

# SWISS EPHEMERIS for the year 2084

## JANUARY 2084

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	6 42 30	10 <sup>29</sup> 29'14	9 <sup>23</sup> 31	18 <sup>27</sup> 26	18 <sup>27</sup> 59	5 <sup>27</sup> 18	2°R 8	16 <sup>32</sup> 32	15 <sup>27</sup> 55	11°R30	16 <sup>21</sup> 21	29°R24	0 <sup>22</sup> 24	21 <sup>22</sup> 23	25°R 6
S 2	6 46 26	11°30'24	23° 7	19°36	20°12	5°59	2 <sup>22</sup> 3	16°36	15°58	11 <sup>28</sup> 28	16°21	29 <sup>23</sup> 24	0°21	21°29	25 <sup>28</sup> 4
M 3	6 50 23	12°31'33	7 <sup>27</sup> 7	20°48	21°24	6°40	1°58	16°41	16° 1	11°27	16°22	29°23	0°18	21°36	25° 2
T 4	6 54 19	13°32'43	21°32	22° 2	22°37	7°22	1°54	16°45	16° 4	11°25	16°22	29°21	0°15	21°43	25° 0
W 5	6 58 16	14°33'54	6 <sup>27</sup> 18	23°18	23°49	8° 3	1°50	16°50	16° 8	11°24	16°22	29°19	0°11	21°49	24°58
T 6	7 2 12	15°35'04	21°19	24°35	25° 1	8°45	1°46	16°55	16°11	11°23	16°22	29°17	0° 8	21°56	24°57
F 7	7 6 9	16°36'15	6 <sup>23</sup> 28	25°54	26°13	9°26	1°42	17° 0	16°14	11°21	16°22	29°16	0° 5	22° 3	24°55
S 8	7 10 6	17°37'26	21°33	27°14	27°25	10° 8	1°38	17° 4	16°17	11°20	16°22	29°15	0° 2	22° 9	24°53
S 9	7 14 2	18°38'37	6 <sup>22</sup> 27	28°35	28°37	10°50	1°35	17° 9	16°20	11°18	16°22	29°D15	29 <sup>23</sup> 59	22°16	24°52
M10	7 17 59	19°39'47	21° 2	29°57	29°49	11°31	1°32	17°14	16°23	11°17	16°23	29°15	29°56	22°23	24°50
T11	7 21 55	20°40'57	5 <sup>27</sup> 12	1 <sup>23</sup> 21	1 <sup>27</sup> 1	12°13	1°29	17°19	16°27	11°15	16°23	29°16	29°52	22°30	24°49
W12	7 25 52	21°42'06	18°56	2°45	2°13	12°55	1°26	17°25	16°30	11°13	16°23	29°17	29°49	22°36	24°47
T13	7 29 48	22°43'15	2 <sup>27</sup> 12	4°10	3°24	13°36	1°23	17°30	16°33	11°12	16°23	29°18	29°46	22°43	24°46
F14	7 33 45	23°44'23	15° 4	5°35	4°36	14°18	1°21	17°35	16°36	11°10	16°24	29°18	29°43	22°50	24°45
S15	7 37 41	24°45'30	27°35	7° 2	5°47	15° 0	1°18	17°40	16°40	11° 9	16°24	29°R18	29°40	22°56	24°44
S16	7 41 38	25°46'37	9 <sup>28</sup> 49	8°29	6°59	15°42	1°16	17°46	16°43	11° 7	16°24	29°18	29°36	23° 3	24°43
M17	7 45 35	26°47'43	21°51	9°57	8°10	16°23	1°15	17°51	16°46	11° 5	16°25	29°18	29°33	23°10	24°41
T18	7 49 31	27°48'49	3 <sup>27</sup> 44	11°26	9°21	17° 5	1°13	17°57	16°50	11° 4	16°25	29°17	29°30	23°16	24°40
W19	7 53 28	28°49'54	15°33	12°55	10°32	17°47	1°11	18° 3	16°53	11° 2	16°26	29°D17	29°27	23°23	24°40
T20	7 57 24	29°50'58	27°22	14°25	11°43	18°29	1°10	18° 8	16°56	11° 0	16°26	29°17	29°24	23°30	24°39
F21	8 1 21	0 <sup>22</sup> 52'02	9 <sup>28</sup> 14	15°55	12°54	19°11	1° 9	18°14	17° 0	10°59	16°27	29°17	29°21	23°36	24°38
S22	8 5 17	1°53'04	21°11	17°26	14° 4	19°53	1° 8	18°20	17° 3	10°57	16°27	29°18	29°17	23°43	24°37
S23	8 9 14	2°54'06	3 <sup>28</sup> 15	18°57	15°15	20°35	1° 8	18°26	17° 6	10°56	16°28	29°R18	29°14	23°50	24°36
M24	8 13 10	3°55'08	15°29	20°30	16°25	21°17	1° 7	18°32	17°10	10°54	16°28	29°17	29°11	23°56	24°36
T25	8 17 7	4°56'08	27°53	22° 2	17°35	21°59	1°D 7	18°38	17°13	10°52	16°29	29°17	29° 8	24° 3	24°35
W26	8 21 4	5°57'08	10 <sup>27</sup> 29	23°36	18°46	22°41	1° 7	18°44	17°17	10°50	16°29	29°16	29° 5	24°10	24°35
T27	8 25 0	6°58'08	23°18	25°10	19°55	23°23	1° 8	18°50	17°20	10°49	16°30	29°15	29° 2	24°16	24°34
F28	8 28 57	7°59'06	6 <sup>22</sup> 22	26°44	21° 5	24° 6	1° 8	18°56	17°24	10°47	16°31	29°14	28°58	24°23	24°34
S29	8 32 53	9° 0'04	19°40	28°20	22°15	24°48	1° 9	19° 2	17°27	10°45	16°31	29°13	28°55	24°30	24°34
S30	8 36 50	10° 1'02	3 <sup>28</sup> 15	29°56	23°25	25°30	1° 9	19° 9	17°31	10°44	16°32	29°13	28°52	24°36	24°33
M31	8 40 46	11 <sup>27</sup> 15'59	17 <sup>27</sup> 7	1 <sup>28</sup> 32	24 <sup>27</sup> 34	26 <sup>27</sup> 12	1 <sup>27</sup> 10	19 <sup>27</sup> 15	17 <sup>27</sup> 34	10 <sup>27</sup> 42	16 <sup>27</sup> 33	29°D13	28 <sup>27</sup> 49	24 <sup>27</sup> 43	24 <sup>27</sup> 33

Delta T = 184.59 sec.

## FEBRUARY 2084

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	8 44 43	12 <sup>27</sup> 25'55	1 <sup>27</sup> 16	3 <sup>28</sup> 9	25 <sup>27</sup> 43	26 <sup>27</sup> 55	1 <sup>27</sup> 12	19 <sup>27</sup> 21	17 <sup>27</sup> 37	10°R40	16°V33	29°Z13	28°Z46	24°I50	24°R33
W 2	8 48 39	13° 3'51	15°39	4°47	26°52	27°37	1°13	19°28	17°41	10°R39	16°34	29°14	28°42	24°56	24°D33
T 3	8 52 36	14° 4'46	0 <sup>23</sup> 15	6°26	28° 1	28°19	1°15	19°34	17°44	10°37	16°35	29°15	28°39	25° 3	24 <sup>28</sup> 33
F 4	8 56 33	15° 5'40	14°58	8° 5	29°10	29° 2	1°17	19°41	17°48	10°35	16°36	29°16	28°36	25°10	24°33
S 5	9 0 29	16° 6'33	29°43	9°45	0°V19	29°44	1°19	19°47	17°51	10°34	16°36	29°R17	28°33	25°16	24°33
S 6	9 4 26	17° 7'25	14 <sup>27</sup> 23	11°26	1°27	0 <sup>23</sup> 26	1°21	19°54	17°55	10°32	16°37	29°16	28°30	25°23	24°34
M 7	9 8 22	18° 8'16	28°50	13° 8	2°35	1° 9	1°23	20° 0	17°58	10°30	16°38	29°15	28°27	25°30	24°34
T 8	9 12 19	19° 9'06	12 <sup>27</sup> 59	14°50	3°43	1°51	1°26	20° 7	18° 2	10°29	16°39	29°12	28°23	25°36	24°34
W 9	9 16 15	20° 9'54	26°46	16°33	4°51	2°34	1°29	20°14	18° 5	10°27	16°40	29° 9	28°20	25°43	24°35
T10	9 20 12	21°10'41	10°V 8	18°17	5°59	3°16	1°32	20°21	18° 9	10°25	16°41	29° 6	28°17	25°50	24°35
F11	9 24 8	22°11'26	23° 6	20° 1	7° 6	3°59	1°35	20°27	18°12	10°24	16°41	29° 3	28°14	25°56	24°36
S12	9 28 5	23°12'10	5 <sup>28</sup> 43	21°47	8°13	4°42	1°39	20°34	18°16	10°22	16°42	29° 0	28°11	26° 3	24°36
S13	9 32 2	24°12'52	18° 0	23°33	9°20	5°24	1°42	20°41	18°19	10°20	16°43	28°59	28° 8	26°10	24°37
M14	9 35 58	25°13'33	0 <sup>27</sup> 3	25°20	10°27	6° 7	1°46	20°48	18°23	10°19	16°44	28°D59	28° 4	26°16	24°38
T15	9 39 55	26°14'12	11°56	27° 8	11°34	6°49	1°50	20°55	18°26	10°17	16°45	29° 0	28° 1	26°23	24°39
W16	9 43 51	27°14'50	23°45	28°56	12°40	7°32	1°54	21° 2	18°30	10°15	16°46	29° 2	27°58	26°30	24°40
T17	9 47 48	28°15'25	5 <sup>28</sup> 34	0 <sup>27</sup> 46	13°46	8°15	1°58	21° 9	18°33	10°14	16°47	29° 4	27°55	26°36	24°41
F18	9 51 44	29°15'59	17°28	2°36	14°52	8°58	2° 3	21°16	18°37	10°12	16°48	29° 5	27°52	26°43	24°42
S19	9 55 41	0 <sup>27</sup> 16'32	29°31	4°26	15°57	9°40	2° 8	21°23	18°40	10°11	16°49	29°R 6	27°48	26°50	24°43
S20	9 59 37	1°17'02	11°Q45	6°17	17° 3	10°23	2°13	21°30	18°44	10° 9	16°50	29° 5	27°45	26°56	24°44
M21	10 3 34	2°17'31	24°13	8° 9	18° 8	11° 6	2°18	21°37	18°47	10° 8	16°51	29° 3	27°42	27° 3	24°45
T22	10 7 31	3°17'59	6 <sup>27</sup> 56	10° 1	19°12	11°49	2°23	21°45	18°50	10° 6	16°52	28°58	27°39	27°10	24°46
W23	10 11 27	4°18'24	19°54	11°54	20°17	12°32	2°28	21°52	18°54	10° 5	16°54	28°53	27°36	27°16	24°48
T24	10 15 24	5°18'49	3 <sup>28</sup> 7	13°46	21°21	13°15	2°34	21°59	18°57	10° 3	16°55	28°47	27°33	27°23	24°49
F25	10 19 20	6°19'11	16°33	15°38	22°24	13°58	2°40	22° 6	19° 1	10° 2	16°56	28°40	27°29	27°30	24°51
S26	10 23 17	7°19'33	0 <sup>27</sup> 10	17°30	23°28	14°40	2°46	22°13	19° 4	10° 0	16°57	28°35	27°26	27°36	24°52
S27	10 27 13	8°19'53	13°58	19°22	24°31	15°23	2°52	22°21	19° 7	9°59	16°58	28°31	27°23	27°43	24°54
M28	10 31 10	9°20'11	27°54	21°12	25°34	16° 6	2°58	22°28	19°11	9°57	16°59	28°28	27°20	27°50	24°55
T29	10 35 6	10 <sup>27</sup> 20'28	11 <sup>27</sup> 57	23 <sup>27</sup> 8	26°V36	16 <sup>27</sup> 49	3 <sup>27</sup> 4	22 <sup>27</sup> 35	19 <sup>27</sup> 14	9 <sup>27</sup> 56	17°V 0	28°D28	27 <sup>27</sup> 17	27 <sup>27</sup> 56	24 <sup>27</sup> 57

Delta T = 184.76 sec.

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# SWISS EPHEMERIS for the year 2084

## MARCH 2084

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	10 39 3	11°40'44"	26°47'6"	24°45'0"	27°43'38"	17°33'33"	3°11'11"	22°44'43"	19°44'17"	9°45'54"	17°42'2"	28°38'28"	27°38'14"	28°42'3"	24°48'59"
T 2	10 43 0	12°20'58"	10°30'20"	26°35'28"	28°40'18"	18°16'3°18"	22°50'19°20"	9°45'53"	17°42'3"	28°30'27°10"	28°10'28°10"	25°1'25°1'			
F 3	10 46 56	13°21'11"	24°36'28"	28°19'29°41"	18°59'3°24"	22°57'19°24"	9°52'17°4"	28°30'28°30'	27°7'28°16'	25°3'25°3'					
S 4	10 50 53	14°21'23"	8°45'33"	29°59'0°42"	19°42'3°31"	23°5'19°27"	9°50'17°5"	28°30'27°4'	28°23'28°23'	25°5'25°5'					
S 5	10 54 49	15°21'32"	23°6'6"	1°43'1°43'	20°25'3°39'	23°12'19°30'	9°49'17°6'	28°28'27°1'	28°30'28°30'	25°7'25°7'					
M 6	10 58 46	16°21'40"	7°41'11"	3°9'2°43'	21°8'3°46'	23°19'19°33'	9°48'17°8'	28°23'26°58'	28°36'28°36'	25°9'25°9'					
T 7	11 2 42	17°21'46"	21°4'4°37'	3°42'21°51'	3°53'23°27'	19°37'19°37'	9°46'17°9'	28°16'26°54'	28°43'28°43'	25°11'25°11'					
W 8	11 6 39	18°21'50"	4°40'40"	6°1'4°41'	22°35'4°1'	23°34'19°40'	9°45'17°10'	28°8'26°51'	28°50'28°50'	25°13'25°13'					
T 9	11 10 35	19°21'52"	17°58'7°18'	5°40'23°18'	4°9'23°42'	19°43'19°43'	9°44'17°12'	27°58'26°48'	28°56'28°56'	25°15'25°15'					
F 10	11 14 32	20°21'52"	0°45'54"	8°29'6°38'	24°1'4°17'	23°49'19°46'	9°43'17°13'	27°49'26°45'	29°3'29°3'	25°17'25°17'					
S 11	11 18 28	21°21'50"	13°31'9°34'	7°36'24°44'	4°25'23°56'	19°49'19°49'	9°42'17°14'	27°42'26°42'	29°10'29°10'	25°20'25°20'					
S 12	11 22 25	22°21'46"	25°50'10°31'	8°33'25°28'	4°33'24°4'	19°52'19°52'	9°40'17°15'	27°36'26°39'	29°16'29°16'	25°22'25°22'					
M13	11 26 22	23°21'40"	7°42'11"	11°21'9°30'	26°11'4°41'	24°11'19°55'	9°39'17°17'	27°32'26°35'	29°23'29°23'	25°25'25°25'					
T 14	11 30 18	24°21'32"	19°48'12°3'	10°26'26°54'	4°50'24°19'	19°58'19°58'	9°38'17°18'	27°31'26°32'	29°30'29°30'	25°27'25°27'					
W15	11 34 15	25°21'21"	1°46'37"	12°36'11°22'	27°38'4°58'	24°26'20°1'	9°37'17°19'	27°31'26°29'	29°36'29°36'	25°30'25°30'					
T 16	11 38 11	26°21'09"	13°27'13°1'	12°17'28°21'	5°7'24°33'	20°4'9°36'	17°21'27°32'	26°26'29°43'	25°32'25°32'						
F 17	11 42 8	27°20'54"	25°22'13°18'	13°11'29°4'	5°16'24°41'	20°7'9°35'	17°22'27°32'	26°23'29°50'	25°35'25°35'						
S 18	11 46 4	28°20'36"	7°42'28"	13°R26'	14°5'29°48'	5°25'24°48'	17°24'27°32'	26°19'29°56'	25°38'25°38'						
S 19	11 50 1	29°20'17"	19°49'13°26'	14°58'0°43'	5°34'24°56'	20°13'9°33'	17°25'27°30'	26°16'29°53'	25°40'25°40'						
M20	11 53 57	0°41'19°55"	2°42'28"	13°18'15°50'	1°15'5°43'	25°3'20°16'	9°32'17°26'	27°25'26°13'	0°10'25°43'						
T 21	11 57 54	1°19'32"	15°27'13°2'	16°42'1°58'	5°53'25°10'	20°19'9°31'	17°28'27°17'	26°10'0°16'	25°46'25°46'						
W22	12 1 51	2°19'06"	28°46'12°39'	17°33'2°42'	6°2'25°18'	20°22'9°30'	17°29'27°8'	26°7'0°23'	25°49'25°49'						
T 23	12 5 47	3°18'38"	12°42'12°9'	18°23'3°25'	6°12'25°25'	20°24'9°29'	17°30'26°57'	26°4'0°29'	25°52'25°52'						
F 24	12 9 44	4°18'08"	26°17'11°33'	19°12'4°9'	6°21'25°33'	20°27'9°28'	17°32'26°46'	26°0'0°36'	25°55'25°55'						
S 25	12 13 40	5°17'36"	10°42'10°52'	20°1'4°52'	6°31'25°40'	20°30'9°28'	17°33'26°35'	25°57'0°43'	25°58'25°58'						
S 26	12 17 37	6°17'02"	24°32'10°6'	20°49'5°36'	6°41'25°47'	20°33'9°27'	17°35'26°27'	25°54'0°49'	26°1'26°1'						
M27	12 21 33	7°16'27"	8°45'9°18'	21°35'6°19'	6°51'25°55'	20°35'9°26'	17°36'26°22'	25°51'0°56'	26°4'26°4'						
T 28	12 25 30	8°15'50"	22°56'8°27'	22°21'7°3'	7°1'26°2'	20°38'9°25'	17°38'26°19'	25°48'1°3'	26°7'26°7'						
W29	12 29 26	9°15'11"	7°5'7°36'	23°6'7°46'	7°12'26°9'	20°41'9°25'	17°39'25°45'	1°9'26°11'	26°11'26°11'						
T 30	12 33 23	10°14'31"	21°9'6°44'	23°50'8°30'	7°22'26°17'	20°43'9°24'	17°40'26°18'	25°41'1°16'	26°14'26°14'						
F 31	12 37 20	11°13'49"	5°49'9"	5°45'24°43'	9°44'14"	7°32'26°42'	17°42'26°18'	25°38'1°23'	26°17'26°17'						

Delta T = 184.91 sec.

## APRIL 2084

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	12 41 16	12°41'13°05"	19°42'2"	5°R 5'	25°48'15"	9°45'57"	7°42'43"	26°43'31"	20°44'17"	9°45'23"	17°42'43"	26°41'16"	25°35'35"	1°42'29"	26°48'20"
S 2	12 45 13	13°12'19"	2°48'49"	4°42'20"	25°56'10°41'	7°54'26°38'	20°51'9°42'	17°45'26°31'	25°32'25°32'	1°36'26°24'					
M 3	12 49 9	14°11'31"	16°28'3°38'	26°35'11°25'	8°4'26°45'	20°53'9°22'	17°46'26°5'	25°29'1°43'	26°27'26°27'						
T 4	12 53 6	15°10'41"	29°56'3°0'	27°14'12°8'	8°15'26°53'	20°55'9°21'	17°48'25°55'	25°25'1°49'	26°31'26°31'						
W 5	12 57 2	16°9'50"	13°41'12"	2°26'27°51'	12°52'8°26'	27°0'20°58'	9°21'17°49'	25°43'25°22'	1°56'26°34'						
T 6	13 0 59	17°8'56"	26°14'1°58'	28°27'13°36'	8°37'27°7'	21°0'9°20'	17°50'25°30'	25°19'2°3'	26°38'26°38'						
F 7	13 4 55	18°8'00"	8°45'59"	1°35'29°2'	14°19'8°48'	27°14'21°2'	9°20'17°52'	25°17'2°9'	26°41'26°41'						
S 8	13 8 52	19°7'03"	21°29'1°17'	29°35'15°3'	9°0'27°21'	21°5'9°20'	17°53'25°5'	25°13'2°16'	26°45'26°45'						
S 9	13 12 48	20°6'03"	3°42'44"	1°5'0°11'	15°47'9°11'	27°28'21°7'	9°19'17°55'	24°56'25°10'	2°23'26°49'						
M10	13 16 45	21°5'01"	15°46'0°58'	0°37'16°30'	9°22'27°35'	21°9'9°19'	17°56'24°49'	25°6'2°29'	26°52'26°52'						
T 11	13 20 42	22°3'56"	27°39'0°D57'	1°6'17°14'	9°34'27°42'	21°11'9°19'	17°58'24°45'	25°3'2°36'	26°56'26°56'						
W12	13 24 38	23°2'50"	9°42'28"	1°1'1°33'	17°58'9°45'	27°49'21°13'	9°18'17°59'	24°43'25°0'	2°43'27°0'						
T 13	13 28 35	24°1'41"	21°16'1°10'	1°58'18°42'	9°57'27°56'	21°15'9°18'	18°0'24°43'	24°57'2°49'	27°3'27°3'						
F 14	13 32 31	25°0'30"	3°42'11"	1°24'2°22'	19°25'10°9'	28°3'21°17'	9°18'18°2'	24°43'2°56'	27°7'27°7'						
S 15	13 36 28	25°59'17"	15°17'1°43'	2°44'20°9'	10°20'28°10'	21°19'9°18'	18°3'24°42'	24°51'3°3'	27°11'27°11'						
S 16	13 40 24	26°58'01"	27°40'2°7'	3°4'20°53'	10°32'28°17'	21°21'9°18'	18°5'24°39'	24°47'3°9'	27°15'27°15'						
M17	13 44 21	27°56'43"	10°42'2°35'	3°22'21°37'	10°44'28°24'	21°23'9°18'	18°6'24°34'	24°44'3°16'	27°19'27°19'						
T 18	13 48 17	28°55'23"	23°31'3°7'	3°38'22°20'	10°56'28°30'	21°25'9°18'	18°8'24°26'	24°41'3°23'	27°23'27°23'						
W19	13 52 14	29°54'01"	7°42'4'	3°43'3°52'	23°4'11°8'	28°37'21°26'	9°18'18°9'	24°16'24°38'	3°29'27°27'						
T 20	13 56 11	0°45'23'	21°0'4°23'	4°4'23°48'	11°20'28°44'	21°28'9°18'	18°10'24°5'	24°35'3°36'	27°30'27°30'						
F 21	14 0 7	1°51'11"	5°42'17"	5°7'4°14'	24°31'11°32'	28°50'21°30'	9°18'18°12'	23°53'24°31'	3°43'27°34'						
S 22	14 4 4	2°49'43"	19°47'5°55'	4°22'25°15'	11°45'28°57'	21°31'9°18'	18°13'23°42'	24°28'3°49'	27°38'27°38'						
S 23	14 8 0	3°48'13"	4°42'24"	6°46'4°27'	25°59'11°57'	29°4'21°33'	9°18'18°15'	23°33'24°25'	3°56'27°42'						
M24	14 11 57	4°46'41"	19°1'7°40'	4°30'26°43'	12°9'29°10'	21°35'9°18'	18°16'23°27'	24°22'4°2'	27°47'27°47'						
T 25	14 15 53	5°45'08"	3°32'8°37'	4°R31'	27°26'12°22'	29°17'21°36'	9°18'18°17'	23°24'24°19'	4°9'27°51'						
W26	14 19 50	6°43'34"	17°53'9°37'	4°29'28°10'	12°34'29°23'	21°38'9°18'	18°19'23°D23'	24°16'4°16'	27°55'27°55'						
T 27	14 23 46	7°41'58"	2°42'10°40'	4°25'28°54'	12°47'29°29'	21°39'9°19'	18°20'23°R23'	24°12'4°22'	27°59'27°59'						
F 28	14 27 43	8°40'20"	11°45'4°18'	29°38'13°0'	29°36'21°40'	21°40'9°19'	18°21'23°23'	24°9'4°29'	28°3'28°3'						
S 29	14 31 40	9°38'40"	29°38'12°53'	4°9'0°42'	13°12'29°42'	21°42'9°19'	18°23'23°21'	24°6'4°36'	28°7'28°7'						
S 30	14 35 36	10°36'59"	13°48'8"	14°4'4"	3°42'58"	1°45'13°42'	29°48'21°44'	9°42'18°20'	23°38'24°3'	4°42'28°42'					

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# SWISS EPHEMERIS for the year 2084

MAY 2084

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	14 39 33	11♂35'17	26♂25	15♂17	3°R44	1♂49	13♂38	29♂55	21♂44	9♂20	18♂25	23°R11	24♂0	4♂49	28♂15
T 2	14 43 29	12°33'33	9♂31	16°33	3♂28	2°33	13°51	0♂1	21°45	9°21	18°27	23♂2	23°56	4°56	28°20
W 3	14 47 26	13°31'47	22°25	17°50	3°9	3°16	14°4	0°7	21°47	9°21	18°28	22°51	23°53	5°2	28°24
T 4	14 51 22	14°30'00	5♂6	19°11	2°48	4°0	14°17	0°13	21°48	9°21	18°29	22°39	23°50	5°9	28°28
F 5	14 55 19	15°28'11	17°36	20°33	2°25	4°44	14°30	0°19	21°49	9°22	18°31	22°27	23°47	5°16	28°32
S 6	14 59 15	16°26'21	29°53	21°57	2°0	5°27	14°43	0°25	21°50	9°23	18°32	22°16	23°44	5°22	28°36
S 7	15 3 12	17°24'28	12♂0	23°24	1°33	6°11	14°56	0°31	21°51	9°23	18°33	22°8	23°41	5°29	28°41
M 8	15 7 9	18°22'35	23°57	24°52	1°3	6°54	15°9	0°36	21°52	9°24	18°35	22°2	23°37	5°36	28°45
T 9	15 11 5	19°20'39	5♂47	26°23	0°33	7°38	15°22	0°42	21°52	9°24	18°36	21°58	23°34	5°42	28°49
W10	15 15 2	20°18'41	17°34	27°56	0°0	8°21	15°35	0°48	21°53	9°25	18°37	21°D56	23°31	5°49	28°54
T 11	15 18 58	21°16'42	29°22	29°31	29♂26	9°5	15°48	0°53	21°54	9°26	18°38	21°57	23°28	5°56	28°58
F 12	15 22 55	22°14'40	11♂16	1♂8	28°51	9°48	16°2	0°59	21°55	9°26	18°40	21°57	23°25	6°2	29°2
S 13	15 26 51	23°12'37	23°21	2°46	28°15	10°32	16°15	1°5	21°55	9°27	18°41	21°R58	23°22	6°9	29°7
S 14	15 30 48	24°10'32	5♂42	4°27	27°38	11°15	16°28	1°10	21°56	9°28	18°42	21°57	23°18	6°16	29°11
M15	15 34 44	25°8'25	18°25	6°10	27°0	11°59	16°42	1°15	21°56	9°29	18°43	21°54	23°15	6°22	29°15
T 16	15 38 41	26°6'17	1♂33	7°55	26°22	12°42	16°55	1°21	21°57	9°30	18°44	21°50	23°12	6°29	29°19
W17	15 42 38	27°4'07	15°9	9°42	25°45	13°26	17°9	1°26	21°57	9°31	18°46	21°43	23°9	6°35	29°24
T 18	15 46 34	28°1'55	29°12	11°31	25°7	14°9	17°22	1°31	21°58	9°32	18°47	21°35	23°6	6°42	29°28
F 19	15 50 31	28°59'41	13♂40	13°22	24°30	14°52	17°36	1°36	21°58	9°33	18°48	21°27	23°2	6°49	29°32
S 20	15 54 27	29°57'26	28°27	15°15	23°53	15°36	17°49	1°41	21°58	9°34	18°49	21°19	22°59	6°55	29°37
S 21	15 58 24	0♂55'10	13♂24	17°10	23°18	16°19	18°3	1°46	21°59	9°35	18°50	21°13	22°56	7°2	29°41
M22	16 2 20	1°52'53	28°24	19°7	22°44	17°2	18°16	1°51	21°59	9°36	18°51	21°9	22°53	7°9	29°46
T 23	16 6 17	2°50'34	13♂17	21°6	22°11	17°45	18°30	1°56	21°59	9°37	18°52	21°7	22°50	7°15	29°50
W24	16 10 14	3°48'15	27°57	23°7	21°39	18°28	18°44	2°1	21°59	9°38	18°54	21°D7	22°47	7°22	29°54
T 25	16 14 10	4°45'54	12♂19	25°10	21°9	19°11	18°57	2°5	21°59	9°39	18°55	21°8	22°43	7°29	29°59
F 26	16 18 7	5°43'32	26°21	27°14	20°41	19°55	19°11	2°10	21°R59	9°40	18°56	21°9	22°40	7°35	0♂3
S 27	16 22 3	6°41'09	10♂4	29°20	20°16	20°38	19°25	2°15	21°59	9°41	18°57	21°R10	22°37	7°42	0°7
S 28	16 26 0	7°38'46	23°27	1♂28	19°52	21°21	19°38	2°19	21°59	9°42	18°58	21°8	22°34	7°49	0°12
M29	16 29 56	8°36'21	6♂32	3°37	19°30	22°4	19°52	2°24	21°59	9°44	18°59	21°5	22°31	7°55	0°16
T 30	16 33 53	9°33'56	19°23	5°47	19°11	22°46	20°6	2°28	21°59	9°45	19°0	21°1	22°28	8°2	0°20
W31	16 37 49	10♂31'30	1♂59	7♂58	18♂54	23♂29	20♂20	2♂32	21♂59	9♂46	19♂1	20♂54	22♂24	8♂9	0♂24

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JUNE 2084

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	16 41 46	11♂29'02	14♂24	10♂9	18°R40	24♂12	20♂33	2♂36	21°R58	9♂48	19♂2	20°R47	22♂21	8♂15	0♂29
F 2	16 45 43	12°26'34	26°38	12°21	18♂28	24°55	20°47	2°40	21♂58	9°49	19°3	20♂40	22°18	8°22	0°33
S 3	16 49 39	13°24'05	8♂43	14°33	18°18	25°37	21°1	2°44	21°58	9°50	19°4	20°34	22°15	8°29	0°37
S 4	16 53 36	14°21'35	20°40	16°45	18°11	26°20	21°15	2°48	21°57	9°52	19°4	20°29	22°12	8°35	0°42
M 5	16 57 32	15°19'04	2♂31	18°57	18°6	27°3	21°29	2°52	21°57	9°53	19°5	20°26	22°8	8°42	0°46
T 6	17 1 29	16°16'32	14°18	21°8	18°3	27°45	21°42	2°56	21°56	9°55	19°6	20°24	22°5	8°48	0°50
W 7	17 5 25	17°13'59	26°5	23°18	18°D3	28°28	21°56	2°59	21°56	9°56	19°7	20°D24	22°2	8°55	0°54
T 8	17 9 22	18°11'25	7♂54	25°27	18°5	29°10	22°10	3°3	21°55	9°58	19°8	20°26	21°59	9°2	0°58
F 9	17 13 18	19°8'50	19°49	27°34	18°9	29°52	22°24	3°7	21°54	9°59	19°9	20°27	21°56	9°8	1°3
S 10	17 17 15	20°6'14	1♂54	29°40	18°16	0♂35	22°38	3°10	21°54	10°1	19°10	20°29	21°53	9°15	1°7
S 11	17 21 12	21°3'36	14°15	1♂44	18°25	1°17	22°52	3°13	21°53	10°2	19°10	20°30	21°49	9°22	1°11
M12	17 25 8	22°0'58	26°55	3°46	18°35	1°59	23°6	3°16	21°52	10°4	19°11	20°R30	21°46	9°28	1°15
T 13	17 29 5	22°58'19	10♂0	5°47	18°48	2°41	23°19	3°20	21°51	10°5	19°12	20°29	21°43	9°35	1°19
W14	17 33 1	23°55'38	23°31	7°45	19°3	3°23	23°33	3°23	21°51	10°7	19°13	20°27	21°40	9°42	1°23
T 15	17 36 58	24°52'57	7♂30	9°41	19°20	4°5	23°47	3°26	21°50	10°9	19°13	20°24	21°37	9°48	1°28
F 16	17 40 54	25°50'15	21°56	11°34	19°39	4°46	24°1	3°28	21°49	10°10	19°14	20°20	21°34	9°55	1°32
S 17	17 44 51	26°47'32	6♂45	13°26	19°59	5°28	24°15	3°31	21°48	10°12	19°15	20°17	21°30	10°2	1°36
S 18	17 48 47	27°44'48	21°49	15°15	20°21	6°10	24°29	3°34	21°47	10°14	19°15	20°15	21°27	10°8	1°40
M19	17 52 44	28°42'04	7♂0	17°2	20°45	6°51	24°42	3°36	21°45	10°16	19°16	20°13	21°24	10°15	1°44
T 20	17 56 41	29°39'20	22°9	18°46	21°11	7°33	24°56	3°39	21°44	10°17	19°17	20°D13	21°21	10°22	1°48
W21	18 0 37	0♂36'35	7♂6	20°28	21°38	8°14	25°10	3°41	21°43	10°19	19°17	20°13	21°18	10°28	1°52
T 22	18 4 34	1°33'49	21°44	22°8	22°7	8°55	25°24	3°44	21°42	10°21	19°18	20°15	21°14	10°35	1°56
F 23	18 8 30	2°31'04	6♂0	23°45	22°37	9°36	25°38	3°46	21°41	10°23	19°18	20°16	21°11	10°42	2°0
S 24	18 12 27	3°28'18	19°50	25°20	23°9	10°18	25°51	3°48	21°39	10°25	19°19	20°17	21°8	10°48	2°3
S 25	18 16 23	4°25'32	3♂16	26°52	23°42	10°59	26°5	3°50	21°38	10°27	19°19	20°R17	21°5	10°55	2°7
M26	18 20 20	5°22'46	16°20	28°22	24°16	11°39	26°19	3°52	21°37	10°28	19°20	20°17	21°2	11°1	2°11
T 27	18 24 17	6°20'00	29°4	29°49	24°52	12°20	26°33	3°54	21°35	10°30	19°20	20°16	20°59	11°8	2°15
W28	18 28 13	7°17'15	11♂30	1♂14	25°28	13°1	26°46	3°56	21°34	10°32	19°21	20°15	20°55	11°15	2°19
T 29	18 32 10	8°14'29	23°44	2°37	26°6	13°41	27°0	3°57	21°32	10°34	19°21	20°13	20°52	11°21	2°22
F 30	18 36 6	9♂11'43	5♂47	3♂57	26♂45	14♂22	27♂14	3♂59	21♂31	10♂36	19♂22	20♂31	20♂49	11♂28	2♂26

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# SWISS EPHEMERIS for the year 2084

JULY 2084

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	18 40 3	10° 8'57"	17° 11'42"	5° 14'14"	27° 18'25"	15° 17'2	27° 11'27"	4° 17'0	21° 18'29"	10° 10'38"	19° 17'22"	20° 18'10"	20° 18'46"	11° 18'35"	2° 11'30"
S 2	18 43 59	11° 6'11"	29° 32'	6° 29'	28° 7'	15° 42'	27° 41'	4° 1'	21° 27'27"	10° 40'	19° 22'	20° 18'9"	20° 43'	11° 41'	2° 33'
M 3	18 47 56	12° 3'25"	11° 18'19"	7° 41'	28° 49'	16° 22'	27° 55'	4° 3'	21° 26'	10° 42'	19° 23'	20° 8'	20° 40'	11° 48'	2° 37'
T 4	18 51 52	13° 0'39"	23° 6'	8° 50'	29° 32'	17° 2'	28° 8'	4° 4'	21° 24'	10° 44'	19° 23'	20° 18'8"	20° 36'	11° 55'	2° 41'
W 5	18 55 49	13° 57'53"	4° 10'55"	9° 56'	0° 11'16"	17° 42'	28° 22'	4° 5'	21° 22'	10° 46'	19° 23'	20° 8'	20° 33'	12° 1'	2° 44'
T 6	18 59 46	14° 55'07"	16° 49'	11° 0'	1° 1'	18° 22'	28° 35'	4° 6'	21° 21'	10° 48'	19° 24'	20° 9'	20° 30'	12° 8'	2° 48'
F 7	19 3 42	15° 52'21"	28° 49'	12° 0'	1° 47'	19° 1'	28° 49'	4° 7'	21° 19'	10° 50'	19° 24'	20° 9'	20° 27'	12° 15'	2° 51'
S 8	19 7 39	16° 49'34"	11° 17'0	12° 57'	2° 33'	19° 41'	29° 2'	4° 7'	21° 17'	10° 52'	19° 24'	20° 10'	20° 24'	12° 21'	2° 55'
S 9	19 11 35	17° 46'47"	23° 25'	13° 51'	3° 20'	20° 20'	29° 16'	4° 8'	21° 15'	10° 54'	19° 24'	20° 10'	20° 20'	12° 28'	2° 58'
M10	19 15 32	18° 44'00"	6° 12'6"	14° 42'	4° 8'	20° 59'	29° 29'	4° 9'	21° 13'	10° 56'	19° 25'	20° 10'	20° 17'	12° 35'	3° 2'
T 11	19 19 28	19° 41'13"	19° 8'	15° 30'	4° 57'	21° 38'	29° 43'	4° 9'	21° 11'	10° 58'	19° 25'	20° 10'	20° 14'	12° 41'	3° 5'
W12	19 23 25	20° 38'26"	2° 11'33"	16° 13'	5° 47'	22° 17'	29° 56'	4° 9'	21° 10'	11° 1'	19° 25'	20° 10'	20° 11'	12° 48'	3° 8'
T 13	19 27 21	21° 35'39"	16° 23'	16° 53'	6° 37'	22° 55'	0° 9'	4° 10'	21° 8'	11° 3'	19° 25'	20° 10'	20° 8'	12° 54'	3° 11'
F 14	19 31 18	22° 32'52"	0° 17'29"	17° 29'	7° 28'	23° 34'	0° 22'	4° 10'	21° 6'	11° 5'	19° 25'	20° 10'	20° 5'	13° 1'	3° 15'
S 15	19 35 15	23° 30'05"	15° 15'	18° 1'	8° 19'	24° 12'	0° 36'	4° 10'	21° 4'	11° 7'	19° 25'	20° 11'	20° 1'	13° 8'	3° 18'
S 16	19 39 11	24° 27'18"	0° 13'12"	18° 29'	9° 11'	24° 50'	0° 49'	4° 10'	21° 2'	11° 9'	19° 25'	20° 11'	19° 58'	13° 14'	3° 21'
M17	19 43 8	25° 24'32"	15° 19'	18° 53'	10° 4'	25° 28'	1° 2'	4° 9'	20° 59'	11° 11'	19° 25'	20° 11'	19° 55'	13° 21'	3° 24'
T 18	19 47 4	26° 21'45"	0° 13'30"	19° 12'	10° 57'	26° 6'	1° 15'	4° 9'	20° 57'	11° 13'	19° 25'	20° 11'	19° 52'	13° 28'	3° 27'
W19	19 51 1	27° 18'59"	15° 33'	19° 27'	11° 51'	26° 44'	1° 28'	4° 9'	20° 55'	11° 16'	19° 25'	20° 11'	19° 49'	13° 34'	3° 30'
T 20	19 54 57	28° 16'14"	0° 11'22"	19° 37'	12° 46'	27° 21'	1° 41'	4° 8'	20° 53'	11° 18'	19° 25'	20° 10'	19° 46'	13° 41'	3° 33'
F 21	19 58 54	29° 13'29"	14° 48'	19° 42'	13° 41'	27° 58'	1° 54'	4° 8'	20° 51'	11° 20'	19° 25'	20° 9'	19° 42'	13° 48'	3° 36'
S 22	20 2 51	0° 10'44"	28° 49'	19° 42'	14° 36'	28° 35'	2° 7'	4° 7'	20° 49'	11° 22'	19° 25'	20° 8'	19° 39'	13° 54'	3° 39'
S 23	20 6 47	1° 8'01"	12° 17'22"	19° 37'	15° 32'	29° 12'	2° 20'	4° 6'	20° 47'	11° 24'	19° 25'	20° 7'	19° 36'	14° 1'	3° 42'
M24	20 10 44	2° 5'18"	25° 29'	19° 27'	16° 28'	29° 49'	2° 33'	4° 5'	20° 44'	11° 26'	19° 25'	20° 7'	19° 33'	14° 8'	3° 44'
T 25	20 14 40	3° 2'36"	8° 13'13"	19° 13'	17° 25'	0° 12'25"	2° 46'	4° 4'	20° 42'	11° 29'	19° 25'	20° 7'	19° 30'	14° 14'	3° 47'
W26	20 18 37	3° 59'56"	20° 37'	18° 53'	18° 22'	1° 2'	2° 59'	4° 3'	20° 40'	11° 31'	19° 25'	20° 7'	19° 26'	14° 21'	3° 50'
T 27	20 22 33	4° 57'16"	2° 11'46"	18° 29'	19° 20'	1° 38'	3° 11'	4° 2'	20° 38'	11° 33'	19° 25'	20° 8'	19° 23'	14° 28'	3° 53'
F 28	20 26 30	5° 54'37"	14° 43'	18° 1'	20° 18'	2° 13'	3° 24'	4° 1'	20° 35'	11° 35'	19° 24'	20° 9'	19° 20'	14° 34'	3° 55'
S 29	20 30 26	6° 51'59"	26° 33'	17° 28'	21° 17'	2° 49'	3° 37'	4° 0'	20° 33'	11° 38'	19° 24'	20° 11'	19° 17'	14° 41'	3° 58'
S30	20 34 23	7° 49'22"	8° 20'	16° 52'	22° 16'	3° 24'	3° 49'	3° 58'	20° 31'	11° 40'	19° 24'	20° 12'	19° 14'	14° 47'	4° 0'
M31	20 38 20	8° 46'46"	20° 7'	16° 13'	23° 11'15"	4° 8'0	4° 2'	3° 56'	20° 28'	11° 42'	19° 24'	20° 12'	19° 11'	14° 54'	4° 3'

Delta T = 185.57 sec.

AUGUST 2084

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	20 42 16	9° 14'41'10"	1° 18'57"	15° 18'30"	24° 11'14"	4° 18'34"	4° 14'	3° 18'55"	20° 18'26"	11° 18'44"	19° 18'23"	20° 18'12"	19° 18'7"	15° 18'1"	4° 11'5"
W 2	20 46 13	10° 41'36"	13° 52'	14° 46'	25° 14'	5° 9'	4° 26'	3° 18'53"	20° 18'24"	11° 46'	19° 18'23"	20° 18'10"	19° 4'	15° 7'	4° 7'
T 3	20 50 9	11° 39'02"	25° 55'	14° 1'	26° 15'	5° 43'	4° 39'	3° 51'	20° 21'	11° 49'	19° 23'	20° 8'	19° 1'	15° 14'	4° 10'
F 4	20 54 6	12° 36'29"	8° 17'7"	13° 15'	27° 15'	6° 17'	4° 51'	3° 49'	20° 19'	11° 51'	19° 23'	20° 5'	18° 58'	15° 21'	4° 12'
S 5	20 58 2	13° 33'57"	20° 29'	12° 30'	28° 16'	6° 51'	5° 3'	3° 47'	20° 17'	11° 53'	19° 22'	20° 1'	18° 55'	15° 27'	4° 14'
S 6	21 1 59	14° 31'26"	3° 12'5"	11° 46'	29° 18'	7° 25'	5° 15'	3° 45'	20° 14'	11° 55'	19° 22'	19° 57'	18° 52'	15° 34'	4° 16'
M 7	21 5 55	15° 28'55"	15° 54'	11° 4'	0° 18'19"	7° 58'	5° 27'	3° 43'	20° 12'	11° 58'	19° 21'	19° 54'	18° 48'	15° 41'	4° 18'
T 8	21 9 52	16° 26'25"	28° 59'	10° 24'	1° 21'	8° 31'	5° 39'	3° 41'	20° 10'	12° 0'	19° 21'	19° 52'	18° 45'	15° 47'	4° 20'
W 9	21 13 49	17° 23'56"	12° 11'23"	9° 49'	2° 23'	9° 4'	5° 51'	3° 38'	20° 7'	12° 2'	19° 21'	19° 51'	18° 42'	15° 54'	4° 22'
T 10	21 17 45	18° 21'28"	26° 5'	9° 18'	3° 26'	9° 36'	6° 3'	3° 36'	20° 5'	12° 4'	19° 20'	19° 51'	18° 39'	16° 1'	4° 24'
F 11	21 21 42	19° 19'01"	10° 17'7"	8° 52'	4° 28'	10° 8'	6° 15'	3° 33'	20° 2'	12° 6'	19° 20'	19° 52'	18° 36'	16° 7'	4° 26'
S 12	21 25 38	20° 16'34"	24° 28'	8° 32'	5° 31'	10° 40'	6° 26'	3° 30'	20° 0'	12° 9'	19° 19'	19° 53'	18° 32'	16° 14'	4° 28'
S 13	21 29 35	21° 14'09"	9° 13'7"	8° 17'	6° 35'	11° 12'	6° 38'	3° 28'	19° 58'	12° 11'	19° 19'	19° 55'	18° 29'	16° 20'	4° 29'
M14	21 33 31	22° 11'44"	23° 58'	8° 10'	7° 38'	11° 43'	6° 50'	3° 25'	19° 55'	12° 13'	19° 18'	19° 55'	18° 26'	16° 27'	4° 31'
T 15	21 37 28	23° 9'20"	8° 15'55"	8° 10'9"	8° 42'	12° 14'	7° 1'	3° 22'	19° 53'	12° 15'	19° 18'	19° 54'	18° 23'	16° 34'	4° 33'
W16	21 41 24	24° 6'58"	23° 50'	8° 15'	9° 46'	12° 44'	7° 12'	3° 19'	19° 50'	12° 17'	19° 17'	19° 51'	18° 20'	16° 40'	4° 34'
T 17	21 45 21	25° 4'36"	8° 13'36"	8° 29'	10° 50'	13° 14'	7° 24'	3° 16'	19° 48'	12° 20'	19° 16'	19° 47'	18° 17'	16° 47'	4° 36'
F 18	21 49 18	26° 2'16"	23° 4'	8° 50'	11° 55'	13° 44'	7° 35'	3° 13'	19° 46'	12° 22'	19° 16'	19° 41'	18° 13'	16° 54'	4° 37'
S 19	21 53 14	26° 59'58"	7° 17'8"	9° 18'	12° 59'	14° 14'	7° 46'	3° 10'	19° 43'	12° 24'	19° 15'	19° 36'	18° 10'	17° 0'	4° 38'
S 20	21 57 11	27° 57'40"	20° 47'	9° 54'	14° 4'	14° 43'	7° 57'	3° 6'	19° 41'	12° 26'	19° 15'	19° 31'	18° 7'	17° 7'	4° 40'
M21	22 1 7	28° 55'25"	3° 18'59"	10° 37'	15° 9'	15° 11'	8° 8'	3° 3'	19° 39'	12° 28'	19° 14'	19° 27'	18° 4'	17° 14'	4° 41'
T 22	22 5 4	29° 53'11"	16° 45'	11° 27'	16° 15'	15° 40'	8° 19'	2° 59'	19° 36'	12° 30'	19° 13'	19° 24'	18° 1'	17° 20'	4° 42'
W23	22 9 0	0° 11'50'59"	29° 11'	12° 24'	17° 20'	16° 8'	8° 30'	2° 56'	19° 34'	12° 33'	19° 12'	19° 23'	17° 58'	17° 27'	4° 43'
T 24	22 12 57	1° 48'49"	11° 11'19"	13° 28'	18° 26'	16° 35'	8° 41'	2° 52'	19° 32'	12° 35'	19° 12'	19° 24'	17° 54'	17° 34'	4° 44'
F 25	22 16 53	2° 46'40"	23° 14'	14° 38'	19° 32'	17° 2'	8° 51'	2° 49'	19° 29'	12° 37'	19° 11'	19° 25'	17° 51'	17° 40'	4° 45'
S 26	22 20 50	3° 44'33"	5° 3'	15° 54'	20° 38'	17° 29'	9° 2'	2° 45'	19° 27'	12° 39'	19° 10'	19° 26'	17° 48'	17° 47'	4° 46'
S 27	22 24 47	4° 42'28"	16° 50'	17° 16'	21° 45'	17° 55'	9° 12'	2° 41'	19° 25'	12° 41'	19° 10'	19° 27'	17° 45'	17° 53'	4° 47'
M28	22 28 43	5° 40'24"	18° 39'	18° 43'	22° 51'	18° 21'	9° 22'	2° 37'	19° 22'	12° 43'	19° 9'	19° 27'	17° 42'	18° 0'	4° 48'
T 29	22 32 40	6° 38'22"	10° 12'34"	20° 15'	23° 58'	18° 46'	9° 33'	2° 33'	19° 20'	12° 45'	19° 8'	19° 24'	17° 38'	18° 7'	4° 49'
W30	22 36 36	7° 36'22"	22° 38'	21° 51'	25° 5'	19° 11'	9° 43'	2° 30'	19° 18'	12° 47'	19° 7'	19° 20'	17° 35'	18° 13'	4° 49'
T 31	22 40 33	8° 34'23"	4° 11'53"	23° 13'31"	26° 12'	19° 18'36"	9° 53'	2° 26'	19° 16'	12° 49'	19° 6'	19° 13'	17° 32'	18° 20'	4° 50'

Delta T = 185.74 sec.

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# SWISS EPHEMERIS for the year 2084

SEPTEMBER 2084

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	22 44 29	9 <sup>h</sup> 32'26"	17 <sup>h</sup> 21'	25 <sup>h</sup> 15'	27 <sup>h</sup> 20'	19 <sup>h</sup> 59'	10 <sup>h</sup> 3'	2 <sup>h</sup> R21	19 <sup>h</sup> R13	12 <sup>h</sup> 51'	19 <sup>h</sup> R 6	19 <sup>h</sup> R 5	17 <sup>h</sup> 29'	18 <sup>h</sup> 27'	4 <sup>h</sup> II51
S 2	22 48 26	10 <sup>h</sup> 30'31"	0 <sup>h</sup> 1'	27 <sup>h</sup> 2'	28 <sup>h</sup> 27'	20 <sup>h</sup> 23'	10 <sup>h</sup> 12'	2 <sup>h</sup> Y17	19 <sup>h</sup> ≈11	12 <sup>h</sup> 53'	19 <sup>h</sup> Y 5	18 <sup>h</sup> 36'	17 <sup>h</sup> 26'	18 <sup>h</sup> 33'	4 <sup>h</sup> 51'
S 3	22 52 22	11 <sup>h</sup> 28'37"	12 <sup>h</sup> 54'	28 <sup>h</sup> 51'	29 <sup>h</sup> 35'	20 <sup>h</sup> 46'	10 <sup>h</sup> 22'	2 <sup>h</sup> 13'	19 <sup>h</sup> 9'	12 <sup>h</sup> 55'	19 <sup>h</sup> 4'	18 <sup>h</sup> 47'	17 <sup>h</sup> 23'	18 <sup>h</sup> 40'	4 <sup>h</sup> 52'
M 4	22 56 19	12 <sup>h</sup> 26'44"	26 <sup>h</sup> 0'	0 <sup>h</sup> 42'	0 <sup>h</sup> 43'	21 <sup>h</sup> 8'	10 <sup>h</sup> 32'	2 <sup>h</sup> 9'	19 <sup>h</sup> 7'	12 <sup>h</sup> 57'	19 <sup>h</sup> 3'	18 <sup>h</sup> 38'	17 <sup>h</sup> 19'	18 <sup>h</sup> 47'	4 <sup>h</sup> 52'
T 5	23 0 15	13 <sup>h</sup> 24'54"	9 <sup>h</sup> 19'	2 <sup>h</sup> 35'	1 <sup>h</sup> 50'	21 <sup>h</sup> 30'	10 <sup>h</sup> 41'	2 <sup>h</sup> 5'	19 <sup>h</sup> 5'	12 <sup>h</sup> 59'	19 <sup>h</sup> 2'	18 <sup>h</sup> 32'	17 <sup>h</sup> 16'	18 <sup>h</sup> 53'	4 <sup>h</sup> 52'
W 6	23 4 12	14 <sup>h</sup> 23'04"	22 <sup>h</sup> 49'	4 <sup>h</sup> 29'	2 <sup>h</sup> 59'	21 <sup>h</sup> 51'	10 <sup>h</sup> 50'	2 <sup>h</sup> 0'	19 <sup>h</sup> 3'	13 <sup>h</sup> 1'	19 <sup>h</sup> 1'	18 <sup>h</sup> 28'	17 <sup>h</sup> 13'	19 <sup>h</sup> 0'	4 <sup>h</sup> 52'
T 7	23 8 9	15 <sup>h</sup> 21'16"	6 <sup>h</sup> 32'	6 <sup>h</sup> 23'	4 <sup>h</sup> 7'	22 <sup>h</sup> 12'	11 <sup>h</sup> 0'	1 <sup>h</sup> 56'	19 <sup>h</sup> 1'	13 <sup>h</sup> 3'	19 <sup>h</sup> 0'	18 <sup>h</sup> 26'	17 <sup>h</sup> 10'	19 <sup>h</sup> 7'	4 <sup>h</sup> 53'
F 8	23 12 5	16 <sup>h</sup> 19'30"	20 <sup>h</sup> 28'	8 <sup>h</sup> 19'	5 <sup>h</sup> 15'	22 <sup>h</sup> 32'	11 <sup>h</sup> 9'	1 <sup>h</sup> 52'	18 <sup>h</sup> 59'	13 <sup>h</sup> 5'	18 <sup>h</sup> 59'	18 <sup>h</sup> D25	17 <sup>h</sup> 7'	19 <sup>h</sup> 13'	4 <sup>h</sup> 53'
S 9	23 16 2	17 <sup>h</sup> 17'45"	4 <sup>h</sup> 35'	10 <sup>h</sup> 14'	6 <sup>h</sup> 24'	22 <sup>h</sup> 52'	11 <sup>h</sup> 18'	1 <sup>h</sup> 47'	18 <sup>h</sup> 57'	13 <sup>h</sup> 7'	18 <sup>h</sup> 58'	18 <sup>h</sup> 26'	17 <sup>h</sup> 3'	19 <sup>h</sup> 20'	4 <sup>h</sup> R53
S 10	23 19 58	18 <sup>h</sup> 16'02"	18 <sup>h</sup> 55'	12 <sup>h</sup> 10'	7 <sup>h</sup> 32'	23 <sup>h</sup> 11'	11 <sup>h</sup> 27'	1 <sup>h</sup> 43'	18 <sup>h</sup> 55'	13 <sup>h</sup> 9'	18 <sup>h</sup> 57'	18 <sup>h</sup> R26	17 <sup>h</sup> 0'	19 <sup>h</sup> 27'	4 <sup>h</sup> 53'
M 11	23 23 55	19 <sup>h</sup> 14'20"	3 <sup>h</sup> ≈23'	14 <sup>h</sup> 5'	8 <sup>h</sup> 41'	23 <sup>h</sup> 29'	11 <sup>h</sup> 35'	1 <sup>h</sup> 38'	18 <sup>h</sup> 53'	13 <sup>h</sup> 11'	18 <sup>h</sup> 56'	18 <sup>h</sup> 26'	16 <sup>h</sup> 57'	19 <sup>h</sup> 33'	4 <sup>h</sup> 53'
T 12	23 27 51	20 <sup>h</sup> 12'39"	17 <sup>h</sup> 57'	16 <sup>h</sup> 0'	9 <sup>h</sup> 50'	23 <sup>h</sup> 47'	11 <sup>h</sup> 44'	1 <sup>h</sup> 34'	18 <sup>h</sup> 51'	13 <sup>h</sup> 13'	18 <sup>h</sup> 55'	18 <sup>h</sup> 22'	16 <sup>h</sup> 54'	19 <sup>h</sup> 40'	4 <sup>h</sup> 52'
W 13	23 31 48	21 <sup>h</sup> 11'00"	2 <sup>h</sup> 32'	17 <sup>h</sup> 54'	10 <sup>h</sup> 59'	24 <sup>h</sup> 4'	11 <sup>h</sup> 52'	1 <sup>h</sup> 29'	18 <sup>h</sup> 49'	13 <sup>h</sup> 15'	18 <sup>h</sup> 54'	18 <sup>h</sup> 17'	16 <sup>h</sup> 51'	19 <sup>h</sup> 46'	4 <sup>h</sup> 52'
T 14	23 35 44	22 <sup>h</sup> 9'23"	17 <sup>h</sup> 0'	19 <sup>h</sup> 48'	12 <sup>h</sup> 9'	24 <sup>h</sup> 20'	12 <sup>h</sup> 1'	1 <sup>h</sup> 25'	18 <sup>h</sup> 47'	13 <sup>h</sup> 16'	18 <sup>h</sup> 53'	18 <sup>h</sup> 9'	16 <sup>h</sup> 48'	19 <sup>h</sup> 53'	4 <sup>h</sup> 52'
F 15	23 39 41	23 <sup>h</sup> 7'47"	1 <sup>h</sup> Y16	21 <sup>h</sup> 41'	13 <sup>h</sup> 18'	24 <sup>h</sup> 36'	12 <sup>h</sup> 9'	1 <sup>h</sup> 20'	18 <sup>h</sup> 45'	13 <sup>h</sup> 18'	18 <sup>h</sup> 52'	17 <sup>h</sup> 59'	16 <sup>h</sup> 44'	20 <sup>h</sup> 0'	4 <sup>h</sup> 52'
S 16	23 43 38	24 <sup>h</sup> 6'14"	15 <sup>h</sup> 14'	23 <sup>h</sup> 33'	14 <sup>h</sup> 28'	24 <sup>h</sup> 52'	12 <sup>h</sup> 17'	1 <sup>h</sup> 16'	18 <sup>h</sup> 43'	13 <sup>h</sup> 20'	18 <sup>h</sup> 51'	17 <sup>h</sup> 48'	16 <sup>h</sup> 41'	20 <sup>h</sup> 6'	4 <sup>h</sup> 51'
S 17	23 47 34	25 <sup>h</sup> 4'42"	28 <sup>h</sup> 50'	25 <sup>h</sup> 25'	15 <sup>h</sup> 37'	25 <sup>h</sup> 6'	12 <sup>h</sup> 25'	1 <sup>h</sup> 11'	18 <sup>h</sup> 41'	13 <sup>h</sup> 22'	18 <sup>h</sup> 50'	17 <sup>h</sup> 38'	16 <sup>h</sup> 38'	20 <sup>h</sup> 13'	4 <sup>h</sup> 51'
M 18	23 51 31	26 <sup>h</sup> 3'13"	12 <sup>h</sup> 8' 1'	27 <sup>h</sup> 15'	16 <sup>h</sup> 47'	25 <sup>h</sup> 20'	12 <sup>h</sup> 33'	1 <sup>h</sup> 6'	18 <sup>h</sup> 40'	13 <sup>h</sup> 24'	18 <sup>h</sup> 49'	17 <sup>h</sup> 29'	16 <sup>h</sup> 35'	20 <sup>h</sup> 20'	4 <sup>h</sup> 50'
T 19	23 55 27	27 <sup>h</sup> 1'46"	24 <sup>h</sup> 48'	29 <sup>h</sup> 5'	17 <sup>h</sup> 57'	25 <sup>h</sup> 33'	12 <sup>h</sup> 41'	1 <sup>h</sup> 2'	18 <sup>h</sup> 38'	13 <sup>h</sup> 25'	18 <sup>h</sup> 48'	17 <sup>h</sup> 23'	16 <sup>h</sup> 32'	20 <sup>h</sup> 26'	4 <sup>h</sup> 50'
W 20	23 59 24	28 <sup>h</sup> 0'21"	7 <sup>h</sup> II15	0 <sup>h</sup> ≈53'	19 <sup>h</sup> 7'	25 <sup>h</sup> 46'	12 <sup>h</sup> 48'	0 <sup>h</sup> 57'	18 <sup>h</sup> 36'	13 <sup>h</sup> 27'	18 <sup>h</sup> 47'	17 <sup>h</sup> 19'	16 <sup>h</sup> 29'	20 <sup>h</sup> 33'	4 <sup>h</sup> 49'
T 21	0 3 20	28 <sup>h</sup> 58'58"	19 <sup>h</sup> 23'	2 <sup>h</sup> 40'	20 <sup>h</sup> 17'	25 <sup>h</sup> 57'	12 <sup>h</sup> 56'	0 <sup>h</sup> 52'	18 <sup>h</sup> 35'	13 <sup>h</sup> 29'	18 <sup>h</sup> 46'	17 <sup>h</sup> 17'	16 <sup>h</sup> 25'	20 <sup>h</sup> 40'	4 <sup>h</sup> 48'
F 22	0 7 17	29 <sup>h</sup> 57'37"	1 <sup>h</sup> ≈20'	4 <sup>h</sup> 27'	21 <sup>h</sup> 28'	26 <sup>h</sup> 8'	13 <sup>h</sup> 3'	0 <sup>h</sup> 48'	18 <sup>h</sup> 33'	13 <sup>h</sup> 30'	18 <sup>h</sup> 45'	17 <sup>h</sup> D16	16 <sup>h</sup> 22'	20 <sup>h</sup> 46'	4 <sup>h</sup> 47'
S 23	0 11 13	0 <sup>h</sup> ≈56'18"	13 <sup>h</sup> 9'	6 <sup>h</sup> 12'	22 <sup>h</sup> 38'	26 <sup>h</sup> 18'	13 <sup>h</sup> 10'	0 <sup>h</sup> 43'	18 <sup>h</sup> 31'	13 <sup>h</sup> 32'	18 <sup>h</sup> 44'	17 <sup>h</sup> R16	16 <sup>h</sup> 19'	20 <sup>h</sup> 53'	4 <sup>h</sup> 46'
S 24	0 15 10	1 <sup>h</sup> 55'02"	24 <sup>h</sup> 57'	7 <sup>h</sup> 57'	23 <sup>h</sup> 49'	26 <sup>h</sup> 28'	13 <sup>h</sup> 17'	0 <sup>h</sup> 38'	18 <sup>h</sup> 30'	13 <sup>h</sup> 34'	18 <sup>h</sup> 43'	17 <sup>h</sup> 16'	16 <sup>h</sup> 16'	21 <sup>h</sup> 0'	4 <sup>h</sup> 46'
M 25	0 19 7	2 <sup>h</sup> 53'48"	6 <sup>h</sup> ≈48'	9 <sup>h</sup> 40'	24 <sup>h</sup> 59'	26 <sup>h</sup> 36'	13 <sup>h</sup> 24'	0 <sup>h</sup> 34'	18 <sup>h</sup> 28'	13 <sup>h</sup> 35'	18 <sup>h</sup> 42'	17 <sup>h</sup> 15'	16 <sup>h</sup> 13'	21 <sup>h</sup> 6'	4 <sup>h</sup> 45'
T 26	0 23 3	3 <sup>h</sup> 52'36"	18 <sup>h</sup> 48'	11 <sup>h</sup> 23'	26 <sup>h</sup> 10'	26 <sup>h</sup> 44'	13 <sup>h</sup> 31'	0 <sup>h</sup> 29'	18 <sup>h</sup> 27'	13 <sup>h</sup> 37'	18 <sup>h</sup> 41'	17 <sup>h</sup> 11'	16 <sup>h</sup> 9'	21 <sup>h</sup> 13'	4 <sup>h</sup> 44'
W 27	0 27 0	4 <sup>h</sup> 51'26"	1 <sup>h</sup> ≈0'	13 <sup>h</sup> 5'	27 <sup>h</sup> 21'	26 <sup>h</sup> 51'	13 <sup>h</sup> 37'	0 <sup>h</sup> 25'	18 <sup>h</sup> 25'	13 <sup>h</sup> 38'	18 <sup>h</sup> 39'	17 <sup>h</sup> 4'	16 <sup>h</sup> 6'	21 <sup>h</sup> 19'	4 <sup>h</sup> 42'
T 28	0 30 56	5 <sup>h</sup> 50'19"	13 <sup>h</sup> 27'	14 <sup>h</sup> 45'	28 <sup>h</sup> 32'	26 <sup>h</sup> 57'	13 <sup>h</sup> 44'	0 <sup>h</sup> 20'	18 <sup>h</sup> 24'	13 <sup>h</sup> 40'	18 <sup>h</sup> 38'	16 <sup>h</sup> 55'	16 <sup>h</sup> 3'	21 <sup>h</sup> 26'	4 <sup>h</sup> 41'
F 29	0 34 53	6 <sup>h</sup> 49'13"	26 <sup>h</sup> 11'	16 <sup>h</sup> 25'	29 <sup>h</sup> 43'	27 <sup>h</sup> 3'	13 <sup>h</sup> 50'	0 <sup>h</sup> 15'	18 <sup>h</sup> 23'	13 <sup>h</sup> 41'	18 <sup>h</sup> 37'	16 <sup>h</sup> 43'	16 <sup>h</sup> 0'	21 <sup>h</sup> 33'	4 <sup>h</sup> 40'
S 30	0 38 49	7 <sup>h</sup> ≈48'09"	9 <sup>h</sup> ≈11'	18 <sup>h</sup> ≈4'	0 <sup>h</sup> ≈54'	27 <sup>h</sup> ≈7'	13 <sup>h</sup> ≈56'	0 <sup>h</sup> Y11	18 <sup>h</sup> ≈21	13 <sup>h</sup> ≈43	18 <sup>h</sup> Y36	16 <sup>h</sup> ≈31	15 <sup>h</sup> ≈57	21 <sup>h</sup> ≈39	4 <sup>h</sup> II39

Delta T = 185.90 sec.

OCTOBER 2084

00:00 UT

Day	Sid.t	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	0 42 46	8♂47'08	22♂27	19♂42	2♂ 6	27♂11	14♂ 2	0°R 6	18°R20	13♂44	18°R35	16°R18	15♂54	21♂46	4°R37
M 2	0 46 42	9°46'08	5♂56	21°19	3°17	27°13	14° 8	0°Y 1	18♂19	13°46	18°Y34	16♂ 6	15°50	21°53	4♂36
T 3	0 50 39	10°45'11	19°37	22°55	4°29	27°15	14°13	29°K57	18°18	13°47	18°33	15°56	15°47	21°59	4°34
W 4	0 54 35	11°44'15	3♂26	24°31	5°40	27°16	14°19	29°52	18°17	13°49	18°32	15°50	15°44	22° 6	4°33
T 5	0 58 32	12°43'21	17°21	26° 5	6°52	27°R16	14°24	29°48	18°16	13°50	18°30	15°46	15°41	22°13	4°31
F 6	1 2 29	13°42'29	1♂21	27°39	8° 4	27°15	14°29	29°43	18°15	13°51	18°29	15°44	15°38	22°19	4°30
S 7	1 6 25	14°41'39	15°24	29°12	9°16	27°14	14°34	29°39	18°14	13°52	18°28	15°44	15°35	22°26	4°28
S 8	1 10 22	15°40'50	29°32	0♂44	10°28	27°11	14°39	29°35	18°13	13°54	18°27	15°44	15°31	22°33	4°26
M 9	1 14 18	16°40'03	13♂41	2°16	11°40	27° 8	14°43	29°30	18°12	13°55	18°26	15°42	15°28	22°39	4°24
T 10	1 18 15	17°39'18	27°52	3°46	12°52	27° 3	14°48	29°26	18°11	13°56	18°25	15°38	15°25	22°46	4°22
W 11	1 22 11	18°38'34	12♂ 0	5°16	14° 4	26°58	14°52	29°22	18°10	13°57	18°23	15°31	15°22	22°52	4°20
T 12	1 26 8	19°37'52	26° 3	6°45	15°17	26°52	14°56	29°17	18° 9	13°59	18°22	15°22	15°19	22°59	4°18
F 13	1 30 4	20°37'12	9°Y56	8°14	16°29	26°45	15° 0	29°13	18° 8	14° 0	18°21	15°10	15°15	23° 6	4°16
S 14	1 34 1	21°36'35	23°36	9°41	17°42	26°37	15° 4	29° 9	18° 8	14° 1	18°20	14°58	15°12	23°12	4°14
S 15	1 37 58	22°35'59	6♂57	11° 8	18°54	26°28	15° 7	29° 5	18° 7	14° 2	18°19	14°45	15° 9	23°19	4°12
M 16	1 41 54	23°35'25	20° 0	12°34	20° 7	26°19	15°10	29° 1	18° 7	14° 3	18°18	14°34	15° 6	23°26	4°10
T 17	1 45 51	24°34'54	2♂42	13°59	21°20	26° 8	15°14	28°57	18° 6	14° 4	18°16	14°26	15° 3	23°32	4° 8
W 18	1 49 47	25°34'25	15° 6	15°24	22°32	25°57	15°16	28°53	18° 6	14° 5	18°15	14°20	15° 0	23°39	4° 5
T 19	1 53 44	26°33'58	27°14	16°47	23°45	25°45	15°19	28°49	18° 5	14° 6	18°14	14°17	14°56	23°46	4° 3
F 20	1 57 40	27°33'33	9♂10	18° 9	24°58	25°32	15°22	28°46	18° 5	14° 7	18°13	14°D15	14°53	23°52	4° 1
S 21	2 1 37	28°33'10	20°59	19°31	26°11	25°18	15°24	28°42	18° 4	14° 8	18°12	14°15	14°50	23°59	3°58
S 22	2 5 33	29°32'50	2♂47	20°51	27°25	25° 4	15°26	28°38	18° 4	14° 8	18°11	14°R16	14°47	24° 6	3°56
M 23	2 9 30	0♂32'32	14°39	22°11	28°38	24°49	15°28	28°35	18° 4	14° 9	18°10	14°15	14°44	24°12	3°53
T 24	2 13 27	1°32'16	26°41	23°29	29°51	24°33	15°30	28°31	18° 4	14°10	18° 9	14°12	14°40	24°19	3°51
W 25	2 17 23	2°32'03	8♂57	24°46	1♂ 4	24°16	15°32	28°28	18° 4	14°11	18° 7	14° 7	14°37	24°26	3°48
T 26	2 21 20	3°31'51	21°31	26° 2	2°18	23°59	15°33	28°24	18° 4	14°11	18° 6	13°59	14°34	24°32	3°45
F 27	2 25 16	4°31'42	4♂26	27°16	3°31	23°41	15°35	28°21	18°D 3	14°12	18° 5	13°49	14°31	24°39	3°43
S 28	2 29 13	5°31'35	17°42	28°28	4°45	23°23	15°36	28°18	18° 4	14°13	18° 4	13°37	14°28	24°45	3°40
S 29	2 33 9	6°31'30	1♂18	29°39	5°58	23° 4	15°36	28°14	18° 4	14°13	18° 3	13°26	14°25	24°52	3°37
M 30	2 37 6	7°31'26	15°12	0♂48	7°12	22°45	15°37	28°11	18° 4	14°14	18° 2	13°15	14°21	24°59	3°34
T 31	2 41 2	8♂31'25	29♂19	1♂55	8♂26	22♂25	15♂37	28♂ 8	18♂ 4	14♂14	18°Y 1	13♂ 6	14♂18	25♂ 5	3♂32

# SWISS EPHEMERIS for the year 2084

NOVEMBER 2084

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	2 44 59	9♉31'26	13♊34	2♊59	9♉40	22°R 4	15♉38	28°R 6	18♉4	14♉15	18°R 0	13°R 0	14♊15	25♊12	3°R29
T 2	2 48 56	10°31'28	27°52	4° 1	10°53	21♊44	15°R38	28♊3	18° 4	14°15	17°59	12♊57	14°12	25°19	3♊26
F 3	2 52 52	11°31'32	12♊9	5° 0	12° 7	21°23	15°38	28° 0	18° 5	14°16	17°58	12°D56	14° 9	25°25	3°23
S 4	2 56 49	12°31'38	26°22	5°56	13°21	21° 2	15°37	27°57	18° 5	14°16	17°57	12°56	14° 6	25°32	3°20
S 5	3 0 45	13°31'45	10♊31	6°47	14°35	20°41	15°37	27°55	18° 6	14°17	17°56	12°R57	14° 2	25°39	3°17
M 6	3 4 42	14°31'53	24°32	7°35	15°49	20°19	15°36	27°52	18° 6	14°17	17°55	12°57	13°59	25°45	3°14
T 7	3 8 38	15°32'03	8♊27	8°18	17° 3	19°58	15°35	27°50	18° 7	14°17	17°54	12°54	13°56	25°52	3°11
W 8	3 12 35	16°32'14	22°13	8°57	18°18	19°36	15°34	27°48	18° 7	14°18	17°53	12°50	13°53	25°59	3° 8
T 9	3 16 31	17°32'27	5♊51	9°29	19°32	19°15	15°32	27°45	18° 8	14°18	17°52	12°43	13°50	26° 5	3° 5
F 10	3 20 28	18°32'42	19°18	9°55	20°46	18°53	15°31	27°43	18° 8	14°18	17°51	12°34	13°46	26°12	3° 1
S 11	3 24 24	19°32'58	2♊32	10°14	22° 0	18°32	15°29	27°41	18° 9	14°18	17°50	12°24	13°43	26°19	2°58
S 12	3 28 21	20°33'16	15°33	10°25	23°14	18°11	15°27	27°40	18°10	14°18	17°49	12°15	13°40	26°25	2°55
M13	3 32 18	21°33'35	28°19	10°R28	24°29	17°50	15°25	27°38	18°11	14°19	17°48	12° 6	13°37	26°32	2°52
T 14	3 36 14	22°33'56	10♊49	10°22	25°43	17°30	15°23	27°36	18°12	14°19	17°47	12° 0	13°34	26°38	2°49
W15	3 40 11	23°34'19	23° 5	10° 6	26°58	17° 9	15°20	27°34	18°13	14°19	17°46	11°55	13°31	26°45	2°46
T 16	3 44 7	24°34'44	5♊9	9°40	28°12	16°49	15°17	27°33	18°14	14°R19	17°45	11°53	13°27	26°52	2°42
F 17	3 48 4	25°35'11	17° 3	9° 4	29°27	16°30	15°14	27°32	18°15	14°19	17°44	11°D53	13°24	26°58	2°39
S 18	3 52 0	26°35'39	28°52	8°18	0♉41	16°11	15°11	27°30	18°16	14°19	17°43	11°54	13°21	27° 5	2°36
S 19	3 55 57	27°36'09	10♊39	7°21	1°56	15°52	15° 8	27°29	18°17	14°18	17°42	11°56	13°18	27°12	2°33
M20	3 59 54	28°36'41	22°31	6°16	3°10	15°34	15° 4	27°28	18°18	14°18	17°42	11°57	13°15	27°18	2°29
T 21	4 3 50	29°37'14	4♊31	5° 4	4°25	15°16	15° 1	27°27	18°19	14°18	17°41	11°R57	13°12	27°25	2°26
W22	4 7 47	0♊37'49	16°46	3°46	5°40	14°59	14°57	27°26	18°21	14°18	17°40	11°56	13° 8	27°32	2°23
T 23	4 11 43	1°38'26	29°20	2°24	6°54	14°43	14°53	27°25	18°22	14°18	17°39	11°52	13° 5	27°38	2°20
F 24	4 15 40	2°39'05	12♊16	1° 3	8° 9	14°27	14°48	27°25	18°23	14°17	17°38	11°47	13° 2	27°45	2°16
S 25	4 19 36	3°39'45	25°38	29♉43	9°24	14°12	14°44	27°24	18°25	14°17	17°38	11°41	12°59	27°52	2°13
S 26	4 23 33	4°40'27	9♉24	28°29	10°39	13°58	14°39	27°24	18°26	14°17	17°37	11°35	12°56	27°58	2°10
M27	4 27 29	5°41'11	23°34	27°21	11°54	13°44	14°35	27°23	18°28	14°16	17°36	11°29	12°52	28° 5	2° 6
T 28	4 31 26	6°41'56	8♊2	26°23	13° 9	13°31	14°30	27°23	18°29	14°16	17°35	11°24	12°49	28°12	2° 3
W29	4 35 23	7°42'42	22°42	25°35	14°23	13°19	14°24	27°23	18°31	14°16	17°35	11°21	12°46	28°18	2° 0
T 30	4 39 19	8♊43'30	7♊27	24♉59	15♉38	13♊8	14♊19	27°D23	18♊33	14♉15	17°34	11°D20	12♊43	28♊25	1♉57

Delta T = 186.23 sec.

DECEMBER 2084

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	4 43 16	9♊44'18	22♊11	24°R34	16♉53	12°R58	14°R14	27°23	18♊34	14°R15	17°R33	11♊21	12♊40	28♊32	1°R53
S 2	4 47 12	10°45'08	6♊46	24♉20	18° 8	12°R48	14♊8	27°23	18°36	14♉14	17°33	11°22	12°37	28°38	1♉50
S 3	4 51 9	11°45'58	21° 9	24°D18	19°23	12°39	14° 2	27°24	18°38	14°14	17°32	11°23	12°33	28°45	1°47
M 4	4 55 5	12°46'49	5♊17	24°26	20°38	12°31	13°56	27°24	18°40	14°13	17°32	11°24	12°30	28°51	1°44
T 5	4 59 2	13°47'41	19° 9	24°43	21°53	12°24	13°50	27°24	18°42	14°12	17°31	11°R25	12°27	28°58	1°40
W 6	5 2 58	14°48'34	2°44	25°10	23° 8	12°17	13°44	27°25	18°43	14°12	17°30	11°23	12°24	29° 5	1°37
T 7	5 6 55	15°49'27	16° 5	25°44	24°23	12°12	13°38	27°26	18°45	14°11	17°30	11°21	12°21	29°11	1°34
F 8	5 10 52	16°50'21	29°10	26°25	25°38	12° 7	13°31	27°27	18°47	14°10	17°29	11°17	12°18	29°18	1°31
S 9	5 14 48	17°51'16	12♊2	27°13	26°54	12° 3	13°25	27°28	18°49	14°10	17°29	11°14	12°14	29°25	1°28
S 10	5 18 45	18°52'12	24°40	28° 6	28° 9	12° 0	13°18	27°29	18°52	14° 9	17°28	11°10	12°11	29°31	1°25
M11	5 22 41	19°53'09	7♊7	29° 4	29°24	11°58	13°11	27°30	18°54	14° 8	17°28	11° 6	12° 8	29°38	1°22
T 12	5 26 38	20°54'06	19°22	0♊7	0♊39	11°57	13° 4	27°31	18°56	14° 7	17°28	11° 4	12° 5	29°45	1°19
W13	5 30 34	21°55'05	1♊28	1°12	1°54	11°D56	12°57	27°33	18°58	14° 6	17°27	11° 3	12° 2	29°51	1°16
T 14	5 34 31	22°56'04	13°25	2°21	3° 9	11°56	12°50	27°34	19° 0	14° 5	17°27	11°D 2	11°58	29°58	1°13
F 15	5 38 28	23°57'04	25°16	3°33	4°24	11°57	12°43	27°36	19° 3	14° 4	17°26	11° 3	11°55	0♉5	1°10
S 16	5 42 24	24°58'05	7♉4	4°47	5°40	11°59	12°35	27°37	19° 5	14° 3	17°26	11° 4	11°52	0°11	1° 7
S 17	5 46 21	25°59'06	18°51	6° 4	6°55	12° 1	12°28	27°39	19° 7	14° 2	17°26	11° 6	11°49	0°18	1° 4
M18	5 50 17	27° 0'09	0♊43	7°22	8°10	12° 4	12°20	27°41	19°10	14° 1	17°25	11° 7	11°46	0°25	1° 1
T 19	5 54 14	28° 1'12	12°42	8°42	9°25	12° 8	12°13	27°43	19°12	14° 0	17°25	11° 8	11°43	0°31	0°58
W20	5 58 10	29° 2'17	24°54	10° 3	10°40	12°13	12° 5	27°45	19°15	13°59	17°25	11°R 9	11°39	0°38	0°55
T 21	6 2 7	0♊32'22	7♊23	11°26	11°56	12°18	11°57	27°47	19°17	13°58	17°25	11° 9	11°36	0°45	0°52
F 22	6 6 3	1° 4'28	20°14	12°50	13°11	12°24	11°49	27°50	19°20	13°57	17°24	11° 8	11°33	0°51	0°50
S 23	6 10 0	2° 5'35	3♉30	14°14	14°26	12°31	11°41	27°52	19°22	13°56	17°24	11° 7	11°30	0°58	0°47
S 24	6 13 57	3° 6'42	17°13	15°40	15°42	12°39	11°33	27°55	19°25	13°55	17°24	11° 6	11°27	1° 5	0°44
M25	6 17 53	4° 7'50	1♊23	17° 6	16°57	12°47	11°25	27°57	19°28	13°54	17°24	11° 5	11°24	1°11	0°42
T 26	6 21 50	5° 8'59	15°58	18°33	18°12	12°56	11°17	28° 0	19°30	13°52	17°24	11° 4	11°20	1°18	0°39
W27	6 25 46	6°10'09	0♊51	20° 0	19°28	13° 5	11° 9	28° 3	19°33	13°51	17°24	11° 4	11°17	1°24	0°37
T 28	6 29 43	7°11'18	15°56	21°28	20°43	13°16	11° 1	28° 6	19°36	13°50	17°24	11°D 4	11°14	1°31	0°34
F 29	6 33 39	8°12'28	1♊2	22°57	21°58	13°26	10°53	28° 9	19°39	13°49	17°24	11° 4	11°11	1°38	0°32
S 30	6 37 36	9°13'38	16° 2	24°26	23°14	13°38	10°45	28°12	19°42	13°47	17°24	11° 4	11° 8	1°44	0°29
S 31	6 41 33	10♊14'48	0♊48	25♊56	24♊29	13♊50	10♊37	28♊15	19♊44	13♉46	17°D23	11♊3	11♊4	1♉51	0♉27

Delta T = 186.40 sec.

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