'	14°57'	15°49'
S 28	22 24 47	4°41'35	12°11'13	1°55'	19°55'	4°23'	7°16'	20°55'	18°55'	24°34'	26°31'	16° 1'	16°53'	15° 3'	15°47'
M 29	22 28 44	5°39'33	24°50'	2°50'	21° 9'	4°56'	7°10'	20°51'	18°55'	24°32'	26°29'	15°51'	16°49'	15°10'	15°46'
T 30	22 32 40	6°37'32	7°18'37	3°42'	22°23'	5°29'	7° 5'	20°47'	18°55'	24°31'	26°28'	15°43'	16°46'	15°17'	15°44'
W 31	22 36 37	7°11'35'33	20°18'35	4°18'31	23°18'37	6°11' 1	6°17'59	20°18'42	18°18'54	24°18'29	26°18'27	15°18'37	16°18'43	15°18'23	15°17'42

Delta T = 75.63 sec.

created from Swiss Ephemeris, Copyright Astrodienst AG [11.2.2014]

SWISS EPHEMERIS for the year 2022

SEPTEMBER 2022

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	22 40 33	8♉33'35	3♊46	5♊17	24♊51	6♊34	6♉53	20°R38	18°R54	24°R28	26°R26	15°R35	16♉40	15♉30	15°R40
F 2	22 44 30	9°31'39	17° 9	5°59	26° 5	7° 6	6♉46	20°R34	18♉53	24°R26	26♉25	15°D34	16°37	15°37	15°R38
S 3	22 48 27	10°29'44	0♈46	6°37	27°19	7°37	6°40	20°30	18°53	24°24	26°25	15♉35	16°33	15°43	15°36
S 4	22 52 23	11°27'51	14°39	7°11	28°33	8° 9	6°33	20°26	18°53	24°23	26°24	15°R35	16°30	15°50	15°33
M 5	22 56 20	12°25'59	28°47	7°41	29°47	8°40	6°27	20°22	18°52	24°21	26°23	15°34	16°27	15°57	15°31
T 6	23 0 16	13°24'09	13♉10	8° 6	1♉ 2	9°11	6°20	20°18	18°51	24°20	26°22	15°31	16°24	16° 4	15°29
W 7	23 4 13	14°22'19	27°45	8°27	2°16	9°42	6°13	20°14	18°51	24°18	26°21	15°25	16°21	16°10	15°27
T 8	23 8 9	15°20'32	12♉26	8°42	3°30	10°12	6° 6	20°10	18°50	24°16	26°20	15°18	16°18	16°17	15°25
F 9	23 12 6	16°18'46	27° 8	8°51	4°44	10°42	5°59	20° 6	18°49	24°15	26°19	15° 9	16°14	16°24	15°22
S 10	23 16 2	17°17'01	11♈42	8°R55	5°59	11°11	5°52	20° 3	18°49	24°13	26°19	15° 0	16°11	16°30	15°20
S 11	23 19 59	18°15'18	26° 1	8°53	7°13	11°41	5°45	19°59	18°48	24°11	26°18	14°51	16° 8	16°37	15°18
M 12	23 23 56	19°13'37	9♉59	8°45	8°27	12°10	5°38	19°55	18°47	24°10	26°17	14°45	16° 5	16°44	15°15
T 13	23 27 52	20°11'58	23°34	8°30	9°42	12°38	5°30	19°52	18°46	24° 8	26°16	14°41	16° 2	16°51	15°13
W 14	23 31 49	21°10'21	6♉43	8° 8	10°56	13° 7	5°23	19°48	18°45	24° 7	26°16	14°38	15°59	16°57	15°11
T 15	23 35 45	22° 8'46	19°29	7°39	12°11	13°35	5°15	19°45	18°44	24° 5	26°15	14°D38	15°55	17° 4	15° 8
F 16	23 39 42	23° 7'13	1♉55	7° 4	13°25	14° 2	5° 7	19°41	18°43	24° 3	26°14	14°39	15°52	17°11	15° 6
S 17	23 43 38	24° 5'43	14° 4	6°22	14°40	14°29	5° 0	19°38	18°42	24° 2	26°14	14°40	15°49	17°17	15° 3
S 18	23 47 35	25° 4'14	26° 3	5°34	15°54	14°56	4°52	19°35	18°41	24° 0	26°13	14°R41	15°46	17°24	15° 1
M 19	23 51 31	26° 2'48	7♉55	4°41	17° 9	15°22	4°44	19°32	18°39	23°58	26°13	14°40	15°43	17°31	14°58
T 20	23 55 28	27° 1'24	19°46	3°43	18°23	15°48	4°36	19°29	18°38	23°57	26°12	14°37	15°39	17°37	14°56
W 21	23 59 25	28° 0'02	1♉41	2°42	19°38	16°14	4°28	19°26	18°37	23°55	26°12	14°32	15°36	17°44	14°53
T 22	0 3 21	28°58'42	13°43	1°38	20°52	16°39	4°20	19°23	18°36	23°53	26°11	14°26	15°33	17°51	14°51
F 23	0 7 18	29°57'24	25°56	0°33	22° 7	17° 4	4°12	19°20	18°34	23°52	26°11	14°18	15°30	17°58	14°48
S 24	0 11 14	0♈56'09	8♉22	29♉28	23°22	17°28	4° 4	19°17	18°33	23°50	26°10	14°10	15°27	18° 4	14°45
S 25	0 15 11	1°54'55	21° 2	28°26	24°37	17°52	3°56	19°14	18°31	23°48	26°10	14° 3	15°24	18°11	14°43
M 26	0 19 7	2°53'44	3♉57	27°28	25°51	18°15	3°48	19°12	18°30	23°47	26° 9	13°56	15°20	18°18	14°40
T 27	0 23 4	3°52'34	17° 5	26°35	27° 6	18°38	3°40	19° 9	18°28	23°45	26° 9	13°51	15°17	18°24	14°37
W 28	0 27 0	4°51'26	0♉26	25°48	28°21	19° 1	3°32	19° 7	18°27	23°43	26° 9	13°49	15°14	18°31	14°35
T 29	0 30 57	5°50'21	13°58	25°10	29°36	19°23	3°24	19° 4	18°25	23°42	26° 8	13°D48	15°11	18°38	14°32
F 30	0 34 53	6♈49'17	27♉40	24♉41	0♈50	19♉44	3♉16	19°R 2	18♉24	23°R40	26♉8	13♉49	15♉8	18♉45	14°R29

Delta T = 75.77 sec.

OCTOBER 2022

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	0 38 50	7♉48'15	11♈32	24°R22	2♈ 5	20♉ 5	3°R 8	19°R 0	18°R22	23°R39	26°R 8	13♉50	15♉ 4	18♉51	14°R27
S 2	0 42 47	8°47'15	25°32	24°D13	3°20	20°25	3°R 0	18°R58	18♉20	23°R37	26♉8	13°51	15° 1	18°58	14°R24
M 3	0 46 43	9°46'16	9♉39	24°R14	4°35	20°45	2°52	18°56	18°18	23°35	26° 7	13°R52	14°58	19° 5	14°21
T 4	0 50 40	10°45'19	23°51	24°26	5°50	21° 4	2°44	18°54	18°17	23°34	26° 7	13°51	14°55	19°11	14°19
W 5	0 54 36	11°44'24	8♉ 8	24°47	7° 5	21°23	2°36	18°52	18°15	23°32	26° 7	13°49	14°52	19°18	14°16
T 6	0 58 33	12°43'31	22°25	25°19	8°20	21°41	2°29	18°50	18°13	23°31	26° 7	13°46	14°49	19°25	14°13
F 7	1 2 29	13°42'39	6♈38	26° 0	9°35	21°59	2°21	18°48	18°11	23°29	26° 7	13°41	14°45	19°31	14°11
S 8	1 6 26	14°41'49	20°44	26°49	10°50	22°16	2°13	18°47	18° 9	23°28	26° 7	13°37	14°42	19°38	14° 8
S 9	1 10 22	15°41'01	4♉38	27°46	12° 5	22°32	2° 6	18°45	18° 7	23°26	26°D 7	13°33	14°39	19°45	14° 5
M 10	1 14 19	16°40'15	18°17	28°50	13°19	22°48	1°58	18°44	18° 5	23°25	26° 7	13°30	14°36	19°52	14° 2
T 11	1 18 16	17°39'31	1♈37	0♈ 0	14°34	23° 3	1°51	18°43	18° 3	23°23	26° 7	13°28	14°33	19°58	14° 0
W 12	1 22 12	18°38'49	14°38	1°17	15°49	23°18	1°43	18°42	18° 1	23°22	26° 7	13°D27	14°30	20° 5	13°57
T 13	1 26 9	19°38'10	27°20	2°37	17° 4	23°32	1°36	18°41	17°59	23°20	26° 7	13°28	14°26	20°12	13°54
F 14	1 30 5	20°37'32	9♉44	4° 3	18°19	23°45	1°29	18°40	17°57	23°19	26° 7	13°29	14°23	20°18	13°52
S 15	1 34 2	21°36'57	21°54	5°31	19°35	23°58	1°22	18°39	17°55	23°18	26° 8	13°31	14°20	20°25	13°49
S 16	1 37 58	22°36'25	3♉54	7° 3	20°50	24°10	1°15	18°38	17°53	23°16	26° 8	13°33	14°17	20°32	13°46
M 17	1 41 55	23°35'54	15°47	8°37	22° 5	24°21	1° 8	18°37	17°50	23°15	26° 8	13°34	14°14	20°39	13°44
T 18	1 45 51	24°35'26	27°39	10°13	23°20	24°31	1° 1	18°37	17°48	23°13	26° 8	13°R34	14°10	20°45	13°41
W 19	1 49 48	25°35'00	9♉35	11°51	24°35	24°41	0°55	18°36	17°46	23°12	26° 8	13°33	14° 7	20°52	13°38
T 20	1 53 45	26°34'36	21°38	13°30	25°50	24°50	0°48	18°36	17°44	23°11	26° 9	13°32	14° 4	20°59	13°36
F 21	1 57 41	27°34'15	3♉54	15° 9	27° 5	24°59	0°42	18°36	17°41	23° 9	26° 9	13°30	14° 1	21° 5	13°33
S 22	2 1 38	28°33'55	16°25	16°50	28°20	25° 6	0°35	18°35	17°39	23° 8	26° 9	13°27	13°58	21°12	13°30
S 23	2 5 34	29°33'38	29°15	18°31	29°35	25°13	0°29	18°D35	17°37	23° 7	26°10	13°25	13°55	21°19	13°28
M 24	2 9 31	0♉33'23	12♈23	20°12	0♉51	25°19	0°23	18°35	17°34	23° 6	26°10	13°23	13°51	21°26	13°25
T 25	2 13 27	1°33'10	25°51	21°54	2° 6	25°24	0°18	18°35	17°32	23° 4	26°11	13°22	13°48	21°32	13°23
W 26	2 17 24	2°32'59	9♉35	23°35	3°21	25°28	0°12	18°36	17°30	23° 3	26°11	13°D22	13°45	21°39	13°20
T 27	2 21 20	3°32'50	23°35	25°17	4°36	25°31	0° 6	18°36	17°27	23° 2	26°12	13°22	13°42	21°46	13°18
F 28	2 25 17	4°32'43	7♈45	26°58	5°51	25°34	0° 1	18°37	17°25	23° 1	26°12	13°22	13°39	21°52	13°15
S 29	2 29 14	5°32'38	22° 2	28°39	7° 6	25°36	29♈56	18°37	17°23	23° 0	26°13	13°23	13°36	21°59	13°13
S 30	2 33 10	6°32'34	6♉21	0♉19	8°22	25°37	29°51	18°38	17°20	22°59	26°14	13°24	13°32	22° 6	13°10
M 31	2 37 7	7♉32'32	20♉40	2♉ 0	9♉37	25°R37	29♈46	18°R38	17°R18	22°R58	26♉14	13♉24	13♉29	22♉13	13°R 8

Delta T = 75.90 sec.

created from Swiss Ephemeris, Copyright Astrodienst AG [11.2.2014]

SWISS EPHEMERIS for the year 2022

NOVEMBER 2022

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	2 41 3	8M32'32	4A55	3M40	10M52	25°R36	29°R42	18A39	17°R15	22°R57	26B15	13°R25	13B26	22B19	13°R 5
W 2	2 45 0	9°32'33	19° 3	5°19	12° 7	25°R34	29°R37	18°40	17B13	22°R56	26°15	13B25	13°23	22°26	13°R 3
T 3	2 48 56	10°32'36	3H 2	6°58	13°23	25°32	29°33	18°41	17°10	22°55	26°16	13°24	13°20	22°33	13° 1
F 4	2 52 53	11°32'40	16°52	8°37	14°38	25°28	29°29	18°43	17° 8	22°54	26°17	13°24	13°16	22°39	12°58
S 5	2 56 49	12°32'46	0Y30	10°15	15°53	25°24	29°25	18°44	17° 5	22°53	26°18	13°24	13°13	22°46	12°56
S 6	3 0 46	13°32'53	13°56	11°53	17° 8	25°19	29°21	18°45	17° 3	22°52	26°19	13°D24	13°10	22°53	12°54
M 7	3 4 43	14°33'02	27° 9	13°31	18°23	25°13	29°18	18°47	17° 0	22°51	26°19	13°24	13° 7	23° 0	12°52
T 8	3 8 39	15°33'13	10B 8	15° 8	19°39	25° 6	29°14	18°48	16°58	22°50	26°20	13°R24	13° 4	23° 6	12°49
W 9	3 12 36	16°33'25	22°52	16°44	20°54	24°58	29°11	18°50	16°55	22°49	26°21	13°24	13° 1	23°13	12°47
T 10	3 16 32	17°33'40	5II23	18°21	22° 9	24°49	29° 8	18°52	16°53	22°48	26°22	13°24	12°57	23°20	12°45
F 11	3 20 29	18°33'56	17°42	19°57	23°24	24°40	29° 5	18°54	16°50	22°48	26°23	13°23	12°54	23°26	12°43
S 12	3 24 25	19°34'14	29°49	21°32	24°40	24°29	29° 3	18°56	16°48	22°47	26°24	13°22	12°51	23°33	12°41
S 13	3 28 22	20°34'34	11B48	23° 8	25°55	24°18	29° 0	18°58	16°46	22°46	26°25	13°21	12°48	23°40	12°39
M14	3 32 18	21°34'56	23°41	24°43	27°10	24° 6	28°58	19° 0	16°43	22°45	26°26	13°20	12°45	23°47	12°37
T 15	3 36 15	22°35'20	5B32	26°17	28°25	23°53	28°56	19° 2	16°41	22°45	26°27	13°20	12°42	23°53	12°35
W16	3 40 12	23°35'45	17°27	27°52	29°41	23°39	28°55	19° 4	16°38	22°44	26°28	13°19	12°38	24° 0	12°33
T 17	3 44 8	24°36'12	29°28	29°26	0A56	23°25	28°53	19° 7	16°36	22°44	26°29	13°D19	12°35	24° 7	12°31
F 18	3 48 5	25°36'42	11B41	1A 0	2°11	23° 9	28°52	19° 9	16°33	22°43	26°30	13°20	12°32	24°13	12°29
S 19	3 52 1	26°37'13	24°11	2°34	3°27	22°53	28°50	19°12	16°31	22°43	26°31	13°21	12°29	24°20	12°28
S 20	3 55 58	27°37'45	7A 1	4° 7	4°42	22°36	28°50	19°15	16°28	22°42	26°33	13°22	12°26	24°27	12°26
M21	3 59 54	28°38'20	20°14	5°40	5°57	22°19	28°49	19°18	16°26	22°42	26°34	13°23	12°22	24°34	12°24
T 22	4 3 51	29°38'56	3M52	7°13	7°12	22° 1	28°48	19°21	16°24	22°41	26°35	13°24	12°19	24°40	12°23
W23	4 7 47	0A39'34	17°53	8°46	8°28	21°42	28°48	19°24	16°21	22°41	26°36	13°R24	12°16	24°47	12°21
T 24	4 11 44	1°40'13	2A16	10°19	9°43	21°22	28°D48	19°27	16°19	22°40	26°37	13°23	12°13	24°54	12°19
F 25	4 15 41	2°40'54	16°53	11°51	10°58	21° 2	28°48	19°30	16°16	22°40	26°39	13°22	12°10	25° 0	12°18
S 26	4 19 37	3°41'37	1B40	13°24	12°14	20°42	28°48	19°33	16°14	22°40	26°40	13°19	12° 7	25° 7	12°16
S 27	4 23 34	4°42'20	16°27	14°56	13°29	20°21	28°49	19°37	16°12	22°40	26°41	13°16	12° 3	25°14	12°15
M28	4 27 30	5°43'05	1A 9	16°28	14°44	19°59	28°50	19°40	16° 9	22°39	26°43	13°13	12° 0	25°21	12°14
T 29	4 31 27	6°43'50	15°38	18° 0	16° 0	19°37	28°51	19°44	16° 7	22°39	26°44	13°11	11°57	25°27	12°12
W30	4 35 23	7A44'37	29A51	19A32	17A15	19II15	28A52	19A47	16B 5	22A39	26B45	13B10	11B54	25B34	12Y11

Delta T = 76.03 sec.

DECEMBER 2022

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	4 39 20	8A45'24	13H46	21A 3	18A30	18°R53	28H53	19A51	16°R 3	22°R39	26B47	13°D 9	11B51	25B41	12°R10
F 2	4 43 17	9°46'12	27°23	22°34	19°46	18II30	28°55	19°55	16B 0	22H39	26°48	13B10	11°48	25°47	12°R 9
S 3	4 47 13	10°47'01	10Y42	24° 6	21° 1	18° 7	28°56	19°59	15°58	22°39	26°50	13°12	11°44	25°54	12° 8
S 4	4 51 10	11°47'51	23°45	25°36	22°16	17°44	28°58	20° 3	15°56	22°D39	26°51	13°14	11°41	26° 1	12° 6
M 5	4 55 6	12°48'42	6B35	27° 7	23°31	17°21	29° 1	20° 7	15°54	22°39	26°53	13°15	11°38	26° 8	12° 5
T 6	4 59 3	13°49'33	19°12	28°37	24°47	16°58	29° 3	20°11	15°52	22°39	26°54	13°R15	11°35	26°14	12° 4
W 7	5 2 59	14°50'26	1II39	0B 7	26° 2	16°34	29° 6	20°15	15°50	22°39	26°56	13°13	11°32	26°21	12° 4
T 8	5 6 56	15°51'20	13°56	1°36	27°17	16°11	29° 8	20°20	15°48	22°39	26°57	13°10	11°28	26°28	12° 3
F 9	5 10 52	16°52'15	26° 4	3° 5	28°32	15°48	29°11	20°24	15°46	22°39	26°59	13° 5	11°25	26°35	12° 2
S 10	5 14 49	17°53'11	8B 6	4°33	29°48	15°25	29°14	20°29	15°44	22°39	27° 1	12°59	11°22	26°41	12° 1
S 11	5 18 46	18°54'07	20° 2	6° 1	1B 3	15° 3	29°18	20°33	15°42	22°40	27° 2	12°52	11°19	26°48	12° 0
M12	5 22 42	19°55'05	1B54	7°27	2°18	14°40	29°21	20°38	15°40	22°40	27° 4	12°45	11°16	26°55	12° 0
T 13	5 26 39	20°56'04	13°45	8°53	3°34	14°18	29°25	20°42	15°38	22°40	27° 5	12°39	11°13	27° 1	11°59
W14	5 30 35	21°57'04	25°39	10°17	4°49	13°57	29°29	20°47	15°36	22°40	27° 7	12°34	11° 9	27° 8	11°59
T 15	5 34 32	22°58'04	7B38	11°40	6° 4	13°35	29°33	20°52	15°34	22°41	27° 9	12°30	11° 6	27°15	11°58
F 16	5 38 28	23°59'06	19°47	13° 1	7°19	13°14	29°38	20°57	15°32	22°41	27°11	12°D29	11° 3	27°22	11°58
S 17	5 42 25	25° 0'09	2A11	14°20	8°35	12°54	29°42	21° 2	15°30	22°42	27°12	12°29	11° 0	27°28	11°57
S 18	5 46 21	26° 1'12	14°55	15°36	9°50	12°34	29°47	21° 7	15°29	22°42	27°14	12°30	10°57	27°35	11°57
M19	5 50 18	27° 2'17	28° 3	16°50	11° 5	12°14	29°52	21°12	15°27	22°43	27°16	12°32	10°54	27°42	11°57
T 20	5 54 15	28° 3'22	11M38	18° 1	12°20	11°55	29°57	21°18	15°25	22°43	27°17	12°R32	10°50	27°48	11°56
W21	5 58 11	29° 4'29	25°41	19° 8	13°36	11°37	0Y 2	21°23	15°24	22°44	27°19	12°32	10°47	27°55	11°56
T 22	6 2 8	0B 5'36	10A12	20°10	14°51	11°20	0° 8	21°28	15°22	22°44	27°21	12°29	10°44	28° 2	11°56
F 23	6 6 4	1° 6'44	25° 5	21° 8	16° 6	11° 3	0°13	21°34	15°21	22°45	27°23	12°23	10°41	28° 9	11°D56
S 24	6 10 1	2° 7'52	10B13	21°59	17°21	10°46	0°19	21°39	15°19	22°46	27°25	12°16	10°38	28°15	11°56
S 25	6 13 57	3° 9'01	25°26	22°44	18°37	10°31	0°25	21°45	15°18	22°46	27°26	12° 8	10°34	28°22	11°56
M26	6 17 54	4°10'10	10A33	23°22	19°52	10°16	0°31	21°50	15°16	22°47	27°28	12° 0	10°31	28°29	11°56
T 27	6 21 51	5°11'19	25°24	23°51	21° 7	10° 2	0°37	21°56	15°15	22°48	27°30	11°53	10°28	28°35	11°56
W28	6 25 47	6°12'27	9H53	24°11	22°22	9°49	0°44	22° 2	15°14	22°49	27°32	11°48	10°25	28°42	11°57
T 29	6 29 44	7°13'36	23°56	24°R21	23°37	9°36	0°51	22° 7	15°12	22°50	27°34	11°45	10°22	28°49	11°57
F 30	6 33 40	8°14'45	7Y33	24°19	24°53	9°25	0°57	22°13	15°11	22°50	27°36	11°D44	10°19	28°56	11°57
S 31	6 37 37	9B15'54	20Y47	24B 7	26B 8	9II14	1Y 4	22A19	15B10	22A51	27B38	11B44	10B15	29B 2	11Y58

Delta T = 76.16 sec.

created from Swiss Ephemeris, Copyright Astrodienst AG [11.2.2014]