

SWISS EPHEMERIS for the year 2429

JANUARY 2429

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Day	Sid.t	☉	☽	♁	♂	♄	♃	♆	♅	♁	♁	♁	♁	♁	♁
M 1	6 44 13	10°34'00	5♏34	18°33	21°35	28°30	16°R27	23°15	25°36	20°R33	29°R34	17°R25	17°47	19°11	7°R21
T 2	6 48 10	11°46'07	19°59	20°14	22°20	29°12	16°R19	23°22	25° 8	20°R33	29°R32	17°R24	17°44	19° 8	7°R17
W 3	6 52 7	12°47'15	4♏44	21°50	23°35	29°53	16°11	23°29	25° 9	20°R33	29°R31	17°R24	17°40	19°14	7°13
T 4	6 56 3	13°48'24	19°44	23°27	24°51	0♏35	16° 3	23°35	25°11	20°R32	29°R30	17°R23	17°37	19°21	7° 9
F 5	7 0 0	14°49'33	4♏50	25° 4	26° 6	1°16	15°55	23°42	25°12	20°R32	29°R29	17°R23	17°34	19°28	7° 5
S 6	7 3 56	15°50'42	19°54	26°41	27°21	1°58	15°47	23°49	25°14	20°R31	29°R27	17°D23	17°31	19°34	7° 1
S 7	7 7 53	16°51'51	4♏47	28°17	28°37	2°40	15°39	23°56	25°16	20°R31	29°R26	17°R23	17°28	19°41	6°57
M 8	7 11 49	17°53'01	19°22	29°54	29°52	3°21	15°30	24° 2	25°17	20°R30	29°R25	17°R23	17°24	19°48	6°53
T 9	7 15 46	18°54'10	3♏31	1♏31	1♏ 7	4° 3	15°22	24° 9	25°19	20°R30	29°R24	17°R23	17°21	19°54	6°49
W10	7 19 43	19°55'19	17°15	3° 7	2°23	4°45	15°14	24°16	25°21	20°R29	29°R22	17°R23	17°18	20° 1	6°46
T11	7 23 39	20°56'27	0♏31	4°43	3°38	5°27	15° 6	24°22	25°23	20°R28	29°R21	17°R22	17°15	20° 8	6°42
F12	7 27 36	21°57'36	13°23	6°18	4°53	6° 8	14°58	24°29	25°25	20°R28	29°R20	17°R22	17°12	20°14	6°38
S13	7 31 32	22°58'44	25°53	7°53	6° 9	6°50	14°50	24°35	25°27	20°R27	29°R18	17°D22	17° 9	20°21	6°34
S14	7 35 29	23°59'52	8♏ 6	9°26	7°24	7°32	14°42	24°42	25°29	20°R26	29°R17	17°R22	17° 5	20°28	6°30
M15	7 39 25	25° 0'59	20° 6	10°59	8°39	8°14	14°34	24°48	25°31	20°R26	29°R16	17°R23	17° 2	20°34	6°27
T16	7 43 22	26° 2'06	1♏58	12°30	9°55	8°55	14°26	24°55	25°33	20°R25	29°R15	17°R24	16°59	20°41	6°23
W17	7 47 18	27° 3'12	13°46	14° 0	11°10	9°37	14°19	25° 1	25°35	20°R24	29°R13	17°R25	16°56	20°48	6°19
T18	7 51 15	28° 4'19	25°35	15°27	12°25	10°19	14°11	25° 8	25°37	20°R23	29°R12	17°R26	16°53	20°54	6°16
F19	7 55 12	29° 5'24	7♏26	16°52	13°40	11° 1	14° 3	25°14	25°39	20°R22	29°R11	17°R26	16°50	21° 1	6°12
S20	7 59 8	0♏ 6'30	19°24	18°14	14°56	11°42	13°56	25°20	25°42	20°R21	29° 9	17°R27	16°46	21° 8	6° 9
S21	8 3 5	1° 7'34	1♏29	19°32	16°11	12°24	13°48	25°26	25°44	20°R20	29° 8	17°R26	16°43	21°14	6° 5
M22	8 7 1	2° 8'39	13°44	20°45	17°26	13° 6	13°41	25°33	25°46	20°R19	29° 7	17°R25	16°40	21°21	6° 2
T23	8 10 58	3° 9'43	26°11	21°54	18°41	13°48	13°34	25°39	25°49	20°R18	29° 5	17°R23	16°37	21°28	5°58
W24	8 14 54	4°10'47	8♏49	22°57	19°56	14°29	13°26	25°45	25°51	20°R17	29° 4	17°R20	16°34	21°34	5°55
T25	8 18 51	5°11'50	21°41	23°54	21°11	15°11	13°19	25°51	25°53	20°R16	29° 3	17°R18	16°30	21°41	5°52
F26	8 22 47	6°12'53	4♏46	24°43	22°27	15°53	13°12	25°57	25°56	20°R15	29° 2	17°R15	16°27	21°48	5°48
S27	8 26 44	7°13'55	18° 6	25°24	23°42	16°35	13° 6	26° 3	25°58	20°R14	29° 0	17°R13	16°24	21°54	5°45
S28	8 30 41	8°14'58	1♏42	25°56	24°57	17°16	12°59	26° 9	26° 1	20°R13	28°59	17°R12	16°21	22° 1	5°42
M29	8 34 37	9°16'00	15°34	26°18	26°12	17°58	12°52	26°14	26° 3	20°R12	28°58	17°D12	16°18	22° 8	5°39
T30	8 38 34	10°17'01	29°42	26°30	27°27	18°40	12°46	26°20	26° 6	20°R11	28°56	17°R13	16°15	22°14	5°36
W31	8 42 30	11°18'03	14♏ 4	26°R30	28°42	19°R22	12°R40	26°R26	26°R 9	20°R10	28°R55	17°R15	16°R11	22°R21	5°R33

Delta T = 18m49s

FEBRUARY 2429

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Day	Sid.t	☉	☽	♁	♂	♄	♃	♆	♅	♁	♁	♁	♁	♁	♁
T 1	8 46 27	12°19'03	28°R39	26°R19	29°R57	20°R 3	12°R33	26°R32	26°R11	20°R 8	28°R54	17°R16	16°R 8	22°R28	5°R30
F 2	8 50 23	13°20'04	13°R21	25°R56	1°R12	20°45	12°R27	26°R37	26°R14	20°R 7	28°R53	17°R17	16° 5	22°R34	5°R27
S 3	8 54 20	14°21'03	28° 4	25°22	2°27	21°27	12°21	26°43	26°17	20° 6	28°51	17°R16	16° 2	22°R41	5°25
S 4	8 58 16	15°22'02	12°R43	24°38	3°42	22° 8	12°16	26°48	26°20	20° 5	28°50	17°R15	15°59	22°R48	5°22
M 5	9 2 13	16°23'00	27°10	23°44	4°57	22°50	12°10	26°54	26°22	20° 3	28°49	17°R11	15°56	22°R54	5°19
T 6	9 6 10	17°23'57	11°R19	22°43	6°12	23°32	12° 5	26°59	26°25	20° 2	28°48	17° 7	15°52	23° 1	5°17
W 7	9 10 6	18°24'53	25° 5	21°35	7°27	24°13	11°59	27° 4	26°28	20° 1	28°47	17° 2	15°49	23° 8	5°14
T 8	9 14 3	19°25'47	8°R27	20°23	8°42	24°55	11°54	27°10	26°31	19°59	28°45	16°57	15°46	23°R14	5°12
F 9	9 17 59	20°26'40	21°24	19° 9	9°57	25°37	11°49	27°15	26°34	19°58	28°44	16°52	15°43	23°R21	5° 9
S10	9 21 56	21°27'32	3♏59	17°56	11°12	26°18	11°45	27°20	26°37	19°56	28°43	16°49	15°40	23°R28	5° 7
S11	9 25 52	22°28'23	16°15	16°44	12°27	27° 0	11°40	27°25	26°40	19°55	28°42	16°48	15°36	23°R34	5° 5
M12	9 29 49	23°29'12	28°17	15°37	13°41	27°42	11°36	27°30	26°43	19°54	28°41	16°D47	15°33	23°R41	5° 2
T13	9 33 45	24°30'00	10°R 9	14°35	14°56	28°23	11°31	27°35	26°46	19°52	28°39	16°R49	15°30	23°R47	5° 0
W14	9 37 42	25°30'47	21°57	13°39	16°11	29° 5	11°27	27°40	26°49	19°51	28°38	16°50	15°27	23°R54	4°58
T15	9 41 39	26°31'32	3♏46	12°51	17°26	29°46	11°23	27°44	26°52	19°49	28°37	16°52	15°24	24° 1	4°56
F16	9 45 35	27°32'15	15°40	12°11	18°40	0♏28	11°20	27°49	26°55	19°48	28°36	16°R53	15°21	24° 7	4°54
S17	9 49 32	28°32'58	27°43	11°39	19°55	1° 9	11°16	27°54	26°58	19°46	28°35	16°52	15°17	24°R14	4°53
S18	9 53 28	29°33'38	9♏59	11°15	21°10	1°51	11°13	27°58	27° 1	19°45	28°34	16°49	15°14	24°R21	4°51
M19	9 57 25	0♏34'17	22°29	10°59	22°24	2°32	11°10	28° 3	27° 4	19°43	28°33	16°45	15°11	24°R27	4°49
T20	10 1 21	1°34'55	5♏15	10°51	23°39	3°14	11° 7	28° 7	27° 7	19°41	28°32	16°38	15° 8	24°R34	4°48
W21	10 5 18	2°35'32	18°16	10°D50	24°53	3°55	11° 4	28°11	27°10	19°40	28°31	16°30	15° 5	24°R41	4°46
T22	10 9 14	3°36'07	1♏31	10°56	26° 8	4°36	11° 2	28°16	27°14	19°38	28°30	16°22	15° 2	24°R47	4°45
F23	10 13 11	4°36'40	14°58	11° 9	27°22	5°18	10°59	28°20	27°17	19°37	28°29	16°13	14°58	24°R54	4°44
S24	10 17 8	5°37'13	28°R37	11°27	28°R37	5°59	10°57	28°24	27°20	19°35	28°28	16° 7	14°55	25° 1	4°42
S25	10 21 4	6°37'44	12♏25	11°52	29°51	6°41	10°55	28°28	27°23	19°33	28°27	16° 2	14°52	25° 7	4°41
M26	10 25 1	7°38'14	26°20	12°22	1°R 6	7°22	10°53	28°32	27°27	19°32	28°26	15°59	14°49	25°R14	4°40
T27	10 28 57	8°38'43	10♏23	12°56	2°20	8° 3	10°52	28°36	27°30	19°30	28°25	15°D59	14°46	25°R21	4°39
W28	10 32 54	9°39'11	24♏31	13°R35	3°R34	8°R44	10°R51	28°R39	27°R33	19°R29	28°R24	15°R59	14°R42	25°R27	4°R38

Delta T = 18m50s

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SWISS EPHEMERIS for the year 2429

MARCH 2429

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	10 36 50	10♋39°37'	8♌43	14♍18	4♎49	9♏26	10♐R49	28♑♂43	27♒♂37	19♓R27	28♔R23	16♕R 0	14♖♂39	25♗♂34	4♘R38		
F 2	10 40 47	11°40'03"	22°59'	15° 5'	6° 3'	10° 7'	10♐♂48	28°47'	27°40'	19♓♂25	28♔♂22	16♕♂ 0	14°36'	25°41'	4♘♂37		
S 3	10 44 43	12°40'26"	7♍15	15°56'	7°17'	10°48'	10°48'	28°50'	27°43'	19°24'	28°21'	15°58'	14°33'	25°47'	4°36'		
S 4	10 48 40	13°40'49"	21°27'	16°49'	8°31'	11°29'	10°47'	28°53'	27°47'	19°22'	28°20'	15°54'	14°30'	25°54'	4°36'		
M 5	10 52 37	14°41'09"	5♋32	17°46'	9°45'	12°10'	10°47'	28°57'	27°50'	19°20'	28°19'	15°47'	14°27'	26° 1'	4°35'		
T 6	10 56 33	15°41'28"	19°24'	18°46'	11° 0'	12°52'	10°D47	29° 0'	27°53'	19°19'	28°18'	15°37'	14°23'	26° 7'	4°35'		
W 7	11 0 30	16°41'45"	3♎0	19°48'	12°14'	13°33'	10°47'	29° 3'	27°57'	19°17'	28°18'	15°27'	14°20'	26°14'	4°34'		
T 8	11 4 26	17°42'01"	16°17'	20°52'	13°28'	14°14'	10°47'	29° 6'	28° 0'	19°15'	28°17'	15°16'	14°17'	26°21'	4°34'		
F 9	11 8 23	18°42'14"	29°12'	21°59'	14°42'	14°55'	10°47'	29° 9'	28° 3'	19°14'	28°16'	15° 5'	14°14'	26°27'	4°34'		
S 10	11 12 19	19°42'26"	11♌47	23° 8'	15°56'	15°36'	10°48'	29°12'	28° 7'	19°12'	28°15'	14°57'	14°11'	26°34'	4°D34		
S 11	11 16 16	20°42'35"	24° 4'	24°19'	17° 9'	16°17'	10°49'	29°15'	28°10'	19°10'	28°15'	14°51'	14° 7'	26°40'	4°34'		
M12	11 20 12	21°42'43"	6♎ 7	25°32'	18°23'	16°58'	10°50'	29°18'	28°14'	19° 9'	28°14'	14°48'	14° 4'	26°47'	4°34'		
T13	11 24 9	22°42'49"	18° 0'	26°47'	19°37'	17°39'	10°51'	29°20'	28°17'	19° 7'	28°13'	14°D46	14° 1'	26°54'	4°35'		
W14	11 28 5	23°42'52"	29°48'	28° 4'	20°51'	18°20'	10°53'	29°23'	28°20'	19° 5'	28°13'	14°46'	13°58'	27° 0'	4°35'		
T15	11 32 2	24°42'53"	11♌37	29°22'	22° 4'	19° 1'	10°54'	29°25'	28°24'	19° 4'	28°12'	14°R47	13°55'	27° 7'	4°35'		
F16	11 35 59	25°42'53"	23°33'	0♋42	23°18'	19°42'	10°56'	29°27'	28°27'	19° 2'	28°11'	14°47'	13°52'	27°14'	4°36'		
S17	11 39 55	26°42'50"	5♎40	2° 3'	24°32'	20°23'	10°58'	29°30'	28°31'	19° 0'	28°11'	14°45'	13°48'	27°20'	4°36'		
S18	11 43 52	27°42'45"	18° 2'	3°26'	25°45'	21° 4'	11° 0'	29°32'	28°34'	18°59'	28°10'	14°40'	13°45'	27°27'	4°37'		
M19	11 47 48	28°42'38"	0♎44	4°50'	26°59'	21°44'	11° 3'	29°34'	28°38'	18°57'	28°10'	14°33'	13°42'	27°34'	4°38'		
T20	11 51 45	29°42'28"	13°46'	6°16'	28°12'	22°25'	11° 5'	29°36'	28°41'	18°55'	28° 9'	14°23'	13°39'	27°40'	4°39'		
W21	11 55 41	0♎42'17"	27° 7'	7°43'	29°26'	23° 6'	11° 8'	29°38'	28°44'	18°54'	28° 9'	14°12'	13°36'	27°47'	4°39'		
T22	11 59 38	1°42'04"	10♌48	9°11'	0♌39	23°47'	11°11'	29°39'	28°48'	18°52'	28° 8'	14° 0'	13°33'	27°54'	4°40'		
F23	12 3 34	8°39'42"	24°42'	10°41'	1°52'	24°27'	11°14'	29°41'	28°51'	18°50'	28° 8'	13°48'	13°29'	28° 0'	4°42'		
S24	12 7 31	3°41'32"	8♎47	12°12'	3° 5'	25° 8'	11°17'	29°42'	28°55'	18°49'	28° 7'	13°37'	13°26'	28° 7'	4°43'		
S25	12 11 28	4°41'13"	22°58'	13°44'	4°18'	25°49'	11°21'	29°44'	28°58'	18°47'	28° 7'	13°30'	13°23'	28°14'	4°44'		
M26	12 15 24	5°40'53"	7♎11	15°18'	5°32'	26°29'	11°25'	29°45'	29° 2'	18°46'	28° 6'	13°25'	13°20'	28°20'	4°45'		
T27	12 19 21	6°40'31"	21°22'	16°53'	6°45'	27°10'	11°28'	29°47'	29° 5'	18°44'	28° 6'	13°22'	13°17'	28°27'	4°47'		
W28	12 23 17	7°40'08"	5♌29	18°29'	7°58'	27°51'	11°32'	29°48'	29° 8'	18°43'	28° 6'	13°22'	13°13'	28°34'	4°48'		
T29	12 27 14	8°39'42"	19°33'	20° 7'	9°11'	28°31'	11°37'	29°49'	29°12'	18°41'	28° 5'	13°22'	13°10'	28°40'	4°50'		
F30	12 31 10	9°39'15"	3♍31	21°45'	10°23'	29°12'	11°41'	29°50'	29°15'	18°39'	28° 5'	13°21'	13° 7'	28°47'	4°52'		
S31	12 35 7	10♎38'47"	17♎24	23♎26	11♌36	29♌52	11♌46	29♎51	29♎19	18♎38	28♌ 5	13♌18	13♌ 4	28♎53	4♌53		

Delta T = 18m50s

APRIL 2429

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	12 39 3	11♎38'16"	1♋11	25♋ 7	12♌49	0♎33	11♌50	29♎51	29♋22	18♒R36	28♒R 4	13♒R12	13♌ 1	29♎ 0	4♌55		
M 2	12 43 0	12°37'44"	14°49'	26°50'	14° 2'	1°13'	11°55'	29°52'	29°25'	18♒♂35	28♌ 4	13♌ 3	12°58'	29° 7'	4°57'		
T 3	12 46 57	13°37'09"	28°17'	28°34'	15°14'	1°54'	12° 0'	29°53'	29°29'	18°33'	28° 4'	12°52'	12°54'	29°13'	4°59'		
W 4	12 50 53	14°36'33"	11♎32	0♎19	16°27'	2°34'	12° 5'	29°53'	29°32'	18°32'	28° 4'	12°39'	12°51'	29°20'	5° 1'		
T 5	12 54 50	15°35'55"	24°32'	2° 6'	17°39'	3°14'	12°11'	29°53'	29°35'	18°30'	28° 4'	12°26'	12°48'	29°27'	5° 3'		
F 6	12 58 46	16°35'15"	7♌16	3°54'	18°52'	3°55'	12°16'	29°54'	29°39'	18°29'	28° 4'	12°13'	12°45'	29°33'	5° 6'		
S 7	13 2 43	17°34'32"	19°44'	5°44'	20° 4'	4°35'	12°22'	29°54'	29°42'	18°28'	28° 4'	12° 2'	12°42'	29°40'	5° 8'		
S 8	13 6 39	18°33'48"	1♎57	7°34'	21°17'	5°15'	12°28'	29°R54	29°45'	18°26'	28° 3'	11°54'	12°38'	29°47'	5°10'		
M 9	13 10 36	19°33'01"	13°58'	9°27'	22°29'	5°56'	12°34'	29°54'	29°49'	18°25'	28° 3'	11°49'	12°35'	29°53'	5°13'		
T10	13 14 32	20°32'12"	25°50'	11°20'	23°41'	6°36'	12°40'	29°54'	29°52'	18°23'	28°D 3	11°46'	12°32'	0♌ 0	5°15'		
W11	13 18 29	21°31'21"	7♌38	13°15'	24°53'	7°16'	12°47'	29°53'	29°55'	18°22'	28° 3'	11°D45	12°29'	0° 7'	5°18'		
T12	13 22 26	22°30'28"	19°26'	15°12'	26° 5'	7°56'	12°53'	29°53'	29°58'	18°21'	28° 3'	11°R45	12°26'	0°13'	5°21'		
F13	13 26 22	23°29'32"	1♎22	17° 9'	27°17'	8°36'	13° 0'	29°53'	0♎ 1	18°19'	28° 3'	11°45'	12°23'	0°20'	5°23'		
S14	13 30 19	24°28'34"	13°29'	19° 8'	28°29'	9°16'	13° 6'	29°52'	0° 5'	18°18'	28° 4'	11°44'	12°19'	0°27'	5°26'		
S15	13 34 15	25°27'34"	25°54'	21° 9'	29°41'	9°57'	13°13'	29°51'	0° 8'	18°17'	28° 4'	11°40'	12°16'	0°33'	5°29'		
M16	13 38 12	26°26'31"	8♎39	23°10'	0♎53	10°37'	13°20'	29°51'	0°11'	18°16'	28° 4'	11°34'	12°13'	0°40'	5°32'		
T17	13 42 8	27°25'26"	21°49'	25°13'	2° 4'	11°17'	13°28'	29°50'	0°14'	18°14'	28° 4'	11°26'	12°10'	0°46'	5°35'		
W18	13 46 5	28°24'19"	5♌24	27°17'	3°16'	11°57'	13°35'	29°49'	0°17'	18°13'	28° 4'	11°15'	12° 7'	0°53'	5°38'		
T19	13 50 1	29°23'10"	19°22'	29°22'	4°27'	12°37'	13°42'	29°48'	0°20'	18°12'	28° 4'	11° 4'	12° 4'	1° 0'	5°42'		
F20	13 53 58	0♌21'59"	3♎40	1♌27	5°39'	13°17'	13°50'	29°47'	0°24'	18°11'	28° 5'	10°53'	12° 0'	1° 6'	5°45'		
S21	13 57 54	1°20'46"	18°11'	3°33'	6°50'	13°56'	13°58'	29°46'	0°27'	18°10'	28° 5'	10°44'	11°57'	1°13'	5°48'		
S22	14 1 51	2°19'31"	2♎48	5°40'	8° 1'	14°36'	14° 6'	29°44'	0°30'	18° 9'	28° 5'	10°36'	11°54'	1°20'	5°52'		
M23	14 5 48	3°18'15"	17°25'	7°47'	9°12'	15°16'	14°14'	29°43'	0°33'	18° 8'	28° 5'	10°32'	11°51'	1°26'	5°55'		
T24	14 9 44	4°16'56"	1♌55	9°54'	10°23'	15°56'	14°22'	29°41'	0°36'	18° 7'	28° 6'	10°30'	11°48'	1°33'	5°59'		
W25	14 13 41	5°15'37"	16°16'	12° 0'	11°34'	16°36'	14°30'	29°40'	0°39'	18° 5'	28° 6'	10°D30	11°44'	1°40'	6° 2'		
T26	14 17 37	6°14'15"	0♌24	14° 6'	12°45'	17°16'	14°39'	29°38'	0°42'	18° 4'	28° 6'	10°R30	11°41'	1°46'	6° 6'		
F27	14 21 34	7°12'52"	14°19'	16°11'	13°56'	17°55'	14°47'	29°36'	0°44'	18° 3'	28° 7'	10°30'	11°38'	1°53'	6°10'		
S28	14 25 30	8°11'27"	28° 1'	18°15'	15° 7'	18°35'	14°56'	29°35'	0°47'	18° 3'	28° 7'	10°29'	11°35'	2° 0'	6°13'		
S29	14 29 27	9°10'01"	11♋30	20°17'	16°17'	19°15'	15° 4'	29°33'	0°50'	18° 2'	28° 8'	10°25'	11°32'	2° 6'	6°17'		
M30	14 33 23	10♌8'33"	24♋47	22♌17	17♎28	19♎55	15♌13	29♎31	0♎53	18♎ 1	28♌ 8	10♌18	11♌29	2♌13	6♌21		

Delta T = 18m50s

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SWISS EPHEMERIS for the year 2429

MAY 2429

00:00 UT

Day	Sid.t	☉	☽	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑
T 1	14 37 20	11♈ 7°03	7♏52	24♁16	18♂38	20♂34	15♁22	29°R28	0♏56	18°R 0	28♁ 9	10°R 9	11♁25	2♁20	6♁25			
W 2	14 41 17	12° 5'31	20°45	26°11	19°49	21°14	15°31	29°R26	0°59	17♏59	28° 9	9♁59	11°22	2°26	6°29			
T 3	14 45 13	13° 3'58	3♁25	28° 4	20°59	21°54	15°41	29°24	1° 1	17°58	28°10	9°49	11°19	2°33	6°33			
F 4	14 49 10	14° 2'23	15°52	29°54	22° 9	22°33	15°50	29°21	1° 4	17°57	28°10	9°39	11°16	2°39	6°37			
S 5	14 53 6	15° 0'46	28° 8	1♂41	23°19	23°13	15°59	29°19	1° 7	17°57	28°11	9°30	11°13	2°46	6°42			
S 6	14 57 3	15°59'08	10♂13	3°24	24°29	23°52	16° 9	29°16	1°10	17°56	28°11	9°24	11°10	2°53	6°46			
M 7	15 0 59	16°57'27	22° 8	5° 4	25°39	24°32	16°19	29°14	1°12	17°55	28°12	9°20	11° 6	2°59	6°50			
T 8	15 4 56	17°55'45	3♁58	6°39	26°48	25°11	16°28	29°11	1°15	17°55	28°13	9°D19	11° 3	3° 6	6°55			
W 9	15 8 52	18°54'01	15°44	8°11	27°58	25°51	16°38	29° 8	1°17	17°54	28°13	9°19	11° 0	3°13	6°59			
T 10	15 12 49	19°52'15	27°32	9°40	29° 7	26°30	16°48	29° 5	1°20	17°53	28°14	9°20	10°57	3°19	7° 4			
F 11	15 16 46	20°50'26	9♁27	11° 3	0♁17	27°10	16°58	29° 3	1°22	17°53	28°15	9°21	10°54	3°26	7° 8			
S 12	15 20 42	21°48'36	21°33	12°23	1°26	27°49	17° 9	29° 0	1°25	17°52	28°16	9°R21	10°50	3°33	7°13			
S 13	15 24 39	22°46'44	3♏57	13°39	2°35	28°28	17°19	28°56	1°27	17°52	28°16	9°21	10°47	3°39	7°17			
M 14	15 28 35	23°44'50	16°41	14°50	3°44	29° 8	17°29	28°53	1°30	17°51	28°17	9°18	10°44	3°46	7°22			
T 15	15 32 32	24°42'54	29°51	15°57	4°53	29°47	17°40	28°50	1°32	17°51	28°18	9°14	10°41	3°53	7°27			
W 16	15 36 28	25°40'56	13♁28	16°59	6° 2	0♁26	17°50	28°47	1°34	17°50	28°19	9° 8	10°38	3°59	7°32			
T 17	15 40 25	26°38'56	27°32	17°57	7°10	1° 6	18° 1	28°43	1°37	17°50	28°20	9° 2	10°35	4° 6	7°36			
F 18	15 44 21	27°36'55	12♏ 0	18°50	8°19	1°45	18°11	28°40	1°39	17°50	28°21	8°55	10°31	4°12	7°41			
S 19	15 48 18	28°34'52	26°47	19°39	9°27	2°24	18°22	28°37	1°41	17°49	28°21	8°50	10°28	4°19	7°46			
S 20	15 52 15	29°32'48	11♁44	20°23	10°35	3° 3	18°33	28°33	1°43	17°49	28°22	8°46	10°25	4°26	7°51			
M 21	15 56 11	0♂30'42	26°44	21° 2	11°43	3°42	18°44	28°29	1°46	17°49	28°23	8°44	10°22	4°32	7°56			
T 22	16 0 8	1°28'35	11♁37	21°36	12°51	4°22	18°55	28°26	1°48	17°48	28°24	8°D43	10°19	4°39	8° 1			
W 23	16 4 4	2°26'26	26°17	22° 6	13°59	5° 1	19° 6	28°22	1°50	17°48	28°25	8°44	10°16	4°46	8° 6			
T 24	16 8 1	3°24'17	10♁40	22°30	15° 7	5°40	19°17	28°18	1°52	17°48	28°26	8°45	10°12	4°52	8°12			
F 25	16 11 57	4°22'06	24°43	22°50	16°14	6°19	19°29	28°14	1°54	17°48	28°27	8°46	10° 9	4°59	8°17			
S 26	16 15 54	5°19'54	8♁25	23° 5	17°21	6°58	19°40	28°11	1°56	17°48	28°28	8°R47	10° 6	5° 6	8°22			
S 27	16 19 50	6°17'41	21°49	23°15	18°28	7°37	19°51	28° 7	1°58	17°48	28°29	8°46	10° 3	5°12	8°27			
M 28	16 23 47	7°15'26	4♏54	23°20	19°35	8°16	20° 3	28° 3	2° 0	17°48	28°30	8°43	10° 0	5°19	8°32			
T 29	16 27 44	8°13'11	17°43	23°R20	20°42	8°55	20°15	27°59	2° 1	17°D48	28°31	8°40	9°56	5°26	8°38			
W 30	16 31 40	9°10'55	0♁18	23°16	21°49	9°34	20°26	27°55	2° 3	17°48	28°33	8°35	9°53	5°32	8°43			
T 31	16 35 37	10♂ 8'37	12♁41	23♂ 7	22♁55	10♁13	20♁38	27♁51	2° 5	17♏48	28♁34	8♁30	9♁50	5♁39	8♁49			

Delta T = 18m50s

JUNE 2429

00:00 UT

Day	Sid.t	☉	☽	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑
F 1	16 39 33	11♂ 6'19	24♁53	22°R54	24♁ 1	10♁52	20♁50	27°R46	2° 7	17♏48	28♁35	8°R26	9°47	5°46	8°54			
S 2	16 43 30	12° 3'59	6♂56	22♂37	25° 7	11°31	21° 1	27°R42	2° 8	17°48	28°36	8°22	9°44	5°52	8°59			
S 3	16 47 26	13° 1'38	18°52	22°17	26°13	12°10	21°13	27°38	2°10	17°48	28°37	8°19	9°41	5°59	9° 5			
M 4	16 51 23	13°59'16	0♁42	21°53	27°19	12°49	21°25	27°34	2°12	17°48	28°38	8°18	9°37	6° 5	9°10			
T 5	16 55 20	14°56'53	12°29	21°26	28°24	13°28	21°37	27°30	2°13	17°49	28°40	8°D18	9°34	6°12	9°16			
W 6	16 59 16	15°54'29	24°16	20°57	29°30	14° 6	21°49	27°25	2°15	17°49	28°41	8°18	9°31	6°19	9°22			
T 7	17 3 13	16°52'03	6♁ 5	20°25	0♁35	14°45	22° 2	27°21	2°16	17°49	28°42	8°20	9°28	6°25	9°27			
F 8	17 7 9	17°49'36	18° 1	19°53	1°40	15°24	22°14	27°17	2°17	17°49	28°43	8°21	9°25	6°32	9°33			
S 9	17 11 6	18°47'08	0♏ 9	19°20	2°44	16° 3	22°26	27°12	2°19	17°50	28°45	8°23	9°22	6°39	9°38			
S 10	17 15 2	19°44'38	12°31	18°46	3°49	16°42	22°38	27° 8	2°20	17°50	28°46	8°24	9°18	6°45	9°44			
M 11	17 18 59	20°42'07	25°13	18°13	4°53	17°20	22°51	27° 4	2°21	17°51	28°47	8°R24	9°15	6°52	9°50			
T 12	17 22 55	21°39'35	8♁18	17°40	5°57	17°59	23° 3	26°59	2°23	17°51	28°48	8°23	9°12	6°59	9°56			
W 13	17 26 52	22°37'02	21°50	17°10	7° 0	18°38	23°15	26°55	2°24	17°52	28°50	8°22	9° 9	7° 5	10° 1			
T 14	17 30 49	23°34'27	5♏49	16°41	8° 4	19°17	23°28	26°50	2°25	17°52	28°51	8°20	9° 6	7°12	10° 7			
F 15	17 34 45	24°31'51	20°15	16°14	9° 7	19°55	23°40	26°46	2°26	17°53	28°52	8°18	9° 2	7°19	10°13			
S 16	17 38 42	25°29'15	5♁ 2	15°51	10°10	20°34	23°53	26°41	2°27	17°53	28°54	8°17	8°59	7°25	10°19			
S 17	17 42 38	26°26'38	20° 6	15°30	11°12	21°13	24° 6	26°37	2°28	17°54	28°55	8°16	8°56	7°32	10°24			
M 18	17 46 35	27°23'59	5♁17	15°14	12°15	21°51	24°18	26°33	2°29	17°54	28°57	8°D15	8°53	7°38	10°30			
T 19	17 50 31	28°21'21	20°26	15° 1	13°17	22°30	24°31	26°28	2°30	17°55	28°58	8°16	8°50	7°45	10°36			
W 20	17 54 28	29°18'41	5♁23	14°52	14°18	23° 8	24°44	26°24	2°31	17°56	28°59	8°16	8°47	7°52	10°42			
T 21	17 58 24	0♁16'01	20° 3	14°D48	15°20	23°47	24°57	26°19	2°31	17°57	29° 1	8°17	8°43	7°58	10°48			
F 22	18 2 21	1°13'21	4♁19	14°48	16°21	24°26	25° 9	26°15	2°32	17°57	29° 2	8°17	8°40	8° 5	10°54			
S 23	18 6 18	2°10'40	18°10	14°53	17°21	25° 4	25°22	26°10	2°33	17°58	29° 4	8°18	8°37	8°12	11° 0			
S 24	18 10 14	3° 7'58	1° 36	15° 2	18°22	25°43	25°35	26° 6	2°34	17°59	29° 5	8°R18	8°34	8°18	11° 6			
M 25	18 14 11	4° 5'17	14°40	15°16	19°22	26°21	25°48	26° 2	2°34	18° 0	29° 7	8°18	8°31	8°25	11°11			
T 26	18 18 7	5° 2'35	27°22	15°35	20°21	27° 0	26° 1	25°57	2°35	18° 1	29° 8	8°18	8°28	8°32	11°17			
W 27	18 22 4	5°59'53	9♁47	15°58	21°21	27°38	26°14	25°53	2°35	18° 2	29°10	8°17	8°24	8°38	11°23			
T 28	18 26 0	6°57'11	21°59	16°25	22°19	28°17	26°27	25°49	2°36	18° 2	29°11	8°17	8°21	8°45	11°29			
F 29	18 29 57	7°54'28	4♂ 0	16°58	23°18	28°55	26°40	25°44	2°36	18° 3	29°13	8°D17	8°18	8°52	11°35			
S 30	18 33 53	8°51'46	15♂54	17♂34	24♁16	29♁34	26♁53	25♁40	2° 37	18♏ 4	29♁14	8♁17	8♁15	8♁58	11♁41			

Delta T = 18m51s

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SWISS EPHEMERIS for the year 2429

JULY 2429

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	18 37 50	9 ⁵⁴ 03	27 ^{II} 43	18 ^{II} 15	25 ^Ω 14	0 ^Ω 12	27 [♁] 6	25 [°] R36	2 ^Υ 37	18 [♁] 6	29 [♁] 16	8 [♁] 17	8 [♁] 12	9 [♁] 5	11 [♁] 47
M 2	18 41 47	10 ⁴⁶ 19	9 [♁] 30	19 [°] 1	26 [°] 11	0 [°] 50	27 [°] 20	25 [°] 32	2 [°] 37	18 [°] 7	29 [°] 17	8 [°] R17	8 [°] 8	9 [°] 12	11 [°] 53
T 3	18 45 43	11 ⁴³ 36	21 [°] 17	19 [°] 50	27 [°] 8	1 [°] 29	27 [°] 33	25 [°] 27	2 [°] 37	18 [°] 8	29 [°] 19	8 [°] R17	8 [°] 5	9 [°] 18	11 [°] 59
W 4	18 49 40	12 ⁴⁰ 52	3 [♁] 7	20 [°] 44	28 [°] 4	2 [°] 7	27 [°] 46	25 [°] 23	2 [°] 37	18 [°] 9	29 [°] 20	8 [°] R17	8 [°] 2	9 [°] 25	12 [°] 5
T 5	18 53 36	13 ³⁸ 08	15 [°] 2	21 [°] 42	29 [°] 0	2 [°] 46	27 [°] 59	25 [°] 19	2 [°] 38	18 [°] 10	29 [°] 22	8 [°] R16	7 [°] 59	9 [°] 31	12 [°] 11
F 6	18 57 33	14 ³⁵ 23	27 [°] 4	22 [°] 45	29 [°] 56	3 [°] 24	28 [°] 12	25 [°] 15	2 [°] 38	18 [°] 11	29 [°] 23	8 [°] R16	7 [°] 56	9 [°] 38	12 [°] 17
S 7	19 1 29	15 ³² 38	9 [♁] 17	23 [°] 51	0 [♁] 50	4 [°] 2	28 [°] 26	25 [°] 11	2 [°] R38	18 [°] 12	29 [°] 25	8 [°] R15	7 [°] 53	9 [°] 45	12 [°] 23
S 8	19 5 26	16 ²⁹ 52	21 [°] 43	25 [°] 1	1 [°] 45	4 [°] 41	28 [°] 39	25 [°] 7	2 [°] 38	18 [°] 14	29 [°] 27	8 [°] R14	7 [°] 49	9 [°] 51	12 [°] 29
M 9	19 9 22	17 ²⁷ 06	4 [♁] 26	26 [°] 15	2 [°] 38	5 [°] 19	28 [°] 52	25 [°] 3	2 [°] 38	18 [°] 15	29 [°] 28	8 [°] R13	7 [°] 46	9 [°] 58	12 [°] 35
T 10	19 13 19	18 ²⁴ 20	17 [°] 28	27 [°] 33	3 [°] 32	5 [°] 57	29 [°] 5	24 [°] 59	2 [°] 38	18 [°] 16	29 [°] 30	8 [°] D13	7 [°] 43	10 [°] 5	12 [°] 41
W11	19 17 16	19 ²¹ 33	0 [♁] 53	28 [°] 55	4 [°] 24	6 [°] 36	29 [°] 19	24 [°] 55	2 [°] 37	18 [°] 17	29 [°] 31	8 [°] R13	7 [°] 40	10 [°] 11	12 [°] 47
T 12	19 21 12	20 ¹⁸ 47	14 [°] 42	0 [♁] 20	5 [°] 16	7 [°] 14	29 [°] 32	24 [°] 52	2 [°] 37	18 [°] 19	29 [°] 33	8 [°] R14	7 [°] 37	10 [°] 18	12 [°] 53
F 13	19 25 9	21 ¹⁵ 59	28 [°] 56	1 [°] 50	6 [°] 8	7 [°] 52	29 [°] 45	24 [°] 48	2 [°] 37	18 [°] 20	29 [°] 34	8 [°] R15	7 [°] 34	10 [°] 25	12 [°] 59
S 14	19 29 5	22 ¹³ 12	13 [♁] 33	3 [°] 23	6 [°] 58	8 [°] 31	29 [°] 59	24 [°] 44	2 [°] 37	18 [°] 21	29 [°] 36	8 [°] R16	7 [°] 30	10 [°] 31	13 [°] 5
S 15	19 33 2	23 ¹⁰ 25	28 [°] 28	4 [°] 59	7 [°] 48	9 [°] 9	0 ^Ω 12	24 [°] 41	2 [°] 36	18 [°] 23	29 [°] 38	8 [°] R16	7 [°] 27	10 [°] 38	13 [°] 11
M16	19 36 58	24 [°] 737	13 [♁] 35	6 [°] 39	8 [°] 38	9 [°] 47	0 [°] 26	24 [°] 37	2 [°] 36	18 [°] 24	29 [°] 39	8 [°] R17	7 [°] 24	10 [°] 45	13 [°] 17
T 17	19 40 55	25 [°] 450	28 [°] 46	8 [°] 23	9 [°] 26	10 [°] 26	0 [°] 39	24 [°] 34	2 [°] 35	18 [°] 26	29 [°] 41	8 [°] R16	7 [°] 21	10 [°] 51	13 [°] 23
W18	19 44 51	26 [°] 203	13 [♁] 50	10 [°] 10	10 [°] 14	11 [°] 4	0 [°] 52	24 [°] 30	2 [°] 35	18 [°] 27	29 [°] 42	8 [°] R14	7 [°] 18	10 [°] 58	13 [°] 29
T 19	19 48 48	26 [°] 5916	28 [°] 39	11 [°] 59	11 [°] 1	11 [°] 42	1 [°] 6	24 [°] 27	2 [°] 34	18 [°] 29	29 [°] 44	8 [°] R12	7 [°] 14	11 [°] 4	13 [°] 34
F 20	19 52 45	27 [°] 5629	13 [♁] 6	13 [°] 52	11 [°] 47	12 [°] 20	1 [°] 19	24 [°] 23	2 [°] 34	18 [°] 30	29 [°] 46	8 [°] R10	7 [°] 11	11 [°] 11	13 [°] 40
S 21	19 56 41	28 [°] 5342	27 [°] 7	15 [°] 48	12 [°] 32	12 [°] 59	1 [°] 33	24 [°] 20	2 [°] 33	18 [°] 32	29 [°] 47	8 [°] 7	7 [°] 8	11 [°] 18	13 [°] 46
S 22	20 0 38	29 [°] 5057	10 ^Υ 40	17 [°] 46	13 [°] 17	13 [°] 37	1 [°] 46	24 [°] 17	2 [°] 32	18 [°] 33	29 [°] 49	8 [°] 5	7 [°] 5	11 [°] 24	13 [°] 52
M23	20 4 34	0 ^Ω 4812	23 [°] 47	19 [°] 46	14 [°] 0	14 [°] 15	1 [°] 59	24 [°] 14	2 [°] 32	18 [°] 35	29 [°] 50	8 [°] 4	7 [°] 2	11 [°] 31	13 [°] 58
T 24	20 8 31	1 [°] 4527	6 [♁] 29	21 [°] 49	14 [°] 43	14 [°] 53	2 [°] 13	24 [°] 11	2 [°] 31	18 [°] 37	29 [°] 52	8 [°] D 4	6 [°] 59	11 [°] 38	14 [°] 4
W25	20 12 27	2 [°] 4243	18 [°] 52	23 [°] 53	15 [°] 24	15 [°] 31	2 [°] 26	24 [°] 8	2 [°] 30	18 [°] 38	29 [°] 54	8 [°] 5	6 [°] 55	11 [°] 44	14 [°] 10
T 26	20 16 24	3 [°] 4000	0 ^{II} 59	25 [°] 58	16 [°] 5	16 [°] 10	2 [°] 40	24 [°] 5	2 [°] 29	18 [°] 40	29 [°] 55	8 [°] 6	6 [°] 52	11 [°] 51	14 [°] 15
F 27	20 20 20	4 [°] 3718	12 [°] 55	28 [°] 4	16 [°] 44	16 [°] 48	2 [°] 53	24 [°] 2	2 [°] 28	18 [°] 42	29 [°] 57	8 [°] 8	6 [°] 49	11 [°] 58	14 [°] 21
S 28	20 24 17	5 [°] 3436	24 [°] 44	0 ^Ω 12	17 [°] 23	17 [°] 26	3 [°] 6	23 [°] 59	2 [°] 27	18 [°] 43	29 [°] 59	8 [°] 10	6 [°] 46	12 [°] 4	14 [°] 27
S 29	20 28 14	6 [°] 3155	6 [♁] 31	2 [°] 19	18 [°] 0	18 [°] 4	3 [°] 20	23 [°] 56	2 [°] 26	18 [°] 45	0 ^Ω 0	8 [°] R10	6 [°] 43	12 [°] 11	14 [°] 33
M30	20 32 10	7 [°] 2915	18 [°] 18	4 [°] 27	18 [°] 36	18 [°] 42	3 [°] 33	23 [°] 54	2 [°] 25	18 [°] 47	0 [°] 2	8 [°] 10	6 [°] 40	12 [°] 18	14 [°] 38
T 31	20 36 7	8 ^Ω 2635	0 ^Ω 8	6 ^Ω 35	19 [♁] 11	19 ^Ω 21	3 ^Ω 47	23 [♁] 51	2 ^Υ 24	18 [♁] 49	0 ^Ω 3	8 [♁] 8	6 [♁] 36	12 [♁] 24	14 [♁] 44

Delta T = 18m51s

AUGUST 2429

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	20 40 3	9 ^Ω 2356	12 ^Ω 5	8 ^Ω 42	19 [♁] 44	19 ^Ω 59	4 ^Ω 0	23 [°] R49	2 [°] R23	18 [♁] 51	0 ^Ω 5	8 [°] R 5	6 [♁] 33	12 [♁] 31	14 [♁] 50
T 2	20 44 0	10 [°] 2117	24 [°] 9	10 [°] 48	20 [°] 16	20 [°] 37	4 [°] 13	23 [°] 47	2 [°] Υ22	18 [°] 52	0 [°] 7	8 [♁] 0	6 [°] 30	12 [°] 38	14 [°] 55
F 3	20 47 56	11 [°] 1839	6 [♁] 23	12 [°] 54	20 [°] 47	21 [°] 15	4 [°] 27	23 [°] 44	2 [°] 21	18 [°] 54	0 [°] 8	7 [°] 54	6 [°] 27	12 [°] 44	15 [°] 1
S 4	20 51 53	12 [°] 1602	18 [°] 48	14 [°] 59	21 [°] 17	21 [°] 53	4 [°] 40	23 [°] 42	2 [°] 20	18 [°] 56	0 [°] 10	7 [°] 49	6 [°] 24	12 [°] 51	15 [°] 7
S 5	20 55 49	13 [°] 1325	1 [♁] 25	17 [°] 3	21 [°] 44	22 [°] 31	4 [°] 53	23 [°] 40	2 [°] 18	18 [°] 58	0 [°] 11	7 [°] 43	6 [°] 20	12 [°] 57	15 [°] 12
M 6	20 59 46	14 [°] 1048	14 [°] 15	19 [°] 5	22 [°] 11	23 [°] 10	5 [°] 7	23 [°] 38	2 [°] 17	19 [°] 0	0 [°] 13	7 [°] 39	6 [°] 17	13 [°] 4	15 [°] 18
T 7	21 3 43	15 [°] 813	27 [°] 21	21 [°] 6	22 [°] 35	23 [°] 48	5 [°] 20	23 [°] 36	2 [°] 16	19 [°] 2	0 [°] 14	7 [°] 36	6 [°] 14	13 [°] 11	15 [°] 23
W 8	21 7 39	16 [°] 537	10 [♁] 45	23 [°] 6	22 [°] 58	24 [°] 26	5 [°] 33	23 [°] 34	2 [°] 14	19 [°] 4	0 [°] 16	7 [°] D34	6 [°] 11	13 [°] 17	15 [°] 29
T 9	21 11 36	17 [°] 303	24 [°] 27	25 [°] 4	23 [°] 20	25 [°] 4	5 [°] 47	23 [°] 32	2 [°] 13	19 [°] 6	0 [°] 18	7 [°] 34	6 [°] 8	13 [°] 24	15 [°] 34
F 10	21 15 32	18 [°] 028	8 [♁] 28	27 [°] 1	23 [°] 39	25 [°] 42	6 [°] 0	23 [°] 31	2 [°] 11	19 [°] 7	0 [°] 19	7 [°] 35	6 [°] 5	13 [°] 31	15 [°] 39
S 11	21 19 29	18 [°] 5755	22 [°] 48	28 [°] 56	23 [°] 57	26 [°] 20	6 [°] 13	23 [°] 29	2 [°] 10	19 [°] 9	0 [°] 21	7 [°] 37	6 [°] 1	13 [°] 37	15 [°] 45
S 12	21 23 25	19 [°] 5522	7 [♁] 26	0 [♁] 49	24 [°] 13	26 [°] 58	6 [°] 26	23 [°] 28	2 [°] 8	19 [°] 11	0 [°] 22	7 [°] R37	5 [°] 58	13 [°] 44	15 [°] 50
M13	21 27 22	20 [°] 5250	22 [°] 16	2 [°] 41	24 [°] 26	27 [°] 37	6 [°] 40	23 [°] 26	2 [°] 6	19 [°] 13	0 [°] 24	7 [°] 36	5 [°] 55	13 [°] 51	15 [°] 55
T 14	21 31 18	21 [°] 5019	7 [♁] 13	4 [°] 32	24 [°] 38	28 [°] 15	6 [°] 53	23 [°] 25	2 [°] 5	19 [°] 15	0 [°] 25	7 [°] 34	5 [°] 52	13 [°] 57	16 [°] 1
W15	21 35 15	22 [°] 4749	22 [°] 9	6 [°] 20	24 [°] 48	28 [°] 53	7 [°] 6	23 [°] 24	2 [°] 3	19 [°] 17	0 [°] 27	7 [°] 29	5 [°] 49	14 [°] 4	16 [°] 6
T 16	21 39 12	23 [°] 4519	6 [♁] 54	8 [°] 8	24 [°] 55	29 [°] 31	7 [°] 19	23 [°] 22	2 [°] 1	19 [°] 19	0 [°] 28	7 [°] 23	5 [°] 45	14 [°] 11	16 [°] 11
F 17	21 43 8	24 [°] 4251	21 [°] 22	9 [°] 53	25 [°] 0	0 [♁] 9	7 [°] 32	23 [°] 21	2 [°] 0	19 [°] 22	0 [°] 30	7 [°] 15	5 [°] 42	14 [°] 17	16 [°] 16
S 18	21 47 5	25 [°] 4024	5 ^Υ												

SWISS EPHEMERIS for the year 2429

SEPTEMBER 2429

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	22 42 16	9♍ 8'37	28♎21	3♌20	21°R43	9♍41	10♌44	23♌17	1°R30	19♎54	0♌51	6°R11	4♌55	15♌57	17♌28		
S 2	22 46 13	10° 6'32	11♌15	4°41	21♎13	10°19	10°57	23°18	1°Y28	19°56	0°52	6♌0	4°51	16° 4	17°33		
M 3	22 50 10	11° 4'28	24°23	6° 1	20°41	10°58	11° 9	23°18	1°26	19°58	0°53	5°51	4°48	16°10	17°37		
T 4	22 54 6	12° 2'25	7♍42	7°20	20° 8	11°36	11°22	23°19	1°24	20° 0	0°55	5°44	4°45	16°17	17°41		
W 5	22 58 3	13° 0'24	21°12	8°36	19°33	12°14	11°34	23°20	1°21	20° 2	0°56	5°40	4°42	16°23	17°46		
T 6	23 1 59	13°58'24	4♌55	9°51	18°58	12°52	11°46	23°21	1°19	20° 5	0°57	5°38	4°39	16°30	17°50		
F 7	23 5 56	14°56'25	18°50	11° 5	18°22	13°30	11°58	23°22	1°17	20° 7	0°58	5°D38	4°36	16°37	17°54		
S 8	23 9 52	15°54'28	2♌58	12°16	17°45	14° 8	12°11	23°23	1°15	20° 9	1° 0	5°R38	4°32	16°43	17°58		
S 9	23 13 49	16°52'32	17°17	13°25	17° 8	14°47	12°23	23°24	1°12	20°11	1° 1	5°37	4°29	16°50	18° 2		
M10	23 17 45	17°50'38	1♌45	14°32	16°30	15°25	12°35	23°25	1°10	20°13	1° 2	5°35	4°26	16°57	18° 6		
T 11	23 21 42	18°48'44	16°19	15°37	15°53	16° 3	12°47	23°27	1° 8	20°16	1° 3	5°31	4°23	17° 3	18°10		
W12	23 25 39	19°46'52	0♌54	16°40	15°16	16°41	12°59	23°28	1° 5	20°18	1° 4	5°23	4°20	17°10	18°14		
T 13	23 29 35	20°45'02	15°22	17°40	14°40	17°19	13°11	23°30	1° 3	20°20	1° 5	5°13	4°17	17°17	18°17		
F 14	23 33 32	21°43'13	29°37	18°38	14° 5	17°58	13°22	23°31	1° 1	20°22	1° 7	5° 2	4°13	17°23	18°21		
S 15	23 37 28	22°41'26	13°Y34	19°32	13°31	18°36	13°34	23°33	0°58	20°25	1° 8	4°50	4°10	17°30	18°25		
S 16	23 41 25	23°39'41	27° 7	20°24	12°58	19°14	13°46	23°35	0°56	20°27	1° 9	4°40	4° 7	17°37	18°28		
M17	23 45 21	24°37'58	10♌17	21°13	12°27	19°52	13°57	23°37	0°54	20°29	1°10	4°31	4° 4	17°43	18°32		
T 18	23 49 18	25°36'17	23° 2	21°59	11°57	20°31	14° 9	23°39	0°51	20°31	1°11	4°25	4° 1	17°50	18°35		
W19	23 53 14	26°34'38	5♌27	22°40	11°29	21° 9	14°20	23°41	0°49	20°33	1°12	4°22	3°57	17°57	18°38		
T 20	23 57 11	27°33'01	17°34	23°18	11° 3	21°47	14°32	23°43	0°46	20°36	1°13	4°20	3°54	18° 3	18°42		
F 21	0 1 8	28°31'27	29°30	23°52	10°39	22°25	14°43	23°46	0°44	20°38	1°14	4°20	3°51	18°10	18°45		
S 22	0 5 4	29°29'54	11♌19	24°22	10°18	23° 4	14°54	23°48	0°42	20°40	1°15	4°20	3°48	18°16	18°48		
S 23	0 9 1	0♌28'23	23° 7	24°46	9°58	23°42	15° 6	23°51	0°39	20°42	1°16	4°19	3°45	18°23	18°51		
M24	0 12 57	1°26'55	4♌59	25° 6	9°41	24°20	15°17	23°53	0°37	20°44	1°17	4°16	3°42	18°30	18°54		
T 25	0 16 54	2°25'28	17° 0	25°20	9°27	24°59	15°28	23°56	0°34	20°47	1°18	4°11	3°38	18°36	18°57		
W26	0 20 50	3°24'04	29°14	25°28	9°14	25°37	15°39	23°59	0°32	20°49	1°18	4° 2	3°35	18°43	19° 0		
T 27	0 24 47	4°22'42	11♎43	25°R30	9° 4	26°15	15°49	24° 1	0°30	20°51	1°19	3°52	3°32	18°50	19° 3		
F 28	0 28 43	5°21'21	24°29	25°25	8°57	26°54	16° 0	24° 4	0°27	20°53	1°20	3°39	3°29	18°56	19° 5		
S 29	0 32 40	6°20'03	7♌31	25°14	8°52	27°32	16°11	24° 7	0°25	20°55	1°21	3°26	3°26	19° 3	19° 8		
S 30	0 36 36	7♌18'46	20♌48	24♌55	8♎50	28♎10	16♌21	24♌10	0°Y22	20♎57	1♌22	3♌13	3♌22	19♌10	19♌11		

Delta T = 18m52s

OCTOBER 2429

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
M 1	0 40 33	8♌17'32	4♍18	24°R29	8°D49	28♎49	16♌32	24♌14	0°R20	21♎0	1♌23	3°R 2	3♌19	19♌16	19♌13		
T 2	0 44 30	9°16'19	17°59	23♌56	8♎51	29°27	16°42	24°17	0°Y18	21° 2	1°23	2♌54	3°16	19°23	19°15		
W 3	0 48 26	10°15'08	1♌48	23°16	8°56	0♌5	16°53	24°20	0°15	21° 4	1°24	2°49	3°13	19°30	19°18		
T 4	0 52 23	11°13'59	15°43	22°29	9° 3	0°44	17° 3	24°24	0°13	21° 6	1°25	2°46	3°10	19°36	19°20		
F 5	0 56 19	12°12'52	29°44	21°35	9°12	1°22	17°13	24°27	0°11	21° 8	1°25	2°D45	3° 7	19°43	19°22		
S 6	1 0 16	13°11'46	13♌48	20°36	9°23	2° 1	17°23	24°31	0° 8	21°10	1°26	2°R45	3° 3	19°50	19°24		
S 7	1 4 12	14°10'42	27°56	19°32	9°36	2°39	17°33	24°35	0° 6	21°12	1°27	2°45	3° 0	19°56	19°26		
M 8	1 8 9	15° 9'40	12♌6	18°25	9°51	3°17	17°43	24°38	0° 4	21°14	1°27	2°42	2°57	20° 3	19°28		
T 9	1 12 5	16° 8'39	26°17	17°16	10° 8	3°56	17°53	24°42	0° 1	21°16	1°28	2°38	2°54	20°10	19°30		
W10	1 16 2	17° 7'40	10♌25	16° 8	10°27	4°34	18° 2	24°46	29♌59	21°19	1°28	2°30	2°51	20°16	19°32		
T 11	1 19 59	18° 6'43	24°28	15° 1	10°48	5°13	18°12	24°50	29°57	21°21	1°29	2°20	2°48	20°23	19°33		
F 12	1 23 55	19° 5'47	8°Y20	13°58	11°11	5°51	18°21	24°54	29°55	21°23	1°30	2° 9	2°44	20°29	19°35		
S 13	1 27 52	20° 4'54	21°57	13° 1	11°36	6°30	18°30	24°59	29°52	21°25	1°30	1°57	2°41	20°36	19°37		
S 14	1 31 48	21° 4'03	5♌16	12°10	12° 2	7° 8	18°39	25° 3	29°50	21°27	1°30	1°46	2°38	20°43	19°38		
M15	1 35 45	22° 3'14	18°16	11°29	12°30	7°47	18°49	25° 7	29°48	21°29	1°31	1°37	2°35	20°49	19°39		
T 16	1 39 41	23° 2'27	0♌56	10°56	13° 0	8°25	18°57	25°12	29°46	21°31	1°31	1°30	2°32	20°56	19°41		
W17	1 43 38	24° 1'42	13°18	10°35	13°31	9° 4	19° 6	25°16	29°44	21°32	1°32	1°26	2°28	21° 3	19°42		
T 18	1 47 34	25° 0'59	25°24	10°23	14° 4	9°42	19°15	25°21	29°42	21°34	1°32	1°25	2°25	21° 9	19°43		
F 19	1 51 31	26° 0'19	7♌20	10°D23	14°38	10°21	19°24	25°25	29°40	21°36	1°32	1°D25	2°22	21°16	19°44		
S 20	1 55 28	26°59'41	19° 9	10°34	15°13	11° 0	19°32	25°30	29°37	21°38	1°33	1°25	2°19	21°23	19°45		
S 21	1 59 24	27°59'05	0♌58	10°55	15°50	11°38	19°40	25°35	29°35	21°40	1°33	1°R26	2°16	21°29	19°45		
M22	2 3 21	28°58'32	12°51	11°26	16°28	12°17	19°49	25°39	29°33	21°42	1°33	1°24	2°13	21°36	19°46		
T 23	2 7 17	29°58'01	24°54	12° 6	17° 7	12°55	19°57	25°44	29°31	21°44	1°34	1°21	2° 9	21°43	19°47		
W24	2 11 14	0♌57'32	7♎12	12°54	17°48	13°34	20° 5	25°49	29°29	21°46	1°34	1°16	2° 6	21°49	19°47		
T 25	2 15 10	1°57'05	19°48	13°51	18°29	14°13	20°12	25°54	29°28	21°47	1°34	1° 8	2° 3	21°56	19°48		
F 26	2 19 7	2°56'40	2♌44	14°54	19°12	14°51	20°20	25°59	29°26	21°49	1°34	0°59	2° 0	22° 3	19°48		
S 27	2 23 3	3°56'18	16° 1	16° 3	19°56	15°30	20°28	26° 5	29°24	21°51	1°34	0°49	1°57	22° 9	19°48		
S 28	2 27 0	4°55'57	29°39	17°18	20°41	16° 9	20°35	26°10	29°22	21°53	1°35	0°39	1°54	22°16	19°49		
M29	2 30 57	5°55'39	13♌33	18°37	21°26	16°47	20°42	26°15	29°20	21°54	1°35	0°30	1°50	22°23	19°49		
T 30	2 34 53	6°55'23	27°40	20° 0	22°13	17°26	20°50	26°20	29°18	21°56	1°35	0°24	1°47	22°29	19°R49		
W31	2 38 50	7♌55'08	11♌55	21♌26	23♎0	18♌5	20♌57	26♌26	29♌17	21♎58	1♌35	0♌20	1♌44	22♌36	19♌49		

Delta T = 18m52s

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SWISS EPHEMERIS for the year 2429

NOVEMBER 2429

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	2 42 46	8♁54'56	26♁13	22♁55	23♁49	18♁44	21♁ 3	26♁31	29°R15	22♁ 0	1°R35	0°D19	1♁41	22♁43	19°R49
F 2	2 46 43	9°54'45	10♁31	24°26	24°38	19°22	21°10	26°37	29°R13	22° 1	1♁35	0°E19	1°38	22°49	19°E48
S 3	2 50 39	10°54'35	24°46	26° 0	25°28	20° 1	21°17	26°42	29°R12	22° 3	1°35	0°20	1°34	22°56	19°48
S 4	2 54 36	11°54'28	8♁55	27°34	26°19	20°40	21°23	26°48	29°10	22° 4	1°35	0°R21	1°31	23° 3	19°48
M 5	2 58 32	12°54'22	22°58	29°10	27°11	21°19	21°29	26°54	29° 9	22° 6	1°35	0°20	1°28	23° 9	19°47
T 6	3 2 29	13°54'17	6♁53	0♁47	28° 3	21°58	21°35	27° 0	29° 7	22° 7	1°34	0°18	1°25	23°16	19°46
W 7	3 6 26	14°54'14	20°40	2°24	28°56	22°36	21°41	27° 5	29° 6	22° 9	1°34	0°14	1°22	23°22	19°46
T 8	3 10 22	15°54'13	4♁16	4° 2	29°50	23°15	21°47	27°11	29° 4	22°10	1°34	0° 8	1°19	23°29	19°45
F 9	3 14 19	16°54'13	17°41	5°40	0♁44	23°54	21°53	27°17	29° 3	22°12	1°34	0° 0	1°15	23°36	19°44
S 10	3 18 15	17°54'15	0♁54	7°19	1°39	24°33	21°58	27°23	29° 1	22°13	1°34	29°II53	1°12	23°42	19°43
S 11	3 22 12	18°54'18	13°52	8°57	2°35	25°12	22° 3	27°29	29° 0	22°15	1°34	29°46	1° 9	23°49	19°42
M12	3 26 8	19°54'24	26°35	10°36	3°31	25°51	22° 8	27°35	28°59	22°16	1°33	29°40	1° 6	23°56	19°41
T 13	3 30 5	20°54'32	9♁ 3	12°14	4°28	26°30	22°13	27°41	28°58	22°18	1°33	29°36	1° 3	24° 2	19°40
W14	3 34 1	21°54'41	21°18	13°53	5°25	27° 9	22°18	27°47	28°57	22°19	1°33	29°34	0°59	24° 9	19°38
T 15	3 37 58	22°54'52	3♁20	15°31	6°23	27°48	22°23	27°53	28°55	22°20	1°32	29°D34	0°56	24°16	19°37
F 16	3 41 55	23°55'05	15°14	17° 9	7°21	28°27	22°27	28° 0	28°54	22°21	1°32	29°35	0°53	24°22	19°36
S 17	3 45 51	24°55'21	27° 3	18°46	8°20	29° 6	22°32	28° 6	28°53	22°23	1°32	29°36	0°50	24°29	19°34
S 18	3 49 48	25°55'38	8♁51	20°24	9°20	29°45	22°36	28°12	28°52	22°24	1°31	29°38	0°47	24°36	19°32
M19	3 53 44	26°55'57	20°44	22° 1	10°20	0♁24	22°40	28°19	28°51	22°25	1°31	29°39	0°44	24°42	19°31
T 20	3 57 41	27°56'17	2♁46	23°38	11°20	1° 3	22°43	28°25	28°50	22°26	1°30	29°R39	0°40	24°49	19°29
W21	4 1 37	28°56'40	15° 2	25°15	12°21	1°42	22°47	28°32	28°50	22°27	1°30	29°38	0°37	24°56	19°27
T 22	4 5 34	29°57'05	27°37	26°51	13°22	2°21	22°50	28°38	28°49	22°28	1°29	29°35	0°34	25° 2	19°25
F 23	4 9 30	0♁57'31	10♁35	28°27	14°23	3° 0	22°54	28°44	28°48	22°30	1°29	29°32	0°31	25° 9	19°23
S 24	4 13 27	1°58'00	23°57	0♁ 3	15°25	3°39	22°57	28°51	28°47	22°31	1°28	29°27	0°28	25°16	19°21
S 25	4 17 24	2°58'30	7♁44	1°38	16°28	4°18	22°59	28°58	28°47	22°32	1°28	29°23	0°25	25°22	19°19
M26	4 21 20	3°59'02	21°54	3°14	17°30	4°57	23° 2	29° 4	28°46	22°33	1°27	29°19	0°21	25°29	19°16
T 27	4 25 17	4°59'35	6♁22	4°49	18°34	5°36	23° 5	29°11	28°45	22°34	1°27	29°17	0°18	25°36	19°14
W28	4 29 13	6° 0'10	21° 3	6°24	19°37	6°16	23° 7	29°18	28°45	22°34	1°26	29°15	0°15	25°42	19°11
T 29	4 33 10	7° 0'46	5♁49	7°58	20°41	6°55	23° 9	29°24	28°44	22°35	1°25	29°D15	0°12	25°49	19° 9
F 30	4 37 6	8♁ 1'24	20♁33	9♁33	21♁45	7♁34	23♁11	29♁31	28♁44	22♁36	1♁25	29°II16	0♁ 9	25♁56	19♁ 6

Delta T = 18m52s

DECEMBER 2429

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	4 41 3	9♁ 2'03	5♁ 9	11♁ 7	22♁49	8♁13	23♁13	29♁38	28°R44	22♁37	1°R24	29°II18	0♁ 5	26♁ 2	19°R 4
S 2	4 44 59	10° 2'43	19°34	12°41	23°54	8°52	23°14	29°45	28°R43	22°38	1♁23	29°19	0° 2	26° 9	19♁ 1
M 3	4 48 56	11° 3'24	3♁42	14°16	24°59	9°32	23°15	29°51	28°43	22°39	1°23	29°20	29°II59	26°16	18°58
T 4	4 52 53	12° 4'06	17°35	15°49	26° 4	10°11	23°16	29°58	28°43	22°39	1°22	29°R20	29°56	26°22	18°55
W 5	4 56 49	13° 4'49	1°Y10	17°23	27°10	10°50	23°17	0♁ 5	28°43	22°40	1°21	29°19	29°53	26°29	18°52
T 6	5 0 46	14° 5'32	14°29	18°57	28°16	11°29	23°18	0°12	28°43	22°41	1°20	29°17	29°50	26°36	18°49
F 7	5 4 42	15° 6'17	27°33	20°31	29°22	12° 9	23°19	0°19	28°43	22°41	1°19	29°16	29°46	26°42	18°46
S 8	5 8 39	16° 7'03	10♁22	22° 4	0♁28	12°48	23°19	0°26	28°D43	22°42	1°19	29°14	29°43	26°49	18°43
S 9	5 12 35	17° 7'50	22°58	23°38	1°35	13°27	23°R19	0°33	28°43	22°42	1°18	29°12	29°40	26°56	18°40
M10	5 16 32	18° 8'38	5♁23	25°11	2°41	14° 7	23°19	0°40	28°43	22°43	1°17	29°10	29°37	27° 2	18°37
T 11	5 20 28	19° 9'27	17°36	26°45	3°48	14°46	23°19	0°47	28°43	22°43	1°16	29° 9	29°34	27° 9	18°34
W12	5 24 25	20°10'17	29°40	28°18	4°56	15°26	23°18	0°54	28°43	22°44	1°15	29°D 9	29°31	27°16	18°30
T 13	5 28 22	21°11'09	11♁37	29°51	6° 3	16° 5	23°18	1° 1	28°43	22°44	1°14	29° 9	29°27	27°22	18°27
F 14	5 32 18	22°12'01	23°28	1♁25	7°11	16°44	23°17	1° 8	28°44	22°45	1°13	29°10	29°24	27°29	18°23
S 15	5 36 15	23°12'55	5♁16	2°58	8°19	17°24	23°16	1°15	28°44	22°45	1°12	29°11	29°21	27°36	18°20
S 16	5 40 11	24°13'49	17° 5	4°31	9°27	18° 3	23°15	1°22	28°44	22°45	1°11	29°11	29°18	27°42	18°16
M17	5 44 8	25°14'45	28°58	6° 4	10°35	18°43	23°13	1°29	28°45	22°46	1°10	29°12	29°15	27°49	18°13
T 18	5 48 4	26°15'42	10♁58	7°38	11°44	19°22	23°12	1°36	28°45	22°46	1° 9	29°12	29°11	27°56	18° 9
W19	5 52 1	27°16'40	23°12	9°11	12°52	20° 2	23°10	1°43	28°46	22°46	1° 8	29°R12	29° 8	28° 2	18° 5
T 20	5 55 57	28°17'39	5♁42	10°43	14° 1	20°41	23° 8	1°50	28°46	22°46	1° 7	29°12	29° 5	28° 9	18° 2
F 21	5 59 54	29°18'39	18°34	12°16	15°10	21°21	23° 6	1°57	28°47	22°46	1° 6	29°D12	29° 2	28°15	17°58
S 22	6 3 51	0♁19'41	1♁50	13°49	16°20	22° 0	23° 3	2° 4	28°48	22°46	1° 5	29°12	28°59	28°22	17°54
S 23	6 7 47	1°20'43	15°33	15°21	17°29	22°40	23° 1	2°11	28°48	22°47	1° 4	29°13	28°56	28°29	17°50
M24	6 11 44	2°21'46	29°44	16°53	18°38	23°20	22°58	2°18	28°49	22°47	1° 3	29°13	28°52	28°35	17°46
T 25	6 15 40	3°22'50	14♁18	18°25	19°48	23°59	22°55	2°25	28°50	22°R47	1° 2	29°13	28°49	28°42	17°42
W26	6 19 37	4°23'55	29°12	19°56	20°58	24°39	22°52	2°32	28°51	22°47	1° 0	29°R13	28°46	28°49	17°39
T 27	6 23 33	5°25'01	14♁17	21°26	22° 8	25°19	22°48	2°39	28°52	22°47	0°59	29°13	28°43	28°55	17°35
F 28	6 27 30	6°26'07	29°25	22°55	23°18	25°58	22°45	2°47	28°53	22°46	0°58	29°13	28°40	29° 2	17°31
S 29	6 31 27	7°27'13	14♁27	24°24	24°28	26°38	22°41	2°54	28°54	22°46	0°57	29°12	28°37	29° 9	17°27
S 30	6 35 23	8°28'20	29°13	25°51	25°39	27°18	22°37	3° 1	28°55	22°46	0°56	29°11	28°33	29°15	17°23
M31	6 39 20	9♁29'26	13♁39	27♁17	26♁49	27♁57	22♁33	3♁ 8	28♁56	22♁46	0♁55	29°II10	28°II30	29♁22	17♁18

Delta T = 18m53s

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