

SWISS EPHEMERIS for the year 2027

JANUARY 2027

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Day	Sid.t	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	6 41 42	10 ³ 19'14	24 ⁵ 37	9 ³ 54	23 ¹¹ 29	9 ¹¹ 52	26 ¹ R27	8 ¹ Y20	2 ¹ R18	1 ¹ Y43	4 ¹ 21	21 ¹ R27	22 ¹ 51	12 ¹ 3	26 ¹ R17
S 2	6 45 39	11 ¹ 20'23	7 ¹¹ 8	11 ¹ 31	24 ¹ 30	9 ¹ 59	26 ¹ Q23	8 ¹ 22	2 ¹ II16	1 ¹ 44	4 ¹ 23	21 ¹ 24	22 ¹ 47	12 ¹ 11	26 ¹ Y16
S 3	6 49 35	12 ¹ 21'33	19 ¹ 25	13 ¹ 7	25 ¹ 30	10 ¹ 5	26 ¹ 19	8 ¹ 25	2 ¹ 15	1 ¹ 44	4 ¹ 25	21 ¹ 19	22 ¹ 44	12 ¹ 18	26 ¹ 16
M 4	6 53 32	13 ¹ 22'44	1 ¹ 32	14 ¹ 44	26 ¹ 31	10 ¹ 10	26 ¹ 15	8 ¹ 27	2 ¹ 13	1 ¹ 45	4 ¹ 26	21 ¹ 13	22 ¹ 41	12 ¹ 25	26 ¹ 16
T 5	6 57 28	14 ¹ 23'54	13 ¹ 31	16 ¹ 22	27 ¹ 33	10 ¹ 14	26 ¹ 11	8 ¹ 30	2 ¹ 11	1 ¹ 46	4 ¹ 28	21 ¹ 6	22 ¹ 38	12 ¹ 31	26 ¹ 16
W 6	7 1 25	15 ¹ 25'05	25 ¹ 25	18 ¹ 0	28 ¹ 35	10 ¹ 18	26 ¹ 6	8 ¹ 33	2 ¹ 9	1 ¹ 47	4 ¹ 30	20 ¹ 59	22 ¹ 35	12 ¹ 38	26 ¹ D16
T 7	7 5 21	16 ¹ 26'15	7 ¹ 31	19 ¹ 38	29 ¹ 37	10 ¹ 21	26 ¹ 1	8 ¹ 35	2 ¹ 8	1 ¹ 48	4 ¹ 32	20 ¹ 52	22 ¹ 32	12 ¹ 45	26 ¹ 16
F 8	7 9 18	17 ¹ 27'26	19 ¹ 5	21 ¹ 16	0 ¹ 39	10 ¹ 23	25 ¹ 57	8 ¹ 38	2 ¹ 6	1 ¹ 49	4 ¹ 34	20 ¹ 47	22 ¹ 28	12 ¹ 51	26 ¹ 16
S 9	7 13 14	18 ¹ 28'36	0 ¹ 54	22 ¹ 55	1 ¹ 42	10 ¹ 25	25 ¹ 52	8 ¹ 41	2 ¹ 5	1 ¹ 49	4 ¹ 36	20 ¹ 43	22 ¹ 25	12 ¹ 58	26 ¹ 16
S 10	7 17 11	19 ¹ 29'46	12 ¹ 46	24 ¹ 34	2 ¹ 46	10 ¹ 26	25 ¹ 47	8 ¹ 44	2 ¹ 3	1 ¹ 50	4 ¹ 37	20 ¹ 41	22 ¹ 22	13 ¹ 5	26 ¹ 16
M 11	7 21 8	20 ¹ 30'56	24 ¹ 42	26 ¹ 14	3 ¹ 49	10 ¹ R26	25 ¹ 41	8 ¹ 48	2 ¹ 2	1 ¹ 51	4 ¹ 39	20 ¹ D41	22 ¹ 19	13 ¹ 11	26 ¹ 16
T 12	7 25 4	21 ¹ 32'05	6 ¹ 45	27 ¹ 54	4 ¹ 53	10 ¹ 25	25 ¹ 36	8 ¹ 51	2 ¹ 0	1 ¹ 52	4 ¹ 41	20 ¹ 42	22 ¹ 16	13 ¹ 18	26 ¹ 17
W 13	7 29 1	22 ¹ 33'14	18 ¹ 59	29 ¹ 34	5 ¹ 57	10 ¹ 23	25 ¹ 30	8 ¹ 54	1 ¹ 59	1 ¹ 53	4 ¹ 43	20 ¹ 44	22 ¹ 13	13 ¹ 25	26 ¹ 17
T 14	7 32 57	23 ¹ 34'22	1 ¹ Y27	1 ¹ 15	7 ¹ 2	10 ¹ 21	25 ¹ 25	8 ¹ 58	1 ¹ 58	1 ¹ 54	4 ¹ 45	20 ¹ 45	22 ¹ 9	13 ¹ 31	26 ¹ 18
F 15	7 36 54	24 ¹ 35'29	14 ¹ 14	2 ¹ 56	8 ¹ 6	10 ¹ 18	25 ¹ 19	9 ¹ 2	1 ¹ 57	1 ¹ 56	4 ¹ 47	20 ¹ 47	22 ¹ 6	13 ¹ 38	26 ¹ 18
S 16	7 40 50	25 ¹ 36'36	27 ¹ 22	4 ¹ 37	9 ¹ 11	10 ¹ 14	25 ¹ 13	9 ¹ 5	1 ¹ 55	1 ¹ 57	4 ¹ 49	20 ¹ R47	22 ¹ 3	13 ¹ 45	26 ¹ 18
S 17	7 44 47	26 ¹ 37'42	10 ¹ 55	6 ¹ 18	10 ¹ 17	10 ¹ 10	25 ¹ 7	9 ¹ 9	1 ¹ 54	1 ¹ 58	4 ¹ 51	20 ¹ 46	22 ¹ 0	13 ¹ 51	26 ¹ 19
M 18	7 48 43	27 ¹ 38'48	24 ¹ 55	8 ¹ 0	11 ¹ 22	10 ¹ 4	25 ¹ 0	9 ¹ 13	1 ¹ 53	1 ¹ 59	4 ¹ 52	20 ¹ 45	21 ¹ 57	13 ¹ 58	26 ¹ 20
T 19	7 52 40	28 ¹ 39'52	9 ¹ II20	9 ¹ 41	12 ¹ 28	9 ¹ 58	24 ¹ 54	9 ¹ 17	1 ¹ 52	2 ¹ 0	4 ¹ 54	20 ¹ 42	21 ¹ 53	14 ¹ 5	26 ¹ 20
W 20	7 56 37	29 ¹ 40'56	24 ¹ 9	11 ¹ 22	13 ¹ 34	9 ¹ 51	24 ¹ 47	9 ¹ 21	1 ¹ 51	2 ¹ 2	4 ¹ 56	20 ¹ 39	21 ¹ 50	14 ¹ 11	26 ¹ 21
T 21	8 0 33	0 ¹ 41'59	9 ¹ II14	13 ¹ 3	14 ¹ 40	9 ¹ 43	24 ¹ 41	9 ¹ 25	1 ¹ 50	2 ¹ 3	4 ¹ 58	20 ¹ 36	21 ¹ 47	14 ¹ 18	26 ¹ 22
F 22	8 4 30	1 ¹ 43'02	24 ¹ 27	14 ¹ 43	15 ¹ 46	9 ¹ 34	24 ¹ 34	9 ¹ 29	1 ¹ 49	2 ¹ 4	5 ¹ 0	20 ¹ 34	21 ¹ 44	14 ¹ 25	26 ¹ 23
S 23	8 8 26	2 ¹ 44'03	9 ¹ Q38	16 ¹ 23	16 ¹ 53	9 ¹ 25	24 ¹ 27	9 ¹ 34	1 ¹ 48	2 ¹ 5	5 ¹ 2	20 ¹ 33	21 ¹ 41	14 ¹ 31	26 ¹ 24
S 24	8 12 23	3 ¹ 45'04	24 ¹ 37	18 ¹ 2	18 ¹ 0	9 ¹ 15	24 ¹ 20	9 ¹ 38	1 ¹ 47	2 ¹ 7	5 ¹ 4	20 ¹ D33	21 ¹ 38	14 ¹ 38	26 ¹ 25
M 25	8 16 19	4 ¹ 46'04	9 ¹ II16	19 ¹ 39	19 ¹ 7	9 ¹ 4	24 ¹ 13	9 ¹ 43	1 ¹ 46	2 ¹ 8	5 ¹ 6	20 ¹ 33	21 ¹ 34	14 ¹ 45	26 ¹ 26
T 26	8 20 16	5 ¹ 47'04	23 ¹ 31	21 ¹ 15	20 ¹ 14	8 ¹ 52	24 ¹ 6	9 ¹ 47	1 ¹ 46	2 ¹ 10	5 ¹ 8	20 ¹ 34	21 ¹ 31	14 ¹ 51	26 ¹ 27
W 27	8 24 12	6 ¹ 48'02	7 ¹ II18	22 ¹ 50	21 ¹ 22	8 ¹ 39	23 ¹ 59	9 ¹ 52	1 ¹ 45	2 ¹ 11	5 ¹ 10	20 ¹ 36	21 ¹ 28	14 ¹ 58	26 ¹ 28
T 28	8 28 9	7 ¹ 49'01	20 ¹ 37	24 ¹ 22	22 ¹ 29	8 ¹ 26	23 ¹ 51	9 ¹ 57	1 ¹ 44	2 ¹ 13	5 ¹ 12	20 ¹ 37	21 ¹ 25	15 ¹ 5	26 ¹ 29
F 29	8 32 6	8 ¹ 49'59	3 ¹ II32	25 ¹ 51	23 ¹ 37	8 ¹ 12	23 ¹ 44	10 ¹ 1	1 ¹ 44	2 ¹ 14	5 ¹ 13	20 ¹ R37	21 ¹ 22	15 ¹ 11	26 ¹ 30
S 30	8 36 2	9 ¹ 50'56	16 ¹ 6	27 ¹ 17	24 ¹ 45	7 ¹ 57	23 ¹ 36	10 ¹ 6	1 ¹ 43	2 ¹ 16	5 ¹ 15	20 ¹ 37	21 ¹ 19	15 ¹ 18	26 ¹ 32
S 31	8 39 59	10 ¹ 51'52	28 ¹ II22	28 ¹ 38	25 ¹ 53	7 ¹ II41	23 ¹ Q29	10 ¹ Y11	1 ¹ II43	2 ¹ Y17	5 ¹ 17	20 ¹ 37	21 ¹ 15	15 ¹ 25	26 ¹ Y33

Delta T = 82.69 sec.

FEBRUARY 2027

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	8 43 55	11 ¹ 52'48	10 ¹ 25	29 ¹ 56	27 ¹ ♂ 1	7°R25	23°R21	10°Y16	1°R42	2°Y19	5 ¹ 19	20°R36	21 ¹ 12	15 ¹ 31	26°Y34	
T 2	8 47 52	12°53'43	22°20	1 ¹ ♂ 7	28°10	7 ¹ ♂ 8	23 ¹ Q14	10°21	1 ¹ II42	2°20	5°21	20 ¹ 35	21° 9	15°38	26°36	
W 3	8 51 48	13°54'38	4 ¹ 310	2°13	29°18	6°50	23° 6	10°27	1°42	2°22	5°23	20°33	21° 6	15°45	26°37	
T 4	8 55 45	14°55'31	15°58	3°12	0 ¹ 327	6°32	22°58	10°32	1°41	2°24	5°25	20°33	21° 3	15°52	26°39	
F 5	8 59 41	15°56'23	27°47	4° 3	1°36	6°13	22°50	10°37	1°41	2°25	5°27	20°32	20°59	15°58	26°40	
S 6	9 3 38	16°57'15	9 ¹ 41	4°46	2°45	5°54	22°42	10°43	1°41	2°27	5°29	20°32	20°56	16° 5	26°42	
S 7	9 7 35	17°58'05	21°40	5°19	3°54	5°34	22°34	10°48	1°41	2°29	5°30	20°D32	20°53	16°12	26°44	
M 8	9 11 31	18°58'53	3 ¹ ♂47	5°43	5° 4	5°13	22°26	10°54	1°41	2°31	5°32	20°32	20°50	16°18	26°46	
T 9	9 15 28	19°59'41	16° 4	5°56	6°13	4°52	22°18	10°59	1°D41	2°32	5°34	20°32	20°47	16°25	26°47	
W 10	9 19 24	21° 0'27	28°32	5°R58	7°22	4°30	22°11	11° 5	1°41	2°34	5°36	20°R32	20°44	16°32	26°49	
T 11	9 23 21	22° 1'11	11°Y12	5°50	8°32	4° 8	22° 3	11°11	1°41	2°36	5°38	20°32	20°40	16°38	26°51	
F 12	9 27 17	23° 1'55	24° 8	5°31	9°42	3°46	21°55	11°17	1°41	2°38	5°40	20°31	20°37	16°45	26°53	
S 13	9 31 14	24° 2'36	7 ¹ Q20	5° 2	10°52	3°23	21°47	11°23	1°41	2°40	5°42	20°31	20°34	16°52	26°55	
S 14	9 35 10	25° 3'16	20°50	4°23	12° 1	3° 0	21°39	11°29	1°42	2°41	5°43	20°D31	20°31	16°58	26°57	
M 15	9 39 7	26° 3'54	4 ¹ II40	3°35	13°11	2°37	21°31	11°35	1°42	2°43	5°45	20°31	20°28	17° 5	26°59	
T 16	9 43 4	27° 4'31	18°48	2°40	14°22	2°13	21°23	11°41	1°42	2°45	5°47	20°31	20°25	17°12	27° 1	
W 17	9 47 0	28° 5'06	3 ¹ II15	1°39	15°32	1°49	21°15	11°47	1°43	2°47	5°49	20°32	20°21	17°18	27° 4	
T 18	9 50 57	29° 5'39	17°56	0°34	16°42	1°26	21° 7	11°53	1°43	2°49	5°51	20°33	20°18	17°25	27° 6	
F 19	9 54 53	0 ¹ ♂ 6'10	2 ¹ Q47	29 ¹ 27	17°52	1° 2	20°59	11°59	1°44	2°51	5°52	20°33	20°15	17°32	27° 8	
S 20	9 58 50	1° 6'40	17°40	28°19	19° 3	0°38	20°52	12° 6	1°44	2°53	5°54	20°R34	20°12	17°38	27°10	
S 21	10 2 46	2° 7'07	2 ¹ ♂28	27°12	20°13	0°14	20°44	12°12	1°45	2°55	5°56	20°33	20° 9	17°45	27°13	
M 22	10 6 43	3° 7'33	17° 3	26° 8	21°24	29°Q50	20°36	12°18	1°46	2°57	5°58	20°33	20° 5	17°52	27°15	
T 23	10 10 39	4° 7'58	1 ¹ Q20	25° 8	22°35	29°27	20°29	12°25	1°47	2°59	5°59	20°31	20° 2	17°58	27°18	
W 24	10 14 36	5° 8'21	15°13	24°13	23°46	29° 3	20°21	12°31	1°47	3° 1	6° 1	20°29	19°59	18° 5	27°20	
T 25	10 18 33	6° 8'43	28°41	23°24	24°56	28°40	20°14	12°38	1°48	3° 3	6° 3	20°27	19°56	18°12	27°23	
F 26	10 22 29	7° 9'03	11 ¹ ♂43	22°41	26° 7	28°16	20° 7	12°44	1°49	3° 5	6° 4	20°25	19°53	18°18	27°25	
S 27	10 26 26	8° 9'22	24°23	22° 6	27°18	27°54	19°59	12°51	1°50	3° 8	6° 6	20°24	19°50	18°25	27°28	
S 28	10 30 22	9 ¹ ♂ 9'40	6 ¹ ♂43	21 ¹ 38	28 ¹ 39	27 ¹ Q31	19 ¹ Q52	12 ¹ Y58	1 ¹ II51	3°Y10	6 ¹ 8	20°D23	19 ¹ 46	18 ¹ 32	27 ¹ Y30	

SWISS EPHEMERIS for the year 2027

MARCH 2027

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	10 34 19	10°56'18	18°47'18	21°17'29	27°09'19	19°45'19	13°04'13	11°52'11	3°12'12	6°09'09	20°23'20	19°43'19	18°38'18	27°33'27	
T 2	10 38 15	11°10'11	0°34'03	21°00'21	26°04'26	19°38'19	13°11'13	1°53'01	3°14'03	6°11'01	20°24'20	19°40'19	18°45'18	27°36'27	
W 3	10 42 12	12°10'24	12°31'12	20°56'20	2°03'26	26°26'19	13°18'13	1°54'01	3°16'03	6°13'01	20°26'20	19°37'19	18°52'18	27°39'27	
T 4	10 46 08	13°10'35	24°19'24	20°D56	3°14'26	26°5'19	13°25'13	1°56'03	3°18'05	6°14'01	20°28'20	19°34'19	18°58'18	27°41'27	
F 5	10 50 5	14°10'45	6°11'01	21°2'42	25°44'19	19°18'19	13°32'13	1°57'01	3°20'03	6°16'01	20°29'20	19°31'19	19°5'19	27°44'27	
S 6	10 54 2	15°10'53	18°9'18	21°15'21	5°37'25	25°24'19	13°39'13	1°58'01	3°23'05	6°17'01	20°R30	19°27'19	19°12'19	27°47'27	
S 7	10 57 58	16°10'59	0°18'00	21°32'21	6°49'25	25°5'19	13°46'13	1°59'01	3°25'07	6°19'01	20°30'20	19°24'19	19°18'19	27°50'27	
M 8	11 1 55	17°11'04	12°38'12	21°56'21	8°0'24	24°46'18	13°53'13	2°1'03	3°27'09	6°21'01	20°28'20	19°21'19	19°25'19	27°53'27	
T 9	11 5 51	18°11'07	25°12'22	22°24'22	9°12'24	24°28'18	14°0'14	2°2'05	3°29'11	6°22'01	20°25'20	19°18'19	19°32'19	27°56'27	
W 10	11 9 48	19°11'08	8°0'08	22°57'22	10°24'24	24°11'18	14°6'14	2°4'07	3°31'13	6°24'01	20°21'20	19°15'19	19°38'19	27°59'27	
T 11	11 13 44	20°11'06	21°2'23	23°34'23	11°35'23	23°54'18	14°14'14	2°5'09	3°34'19	6°25'01	20°16'20	19°11'19	19°45'19	28°2'27	
F 12	11 17 41	21°11'03	4°18'04	24°15'24	12°47'23	23°38'18	14°21'14	2°7'11	3°36'21	6°27'01	20°11'20	19°8'19	19°52'19	28°5'27	
S 13	11 21 37	22°10'58	17°46'17	25°0'25	13°59'23	23°22'18	14°28'14	2°9'13	3°38'23	6°28'01	20°6'20	19°5'19	19°58'19	28°8'27	
S 14	11 25 34	23°10'50	1°26'01	25°49'25	15°11'23	23°8'18	14°36'14	2°10'15	3°40'25	6°29'01	20°3'20	19°2'19	20°5'19	28°11'27	
M 15	11 29 31	24°10'41	15°17'15	26°41'26	16°22'22	22°54'18	14°43'14	2°12'17	3°42'27	6°31'01	20°1'20	18°59'18	20°12'19	28°14'27	
T 16	11 33 27	25°10'29	29°19'29	27°35'27	17°34'22	22°41'18	14°50'14	2°14'19	3°45'29	6°32'01	20°D 1	18°56'18	20°18'19	28°17'27	
W 17	11 37 24	26°10'15	13°29'13	28°33'28	18°46'22	22°28'18	14°57'14	2°16'21	3°47'31	6°34'01	20°2'20	18°52'18	20°25'19	28°20'27	
T 18	11 41 20	27°09'58	27°48'27	29°34'29	19°58'22	22°17'18	15°5'15	2°17'23	3°49'33	6°35'01	20°3'20	18°49'18	20°31'19	28°23'27	
F 19	11 45 17	28°09'40	12°12'01	0°37'00	21°10'22	22°6'17	15°12'15	2°19'25	3°52'35	6°36'01	20°4'20	18°46'18	20°38'19	28°26'27	
S 20	11 49 13	29°09'19	26°38'26	1°43'01	22°22'22	21°56'17	15°20'15	2°21'27	3°54'37	6°38'01	20°R 4	18°43'18	20°45'19	28°30'27	
S 21	11 53 10	0°09'00	8°55'08	11°10'01	2°51'02	23°34'23	17°50'17	2°23'29	3°56'39	6°39'01	20°3'20	18°40'18	20°51'19	28°33'27	
M 22	11 57 6	1°08'30	25°17'25	4°0'24	24°46'24	21°38'21	17°46'17	2°25'31	3°58'41	6°40'01	19°59'19	18°36'18	20°58'19	28°36'27	
T 23	12 1 3	2°08'02	9°19'09	5°13'05	25°59'25	21°30'21	17°42'17	2°27'33	4°0'41	6°41'01	19°53'19	18°33'18	21°5'19	28°39'27	
W 24	12 5 0	3°07'33	23°05'23	6°27'06	27°11'21	21°23'21	17°38'17	2°29'35	4°0'34	6°42'01	19°46'19	18°30'18	21°11'19	28°42'27	
T 25	12 8 56	4°07'01	6°30'06	7°43'07	28°23'28	21°17'21	17°34'17	2°32'37	4°5'45	6°44'01	19°39'19	18°27'18	21°18'19	28°45'27	
F 26	12 12 53	5°06'28	19°33'09	9°0'29	29°35'29	21°12'21	17°31'17	2°34'39	4°7'47	6°45'01	19°31'19	18°24'18	21°25'19	28°50'27	
S 27	12 16 49	6°05'53	2°14'02	10°21'10	0°47'00	21°7'21	17°27'17	2°36'41	4°10'49	6°46'01	19°25'19	18°21'18	21°31'19	28°54'27	
S 28	12 20 46	7°05'17	14°37'14	11°42'11	2°0'21	21°3'21	17°24'17	2°38'43	4°12'51	6°47'01	19°20'19	18°17'18	21°38'19	28°57'27	
M 29	12 24 42	8°04'38	26°44'26	13°5'13	3°12'03	21°0'21	17°21'17	2°41'45	4°14'53	6°48'01	19°18'19	18°14'18	21°45'19	29°1'27	
T 30	12 28 39	9°03'58	8°34'00	14°30'14	4°24'04	20°58'20	17°19'17	2°43'47	4°17'55	6°49'01	19°D 17	18°11'18	21°51'19	29°4'27	
W 31	12 32 35	10°03'16	20°29'20	15°57'15	5°37'05	20°57'20	17°16'17	2°45'49	4°19'57	6°50'01	19°17'19	18°8'18	21°58'19	29°7'27	

Delta T = 82.95 sec.

APRIL 2027

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Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	12 36 32	11° 2'32	2°18'18	17°18'25	6°48'49	20°R56	17°R14	16°Y49	2°11'48	4°Y21	6°55'51	19°19'19	18°5'18	22°3'5	29°Y11
F 2	12 40 29	12° 1'46	14°12'12	18°54'18	8° 2'08	20°D56	17°D11	16°57'57	2°50'48	4°23'50	6°52'01	19°R20	18° 2'18	22°11'22	29°15'15
S 3	12 44 25	13° 0'58	26°14'26	20°25'20	9°14'09	20°D56	17° 9'17	17° 4'04	2°53'50	4°26'52	6°53'01	19°19'19	17°58'17	22°18'22	29°18'18
S 4	12 48 22	14° 0'09	8°13'30	21°58'21	10°26'26	20°58'20	17° 8'17	17°12'12	2°55'52	4°28'54	6°54'01	19°17'19	17°55'17	22°25'22	29°21'21
M 5	12 52 18	14°59'17	21° 3'23	23°32'23	11°39'21	21° 0'21	17° 6'17	17°19'19	2°58'54	4°30'56	6°55'01	19°13'19	17°52'17	22°31'22	29°25'25
T 6	12 56 15	15°58'24	3°Y53	25° 7'25	12°51'21	21° 3'21	17° 5'17	17°27'3'1	4°32'3'1	6°56'6'56	19° 6'19	17°49'17	22°38'22	29°29'29	
W 7	13 0 11	16°57'29	17° 2'26	26°44'14	14° 4'21	21° 6'17	17° 3'17	17°35'3'3	4°35'3'3	6°57'6'57	18°58'18	17°46'17	22°45'22	29°32'32	
T 8	13 4 8	17°56'32	0°8'29	28°23'28	15°16'21	21°10'21	17° 2'17	17°42'3'6	4°37'3'6	6°58'6'58	18°48'18	17°42'17	22°51'22	29°36'36	
F 9	13 8 4	18°55'32	14°10'00	0°Y'3	16°29'21	21°15'21	17° 1'17	17°50'3'9	4°39'3'9	6°59'6'59	18°38'18	17°39'17	22°58'22	29°40'40	
S 10	13 12 1	19°54'31	28° 3'14	17°42'21	21°21'21	21°21'21	17° 1'17	17°57'3'11	4°41'3'11	6°59'6'59	18°28'18	17°36'17	23° 5'23	29°43'43	
S 11	13 15 57	20°53'27	12°11'04	3°27'03	18°54'21	21°27'21	17° 0'18	18° 5'5	3°14'3'14	4°43'4'43	7° 0'18	18°21'18	17°33'17	23°11'23	29°47'47
M 12	13 19 54	21°52'22	26°10'05	5°12'05	20° 7'20	21°34'21	17° 0'18	18°12'3'17	3°17'3'17	4°46'4'46	7° 1'18	18°16'16	17°30'16	23°18'18	29°50'50
T 13	13 23 51	22°51'13	10°17'00	6°58'06	21°19'21	21°41'21	17°D 0'18	18°20'3'20	3°20'3'20	4°48'4'48	7° 2'18	18°13'13	17°27'17	23°25'25	29°54'54
W 14	13 27 47	23°50'03	24°25'24	8°45'08	22°32'22	21°49'21	17° 0'18	18°28'3'23	3°23'3'23	4°50'4'50	7° 2'18	18°D 13'17	17°23'17	23°31'31	29°58'58
T 15	13 31 44	24°48'50	8°13'01	10°34'10	23°45'23	21°58'21	17° 0'18	18°35'3'26	3°26'3'26	4°52'4'52	7° 3'18	18°13'13	17°20'16	23°38'38	0° 1'1
F 16	13 35 40	25°47'35	22°36'12	12°25'12	24°57'24	22° 7'22	17° 1'18	18°43'3'29	3°29'3'29	4°54'4'54	7° 4'18	18°R 13'17	17°17'17	23°45'45	0° 5'5
S 17	13 39 37	26°46'18	6°10'37	14°17'14	26°10'26	22°17'22	17° 1'18	18°50'3'32	3°32'3'32	4°56'4'56	7° 4'18	18°12'12	17°14'14	23°51'51	0° 9'9
S 18	13 43 33	27°44'58	20°34'16	16°11'11	27°23'27	22°28'22	17° 2'18	18°58'3'35	3°35'3'35	4°59'4'59	7° 5'18	18° 8'17	17°11'11	23°58'58	0°12'12
M 19	13 47 30	28°43'36	4°23'04	18° 6'18	28°35'28	22°39'22	17° 3'19	19° 5'3'38	3°38'3'38	5° 1'7	7° 5'18	18° 2'17	17° 8'17	24° 5'16	0°16'16
T 20	13 51 26	29°42'12	18° 2'20	20° 3'20	29°48'29	22°50'22	17° 4'19	19°13'3'41	3°41'3'41	5° 3'7	7° 6'17	17°53'17	17° 4'17	24°11'11	0°20'20
W 21	13 55 23	0°40'47	11°29'11	22° 1'00	1°Y'1	23° 2'17	17° 6'19	19°20'3'44	3°44'3'44	5° 5'7	7° 6'17	17°42'17	17° 1'17	24°18'18	0°23'23
T 22	13 59 20	1°39'19	14°39'24	2° 1'03	2°13'03	23°15'23	17° 7'19	19°28'3'47	3°47'3'47	5° 7'7	7° 7'17	17°29'17	16°58'58	24°25'25	0°27'27
F 23	14 3 16	2°37'49	27°33'27	3°26'03	3°26'03	23°28'23	17° 9'19	19°35'3'50	3°50'3'50	5° 9'7	7° 7'17	17°17'17	16°55'55	24°31'31	0°31'31
S 24	14 7 13	3°36'18	10°09'09	4°39'09	4°39'09	23°42'23	17°11'19	19°43'3'53	3°53'3'53	5°11'7	7° 8'17	17° 7'16	16°52'52	24°38'38	0°34'34
S 25	14 11 9	4°34'45	22°29'22	0°8'9	5°52'05	23°56'23	17°13'19	19°50'3'56	3°56'3'56	5°13'7	7° 8'16	16°58'58	16°48'48	24°45'45	0°38'38
M 26	14 15 6	5°33'11	4°35'04	2°14'04	7° 4'04	24°11'24	17°15'19	19°57'3'59	3°59'3'59	5°15'7	7° 9'16	16°52'52	16°45'45	24°51'51	0°42'42
T 27	14 19 2	6°31'34	16°30'16	4°20'04	8°17'08	24°26'24	17°18'20	20° 5'4	4° 2'5	5°17'7	7° 9'16	16°48'48	16°42'42	24°58'58	0°45'45
W 28	14 22 59	7°29'57	28°20'28	6°28'06	9°30'09	24°41'24	17°20'20	20°12'4	4° 6'5	5°19'7	7° 9'16	16°46'46	16°39'39	25° 4'4	0°49'49
T 29	14 26 56	8°28'17	10°09'09	8°36'06	10°43'10	24°57'24	17°23'20	20°19'4	4° 9'5	5°21'7	7° 9'16	16°46'46	16°36'36	25°11'11	0°53'53
F 30	14 30 52	9°26'36	22°03'3	10°8'45	11°Y'56	25°D14'17	17°D26'20	20°Y'27	4°11'12	5°Y'23	7°10'16	16°03'33	16°03'33	25°3'18	0°56'56

SWISS EPHEMERIS for the year 2027

MAY 2027

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	14 34 49	10824'53	48 7	12854	139 9	25831	17829	20934	4115	5925	7810	16845	16829	25824	18 0
S 2	14 38 45	11°23'09	16°26	15° 3	14°21	25°48	17°33	20°41	4°19	5°27	7°10	16°43	16°26	25°31	1° 3
M 3	14 42 42	12°21'24	29° 5	17°13	15°34	26° 6	17°36	20°49	4°22	5°29	7°10	16°37	16°23	25°38	1° 7
T 4	14 46 38	13°19'36	129 6	19°22	16°47	26°24	17°40	20°56	4°25	5°31	7°10	16°30	16°20	25°44	1°11
W 5	14 50 35	14°17'48	25°31	21°30	18° 0	26°42	17°44	21° 3	4°29	5°33	7°11	16°19	16°17	25°51	1°14
T 6	14 54 31	15°15'57	9818	23°37	19°13	27° 1	17°48	21°10	4°32	5°35	7°11	16° 8	16°13	25°58	1°18
F 7	14 58 28	16°14'05	23°24	25°43	20°26	27°21	17°52	21°17	4°35	5°36	7°11	15°56	16°10	26° 4	1°21
S 8	15 2 24	17°12'12	71143	27°47	21°39	27°40	17°56	21°24	4°39	5°38	7°11	15°44	16° 7	26°11	1°25
S 9	15 6 21	18°10'16	22°10	29°50	22°52	28° 0	18° 1	21°31	4°42	5°40	7°11	15°35	16° 4	26°18	1°28
M10	15 10 18	19° 8'19	6838	11151	24° 4	28°21	18° 5	21°39	4°46	5°42	7°11	15°29	16° 1	26°24	1°32
T 11	15 14 14	20° 6'20	21° 3	3°49	25°17	28°42	18°10	21°46	4°49	5°44	7°11	15°25	15°58	26°31	1°36
W12	15 18 11	21° 4'19	5820	5°44	26°30	29° 3	18°15	21°52	4°52	5°45	7°11	15°24	15°54	26°38	1°39
T 13	15 22 7	22° 2'17	19°28	7°37	27°43	29°25	18°20	21°59	4°56	5°47	7°10	15°24	15°51	26°44	1°43
F 14	15 26 4	23° 0'12	31125	9°27	28°56	29°46	18°25	22° 6	4°59	5°49	7°10	15°23	15°48	26°51	1°46
S 15	15 30 0	23°58'05	17°12	11°14	08 9	011 9	18°31	22°13	5° 3	5°50	7°10	15°22	15°45	26°58	1°49
S 16	15 33 57	24°55'57	0849	12°58	1°22	0°31	18°36	22°20	5° 6	5°52	7°10	15°18	15°42	27° 4	1°53
M17	15 37 53	25°53'47	14°15	14°39	2°35	0°54	18°42	22°27	5°10	5°54	7°10	15°12	15°39	27°11	1°56
T 18	15 41 50	26°51'35	27°30	16°17	3°48	1°17	18°48	22°33	5°13	5°55	7° 9	15° 2	15°35	27°18	2° 0
W19	15 45 47	27°49'22	101134	17°51	5° 1	1°40	18°54	22°40	5°17	5°57	7° 9	14°51	15°32	27°24	2° 3
T 20	15 49 43	28°47'07	23°25	19°21	6°14	2° 4	19° 0	22°47	5°20	5°58	7° 9	14°39	15°29	27°31	2° 6
F 21	15 53 40	29°44'51	68 3	20°49	7°27	2°28	19° 7	22°53	5°24	6° 0	7° 9	14°26	15°26	27°38	2°10
S 22	15 57 36	01142'34	18°27	22°12	8°40	2°52	19°13	23° 0	5°27	6° 1	7° 8	14°15	15°23	27°44	2°13
S 23	16 1 33	1°40'15	0839	23°33	9°53	3°17	19°20	23° 6	5°31	6° 3	7° 8	14° 6	15°19	27°51	2°16
M24	16 5 29	2°37'55	12°40	24°49	11° 6	3°42	19°26	23°13	5°34	6° 4	7° 7	13°59	15°16	27°57	2°20
T 25	16 9 26	3°35'34	24°33	26° 2	12°19	4° 7	19°33	23°19	5°38	6° 6	7° 7	13°55	15°13	28° 4	2°23
W26	16 13 23	4°33'12	6821	27°11	13°32	4°32	19°40	23°26	5°41	6° 7	7° 7	13°53	15°10	28°11	2°26
T 27	16 17 19	5°30'49	18° 9	28°17	14°45	4°58	19°47	23°32	5°45	6° 9	7° 6	13°53	15° 7	28°17	2°29
F 28	16 21 16	6°28'25	08 3	29°18	15°58	5°24	19°55	23°38	5°48	6°10	7° 6	13°54	15° 4	28°24	2°33
S 29	16 25 12	7°26'00	12° 6	0816	17°11	5°50	20° 2	23°44	5°52	6°11	7° 5	13°54	15° 0	28°31	2°36
S 30	16 29 9	8°23'34	24°26	1°10	18°24	6°16	20° 9	23°51	5°55	6°13	7° 4	13°52	14°57	28°37	2°39
M31	16 33 5	91121'07	79 5	28 0	19837	61143	20817	23957	51159	6914	78 4	13849	14854	28844	2842

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	16 37 2	10118'40	20910	2846	20850	711 9	20825	249 3	611 2	6915	78 3	13844	14851	28851	2845
W 2	16 40 58	11°16'12	3841	3°27	22° 3	7°36	20°33	24° 9	6° 6	6°16	78 3	13836	14°48	28°57	2°48
T 3	16 44 55	12°13'42	17°38	4° 4	23°16	8° 4	20°41	24°15	6° 9	6°17	7° 2	13°27	14°45	29° 4	2°51
F 4	16 48 52	13°11'12	11159	4°37	24°29	8°31	20°49	24°20	6°13	6°19	7° 1	13°18	14°41	29°11	2°54
S 5	16 52 48	14° 8'42	16°38	5° 6	25°42	8°59	20°57	24°26	6°16	6°20	7° 1	13° 9	14°38	29°17	2°57
S 6	16 56 45	15° 6'10	1828	5°30	26°56	9°27	21° 6	24°32	6°20	6°21	7° 0	13° 2	14°35	29°24	3° 0
M 7	17 0 41	16° 3'37	16°19	5°49	28° 9	9°55	21°14	24°38	6°23	6°22	6°59	12°57	14°32	29°31	3° 3
T 8	17 4 38	17° 1'03	18 6	6° 4	29°22	10°23	21°23	24°43	6°27	6°23	6°58	12°54	14°29	29°37	3° 6
W 9	17 8 34	17°58'28	15°41	6°15	01135	10°52	21°31	24°49	6°30	6°24	6°58	12°54	14°25	29°44	3° 9
T 10	17 12 31	18°55'52	011 0	6°20	1°48	11°21	21°40	24°54	6°34	6°25	6°57	12°54	14°22	29°51	3°11
F 11	17 16 27	19°53'14	14° 2	6°R22	3° 1	11°50	21°49	25° 0	6°37	6°26	6°56	12°R55	14°19	29°57	3°14
S 12	17 20 24	20°50'36	27°46	6°18	4°14	12°19	21°58	25° 5	6°41	6°27	6°55	12°55	14°16	08 4	3°17
S 13	17 24 21	21°47'56	11113	6°11	5°28	12°48	22° 7	25°10	6°44	6°28	6°54	12°53	14°13	0°10	3°20
M14	17 28 17	22°45'16	24°25	5°59	6°41	13°18	22°16	25°16	6°47	6°29	6°53	12°49	14°10	0°17	3°22
T 15	17 32 14	23°42'34	71123	5°43	7°54	13°47	22°26	25°21	6°51	6°29	6°52	12°44	14° 6	0°24	3°25
W16	17 36 10	24°39'52	20° 7	5°23	9° 7	14°17	22°35	25°26	6°54	6°30	6°51	12°36	14° 3	0°30	3°28
T 17	17 40 7	25°37'09	2839	5° 0	10°20	14°47	22°45	25°31	6°58	6°31	6°50	12°28	14° 0	0°37	3°30
F 18	17 44 3	26°34'26	15° 0	4°33	11°34	15°18	22°54	25°36	7° 1	6°32	6°49	12°20	13°57	0°44	3°33
S 19	17 48 0	27°31'41	27°11	4° 4	12°47	15°48	23° 4	25°41	7° 4	6°32	6°48	12°12	13°54	0°50	3°35
S 20	17 51 56	28°28'57	9813	3°33	14° 0	16°19	23°14	25°46	7° 8	6°33	6°47	12° 6	13°51	0°57	3°38
M21	17 55 53	29°26'11	21° 8	3° 0	15°13	16°49	23°24	25°50	7°11	6°34	6°46	12° 2	13°47	1° 4	3°40
T 22	17 59 50	0823'26	2857	2°26	16°27	17°20	23°34	25°55	7°14	6°34	6°45	12° 0	13°44	1°10	3°42
W23	18 3 46	1°20'40	14°44	1°51	17°40	17°51	23°44	25°59	7°18	6°35	6°44	12°D 0	13°41	1°17	3°45
T 24	18 7 43	2°17'53	26°32	1°17	18°53	18°23	23°54	26° 4	7°21	6°35	6°43	12° 0	13°38	1°24	3°47
F 25	18 11 39	3°15'07	8826	0°43	20° 7	18°54	24° 4	26° 8	7°24	6°36	6°42	12° 2	13°35	1°30	3°49
S 26	18 15 36	4°12'20	20°30	0°10	21°20	19°25	24°15	26°13	7°27	6°36	6°41	12° 3	13°31	1°37	3°51
S 27	18 19 32	5° 9'34	2948	291139	22°33	19°57	24°25	26°17	7°31	6°37	6°40	12°R 4	13°28	1°44	3°53
M28	18 23 29	6° 6'47	15°26	29°10	23°47	20°29	24°36	26°21	7°34	6°37	6°39	12° 4	13°25	1°50	3°56
T 29	18 27 25	7° 4'01	28°28	28°44	25° 0	21° 1	24°46	26°25	7°37	6°38	6°38	12° 2	13°22	1°57	3°58
W30	18 31 22	88 1'14	11857	281121	261113	211133	24857	26929	71140	6938	6836	11859	13819	2884	48 0

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SWISS EPHEMERIS for the year 2027

JULY 2027

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	18 35 19	8°58'28"	25°53'	28°R 2	27°II27	22°II 5	25°II 8	26°V33	7°II43	6°V38	6°R35	11°R55	13°II16	2°II10	4°R 2
F 2	18 39 15	9°55'42"	10°II17	27°II47	28°40	22°38	25°19	26°37	7°46	6°39	6°II34	11°II50	13°12	2°17	4° 4
S 3	18 43 12	10°52'56"	25° 2	27°36	29°54	23°10	25°29	26°41	7°49	6°39	6°33	11°46	13° 9	2°23	4° 5
S 4	18 47 8	11°50'10"	10°II 3	27°30	1°II 7	23°43	25°40	26°44	7°53	6°39	6°32	11°42	13° 6	2°30	4° 7
M 5	18 51 5	12°47'24"	25°10	27°D28	2°21	24°16	25°51	26°48	7°56	6°39	6°30	11°40	13° 3	2°37	4° 9
T 6	18 55 1	13°44'37"	10°II15	27°32	3°34	24°49	26° 3	26°51	7°59	6°39	6°29	11°D39	13° 0	2°43	4°11
W 7	18 58 58	14°41'51"	25° 8	27°40	4°48	25°22	26°14	26°55	8° 2	6°39	6°28	11°40	12°57	2°50	4°13
T 8	19 2 55	15°39'04"	9°II44	27°53	6° 1	25°55	26°25	26°58	8° 5	6°40	6°27	11°41	12°53	2°57	4°14
F 9	19 6 51	16°36'17"	23°58	28°12	7°15	26°29	26°36	27° 1	8° 8	6°40	6°25	11°42	12°50	3° 3	4°16
S 10	19 10 48	17°33'30"	7°II48	28°35	8°28	27° 2	26°48	27° 4	8°10	6°R40	6°24	11°43	12°47	3°10	4°17
S 11	19 14 44	18°30'43"	21°16	29° 4	9°42	27°36	26°59	27° 7	8°13	6°40	6°23	11°R43	12°44	3°17	4°19
M 12	19 18 41	19°27'55"	4°II23	29°38	10°56	28°10	27°11	27°10	8°16	6°40	6°21	11°43	12°41	3°23	4°20
T 13	19 22 37	20°25'08"	17°11	0°II17	12° 9	28°44	27°22	27°13	8°19	6°39	6°20	11°41	12°37	3°30	4°22
W 14	19 26 34	21°22'21"	29°43	1° 1	13°23	29°18	27°34	27°16	8°22	6°39	6°19	11°39	12°34	3°37	4°23
T 15	19 30 30	22°19'33"	12°II 2	1°50	14°36	29°52	27°46	27°19	8°25	6°39	6°17	11°36	12°31	3°43	4°24
F 16	19 34 27	23°16'46"	24°10	2°44	15°50	0°II26	27°57	27°21	8°27	6°39	6°16	11°33	12°28	3°50	4°26
S 17	19 38 24	24°13'59"	6°II 9	3°43	17° 4	1° 1	28° 9	27°24	8°30	6°39	6°15	11°30	12°25	3°57	4°27
S 18	19 42 20	25°11'13"	18° 3	4°47	18°17	1°35	28°21	27°26	8°33	6°39	6°13	11°28	12°22	4° 3	4°28
M 19	19 46 17	26° 8'27"	29°52	5°56	19°31	2°10	28°33	27°28	8°35	6°38	6°12	11°27	12°18	4°10	4°29
T 20	19 50 13	27° 5'41"	11°II40	7° 9	20°45	2°44	28°45	27°31	8°38	6°38	6°10	11°D27	12°15	4°16	4°30
W 21	19 54 10	28° 2'55"	23°28	8°27	21°59	3°19	28°57	27°33	8°40	6°38	6° 9	11°27	12°12	4°23	4°31
T 22	19 58 6	29° 0'10"	5°II20	9°49	23°12	3°54	29° 9	27°35	8°43	6°37	6° 8	11°28	12° 9	4°30	4°32
F 23	20 2 3	29°57'26"	17°17	11°16	24°26	4°29	29°21	27°36	8°46	6°37	6° 6	11°29	12° 6	4°36	4°33
S 24	20 5 59	0°II54'43"	29°25	12°47	25°40	5° 5	29°33	27°38	8°48	6°36	6° 5	11°30	12° 3	4°43	4°34
S 25	20 9 56	1°52'00"	11°V45	14°22	26°54	5°40	29°45	27°40	8°50	6°36	6° 4	11°31	11°59	4°50	4°35
M 26	20 13 53	2°49'18"	24°23	16° 1	28° 8	6°15	29°58	27°41	8°53	6°35	6° 2	11°31	11°56	4°56	4°35
T 27	20 17 49	3°46'38"	7°II22	17°44	29°21	6°51	0°II10	27°43	8°55	6°35	6° 1	11°R31	11°53	5° 3	4°36
W 28	20 21 46	4°43'58"	20°45	19°30	0°II35	7°27	0°22	27°44	8°57	6°34	5°59	11°31	11°50	5°10	4°37
T 29	20 25 42	5°41'19"	4°II33	21°20	1°49	8° 2	0°35	27°46	9° 0	6°34	5°58	11°31	11°47	5°16	4°37
F 30	20 29 39	6°38'42"	18°48	23°13	3° 3	8°38	0°47	27°47	9° 2	6°33	5°57	11°30	11°43	5°23	4°38
S 31	20 33 35	7°II36'05"	3°II26	25°II 8	4°II17	9°II14	0°II59	27°V48	9°II 4	6°V33	5°II55	11°II30	11°II40	5°II30	4°II38

Delta T = 83.49 sec.

AUGUST 2027

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	20 37 32	8°II33'29"	18°II24	27°II 6	5°II31	9°II50	1°II12	27°V49	9°II 6	6°R32	5°R54	11°R29	11°II37	5°II36	4°R39
M 2	20 41 28	9°30'55"	3°II32	29° 5	6°45	10°26	1°24	27°50	9° 9	6°V31	5°II52	11°II29	11°34	5°43	4°39
T 3	20 45 25	10°28'21"	18°43	1°II 7	7°59	11° 3	1°37	27°50	9°11	6°30	5°51	11°D29	11°31	5°50	4°39
W 4	20 49 22	11°25'48"	3°II47	3° 9	9°13	11°39	1°50	27°51	9°13	6°30	5°50	11°R29	11°28	5°56	4°40
T 5	20 53 18	12°23'15"	18°35	5°13	10°27	12°16	2° 2	27°52	9°15	6°29	5°48	11°29	11°24	6° 3	4°40
F 6	20 57 15	13°20'44"	3°II 2	7°17	11°41	12°52	2°15	27°52	9°17	6°28	5°47	11°29	11°21	6° 9	4°40
S 7	21 1 11	14°18'13"	17° 3	9°22	12°55	13°29	2°27	27°52	9°19	6°27	5°45	11°29	11°18	6°16	4°40
S 8	21 5 8	15°15'43"	0°II38	11°26	14° 9	14° 6	2°40	27°53	9°20	6°26	5°44	11°29	11°15	6°23	4°R40
M 9	21 9 4	16°13'13"	13°47	13°31	15°23	14°43	2°53	27°53	9°22	6°25	5°43	11°D29	11°12	6°29	4°40
T 10	21 13 1	17°10'45"	26°33	15°35	16°37	15°20	3° 6	27°R53	9°24	6°25	5°41	11°29	11° 9	6°36	4°40
W 11	21 16 57	18° 8'17"	9°II 0	17°38	17°51	15°57	3°18	27°53	9°26	6°24	5°40	11°29	11° 5	6°43	4°40
T 12	21 20 54	19° 5'50"	21°12	19°41	19° 6	16°34	3°31	27°53	9°28	6°23	5°39	11°30	11° 2	6°49	4°40
F 13	21 24 51	20° 3'25"	3°II12	21°42	20°20	17°11	3°44	27°52	9°29	6°22	5°37	11°30	10°59	6°56	4°39
S 14	21 28 47	21° 1'00"	15° 5	23°43	21°34	17°49	3°57	27°52	9°31	6°21	5°36	11°31	10°56	7° 3	4°39
S 15	21 32 44	21°58'36"	26°54	25°42	22°48	18°26	4°10	27°51	9°32	6°19	5°35	11°32	10°53	7° 9	4°39
M 16	21 36 40	22°56'13"	8°II41	27°40	24° 2	19° 4	4°23	27°51	9°34	6°18	5°33	11°R32	10°49	7°16	4°38
T 17	21 40 37	23°53'51"	20°30	29°37	25°16	19°42	4°36	27°50	9°35	6°17	5°32	11°32	10°46	7°23	4°38
W 18	21 44 33	24°51'31"	2°II23	1°II33	26°31	20°19	4°49	27°49	9°37	6°16	5°31	11°32	10°43	7°29	4°37
T 19	21 48 30	25°49'12"	14°22	3°27	27°45	20°57	5° 1	27°48	9°38	6°15	5°29	11°30	10°40	7°36	4°37
F 20	21 52 26	26°46'54"	26°29	5°19	28°59	21°35	5°14	27°47	9°40	6°14	5°28	11°28	10°37	7°42	4°36
S 21	21 56 23	27°44'38"	8°V46	7°11	0°II13	22°13	5°27	27°46	9°41	6°13	5°27	11°26	10°34	7°49	4°36
S 22	22 0 20	28°42'23"	21°15	9° 1	1°28	22°51	5°40	27°45	9°42	6°11	5°25	11°23	10°30	7°56	4°35
M 23	22 4 16	29°40'10"	3°II59	10°49	2°42	23°30	5°53	27°44	9°43	6°10	5°24	11°21	10°27	8° 2	4°34
T 24	22 8 13	0°II37'59"	16°59	12°36	3°56	24° 8	6° 6	27°42	9°45	6° 9	5°23	11°20	10°24	8° 9	4°33
W 25	22 12 9	1°35'49"	0°II19	14°22	5°10	24°46	6°19	27°41	9°46	6° 8	5°22	11°D19	10°21	8°16	4°32
T 26	22 16 6	2°33'42"	13°59	16° 7	6°25	25°25	6°32	27°39	9°47	6° 6	5°21	11°20	10°18	8°22	4°31
F 27	22 20 2	3°31'36"	28° 1	17°50	7°39	26° 3	6°45	27°38	9°48	6° 5	5°19	11°21	10°15	8°29	4°30
S 28	22 23 59	4°29'32"	12°II24	19°32	8°53	26°42	6°58	27°36	9°49	6° 4	5°18	11°22	10°11	8°36	4°29
S 29	22 27 55	5°27'29"	27° 5	21°12	10° 8	27°21	7°11	27°34	9°50	6° 2	5°17	11°23	10° 8	8°42	4°28
M 30	22 31 52	6°25'29"	12°II 0	22°51	11°22	28° 0	7°24	27°32	9°50	6° 1	5°16	11°R24	10° 5	8°49	4°27
T 31	22 35 49	7°II23'30"	27°II 2	24°II29	12°II37	28°II39	7°II38	27°V30	9°II51	6°V 0	5°II15	11°II23	10°II 2	8°II56	4°II26

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SWISS EPHEMERIS for the year 2027

SEPTEMBER 2027

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	22 39 45	8 ^h 21'32"	12 ^h 03'	26 ^h 06'	13 ^h 51'	29 ^h 18'	7 ^h 51'	27 ^h 27'	9 ^h 52'	5 ^h 58'	5 ^h 14'	11 ^h 21'	9 ^h 59'	9 ^h 22'	4 ^h 25'
T 2	22 43 42	9 ^h 19'37"	26 ^h 53'	27 ^h 41'	15 ^h 05'	29 ^h 57'	8 ^h 04'	27 ^h 25'	9 ^h 53'	5 ^h 57'	5 ^h 12'	11 ^h 18'	9 ^h 55'	9 ^h 09'	4 ^h 23'
F 3	22 47 38	10 ^h 17'42"	11 ^h 12'24"	29 ^h 15'	16 ^h 20'	0 ^h 36'	8 ^h 17'	27 ^h 23'	9 ^h 53'	5 ^h 55'	5 ^h 11'	11 ^h 14'	9 ^h 52'	9 ^h 16'	4 ^h 22'
S 4	22 51 35	11 ^h 15'50"	25 ^h 32'	0 ^h 48'	17 ^h 34'	1 ^h 16'	8 ^h 30'	27 ^h 20'	9 ^h 54'	5 ^h 54'	5 ^h 10'	11 ^h 09'	9 ^h 49'	9 ^h 22'	4 ^h 21'
S 5	22 55 31	12 ^h 13'59"	9 ^h 14'	2 ^h 19'	18 ^h 49'	1 ^h 55'	8 ^h 43'	27 ^h 18'	9 ^h 55'	5 ^h 52'	5 ^h 09'	11 ^h 05'	9 ^h 46'	9 ^h 29'	4 ^h 19'
M 6	22 59 28	13 ^h 12'09"	22 ^h 28'	3 ^h 50'	20 ^h 03'	2 ^h 34'	8 ^h 56'	27 ^h 15'	9 ^h 55'	5 ^h 51'	5 ^h 08'	11 ^h 02'	9 ^h 43'	9 ^h 35'	4 ^h 18'
T 7	23 03 24	14 ^h 10'21"	5 ^h 17'	5 ^h 19'	21 ^h 17'	3 ^h 14'	9 ^h 09'	27 ^h 12'	9 ^h 56'	5 ^h 49'	5 ^h 07'	11 ^h 01'	9 ^h 40'	9 ^h 42'	4 ^h 16'
W 8	23 07 21	15 ^h 08'34"	17 ^h 44'	6 ^h 46'	22 ^h 32'	3 ^h 54'	9 ^h 22'	27 ^h 10'	9 ^h 56'	5 ^h 48'	5 ^h 06'	11 ^h 00'	9 ^h 36'	9 ^h 49'	4 ^h 15'
T 9	23 11 18	16 ^h 06'49"	29 ^h 54'	8 ^h 13'	23 ^h 46'	4 ^h 33'	9 ^h 35'	27 ^h 07'	9 ^h 56'	5 ^h 46'	5 ^h 05'	11 ^h 01'	9 ^h 33'	9 ^h 55'	4 ^h 13'
F 10	23 15 14	17 ^h 05'05"	11 ^h 52'	9 ^h 38'	25 ^h 01'	5 ^h 13'	9 ^h 48'	27 ^h 04'	9 ^h 57'	5 ^h 45'	5 ^h 04'	11 ^h 03'	9 ^h 30'	10 ^h 02'	4 ^h 11'
S 11	23 19 11	18 ^h 03'23"	23 ^h 42'	11 ^h 02'	26 ^h 15'	5 ^h 53'	10 ^h 01'	27 ^h 01'	9 ^h 57'	5 ^h 43'	5 ^h 03'	11 ^h 04'	9 ^h 27'	10 ^h 09'	4 ^h 10'
S 12	23 23 07	19 ^h 01'42"	5 ^h 29'	12 ^h 24'	27 ^h 30'	6 ^h 33'	10 ^h 14'	26 ^h 57'	9 ^h 57'	5 ^h 42'	5 ^h 02'	11 ^h 06'	9 ^h 24'	10 ^h 15'	4 ^h 08'
M 13	23 27 04	20 ^h 00'03"	17 ^h 18'	13 ^h 46'	28 ^h 44'	7 ^h 13'	10 ^h 27'	26 ^h 54'	9 ^h 57'	5 ^h 40'	5 ^h 01'	11 ^h 05'	9 ^h 21'	10 ^h 22'	4 ^h 06'
T 14	23 31 00	20 ^h 58'26"	29 ^h 11'	15 ^h 05'	29 ^h 59'	7 ^h 54'	10 ^h 40'	26 ^h 51'	9 ^h 57'	5 ^h 38'	5 ^h 01'	11 ^h 04'	9 ^h 17'	10 ^h 29'	4 ^h 04'
W 15	23 34 57	21 ^h 56'50"	11 ^h 12'	16 ^h 24'	1 ^h 13'	8 ^h 34'	10 ^h 52'	26 ^h 47'	9 ^h 57'	5 ^h 37'	5 ^h 00'	11 ^h 00'	9 ^h 14'	10 ^h 35'	4 ^h 02'
T 16	23 38 53	22 ^h 55'16"	23 ^h 22'	17 ^h 40'	2 ^h 28'	9 ^h 14'	11 ^h 05'	26 ^h 44'	9 ^h 57'	5 ^h 35'	4 ^h 59'	10 ^h 55'	9 ^h 11'	10 ^h 42'	4 ^h 01'
F 17	23 42 50	23 ^h 53'44"	5 ^h 43'	18 ^h 56'	3 ^h 42'	9 ^h 54'	11 ^h 18'	26 ^h 40'	9 ^h 57'	5 ^h 33'	4 ^h 58'	10 ^h 48'	9 ^h 08'	10 ^h 49'	3 ^h 59'
S 18	23 46 47	24 ^h 52'14"	18 ^h 16'	20 ^h 09'	4 ^h 57'	10 ^h 35'	11 ^h 31'	26 ^h 37'	9 ^h 57'	5 ^h 32'	4 ^h 57'	10 ^h 40'	9 ^h 05'	10 ^h 55'	3 ^h 57'
S 19	23 50 43	25 ^h 50'46"	1 ^h 02'	21 ^h 21'	6 ^h 11'	11 ^h 16'	11 ^h 44'	26 ^h 33'	9 ^h 57'	5 ^h 30'	4 ^h 56'	10 ^h 32'	9 ^h 01'	11 ^h 02'	3 ^h 54'
M 20	23 54 40	26 ^h 49'20"	14 ^h 00'	22 ^h 31'	7 ^h 26'	11 ^h 56'	11 ^h 57'	26 ^h 29'	9 ^h 57'	5 ^h 29'	4 ^h 56'	10 ^h 25'	8 ^h 58'	11 ^h 08'	3 ^h 52'
T 21	23 58 36	27 ^h 47'56"	27 ^h 10'	23 ^h 39'	8 ^h 40'	12 ^h 37'	12 ^h 10'	26 ^h 25'	9 ^h 57'	5 ^h 27'	4 ^h 55'	10 ^h 19'	8 ^h 55'	11 ^h 15'	3 ^h 50'
W 22	0 02 33	28 ^h 46'35"	10 ^h 35'	24 ^h 45'	9 ^h 55'	13 ^h 18'	12 ^h 22'	26 ^h 22'	9 ^h 56'	5 ^h 25'	4 ^h 54'	10 ^h 16'	8 ^h 52'	11 ^h 22'	3 ^h 48'
T 23	0 06 29	29 ^h 45'16"	24 ^h 13'	25 ^h 49'	11 ^h 09'	13 ^h 59'	12 ^h 35'	26 ^h 18'	9 ^h 56'	5 ^h 24'	4 ^h 54'	10 ^h 14'	8 ^h 49'	11 ^h 28'	3 ^h 46'
F 24	0 10 26	0 ^h 43'59"	8 ^h 07'	26 ^h 51'	12 ^h 24'	14 ^h 40'	12 ^h 48'	26 ^h 14'	9 ^h 55'	5 ^h 22'	4 ^h 53'	10 ^h 14'	8 ^h 46'	11 ^h 35'	3 ^h 44'
S 25	0 14 22	1 ^h 42'44"	22 ^h 15'	27 ^h 50'	13 ^h 38'	15 ^h 21'	13 ^h 01'	26 ^h 10'	9 ^h 55'	5 ^h 20'	4 ^h 52'	10 ^h 15'	8 ^h 42'	11 ^h 42'	3 ^h 41'
S 26	0 18 19	2 ^h 41'32"	6 ^h 36'	28 ^h 47'	14 ^h 53'	16 ^h 02'	13 ^h 13'	26 ^h 05'	9 ^h 54'	5 ^h 19'	4 ^h 52'	10 ^h 16'	8 ^h 39'	11 ^h 48'	3 ^h 39'
M 27	0 22 16	3 ^h 40'22"	21 ^h 10'	29 ^h 40'	16 ^h 07'	16 ^h 43'	13 ^h 26'	26 ^h 01'	9 ^h 54'	5 ^h 17'	4 ^h 51'	10 ^h 15'	8 ^h 36'	11 ^h 55'	3 ^h 37'
T 28	0 26 12	4 ^h 39'14"	5 ^h 50'	0 ^h 31'	17 ^h 22'	17 ^h 24'	13 ^h 38'	25 ^h 57'	9 ^h 53'	5 ^h 15'	4 ^h 51'	10 ^h 13'	8 ^h 33'	12 ^h 02'	3 ^h 34'
W 29	0 30 09	5 ^h 38'08"	20 ^h 33'	1 ^h 18'	18 ^h 37'	18 ^h 06'	13 ^h 51'	25 ^h 53'	9 ^h 53'	5 ^h 14'	4 ^h 50'	10 ^h 08'	8 ^h 30'	12 ^h 08'	3 ^h 32'
T 30	0 34 05	6 ^h 37'04"	5 ^h 49'	2 ^h 18'	19 ^h 51'	18 ^h 47'	14 ^h 03'	25 ^h 48'	9 ^h 52'	5 ^h 12'	4 ^h 49'	10 ^h 01'	8 ^h 26'	12 ^h 15'	3 ^h 30'

Delta T = 83.76 sec.

OCTOBER 2027

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	0 38 2	7 ^h 36'02	19 ^h 33	2 ^h 41	21 ^h 06	19 ^h 29	14 ^h 16	25 ^h 44	9 ^h 51	5 ^h 10	4 ^h 49	9 ^h 52	8 ^h 23	12 ^h 22	3 ^h 27
S 2	0 41 58	8 ^h 35'02	3 ^h 18	3 ^h 17	22 ^h 20	20 ^h 11	14 ^h 28	25 ^h 40	9 ^h 50	5 ^h 09	4 ^h 49	9 ^h 42	8 ^h 20	12 ^h 28	3 ^h 25
S 3	0 45 55	9 ^h 34'04	17 ^h 19	3 ^h 47	23 ^h 35	20 ^h 52	14 ^h 41	25 ^h 35	9 ^h 49	5 ^h 07	4 ^h 48	9 ^h 33	8 ^h 17	12 ^h 35	3 ^h 22
M 4	0 49 51	10 ^h 33'08	0 ^h 35	4 ^h 13	24 ^h 49	21 ^h 34	14 ^h 53	25 ^h 31	9 ^h 49	5 ^h 05	4 ^h 48	9 ^h 25	8 ^h 14	12 ^h 41	3 ^h 20
T 5	0 53 48	11 ^h 32'14	13 ^h 26	4 ^h 33	26 ^h 04	22 ^h 16	15 ^h 06	25 ^h 26	9 ^h 48	5 ^h 04	4 ^h 47	9 ^h 19	8 ^h 11	12 ^h 48	3 ^h 17
W 6	0 57 44	12 ^h 31'22	25 ^h 55	4 ^h 47	27 ^h 19	22 ^h 58	15 ^h 18	25 ^h 21	9 ^h 47	5 ^h 02	4 ^h 47	9 ^h 15	8 ^h 07	12 ^h 55	3 ^h 14
T 7	1 01 41	13 ^h 30'31	8 ^h 06	4 ^h 54	28 ^h 33	23 ^h 40	15 ^h 30	25 ^h 17	9 ^h 46	5 ^h 00	4 ^h 47	9 ^h 14	8 ^h 04	13 ^h 01	3 ^h 12
F 8	1 05 38	14 ^h 29'42	20 ^h 03	4 ^h 55	29 ^h 48	24 ^h 22	15 ^h 42	25 ^h 12	9 ^h 44	4 ^h 59	4 ^h 46	9 ^h 14	8 ^h 01	13 ^h 08	3 ^h 09
S 9	1 09 34	15 ^h 28'55	1 ^h 53	4 ^h 49	1 ^h 02	25 ^h 04	15 ^h 54	25 ^h 08	9 ^h 43	4 ^h 57	4 ^h 46	9 ^h 14	7 ^h 58	13 ^h 15	3 ^h 06
S 10	1 13 31	16 ^h 28'10	13 ^h 41	4 ^h 34	2 ^h 17	25 ^h 46	16 ^h 06	25 ^h 03	9 ^h 42	4 ^h 55	4 ^h 46	9 ^h 14	7 ^h 55	13 ^h 21	3 ^h 04
M 11	1 17 27	17 ^h 27'26	25 ^h 31	4 ^h 12	3 ^h 31	26 ^h 29	16 ^h 19	24 ^h 58	9 ^h 41	4 ^h 54	4 ^h 46	9 ^h 13	7 ^h 52	13 ^h 28	3 ^h 01
T 12	1 21 24	18 ^h 26'44	7 ^h 29	3 ^h 42	4 ^h 46	27 ^h 11	16 ^h 30	24 ^h 53	9 ^h 40	4 ^h 52	4 ^h 45	9 ^h 09	7 ^h 48	13 ^h 35	2 ^h 58
W 13	1 25 20	19 ^h 26'05	19 ^h 38	3 ^h 03	6 ^h 00	27 ^h 54	16 ^h 42	24 ^h 49	9 ^h 38	4 ^h 51	4 ^h 45	9 ^h 03	7 ^h 45	13 ^h 41	2 ^h 56
T 14	1 29 17	20 ^h 25'26	2 ^h 00	2 ^h 16	7 ^h 15	28 ^h 36	16 ^h 54	24 ^h 44	9 ^h 37	4 ^h 49	4 ^h 45	8 ^h 54	7 ^h 42	13 ^h 48	2 ^h 53
F 15	1 33 13	21 ^h 24'50	14 ^h 37	1 ^h 22	8 ^h 29	29 ^h 19	17 ^h 06	24 ^h 39	9 ^h 36	4 ^h 47	4 ^h 45	8 ^h 43	7 ^h 39	13 ^h 55	2 ^h 50
S 16	1 37 10	22 ^h 24'16	27 ^h 30	0 ^h 21	9 ^h 44	0 ^h 11	17 ^h 18	24 ^h 34	9 ^h 34	4 ^h 46	4 ^h 45	8 ^h 31	7 ^h 36	14 ^h 01	2 ^h 47
S 17	1 41 07	23 ^h 23'44	10 ^h 37	29 ^h 14	10 ^h 59	0 ^h 44	17 ^h 30	24 ^h 30	9 ^h 33	4 ^h 44	4 ^h 45	8 ^h 18	7 ^h 32	14 ^h 08	2 ^h 45
M 18	1 45 03	24 ^h 23'14	23 ^h 57	28 ^h 03	12 ^h 13	1 ^h 27	17 ^h 41	24 ^h 25	9 ^h 31	4 ^h 43	4 ^h 46	8 ^h 07	7 ^h 29	14 ^h 14	2 ^h 42
T 19	1 49 00	25 ^h 22'47	7 ^h 28	26 ^h 49	13 ^h 28	2 ^h 10	17 ^h 53	24 ^h 20	9 ^h 29	4 ^h 41	4 ^h 45	7 ^h 57	7 ^h 26	14 ^h 21	2 ^h 39
W 20	1 52 56	26 ^h 22'22	2 ^h 09	25 ^h 35	14 ^h 42	2 ^h 53	18 ^h 04	24 ^h 15	9 ^h 28	4 ^h 40	4 ^h 45	7 ^h 50	7 ^h 23	14 ^h 28	2 ^h 36
T 21	1 56 53	27 ^h 21'59	4 ^h 57	24 ^h 23	15 ^h 57	3 ^h 36	18 ^h 16	24 ^h 10	9 ^h 26	4 ^h 38	4 ^h 45	7 ^h 47	7 ^h 20	14 ^h 34	2 ^h 33
F 22	2 00 49	28 ^h 21'38	18 ^h 53	23 ^h 14	17 ^h 11	4 ^h 19	18 ^h 27	24 ^h 06	9 ^h 25	4 ^h 37	4 ^h 45	7 ^h 45	7 ^h 17	14 ^h 41	2 ^h 31
S 23	2 04 46	29 ^h 21'19	2 ^h 54	22 ^h 12	18 ^h 26	5 ^h 02	18 ^h 38	24 ^h 01	9 ^h 23	4 ^h 35	4 ^h 45	7 ^h 45	7 ^h 13	14 ^h 48	2 ^h 28
S 24	2 08 42	0 ^h 21'03	17 ^h 02	21 ^h 17	19 ^h 40	5 ^h 45	18 ^h 50	23 ^h 56	9 ^h 21	4 ^h 34	4 ^h 45	7 ^h 45	7 ^h 10	14 ^h 54	2 ^h 25
M 25	2 12 39	1 ^h 20'49	1 ^h 15	20 ^h 32	20 ^h 55	6 ^h 29	19 ^h 01	23 ^h 52	9 ^h 19	4 ^h 32	4 ^h 46	7 ^h 43	7 ^h 07	15 ^h 01	2 ^h 22
T 26	2 16 36	2 ^h 20'37	15 ^h 31	19 ^h 57	22 ^h 09	7 ^h 12	19 ^h 12	23 ^h 47	9 ^h 17	4 ^h 31	4 ^h 46	7 ^h 39	7 ^h 04	15 ^h 08	2 ^h 19
W 27	2 20 32	3 ^h 20'27	29 ^h 48	19 ^h 33	23 ^h 24	7 ^h 56	19 ^h 23	23 ^h 42	9 ^h 15	4 ^h 29	4 ^h 46	7 ^h 33	7 ^h 01	15 ^h 14	2 ^h 16
T 28	2 24 29	4 ^h 20'20	14 ^h 00	19 ^h 21	24 ^h 38	8 ^h 39	19 ^h 34	23 ^h 37	9 ^h 14	4 ^h 28	4 ^h 46	7 ^h 23	6 ^h 57	15 ^h 21	2 ^h 13
F 29	2 28 25	5 ^h 20'14	28 ^h 02	19 ^h 20	25 ^h 53	9 ^h 23	19 ^h 45	23 ^h 33	9 ^h 12	4 ^h 27	4 ^h 47	7 ^h 11	6 ^h 54	15 ^h 28	2 ^h 11
S 30	2 32 22	6 ^h 20'11	11 ^h 51	19 ^h 30	27 ^h 07	10 ^h 06	19 ^h 56	23 ^h 28	9 ^h 10	4 ^h 25	4 ^h 47	6 ^h 58	6 ^h 51	15 ^h 34	2 ^h 08
S 31	2 36 18	7 ^h 20'10	25 ^h 21	19 ^h 50	28 ^h 22	10 ^h 15	20 ^h 06	23 ^h 20	9 ^h 08	4 ^h 24	4 ^h 47	6 ^h 46	6 ^h 48	15 ^h 41	2 ^h 05

SWISS EPHEMERIS for the year 2027

NOVEMBER 2027

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	2 40 15	8♈20'10	8♈31	20♊21	29♈36	11♈34	20♈17	23°R19	9°R 6	4°R23	4♈48	6°R35	6♈45	15♈48	2°R 2
T 2	2 44 11	9°20'12	21°18	21° 0	0♈51	12°18	20°28	23°Y15	9°II 3	4°Y21	4°48	6♈26	6°42	15°54	1♈59
W 3	2 48 8	10°20'16	3♈46	21°47	2° 6	13° 2	20°38	23°10	9° 1	4°20	4°48	6°20	6°38	16° 1	1°57
T 4	2 52 5	11°20'21	15°57	22°42	3°20	13°46	20°48	23° 6	8°59	4°19	4°49	6°16	6°35	16° 7	1°54
F 5	2 56 1	12°20'28	27°55	23°43	4°35	14°30	20°59	23° 1	8°57	4°18	4°49	6°15	6°32	16°14	1°51
S 6	2 59 58	13°20'37	9♈45	24°50	5°49	15°14	21° 9	22°57	8°55	4°16	4°50	6°15	6°29	16°21	1°48
S 7	3 3 54	14°20'47	21°33	26° 1	7° 4	15°58	21°19	22°53	8°53	4°15	4°50	6°15	6°26	16°27	1°45
M 8	3 7 51	15°20'58	3♈24	27°17	8°18	16°43	21°29	22°48	8°50	4°14	4°51	6°13	6°23	16°34	1°43
T 9	3 11 47	16°21'11	15°23	28°36	9°32	17°27	21°39	22°44	8°48	4°13	4°52	6°10	6°19	16°41	1°40
W10	3 15 44	17°21'26	27°37	29°58	10°47	18°11	21°49	22°40	8°46	4°12	4°52	6° 4	6°16	16°47	1°37
T 11	3 19 40	18°21'42	10°Y 7	1♈23	12° 1	18°56	21°58	22°36	8°44	4°11	4°53	5°56	6°13	16°54	1°34
F 12	3 23 37	19°22'00	22°56	2°50	13°16	19°40	22° 8	22°32	8°41	4°10	4°54	5°45	6°10	17° 1	1°32
S 13	3 27 34	20°22'19	6♈ 6	4°19	14°30	20°25	22°17	22°28	8°39	4° 9	4°54	5°33	6° 7	17° 7	1°29
S 14	3 31 30	21°22'40	19°34	5°49	15°45	21°10	22°27	22°24	8°37	4° 8	4°55	5°20	6° 3	17°14	1°27
M15	3 35 27	22°23'02	3♈19	7°20	16°59	21°54	22°36	22°20	8°34	4° 7	4°56	5° 9	6° 0	17°21	1°24
T 16	3 39 23	23°23'27	17°17	8°52	18°13	22°39	22°45	22°17	8°32	4° 6	4°57	4°59	5°57	17°27	1°21
W17	3 43 20	24°23'53	1♈23	10°25	19°28	23°24	22°54	22°13	8°29	4° 5	4°57	4°52	5°54	17°34	1°19
T 18	3 47 16	25°24'21	15°33	11°58	20°42	24° 9	23° 3	22° 9	8°27	4° 4	4°58	4°48	5°51	17°41	1°16
F 19	3 51 13	26°24'50	29°44	13°32	21°57	24°54	23°12	22° 6	8°24	4° 3	4°59	4°D47	5°48	17°47	1°14
S 20	3 55 9	27°25'22	13♈53	15° 6	23°11	25°39	23°21	22° 2	8°22	4° 2	5° 0	4°47	5°44	17°54	1°11
S 21	3 59 6	28°25'55	28° 0	16°41	24°25	26°24	23°29	21°59	8°19	4° 1	5° 1	4°R47	5°41	18° 0	1° 9
M22	4 3 3	29°26'30	12♈ 3	18°16	25°40	27° 9	23°38	21°56	8°17	4° 0	5° 2	4°47	5°38	18° 7	1° 6
T 23	4 6 59	0♈27'07	26° 1	19°50	26°54	27°54	23°46	21°53	8°14	4° 0	5° 3	4°44	5°35	18°14	1° 4
W24	4 10 56	1°27'45	9♈54	21°25	28° 9	28°39	23°55	21°49	8°12	3°59	5° 4	4°39	5°32	18°20	1° 2
T 25	4 14 52	2°28'25	23°39	23° 0	29°23	29°25	24° 3	21°46	8° 9	3°58	5° 5	4°31	5°29	18°27	0°59
F 26	4 18 49	3°29'07	7♈15	24°35	0♈37	0♈10	24°11	21°43	8° 7	3°58	5° 6	4°21	5°25	18°34	0°57
S 27	4 22 45	4°29'50	20°39	26°10	1°52	0°56	24°19	21°41	8° 4	3°57	5° 7	4°10	5°22	18°40	0°55
S 28	4 26 42	5°30'35	3♈48	27°44	3° 6	1°41	24°26	21°38	8° 2	3°56	5° 8	3°59	5°19	18°47	0°52
M29	4 30 38	6°31'21	16°42	29°19	4°20	2°27	24°34	21°35	7°59	3°56	5° 9	3°50	5°16	18°54	0°50
T 30	4 34 35	7♈32'08	29♈19	0♈54	5♈34	3♈12	24♈41	21°Y33	7°II57	3°Y55	5♈11	3♈42	5♈13	19♈ 0	0♈48

Delta T = 84.03 sec.

DECEMBER 2027

00:00 UT

Day	Sid.t	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	4 38 32	8♈32'57	11♈41	2♈28	6♈49	3♈58	24♈49	21°R30	7°R54	3°R55	5♈12	3°R37	5♈ 9	19♈ 7	0°R46	
T 2	4 42 28	9°33'46	23°48	4° 3	8° 3	4°43	24°56	21°Y28	7°II52	3°Y54	5°13	3♈34	5° 6	19°14	0♈44	
F 3	4 46 25	10°34'37	5♈44	5°37	9°17	5°29	25° 3	21°25	7°49	3°54	5°14	3°D34	5° 3	19°20	0°42	
S 4	4 50 21	11°35'28	17°34	7°11	10°32	6°15	25°10	21°23	7°47	3°53	5°15	3°35	5° 0	19°27	0°40	
S 5	4 54 18	12°36'20	29°21	8°46	11°46	7° 1	25°17	21°21	7°44	3°53	5°17	3°36	4°57	19°34	0°38	
M 6	4 58 14	13°37'13	11♈11	10°20	13° 0	7°47	25°23	21°19	7°42	3°53	5°18	3°R37	4°54	19°40	0°36	
T 7	5 2 11	14°38'07	23°10	11°54	14°14	8°33	25°30	21°17	7°39	3°52	5°19	3°36	4°50	19°47	0°34	
W 8	5 6 7	15°39'01	5°Y22	13°28	15°28	9°19	25°36	21°15	7°37	3°52	5°21	3°34	4°47	19°54	0°32	
T 9	5 10 4	16°39'57	17°53	15° 2	16°42	10° 5	25°42	21°14	7°34	3°52	5°22	3°30	4°44	20° 0	0°31	
F 10	5 14 1	17°40'53	0♈46	16°37	17°57	10°51	25°48	21°12	7°32	3°52	5°23	3°24	4°41	20° 7	0°29	
S 11	5 17 57	18°41'49	14° 3	18°11	19°11	11°37	25°54	21°11	7°29	3°51	5°25	3°16	4°38	20°13	0°27	
S 12	5 21 54	19°42'47	27°44	19°45	20°25	12°23	26° 0	21° 9	7°27	3°51	5°26	3° 9	4°35	20°20	0°25	
M13	5 25 50	20°43'45	11♈47	21°20	21°39	13° 9	26° 5	21° 8	7°24	3°51	5°27	3° 1	4°31	20°27	0°24	
T 14	5 29 47	21°44'44	26° 8	22°54	22°53	13°55	26°11	21° 7	7°22	3°51	5°29	2°56	4°28	20°33	0°22	
W15	5 33 43	22°45'44	10♈41	24°28	24° 7	14°42	26°16	21° 6	7°19	3°D51	5°30	2°52	4°25	20°40	0°21	
T 16	5 37 40	23°46'45	25°19	26° 3	25°21	15°28	26°21	21° 5	7°17	3°51	5°32	2°50	4°22	20°47	0°19	
F 17	5 41 37	24°47'47	9♈56	27°38	26°35	16°14	26°26	21° 4	7°15	3°51	5°33	2°D50	4°19	20°53	0°18	
S 18	5 45 33	25°48'49	24°26	29°13	27°49	17° 1	26°30	21° 3	7°12	3°51	5°35	2°51	4°15	21° 0	0°17	
S 19	5 49 30	26°49'53	8♈46	0♈48	29° 3	17°47	26°35	21° 3	7°10	3°51	5°36	2°52	4°12	21° 7	0°15	
M20	5 53 26	27°50'57	22°54	2°23	0♈16	18°34	26°39	21° 2	7° 8	3°52	5°38	2°R53	4° 9	21°13	0°14	
T 21	5 57 23	28°52'02	6♈48	3°58	1°30	19°20	26°44	21° 2	7° 5	3°52	5°40	2°53	4° 6	21°20	0°13	
W22	6 1 19	29°53'08	20°27	5°34	2°44	20° 7	26°48	21° 1	7° 3	3°52	5°41	2°52	4° 3	21°27	0°12	
T 23	6 5 16	0♈54'15	3♈54	7° 9	3°58	20°53	26°52	21° 1	7° 1	3°52	5°43	2°48	4° 0	21°33	0°11	
F 24	6 9 12	1°55'22	17° 6	8°45	5°12	21°40	26°55	21°D 1	6°59	3°52	5°44	2°44	3°56	21°40	0°10	
S 25	6 13 9	2°56'30	0♈ 5	10°21	6°25	22°27	26°59	21° 1	6°56	3°53	5°46	2°39	3°53	21°47	0° 9	
S 26	6 17 6	3°57'39	12°52	11°57	7°39	23°14	27° 2	21° 1	6°54	3°53	5°48	2°33	3°50	21°53	0° 8	
M27	6 21 2	4°58'48	25°25	13°34	8°53	24° 0	27° 5	21° 2	6°52	3°53	5°49	2°29	3°47	22° 0	0° 7	
T 28	6 24 59	5°59'58	7♈47	15°10	10° 6	24°47	27° 8	21° 2	6°50	3°54	5°51	2°25	3°44	22° 7	0° 6	
W29	6 28 55	7° 1'08	19°57	16°47	11°20	25°34	27°11	21° 3	6°48	3°54	5°53	2°23	3°41	22°13	0° 6	
T 30	6 32 52	8° 2'18	1♈58	18°23	12°33	26°21	27°14	21° 3	6°46	3°55	5°54	2°D23	3°37	22°20	0° 5	
F 31	6 36 48	9♈ 3'28	13♈50	20♈ 0	13♈47	27♈ 8	27♈16	21°Y 4	6°II44	3°Y55	5♈56	2♈23	3♈34	22♈27	0♈ 4	

Delta T = 84.17 sec.

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