

SWISS EPHEMERIS for the year 1698

JANUARY 1698GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	6 44 23	11 ³ 12'59	4 ^{mp} 45	10 ³ 51	15 ³ 36	5 [♁] 19	20 ^{ml} 16	7 [♁] 37	29 [°] R21	28 [°] K24	7 [°] R33	26 [°] R32	26 [♁] 0	5 ^{ml} 8	25 [°] R57
T 2	6 48 20	12 [°] 14'09	17 [°] 19	12 [°] 28	16 [°] 51	5 [°] 42	20 [°] 26	7 [°] 44	29 ^{II} 18	28 [°] 25	7 [°] Ω31	26 [♁] 27	25 [°] 57	5 [°] 15	25 [°] Ω55
F 3	6 52 17	13 [°] 15'18	29 [°] 34	14 [°] 6	18 [°] 6	6 [°] 5	20 [°] 36	7 [°] 50	29 [°] 16	28 [°] 25	7 [°] 30	26 [°] 24	25 [°] 54	5 [°] 22	25 [°] 52
S 4	6 56 13	14 [°] 16'28	11 [♁] 34	15 [°] 44	19 [°] 20	6 [°] 28	20 [°] 47	7 [°] 57	29 [°] 13	28 [°] 26	7 [°] 29	26 [°] D24	25 [°] 50	5 [°] 28	25 [°] 49
S 5	7 0 10	15 [°] 17'37	23 [°] 24	17 [°] 23	20 [°] 35	6 [°] 50	20 [°] 57	8 [°] 4	29 [°] 11	28 [°] 27	7 [°] 28	26 [°] R24	25 [°] 47	5 [°] 35	25 [°] 47
M 6	7 4 6	16 [°] 18'46	5 ^{ml} 11	19 [°] 2	21 [°] 50	7 [°] 12	21 [°] 7	8 [°] 11	29 [°] 8	28 [°] 28	7 [°] 26	26 [°] 23	25 [°] 44	5 [°] 42	25 [°] 44
T 7	7 8 3	17 [°] 19'56	17 [°] 0	20 [°] 42	23 [°] 5	7 [°] 34	21 [°] 17	8 [°] 18	29 [°] 6	28 [°] 29	7 [°] 25	26 [°] 22	25 [°] 41	5 [°] 48	25 [°] 41
W 8	7 11 59	18 [°] 21'05	28 [°] 55	22 [°] 22	24 [°] 20	7 [°] 55	21 [°] 27	8 [°] 24	29 [°] 4	28 [°] 30	7 [°] 24	26 [°] 18	25 [°] 38	5 [°] 55	25 [°] 38
T 9	7 15 56	19 [°] 22'14	11 [♁] 2	24 [°] 2	25 [°] 35	8 [°] 16	21 [°] 36	8 [°] 31	29 [°] 1	28 [°] 31	7 [°] 23	26 [°] 11	25 [°] 34	6 [°] 1	25 [°] 35
F 10	7 19 52	20 [°] 23'23	23 [°] 23	25 [°] 43	26 [°] 50	8 [°] 37	21 [°] 46	8 [°] 38	28 [°] 59	28 [°] 32	7 [°] 21	26 [°] 1	25 [°] 31	6 [°] 8	25 [°] 31
S 11	7 23 49	21 [°] 24'32	6 ³ 0	27 [°] 24	28 [°] 5	8 [°] 57	21 [°] 56	8 [°] 45	28 [°] 57	28 [°] 33	7 [°] 20	25 [°] 49	25 [°] 28	6 [°] 15	25 [°] 28
S 12	7 27 46	22 [°] 25'40	18 [°] 54	29 [°] 6	29 [°] 20	9 [°] 17	22 [°] 5	8 [°] 52	28 [°] 54	28 [°] 35	7 [°] 19	25 [°] 36	25 [°] 25	6 [°] 21	25 [°] 25
M13	7 31 42	23 [°] 26'48	2 [♁] 4	0 [♁] 48	0 ³ 34	9 [°] 36	22 [°] 14	8 [°] 59	28 [°] 52	28 [°] 36	7 [°] 17	25 [°] 22	25 [°] 22	6 [°] 28	25 [°] 21
T 14	7 35 39	24 [°] 27'54	15 [°] 27	2 [°] 30	1 [°] 49	9 [°] 56	22 [°] 24	9 [°] 6	28 [°] 50	28 [°] 37	7 [°] 16	25 [°] 9	25 [°] 19	6 [°] 35	25 [°] 18
W15	7 39 35	25 [°] 29'01	29 [°] 2	4 [°] 13	3 [°] 4	10 [°] 14	22 [°] 33	9 [°] 13	28 [°] 47	28 [°] 38	7 [°] 14	24 [°] 58	25 [°] 15	6 [°] 41	25 [°] 14
T 16	7 43 32	26 [°] 30'06	12 [♁] 46	5 [°] 55	4 [°] 19	10 [°] 33	22 [°] 42	9 [°] 20	28 [°] 45	28 [°] 39	7 [°] 13	24 [°] 50	25 [°] 12	6 [°] 48	25 [°] 10
F 17	7 47 28	27 [°] 31'10	26 [°] 37	7 [°] 38	5 [°] 34	10 [°] 51	22 [°] 51	9 [°] 27	28 [°] 43	28 [°] 41	7 [°] 12	24 [°] 46	25 [°] 9	6 [°] 55	25 [°] 6
S 18	7 51 25	28 [°] 32'13	10 [♁] 33	9 [°] 21	6 [°] 49	11 [°] 8	22 [°] 59	9 [°] 34	28 [°] 41	28 [°] 42	7 [°] 10	24 [°] 44	25 [°] 6	7 [°] 1	25 [°] 3
S 19	7 55 21	29 [°] 33'16	24 [°] 34	11 [°] 3	8 [°] 4	11 [°] 25	23 [°] 8	9 [°] 42	28 [°] 39	28 [°] 43	7 [°] 9	24 [°] 43	25 [°] 3	7 [°] 8	24 [°] 59
M20	7 59 18	0 [♁] 34'17	8 ³ 38	12 [°] 46	9 [°] 19	11 [°] 42	23 [°] 16	9 [°] 49	28 [°] 37	28 [°] 45	7 [°] 8	24 [°] 43	25 [°] 0	7 [°] 15	24 [°] 55
T 21	8 3 15	1 [°] 35'17	22 [°] 46	14 [°] 27	10 [°] 34	11 [°] 58	23 [°] 25	9 [°] 56	28 [°] 35	28 [°] 46	7 [°] 6	24 [°] 42	24 [°] 56	7 [°] 21	24 [°] 51
W22	8 7 11	2 [°] 36'16	6 ^{II} 56	16 [°] 8	11 [°] 49	12 [°] 14	23 [°] 33	10 [°] 3	28 [°] 33	28 [°] 48	7 [°] 5	24 [°] 38	24 [°] 53	7 [°] 28	24 [°] 47
T 23	8 11 8	3 [°] 37'13	21 [°] 6	17 [°] 48	13 [°] 4	12 [°] 29	23 [°] 41	10 [°] 10	28 [°] 31	28 [°] 49	7 [°] 3	24 [°] 32	24 [°] 50	7 [°] 35	24 [°] 42
F 24	8 15 4	4 [°] 38'10	5 ³ 12	19 [°] 27	14 [°] 19	12 [°] 44	23 [°] 49	10 [°] 17	28 [°] 29	28 [°] 51	7 [°] 2	24 [°] 23	24 [°] 47	7 [°] 41	24 [°] 38
S 25	8 19 1	5 [°] 39'06	19 [°] 11	21 [°] 4	15 [°] 34	12 [°] 58	23 [°] 57	10 [°] 24	28 [°] 27	28 [°] 52	7 [°] 1	24 [°] 11	24 [°] 44	7 [°] 48	24 [°] 34
S 26	8 22 57	6 [°] 40'00	2 ^Ω 58	22 [°] 39	16 [°] 49	13 [°] 12	24 [°] 5	10 [°] 32	28 [°] 25	28 [°] 54	6 [°] 59	23 [°] 59	24 [°] 40	7 [°] 55	24 [°] 30
M27	8 26 54	7 [°] 40'53	16 [°] 28	24 [°] 11	18 [°] 3	13 [°] 25	24 [°] 12	10 [°] 39	28 [°] 23	28 [°] 55	6 [°] 58	23 [°] 46	24 [°] 37	8 [°] 1	24 [°] 25
T 28	8 30 50	8 [°] 41'45	29 [°] 40	25 [°] 41	19 [°] 18	13 [°] 38	24 [°] 20	10 [°] 46	28 [°] 21	28 [°] 57	6 [°] 56	23 [°] 35	24 [°] 34	8 [°] 8	24 [°] 21
W29	8 34 47	9 [°] 42'36	12 ^{mp} 31	27 [°] 6	20 [°] 33	13 [°] 51	24 [°] 27	10 [°] 53	28 [°] 19	28 [°] 58	6 [°] 55	23 [°] 26	24 [°] 31	8 [°] 14	24 [°] 16
T 30	8 38 44	10 [°] 43'26	25 [°] 3	28 [°] 28	21 [°] 48	14 [°] 2	24 [°] 34	11 [°] 0	28 [°] 18	29 [°] 0	6 [°] 54	23 [°] 20	24 [°] 28	8 [°] 21	24 [°] 12
F 31	8 42 40	11 [°] 44'16	7 [♁] 17	29 [♁] 44	23 ³ 3	14 [♁] 14	24 ^{ml} 41	11 [♁] 7	28 ^{II} 16	29 [°] K2	6 [°] Ω52	23 [♁] 17	24 [♁] 25	8 ^{ml} 28	24 ^Ω 7

Delta T = 7.42 sec.

Greg. Calendar

FEBRUARY 1698GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	8 46 37	12 [♁] 45'04	19 [♁] 18	0 [♁] 55	24 ³ 18	14 [♁] 24	24 ^{ml} 48	11 [♁] 15	28 [°] R14	29 [°] K3	6 [°] R51	23 [♁] 15	24 [♁] 21	8 ^{ml} 34	24 [°] R3
S 2	8 50 33	13 [°] 45'51	1 ^{ml} 10	1 [°] 59	25 [°] 33	14 [°] 34	24 [°] 55	11 [°] 22	28 ^{II} 13	29 [°] 5	6 [°] Ω49	23 [°] 15	24 [°] 18	8 [°] 41	23 [°] Ω58
M 3	8 54 30	14 [°] 46'37	12 [°] 58	2 [°] 56	26 [°] 48	14 [°] 44	25 [°] 2	11 [°] 29	28 [°] 11	29 [°] 7	6 [°] 48	23 [°] R16	24 [°] 15	8 [°] 48	23 [°] 54
T 4	8 58 26	15 [°] 47'22	24 [°] 48	3 [°] 46	28 [°] 3	14 [°] 53	25 [°] 8	11 [°] 36	28 [°] 10	29 [°] 8	6 [°] 47	23 [°] 15	24 [°] 12	8 [°] 54	23 [°] 49
W 5	9 2 23	16 [°] 48'06	6 [♁] 44	4 [°] 26	29 [°] 18	15 [°] 1	25 [°] 15	11 [°] 43	28 [°] 8	29 [°] 10	6 [°] 45	23 [°] 13	24 [°] 9	9 [°] 1	23 [°] 44
T 6	9 6 19	17 [°] 48'50	18 [°] 54	4 [°] 57	0 [♁] 33	15 [°] 9	25 [°] 21	11 [°] 50	28 [°] 7	29 [°] 12	6 [°] 44	23 [°] 9	24 [°] 6	9 [°] 8	23 [°] 40
F 7	9 10 16	18 [°] 49'31	1 ³ 19	5 [°] 18	1 [°] 48	15 [°] 16	25 [°] 27	11 [°] 58	28 [°] 5	29 [°] 14	6 [°] 43	23 [°] 2	24 [°] 2	9 [°] 14	23 [°] 35
S 8	9 14 13	19 [°] 50'12	14 [°] 5	5 [°] 29	3 [°] 3	15 [°] 22	25 [°] 33	12 [°] 5	28 [°] 4	29 [°] 16	6 [°] 41	22 [°] 53	23 [°] 59	9 [°] 21	23 [°] 30
S 9	9 18 9	20 [°] 50'52	27 [°] 11	5 [°] R30	4 [°] 18	15 [°] 28	25 [°] 38	12 [°] 12	28 [°] 3	29 [°] 18	6 [°] 40	22 [°] 42	23 [°] 56	9 [°] 28	23 [°] 25
M10	9 22 6	21 [°] 51'30	10 [♁] 38	5 [°] 19	5 [°] 33	15 [°] 33	25 [°] 44	12 [°] 19	28 [°] 1	29 [°] 19	6 [°] 38	22 [°] 31	23 [°] 53	9 [°] 34	23 [°] 21
T 11	9 26 2	22 [°] 52'06	24 [°] 24	4 [°] 59	6 [°] 47	15 [°] 37	25 [°] 49	12 [°] 26	28 [°] 0	29 [°] 21	6 [°] 37	22 [°] 21	23 [°] 50	9 [°] 41	23 [°] 16
W12	9 29 59	23 [°] 52'42	8 [♁] 25	4 [°] 29	8 [°] 2	15 [°] 41	25 [°] 54	12 [°] 33	27 [°] 59	29 [°] 23	6 [°] 36	22 [°] 12	23 [°] 46	9 [°] 48	23 [°] 11
T 13	9 33 55	24 [°] 53'15	22 [°] 37	3 [°] 49	9 [°] 17	15 [°] 44	26 [°] 0	12 [°] 40	27 [°] 58	29 [°] 25	6 [°] 34	22 [°] 6	23 [°] 43	9 [°] 54	23 [°] 6
F 14	9 37 52	25 [°] 53'47	6 [♁] 53	3 [°] 1	10 [°] 32	15 [°] 46	26 [°] 4	12 [°] 47	27 [°] 57	29 [°] 27	6 [°] 33	22 [°] 3	23 [°] 40	10 [°] 1	23 [°] 2
S 15	9 41 48	26 [°] 54'17	21 [°] 11	2 [°] 7	11 [°] 47	15 [°] 48	26 [°] 9	12 [°] 54	27 [°] 56	29 [°] 29	6 [°] 32	22 [°] D2	23 [°] 37	10 [°] 8	22 [°] 57
S 16	9 45 45	27 [°] 54'45	5 ³ 26	1 [°] 7	13 [°] 2	15 [°] 49	26 [°] 14	13 [°] 1	27 [°] 55	29 [°] 31	6 [°] 31	22 [°] 2	23 [°] 34	10 [°] 14	22 [°] 52
M17	9 49 42	28 [°] 55'11	19 [°] 37	0 [°] 4	14 [°] 17	15 [°] R49	26 [°] 18	13 [°] 8	27 [°] 54	29 [°] 33					

SWISS EPHEMERIS for the year 1698

MARCH 1698GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	10 37 0	10 ^h 57'54	27 ^o 10	20 ^o R50	29 ^o 15	14 ^o R52	26 ^o 57	14 ^o 31	27 ^o R47	29 ^o 58	6 ^o R15	21 ^o 10	22 ^o 52	11 ^o M41	21 ^o R53
S 2	10 40 57	11 ^o 57'56	9 ^o M 1	20 ^o 43	0 ^h 29	14 ^o 43	26 ^o 59	14 ^o 37	27 ^o II47	0 ^o Y 0	6 ^o Ω14	21 ^o 11	22 ^o 49	11 ^o 47	21 ^o Ω48
M 3	10 44 53	12 ^o 57'56	20 ^o D42	1 ^o 44	14 ^o 32	27 ^o 1	14 ^o 44	27 ^o 47	0 ^o 3	6 ^o 13	21 ^o 13	22 ^o 46	11 ^o 54	21 ^o 44	
T 4	10 48 50	13 ^o 57'55	2 ^o 7'40	20 ^o 48	2 ^o 59	14 ^o 21	27 ^o 3	14 ^o 51	27 ^o 47	0 ^o 5	6 ^o 12	21 ^o 14	22 ^o 43	12 ^o 1	21 ^o 40
W 5	10 52 46	14 ^o 57'51	14 ^o 36	21 ^o 0	4 ^o 14	14 ^o 9	27 ^o 5	14 ^o 57	27 ^o 47	0 ^o 7	6 ^o 11	21 ^o R15	22 ^o 40	12 ^o 7	21 ^o 36
T 6	10 56 43	15 ^o 57'47	26 ^o 45	21 ^o 18	5 ^o 28	13 ^o 56	27 ^o 6	15 ^o 4	27 ^o D47	0 ^o 9	6 ^o 9	21 ^o 14	22 ^o 37	12 ^o 14	21 ^o 32
F 7	11 0 39	16 ^o 57'40	9 ^o 31	21 ^o 40	6 ^o 43	13 ^o 42	27 ^o 7	15 ^o 10	27 ^o 47	0 ^o 11	6 ^o 8	21 ^o 12	22 ^o 33	12 ^o 21	21 ^o 27
S 8	11 4 36	17 ^o 57'32	21 ^o 56	22 ^o 8	7 ^o 58	13 ^o 28	27 ^o 8	15 ^o 17	27 ^o 47	0 ^o 14	6 ^o 7	21 ^o 9	22 ^o 30	12 ^o 27	21 ^o 23
S 9	11 8 33	18 ^o 57'22	5 ^o 35	22 ^o 40	9 ^o 12	13 ^o 13	27 ^o 9	15 ^o 23	27 ^o 47	0 ^o 16	6 ^o 6	21 ^o 4	22 ^o 27	12 ^o 34	21 ^o 20
M10	11 12 29	19 ^o 57'11	18 ^o 40	23 ^o 17	10 ^o 27	12 ^o 57	27 ^o 10	15 ^o 29	27 ^o 47	0 ^o 18	6 ^o 6	20 ^o 59	22 ^o 24	12 ^o 41	21 ^o 16
T 11	11 16 26	20 ^o 56'57	2 ^h 38	23 ^o 57	11 ^o 42	12 ^o 41	27 ^o 10	15 ^o 36	27 ^o 48	0 ^o 20	6 ^o 5	20 ^o 54	22 ^o 21	12 ^o 47	21 ^o 12
W12	11 20 22	21 ^o 56'42	16 ^o 57	24 ^o 41	12 ^o 56	12 ^o 24	27 ^o 10	15 ^o 42	27 ^o 48	0 ^o 23	6 ^o 4	20 ^o 50	22 ^o 17	12 ^o 54	21 ^o 8
T 13	11 24 19	22 ^o 56'24	1 ^h Y31	25 ^o 29	14 ^o 11	12 ^o 6	27 ^o R10	15 ^o 48	27 ^o 48	0 ^o 25	6 ^o 3	20 ^o 48	22 ^o 14	13 ^o 0	21 ^o 5
F 14	11 28 15	23 ^o 56'05	16 ^o 14	26 ^o 21	15 ^o 26	11 ^o 48	27 ^o 10	15 ^o 54	27 ^o 49	0 ^o 27	6 ^o 2	20 ^o D46	22 ^o 11	13 ^o 7	21 ^o 1
S 15	11 32 12	24 ^o 55'43	0 ^h 58	27 ^o 15	16 ^o 40	11 ^o 29	27 ^o 10	16 ^o 0	27 ^o 49	0 ^o 29	6 ^o 1	20 ^o 47	22 ^o 8	13 ^o 14	20 ^o 57
S 16	11 36 8	25 ^o 55'19	15 ^o 38	28 ^o 12	17 ^o 55	11 ^o 10	27 ^o 9	16 ^o 7	27 ^o 50	0 ^o 32	6 ^o 0	20 ^o 48	22 ^o 5	13 ^o 20	20 ^o 54
M17	11 40 5	26 ^o 54'53	0 ^h II 8	29 ^o 13	19 ^o 10	10 ^o 50	27 ^o 9	16 ^o 13	27 ^o 50	0 ^o 34	5 ^o 59	20 ^o 49	22 ^o 2	13 ^o 27	20 ^o 51
T 18	11 44 2	27 ^o 54'25	14 ^o 24	0 ^h 15	20 ^o 24	10 ^o 30	27 ^o 8	16 ^o 19	27 ^o 51	0 ^o 36	5 ^o 59	20 ^o 50	21 ^o 58	13 ^o 34	20 ^o 47
W19	11 47 58	28 ^o 53'54	28 ^o 24	1 ^o 20	21 ^o 39	10 ^o 9	27 ^o 7	16 ^o 24	27 ^o 52	0 ^o 39	5 ^o 58	20 ^o R51	21 ^o 55	13 ^o 40	20 ^o 44
T 20	11 51 55	29 ^o 53'21	12 ^o 39	2 ^o 28	22 ^o 53	9 ^o 47	27 ^o 6	16 ^o 30	27 ^o 52	0 ^o 41	5 ^o 57	20 ^o 50	21 ^o 52	13 ^o 47	20 ^o 41
F 21	11 55 51	0 ^h Y52'45	25 ^o 37	3 ^o 38	24 ^o 8	9 ^o 26	27 ^o 4	16 ^o 36	27 ^o 53	0 ^o 43	5 ^o 56	20 ^o 49	21 ^o 49	13 ^o 54	20 ^o 38
S 22	11 59 48	1 ^o 52'08	8 ^o Ω49	4 ^o 50	25 ^o 22	9 ^o 4	27 ^o 2	16 ^o 42	27 ^o 54	0 ^o 45	5 ^o 56	20 ^o 47	21 ^o 46	14 ^o 0	20 ^o 35
S 23	12 3 44	2 ^o 51'28	21 ^o 47	6 ^o 4	26 ^o 37	8 ^o 42	27 ^o 1	16 ^o 48	27 ^o 55	0 ^o 48	5 ^o 55	20 ^o 44	21 ^o 43	14 ^o 7	20 ^o 32
M24	12 7 41	3 ^o 50'45	4 ^h 31	7 ^o 20	27 ^o 51	8 ^o 19	26 ^o 59	16 ^o 53	27 ^o 56	0 ^o 50	5 ^o 54	20 ^o 42	21 ^o 39	14 ^o 14	20 ^o 30
T 25	12 11 37	4 ^o 50'00	17 ^o 2	8 ^o 38	29 ^o 6	7 ^o 56	26 ^o 56	16 ^o 59	27 ^o 57	0 ^o 52	5 ^o 54	20 ^o 39	21 ^o 36	14 ^o 20	20 ^o 27
W26	12 15 34	5 ^o 49'14	29 ^o 22	9 ^o 57	0 ^h Y20	7 ^o 33	26 ^o 54	17 ^o 5	27 ^o 58	0 ^o 54	5 ^o 53	20 ^o 38	21 ^o 33	14 ^o 27	20 ^o 25
T 27	12 19 31	6 ^o 48'25	11 ^o Ω31	11 ^o 19	1 ^o 35	7 ^o 10	26 ^o 52	17 ^o 10	27 ^o 59	0 ^o 57	5 ^o 53	20 ^o 37	21 ^o 30	14 ^o 34	20 ^o 22
F 28	12 23 27	7 ^o 47'34	23 ^o 32	12 ^o 42	2 ^o 49	6 ^o 47	26 ^o 49	17 ^o 15	28 ^o 0	0 ^o 59	5 ^o 52	20 ^o D36	21 ^o 27	14 ^o 40	20 ^o 20
S 29	12 27 24	8 ^o 46'41	5 ^h M26	14 ^o 7	4 ^o 4	6 ^o 24	26 ^o 46	17 ^o 21	28 ^o 2	1 ^o 1	5 ^o 52	20 ^o 37	21 ^o 23	14 ^o 47	20 ^o 18
S 30	12 31 20	9 ^o 45'46	17 ^o 15	15 ^o 33	5 ^o 18	6 ^o 1	26 ^o 43	17 ^o 26	28 ^o 3	1 ^o 3	5 ^o 51	20 ^o 38	21 ^o 20	14 ^o 54	20 ^o 15
M31	12 35 17	10 ^h Y44'50	29 ^h M 4	17 ^h X 2	6 ^h Y32	5 ^h Ω38	26 ^h M40	17 ^h 31	28 ^h II 4	1 ^h Y 6	5 ^h Ω51	20 ^h Ω39	21 ^h Ω17	15 ^h M 0	20 ^h Ω13

Delta T = 7.42 sec.

Greg. Calendar

APRIL 1698GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	12 39 13	11 ^h Y43'51	10 ^h 7'54	18 ^h X31	7 ^h Y47	5 ^o R15	26 ^o R36	17 ^o 37	28 ^o II 5	1 ^h Y 8	5 ^o R50	20 ^o Ω40	21 ^o Ω14	15 ^o M 7	20 ^o R11
W 2	12 43 10	12 ^o 42'51	22 ^o 51	20 ^o 3	9 ^o 1	4 ^o Ω52	26 ^o M33	17 ^o 42	28 ^o 7	1 ^o 10	5 ^o Ω50	20 ^o 41	21 ^o 11	15 ^o 14	20 ^o Ω10
T 3	12 47 6	13 ^o 41'49	4 ^h 359	21 ^o 36	10 ^o 16	4 ^o 29	26 ^o 29	17 ^o 47	28 ^o 8	1 ^o 12	5 ^o 49	20 ^o 41	21 ^o 8	15 ^o 20	20 ^o 8
F 4	12 51 3	14 ^o 40'45	17 ^o 22	23 ^o 10	11 ^o 30	4 ^o 6	26 ^o 25	17 ^o 52	28 ^o 10	1 ^o 15	5 ^o 49	20 ^o R41	21 ^o 4	15 ^o 27	20 ^o 6
S 5	12 54 59	15 ^o 39'40	0 ^h 34	24 ^o 46	12 ^o 44	3 ^o 44	26 ^o 21	17 ^o 57	28 ^o 11	1 ^o 17	5 ^o 49	20 ^o 41	21 ^o 1	15 ^o 34	20 ^o 5
S 6	12 58 56	16 ^o 38'32	13 ^o 9	26 ^o 24	13 ^o 59	3 ^o 22	26 ^o 17	18 ^o 1	28 ^o 13	1 ^o 19	5 ^o 48	20 ^o 41	20 ^o 58	15 ^o 40	20 ^o 3
M 7	13 2 53	17 ^o 37'23	26 ^o 40	28 ^o 3	15 ^o 13	3 ^o 1	26 ^o 12	18 ^o 6	28 ^o 15	1 ^o 21	5 ^o 48	20 ^o 40	20 ^o 55	15 ^o 47	20 ^o 2
T 8	13 6 49	18 ^o 36'12	10 ^h X38	29 ^o 44	16 ^o 27	2 ^o 39	26 ^o 8	18 ^o 11	28 ^o 16	1 ^o 23	5 ^o 48	20 ^o 40	20 ^o 52	15 ^o 54	20 ^o 1
W 9	13 10 46	19 ^o 35'00	25 ^o 1	1 ^h Y26	17 ^o 41	2 ^o 18	26 ^o 3	18 ^o 16	28 ^o 18	1 ^o 26	5 ^o 47	20 ^o 40	20 ^o 48	16 ^o 0	20 ^o 0
T 10	13 14 42	20 ^o 33'45	9 ^h Y44	3 ^o 10	18 ^o 56	1 ^o 58	25 ^o 58	18 ^o 20	28 ^o 20	1 ^o 28	5 ^o 47	20 ^o D40	20 ^o 45	16 ^o 7	19 ^o 59
F 11	13 18 39	21 ^o 32'29	24 ^o 43	4 ^o 56	20 ^o 10	1 ^o 38	25 ^o 53	18 ^o 25	28 ^o 22	1 ^o 30	5 ^o 47	20 ^o R40	20 ^o 42	16 ^o 13	19 ^o 58
S 12	13 22 35	22 ^o 31'10	9 ^h 348	6 ^o 43	21 ^o 24	1 ^o 19	25 ^o 48	18 ^o 29	28 ^o 24	1 ^o 32	5 ^o 47	20 ^o 40	20 ^o 39	16 ^o 20	19 ^o 57
S 13	13 26 32	23 ^o 29'50	24 ^o 51	8 ^o 31	22 ^o 38	1 ^o 0	25 ^o 42	18 ^o 33	28 ^o 26	1 ^o 34	5 ^o 47	20 ^o 39	20 ^o 36	16 ^o 27	19 ^o 56
M14	13 30 28	24 ^o 28'27	9 ^h II43	10 ^o 21	23 ^o 53	0 ^o 42	25 ^o 37	18 ^o 38	28 ^o 28	1 ^o 36	5 ^o 47	20 ^o 39	20 ^o 33	16 ^o 33	19 ^o 56
T 15	13 34 25	25 ^o 27'03	24 ^o 17	12 ^o 13	25 ^o 7	0 ^o 24	25 ^o 31	18 ^o 42	28 ^o 30	1 ^o 39	5 ^o 47	20 ^o 39	20 ^o 29	16 ^o 40	19 ^o 55
W16	13 38 22	26 ^o 25'36	8 ^h 30	14 ^o 7	26 ^o 21	0 ^o 7	25 ^o 26	18 ^o 46	28 ^o 32	1 ^o 41	5 ^o 47	20 ^o 38	20 ^o 26	16 ^o 47	19 ^o 55
T															

SWISS EPHEMERIS for the year 1698

MAY 1698GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌
T 1	14 37 30	10♄59'48	13♂49	15♂10	14♄52	27°R22	23°R47	19♁38	29♂ 7	2♀11	5♄49	20°R28	19♁39	18♂27	20♄ 4	
F 2	14 41 26	11°57'51	26°12	17°20	16° 6	27♂18	23♂39	19°40	29°10	2°12	5°49	20♁26	19°35	18°33	20° 5	
S 3	14 45 23	12°55'53	8♁51	19°29	17°20	27°14	23°32	19°43	29°13	2°14	5°50	20°D26	19°32	18°40	20° 7	
S 4	14 49 20	13°53'53	21°51	21°37	18°34	27°10	23°25	19°46	29°15	2°16	5°50	20°26	19°29	18°47	20° 8	
M 5	14 53 16	14°51'52	5♂14	23°44	19°47	27° 8	23°17	19°48	29°18	2°18	5°51	20°27	19°26	18°53	20°10	
T 6	14 57 13	15°49'50	19° 3	25°50	21° 1	27° 6	23°10	19°50	29°21	2°20	5°51	20°28	19°23	19° 0	20°12	
W 7	15 1 9	16°47'46	3♀18	27°53	22°15	27° 5	23° 2	19°53	29°24	2°21	5°52	20°29	19°20	19° 7	20°14	
T 8	15 5 6	17°45'41	17°57	29°55	23°29	27°D 5	22°55	19°55	29°27	2°23	5°52	20°R30	19°16	19°13	20°16	
F 9	15 9 2	18°43'35	2♄55	1♂55	24°43	27° 6	22°47	19°57	29°30	2°25	5°53	20°30	19°13	19°20	20°18	
S 10	15 12 59	19°41'27	18° 6	3°52	25°57	27° 7	22°39	19°59	29°33	2°27	5°53	20°28	19°10	19°27	20°21	
S 11	15 16 55	20°39'18	3♂20	5°47	27°11	27°10	22°32	20° 1	29°36	2°28	5°54	20°25	19° 7	19°33	20°23	
M12	15 20 52	21°37'08	18°27	7°39	28°24	27°13	22°24	20° 3	29°39	2°30	5°55	20°21	19° 4	19°40	20°26	
T 13	15 24 49	22°34'56	3♁16	9°28	29°38	27°16	22°16	20° 5	29°42	2°32	5°55	20°16	19° 0	19°47	20°28	
W14	15 28 45	23°32'42	17°43	11°14	0♂52	27°21	22° 9	20° 6	29°45	2°33	5°56	20°12	18°57	19°53	20°31	
T 15	15 32 42	24°30'27	1♄42	12°57	2° 6	27°26	22° 1	20° 8	29°48	2°35	5°57	20° 9	18°54	20° 0	20°34	
F 16	15 36 38	25°28'10	15°13	14°37	3°20	27°32	21°53	20° 9	29°51	2°36	5°57	20° 7	18°51	20° 7	20°37	
S 17	15 40 35	26°25'51	28°18	16°14	4°33	27°38	21°46	20°11	29°54	2°38	5°58	20°D 6	18°48	20°13	20°40	
S 18	15 44 31	27°23'31	10♂59	17°48	5°47	27°45	21°38	20°12	29°57	2°39	5°59	20° 7	18°45	20°20	20°43	
M19	15 48 28	28°21'09	23°21	19°18	7° 1	27°53	21°31	20°13	0♁ 0	2°41	6° 0	20° 8	18°41	20°27	20°46	
T 20	15 52 24	29°18'45	5♁29	20°45	8°15	28° 2	21°23	20°14	0° 3	2°42	6° 1	20°10	18°38	20°33	20°50	
W21	15 56 21	0♂16'21	17°26	22° 9	9°28	28°11	21°16	20°15	0° 7	2°44	6° 1	20°R11	18°35	20°40	20°53	
T 22	16 0 18	1°13'54	29°18	23°29	10°42	28°21	21° 8	20°16	0°10	2°45	6° 2	20°10	18°32	20°47	20°57	
F 23	16 4 14	2°11'27	11♂ 6	24°46	11°56	28°31	21° 1	20°17	0°13	2°46	6° 3	20° 8	18°29	20°53	21° 1	
S 24	16 8 11	3° 8'58	22°55	25°59	13° 9	28°42	20°54	20°17	0°17	2°48	6° 4	20° 4	18°25	21° 0	21° 4	
S 25	16 12 7	4° 6'28	4♄45	27° 9	14°23	28°54	20°46	20°18	0°20	2°49	6° 5	19°58	18°22	21° 7	21° 8	
M26	16 16 4	5° 3'57	16°41	28°15	15°37	29° 6	20°39	20°18	0°23	2°50	6° 6	19°51	18°19	21°13	21°12	
T 27	16 20 0	6° 1'26	28°42	29°18	16°50	29°19	20°32	20°19	0°26	2°52	6° 7	19°42	18°16	21°20	21°16	
W28	16 23 57	6°58'53	10♂50	0♁17	18° 4	29°32	20°25	20°19	0°30	2°53	6° 8	19°34	18°13	21°27	21°20	
T 29	16 27 53	7°56'19	23° 8	1°12	19°17	29°46	20°18	20°19	0°33	2°54	6° 9	19°26	18°10	21°33	21°24	
F 30	16 31 50	8°53'45	5♁38	2° 3	20°31	0♁ 0	20°11	20°R19	0°37	2°55	6°10	19°20	18° 6	21°40	21°29	
S 31	16 35 47	9♂51'09	18♁20	2♁51	21♂44	0♁15	20♂ 4	20♁19	0♁40	2♀56	6♄11	19♁15	18♁ 3	21♂47	21♄33	

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌
S 1	16 39 43	10♂48'33	1♂20	3♁34	22♂58	0♁31	19°R57	20°R19	0♁43	2♀57	6♄12	19°R13	18♁ 0	21♂53	21♄38	
M 2	16 43 40	11°45'57	14°38	4°13	24°12	0°47	19♂51	20♁19	0°47	2°59	6°13	19°D13	17°57	22° 0	21°42	
T 3	16 47 36	12°43'20	28°18	4°48	25°25	1° 3	19°44	20°19	0°50	3° 0	6°15	19♁13	17°54	22° 7	21°47	
W 4	16 51 33	13°40'42	12♀20	5°19	26°39	1°20	19°37	20°18	0°54	3° 1	6°16	19°R14	17°51	22°13	21°52	
T 5	16 55 29	14°38'04	26°46	5°45	27°52	1°38	19°31	20°18	0°57	3° 2	6°17	19°14	17°47	22°20	21°57	
F 6	16 59 26	15°35'25	11♂32	6° 7	29° 6	1°56	19°25	20°17	1° 1	3° 3	6°18	19°12	17°44	22°27	22° 1	
S 7	17 3 22	16°32'46	26°34	6°24	0♁19	2°14	19°19	20°17	1° 4	3° 4	6°19	19° 8	17°41	22°33	22° 7	
S 8	17 7 19	17°30'06	11♂42	6°37	1°33	2°33	19°13	20°16	1° 8	3° 5	6°21	19° 2	17°38	22°40	22°12	
M 9	17 11 16	18°27'26	26°48	6°45	2°46	2°52	19° 7	20°15	1°11	3° 5	6°22	18°54	17°35	22°47	22°17	
T 10	17 15 12	19°24'45	11♁42	6°R49	4° 0	3°12	19° 1	20°14	1°15	3° 6	6°23	18°44	17°31	22°53	22°22	
W11	17 19 9	20°22'03	26°14	6°48	5°13	3°32	18°55	20°13	1°19	3° 7	6°24	18°36	17°28	23° 0	22°27	
T 12	17 23 5	21°19'21	10♄20	6°43	6°27	3°53	18°50	20°12	1°22	3° 8	6°26	18°28	17°25	23° 7	22°33	
F 13	17 27 2	22°16'37	23°57	6°33	7°40	4°14	18°45	20°10	1°26	3° 9	6°27	18°23	17°22	23°13	22°38	
S 14	17 30 58	23°13'53	7♂ 5	6°19	8°54	4°36	18°39	20° 9	1°29	3° 9	6°28	18°20	17°19	23°20	22°44	
S 15	17 34 55	24°11'08	19°48	6° 2	10° 7	4°58	18°34	20° 8	1°33	3°10	6°30	18°D18	17°16	23°27	22°50	
M16	17 38 51	25° 8'22	2♁10	5°40	11°20	5°20	18°29	20° 6	1°36	3°11	6°31	18°18	17°12	23°33	22°55	
T 17	17 42 48	26° 5'36	14°16	5°15	12°34	5°43	18°25	20° 4	1°40	3°11	6°33	18°R19	17° 9	23°40	23° 1	
W18	17 46 45	27° 2'49	26°11	4°47	13°47	6° 6	18°20	20° 3	1°44	3°12	6°34	18°19	17° 6	23°47	23° 7	
T 19	17 50 41	28° 0'01	8♂ 4	4°17	15° 1	6°29	18°15	20° 1	1°47	3°12	6°35	18°17	17° 3	23°53	23°13	
F 20	17 54 38	28°57'13	19°48	3°44	16°14	6°53	18°11	19°59	1°51	3°13	6°37	18°13	17° 0	24° 0	23°19	
S 21	17 58 34	29°54'24	1♄38	3°10	17°27	7°17	18° 7	19°57	1°54	3°14	6°38	18° 6	16°57	24° 7	23°25	
S 22	18 2 31	0♁51'35	13°34	2°35	18°41	7°42	18° 3	19°55	1°58	3°14	6°40	17°57	16°53	24°13	23°31	
M23	18 6 27	1°48'46	25°37	1°59	19°54	8° 7	17°59	19°53	2° 2	3°14	6°41	17°46	16°50	24°20	23°37	
T 24	18 10 24	2°45'57	7♂48	1°24	21° 7	8°32	17°55	19°51	2° 5	3°15	6°43	17°33	16°47	24°27	23°44	
W25	18 14 20	3°43'07	20°10	0°49	22°20	8°57	17°52	19°48	2° 9	3°15	6°44	17°20	16°44	24°33	23°50	
T 26	18 18 17	4°40'17	2♁42	0°16	23°34	9°23	17°49	19°46	2°12	3°16	6°46	17° 9	16°41	24°40	23°57	
F 27	18 22 14	5°37'27	15°24	29♂45	24°47	9°49	17°45	19°43	2°16	3°16	6°47	16°59	16°37	24°47	24° 3	
S 28	18 26 10	6°34'38	28°18	29°16	26° 0	10°16	17°42	19°41	2°20	3°16	6°49	16°52	16°34	24°54	24°10	
S 29	18 30 7	7°31'48	11♂25	28°50	27°13	10°43	17°40	19°38	2°23	3°16	6°51	16°47	16°31	25° 0	24°16	
M30	18 34 3	8♁28'59	24♂47	28♂28	28♂27	11♁10	17♂37	19♁35	2♁27	3♀17	6♄52	16♁45	16♁28	25♂ 7	24♄23	

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SWISS EPHEMERIS for the year 1698

JULY 1698GC

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	18 38 0	9 ^h 26'10	8 ^h Y24	28°R10	29 ^h 240	11 ^h 237	17°R34	19°R32	2 ^h 30	3 ^h Y17	6 ^h 54	16°R45	16 ^h 25	25 ^h M14	24 ^h 230
W 2	18 41 56	10°23'21	22°18	27 ^h II56	0 ^h 253	12° 5	17 ^h M32	19 ^h 230	2°34	3°17	6°55	16 ^h 45	16°22	25°20	24°36
T 3	18 45 53	11°20'33	6 ^h 31	27°47	2° 6	12°33	17°30	19°27	2°38	3°17	6°57	16°44	16°18	25°27	24°43
F 4	18 49 49	12°17'46	21° 0	27°D42	3°19	13° 1	17°28	19°24	2°41	3°17	6°59	16°41	16°15	25°34	24°50
S 5	18 53 46	13°14'58	5 ^h II42	27°42	4°33	13°29	17°26	19°20	2°45	3°17	7° 0	16°36	16°12	25°40	24°57
S 6	18 57 43	14°12'12	20°33	27°48	5°46	13°58	17°25	19°17	2°48	3°R17	7° 2	16°28	16° 9	25°47	25° 4
M 7	19 1 39	15° 9'25	5 ^h 23	27°59	6°59	14°27	17°23	19°14	2°52	3°17	7° 4	16°17	16° 6	25°54	25°11
T 8	19 5 36	16° 6'39	20° 5	28°15	8°12	14°56	17°22	19°11	2°55	3°17	7° 5	16° 6	16° 3	26° 0	25°18
W 9	19 9 32	17° 3'53	4 ^h II30	28°36	9°25	15°26	17°21	19° 7	2°59	3°17	7° 7	15°55	15°59	26° 7	25°26
T 10	19 13 29	18° 1'07	18°33	29° 3	10°38	15°56	17°20	19° 4	3° 3	3°17	7° 9	15°45	15°56	26°14	25°33
F 11	19 17 25	18°58'22	2 ^h 9	29°35	11°51	16°26	17°19	19° 0	3° 6	3°17	7°10	15°38	15°53	26°20	25°40
S 12	19 21 22	19°55'36	15°19	0 ^h 13	13° 4	16°56	17°19	18°57	3°10	3°17	7°12	15°33	15°50	26°27	25°48
S 13	19 25 18	20°52'51	28° 4	0°55	14°17	17°27	17°19	18°53	3°13	3°16	7°14	15°30	15°47	26°34	25°55
M 14	19 29 15	21°50'06	10 ^h 27	1°43	15°30	17°58	17°D18	18°49	3°17	3°16	7°16	15°29	15°43	26°40	26° 2
T 15	19 33 12	22°47'21	22°34	2°37	16°43	18°29	17°18	18°46	3°20	3°16	7°17	15°29	15°40	26°47	26°10
W 16	19 37 8	23°44'36	4 ^h M30	3°35	17°56	19° 0	17°19	18°42	3°23	3°16	7°19	15°29	15°37	26°54	26°17
T 17	19 41 5	24°41'52	16°20	4°39	19° 9	19°32	17°19	18°38	3°27	3°15	7°21	15°27	15°34	27° 0	26°25
F 18	19 45 1	25°39'08	28°10	5°47	20°22	20° 3	17°20	18°34	3°30	3°15	7°22	15°24	15°31	27° 7	26°33
S 19	19 48 58	26°36'25	10 ^h 27	7° 0	21°35	20°35	17°20	18°30	3°34	3°14	7°24	15°17	15°28	27°14	26°40
S 20	19 52 54	27°33'42	22° 4	8°19	22°48	21° 8	17°21	18°26	3°37	3°14	7°26	15° 8	15°24	27°20	26°48
M 21	19 56 51	28°30'59	4 ^h 16	9°42	24° 1	21°40	17°23	18°22	3°40	3°14	7°28	14°57	15°21	27°27	26°56
T 22	20 0 47	29°28'17	16°39	11° 9	25°14	22°13	17°24	18°18	3°44	3°13	7°29	14°45	15°18	27°34	27° 3
W 23	20 4 44	0 ^h 25'36	29°16	12°41	26°26	22°45	17°25	18°14	3°47	3°13	7°31	14°33	15°15	27°40	27°11
T 24	20 8 41	1°22'55	12 ^h 25	14°17	27°39	23°18	17°27	18°10	3°50	3°12	7°33	14°21	15°12	27°47	27°19
F 25	20 12 37	2°20'15	25° 7	15°57	28°52	23°52	17°29	18° 5	3°54	3°11	7°35	14°12	15° 9	27°54	27°27
S 26	20 16 34	3°17'36	8 ^h 27	17°40	0 ^h 5	24°25	17°31	18° 1	3°57	3°11	7°37	14° 5	15° 5	28° 1	27°35
S 27	20 20 30	4°14'59	21°44	19°28	1°18	24°59	17°33	17°57	4° 0	3°10	7°38	14° 0	15° 2	28° 7	27°43
M 28	20 24 27	5°12'22	5 ^h Y19	21°18	2°30	25°32	17°36	17°53	4° 3	3° 9	7°40	13°58	14°59	28°14	27°51
T 29	20 28 23	6° 9'46	19° 4	23°11	3°43	26° 6	17°38	17°48	4° 7	3° 9	7°42	13°D58	14°56	28°21	27°59
W 30	20 32 20	7° 7'12	2 ^h 59	25° 7	4°56	26°41	17°41	17°44	4°10	3° 8	7°44	13°R59	14°53	28°27	28° 7
T 31	20 36 16	8 ^h 24'39	17 ^h 8	27 ^h 5	6 ^h 8	27 ^h 15	17 ^h M44	17 ^h 240	4 ^h 13	3 ^h Y 7	7 ^h 245	13 ^h 258	14 ^h 49	28 ^h M34	28 ^h 215

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AUGUST 1698GC

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	20 40 13	9 ^h 20'07	1 ^h II21	29 ^h 25	7 ^h 21	27 ^h 250	17 ^h M47	17°R35	4 ^h 16	3°R 6	7 ^h 247	13°R57	14 ^h 46	28 ^h M41	28 ^h 223
S 2	20 44 10	9°59'37	15°44	1 ^h 2	8°33	28°24	17°50	17 ^h 231	4°19	3°Y 6	7°49	13 ^h 252	14°43	28°47	28°31
S 3	20 48 6	10°57'08	0 ^h 11	3° 9	9°46	28°59	17°53	17°26	4°22	3° 5	7°51	13°46	14°40	28°54	28°39
M 4	20 52 3	11°54'40	14°36	5°12	10°59	29°34	17°57	17°22	4°25	3° 4	7°53	13°37	14°37	29° 1	28°47
T 5	20 55 59	12°52'13	28°55	7°15	12°11	0 ^h M10	18° 1	17°17	4°28	3° 3	7°54	13°28	14°34	29° 7	28°55
W 6	20 59 56	13°49'48	13 ^h 2	9°19	13°24	0°45	18° 5	17°13	4°31	3° 2	7°56	13°18	14°30	29°14	29° 4
T 7	21 3 52	14°47'24	26°48	11°22	14°36	1°21	18° 9	17° 8	4°34	3° 1	7°58	13°10	14°27	29°21	29°12
F 8	21 7 49	15°45'01	10 ^h 15	13°26	15°49	1°56	18°13	17° 4	4°37	3° 0	8° 0	13° 4	14°24	29°27	29°20
S 9	21 11 45	16°42'39	23°19	15°28	17° 1	2°32	18°17	16°59	4°40	2°59	8° 1	13° 0	14°21	29°34	29°28
S 10	21 15 42	17°40'18	6 ^h 2	17°30	18°13	3° 9	18°22	16°55	4°43	2°58	8° 3	12°58	14°18	29°41	29°37
M 11	21 19 39	18°37'58	18°24	19°31	19°26	3°45	18°27	16°50	4°46	2°57	8° 5	12°D58	14°15	29°47	29°45
T 12	21 23 35	19°35'39	0 ^h M32	21°31	20°38	4°21	18°32	16°46	4°49	2°56	8° 7	12°59	14°11	29°54	29°53
W 13	21 27 32	20°33'21	12°29	23°30	21°50	4°58	18°37	16°41	4°51	2°55	8° 8	13° 0	14° 8	0 ^h 27	0 ^h M 2
T 14	21 31 28	21°31'05	24°21	25°28	23° 3	5°35	18°42	16°37	4°54	2°54	8°10	13°R 0	14° 5	0° 7	0°10
F 15	21 35 25	22°28'49	6 ^h 27	27°24	24°15	6°12	18°47	16°33	4°57	2°53	8°12	12°59	14° 2	0°14	0°18
S 16	21 39 21	23°26'35	18° 7	29°19	25°27	6°49	18°53	16°28	5° 0	2°51	8°14	12°56	13°59	0°21	0°27
S 17	21 43 18	24°24'22	0 ^h 12	1 ^h 13	26°39	7°26	18°58	16°24	5° 2	2°50	8°15	12°51	13°55	0°28	0°35
M 18	21 47 14	25°22'10	12°29	3° 6	27°51	8° 3	19° 4	16°19	5° 5	2°49	8°17	12°44	13°52	0°34	0°44
T 19	21 51 11	26°19'59	25° 2	4°57	29° 3	8°41	19°10	16°15	5° 7	2°48	8°19	12°36	13°49	0°41	0°52
W 20	21 55 8	27°17'50	7 ^h 25	6°47	0 ^h 15	9°18	19°16	16°10	5°10	2°46	8°21	12°28	13°46	0°48	1° 1
T 21	21 59 4	28°15'42	20°58	8°35	1°27	9°56	19°23	16° 6	5°12	2°45	8°22	12°21	13°43	0°54	1° 9
F 22	22 3 1	29°13'36	4 ^h 21	10°22	2°39	10°34	19°29	16° 2	5°15	2°44	8°24	12°15	13°40	1° 1	1°17
S 23	22 6 57	0 ^h 11'31	17°58	12° 8	3°51	11°12	19°35	15°57	5°17	2°43	8°26	12°10	13°36	1° 8	1°26
S 24	22 10 54	1° 9'27	1 ^h Y46	13°53	5° 3	11°50	19°42	15°53	5°20	2°41	8°27	12° 8	13°33	1°14	1°34
M 25	22 14 50	2° 7'26	15°44	15°36	6°15	12°29	19°49	15°49	5°22	2°40	8°29	12°D 8	13°30	1°21	1°43
T 26	22 18 47	3° 5'26	29°47	17°18	7°27	13° 7	19°56	15°45	5°24	2°38	8°31	12° 9	13°27	1°28	1°51
W 27	22 22 43	4° 3'29	13 ^h 56	18°59	8°39	13°46	20° 3	15°41	5°27	2°37	8°32	12°10	13°24	1°34	2° 0
T 28	22 26 40	5° 1'33	28° 6	20°38	9°50	14°25	20°10	15°37	5°29	2°36	8°34	12°11	13°20	1°41	2° 8
F 29	22 30 37	5°59'40	12 ^h II17	22°16	11° 2	15° 3	20°18	15°32	5°31	2°34	8°35	12°R11	13°17	1°48	2°16
S 30	22 34 33	6°57'48	26°27	23°53	12°14	15°42	20°25	15°28	5°33	2°33	8°37	12°10	13°14	1°54	2°25
S 31	22 38 30	7 ^h 55'58	10 ^h 23	25 ^h 29	13 ^h 26	16 ^h M22	20 ^h M33	15 ^h 24	5 ^h 235	2 ^h Y31	8 ^h 239	12 ^h 7	13 ^h 11	2 ^h 27	2 ^h M33

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SWISS EPHEMERIS for the year 1698

SEPTEMBER 1698GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
M 1	22 42 26	8♄54'11	24♄33	27♄ 3	14♄37	17♄ 1	20♄41	15°R20	5♄37	2°R30	8♄40	12°R 3	13♄ 8	2♄ 8	2♄42	
T 2	22 46 23	9°52'25	8♄25	28°37	15°49	17°40	20°48	15°≈17	5°39	2♄28	8°42	11°≈58	13° 5	2°15	2°50	
W 3	22 50 19	10°50'42	22° 4	0♄ 9	17° 0	18°20	20°57	15°13	5°41	2°27	8°43	11°53	13° 1	2°21	2°59	
T 4	22 54 16	11°49'00	5♄28	1°40	18°12	19° 0	21° 5	15° 9	5°43	2°25	8°45	11°48	12°58	2°28	3° 7	
F 5	22 58 12	12°47'20	18°37	3°10	19°23	19°39	21°13	15° 5	5°45	2°24	8°46	11°45	12°55	2°35	3°15	
S 6	23 2 9	13°45'41	1♄27	4°38	20°35	20°19	21°21	15° 2	5°47	2°22	8°48	11°43	12°52	2°41	3°24	
S 7	23 6 5	14°44'05	14° 1	6° 6	21°46	20°59	21°30	14°58	5°49	2°21	8°50	11°D43	12°49	2°48	3°32	
M 8	23 10 2	15°42'30	26°20	7°32	22°57	21°39	21°39	14°54	5°51	2°19	8°51	11°44	12°46	2°55	3°41	
T 9	23 13 59	16°40'57	8♄26	8°57	24° 8	22°20	21°47	14°51	5°52	2°17	8°52	11°45	12°42	3° 1	3°49	
W10	23 17 55	17°39'26	20°22	10°21	25°20	23° 0	21°56	14°48	5°54	2°16	8°54	11°47	12°39	3° 8	3°57	
T11	23 21 52	18°37'56	2♄14	11°43	26°31	23°41	22° 5	14°44	5°56	2°14	8°55	11°48	12°36	3°15	4° 6	
F12	23 25 48	19°36'28	14° 5	13° 4	27°42	24°21	22°14	14°41	5°57	2°13	8°57	11°49	12°33	3°21	4°14	
S13	23 29 45	20°35'02	26° 1	14°24	28°53	25° 2	22°23	14°38	5°59	2°11	8°58	11°R49	12°30	3°28	4°22	
S14	23 33 41	21°33'38	8♄ 5	15°42	0♄ 4	25°43	22°33	14°35	6° 0	2° 9	9° 0	11°48	12°26	3°35	4°31	
M15	23 37 38	22°32'15	20°24	16°59	1°15	26°24	22°42	14°32	6° 2	2° 8	9° 1	11°47	12°23	3°42	4°39	
T16	23 41 34	23°30'53	3≈ 0	18°15	2°26	27° 5	22°52	14°29	6° 3	2° 6	9° 2	11°44	12°20	3°48	4°47	
W17	23 45 31	24°29'34	15°56	19°28	3°37	27°46	23° 1	14°26	6° 4	2° 4	9° 4	11°42	12°17	3°55	4°55	
T18	23 49 28	25°28'16	29°13	20°41	4°47	28°27	23°11	14°23	6° 6	2° 3	9° 5	11°39	12°14	4° 2	5° 3	
F19	23 53 24	26°27'00	12♁52	21°51	5°58	29° 9	23°21	14°20	6° 7	2° 1	9° 6	11°37	12°11	4° 8	5°12	
S20	23 57 21	27°25'46	26°50	22°59	7° 9	29°50	23°31	14°17	6° 8	1°59	9° 8	11°36	12° 7	4°15	5°20	
S21	0 1 17	28°24'35	11♁ 4	24° 6	8°19	0♄32	23°41	14°15	6° 9	1°58	9° 9	11°D36	12° 4	4°22	5°28	
M22	0 5 14	29°23'25	25°29	25°10	9°30	1°14	23°51	14°12	6°10	1°56	9°10	11°36	12° 1	4°28	5°36	
T23	0 9 10	0♄22'17	10♁ 0	26°12	10°40	1°55	24° 1	14°10	6°11	1°54	9°11	11°37	11°58	4°35	5°44	
W24	0 13 7	1°21'12	24°31	27°12	11°51	2°37	24°12	14° 8	6°12	1°53	9°13	11°38	11°55	4°42	5°52	
T25	0 17 3	2°20'09	8♄57	28° 9	13° 1	3°19	24°22	14° 5	6°13	1°51	9°14	11°39	11°52	4°48	6° 0	
F26	0 21 0	3°19'08	23°16	29° 3	14°11	4° 1	24°33	14° 3	6°14	1°49	9°15	11°39	11°48	4°55	6° 8	
S27	0 24 57	4°18'10	7♄23	29°54	15°21	4°44	24°43	14° 1	6°15	1°48	9°16	11°R39	11°45	5° 2	6°16	
S28	0 28 53	5°17'14	21°18	0♄41	16°31	5°26	24°54	13°59	6°15	1°46	9°17	11°39	11°42	5° 9	6°24	
M29	0 32 50	6°16'20	5♄ 0	1°25	17°41	6° 8	25° 5	13°57	6°16	1°44	9°18	11°39	11°39	5°15	6°31	
T30	0 36 46	7°15'29	18♄28	2♄ 5	18♄51	6♄51	25°16	13°≈55	6♄17	1°43	9♄19	11°≈38	11°≈36	5♄22	6♄39	

Delta T = 7.43 sec.

Greg. Calendar

OCTOBER 1698GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
W 1	0 40 43	8♄14'40	1♄41	2♄41	20♄ 1	7♄34	25♄27	13°R54	6♄17	1°R41	9♄20	11°R37	11°≈32	5♄29	6♄47	
T 2	0 44 39	9°13'53	14°41	3°11	21°11	8°16	25°38	13°≈52	6°18	1°Y39	9°21	11°≈37	11°29	5°35	6°55	
F 3	0 48 36	10°13'08	27°27	3°37	22°21	8°59	25°49	13°51	6°18	1°38	9°23	11°37	11°26	5°42	7° 2	
S 4	0 52 32	11°12'25	10♄ 0	3°57	23°31	9°42	26° 0	13°49	6°19	1°36	9°23	11°37	11°23	5°49	7°10	
S 5	0 56 29	12°11'45	22°21	4°11	24°40	10°25	26°11	13°48	6°19	1°35	9°24	11°37	11°20	5°55	7°18	
M 6	1 0 25	13°11'06	4♄32	4°R18	25°50	11° 8	26°23	13°47	6°20	1°33	9°25	11°37	11°17	6° 2	7°25	
T 7	1 4 22	14°10'30	16°33	4°18	26°59	11°51	26°34	13°45	6°20	1°31	9°26	11°37	11°13	6° 9	7°33	
W 8	1 8 19	15° 9'55	28°27	4°10	28° 8	12°34	26°46	13°44	6°20	1°30	9°27	11°36	11°10	6°16	7°40	
T 9	1 12 15	16° 9'23	10♄18	3°54	29°18	13°18	26°57	13°43	6°20	1°28	9°28	11°36	11° 7	6°22	7°48	
F10	1 16 12	17° 8'52	22° 8	3°30	0♄27	14° 1	27° 9	13°43	6°20	1°26	9°29	11°35	11° 4	6°29	7°55	
S11	1 20 8	18° 8'23	4♄ 2	2°58	1°36	14°45	27°21	13°42	6°20	1°25	9°30	11°35	11° 1	6°36	8° 2	
S12	1 24 5	19° 7'56	16° 5	2°17	2°45	15°28	27°32	13°41	6°R20	1°23	9°31	11°D34	10°57	6°42	8°10	
M13	1 28 1	20° 7'30	28°20	1°28	3°54	16°12	27°44	13°41	6°20	1°22	9°31	11°34	10°54	6°49	8°17	
T14	1 31 58	21° 7'07	10≈53	0°31	5° 2	16°56	27°56	13°40	6°20	1°20	9°32	11°35	10°51	6°56	8°24	
W15	1 35 54	22° 6'45	23°46	29≈27	6°11	17°39	28° 8	13°40	6°20	1°19	9°33	11°36	10°48	7° 2	8°31	
T16	1 39 51	23° 6'24	7♁ 4	28°18	7°20	18°23	28°20	13°40	6°20	1°17	9°34	11°37	10°45	7° 9	8°38	
F17	1 43 48	24° 6'06	20°48	27° 5	8°28	19° 7	28°32	13°40	6°20	1°16	9°34	11°38	10°42	7°16	8°45	
S18	1 47 44	25° 5'49	4♄57	25°50	9°36	19°51	28°45	13°D40	6°19	1°14	9°35	11°R38	10°38	7°22	8°52	
S19	1 51 41	26° 5'35	19°28	24°35	10°44	20°36	28°57	13°40	6°19	1°13	9°35	11°38	10°35	7°29	8°59	
M20	1 55 37	27° 5'22	4♁16	23°22	11°52	21°20	29° 9	13°40	6°19	1°11	9°36	11°38	10°32	7°36	9° 6	
T21	1 59 34	28° 5'11	19♄13	22°14	13° 0	22° 4	29°21	13°40	6°18	1°10	9°37	11°36	10°29	7°43	9°12	
W22	2 3 30	29° 5'03	4♄12	21°13	14° 8	22°48	29°34	13°41	6°18	1° 8	9°37	11°34	10°26	7°49	9°19	
T23	2 7 27	0♄ 4'56	19° 2	20°20	15°15	23°33	29°46	13°41	6°17	1° 7	9°38	11°31	10°23	7°56	9°26	
F24	2 11 23	1° 4'52	3♄39	19°37	16°23	24°17	29°59	13°42	6°16	1° 5	9°38	11°29	10°19	8° 3	9°32	
S25	2 15 20	2° 4'50	17°56	19° 5	17°30	25° 2	0♄11	13°42	6°16	1° 4	9°39	11°28	10°16	8° 9	9°39	
S26	2 19 17	3° 4'50	1♄52	18°44	18°37	25°47	0°24	13°43	6°15	1° 3	9°39	11°D27	10°13	8°16	9°45	
M27	2 23 13	4° 4'53	15°26	18°D35	19°44	26°31	0°37	13°44	6°14	1° 1	9°39	11°28	10°10	8°23	9°51	
T28	2 27 10	5° 4'57	28°40	18°38	20°51	27°16	0°49	13°45	6°13	1° 0	9°40	11°29	10° 7	8°29	9°58	
W29	2 31 6	6° 5'04	11♄36	18°51	21°58	28° 1	1° 2	13°46	6°13	0°59	9°40	11°30	10° 3	8°36	10° 4	
T30	2 35 3	7° 5'13	24°16	19°15	23° 4	28°46	1°15	13°47	6°12	0°58	9°41	11°32	10° 0	8°43	10°10	
F31	2 38 59	8♄ 5'23	6♄43	19≈48	24♄11	29♄31	1♄28	13≈49	6♄11	0°Y56	9♄41	11°R33	9≈57	8♄50	10♄16	

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SWISS EPHEMERIS for the year 1698

NOVEMBER 1698GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	2 42 56	9♏ 5'36	18♌59	20♌29	25♌17	0♈16	1♌41	13♏50	6°R10	0°R55	9♏41	11°R33	9♏54	8♌56	10♐22
S 2	2 46 52	10° 5'51	1♏ 7	21°19	26°23	1° 1	1°54	13°52	6♌ 9	0°Y54	9°41	11♌31	9°51	9° 3	10°28
M 3	2 50 49	11° 6'07	13° 7	22°15	27°28	1°46	2° 7	13°53	6° 7	0°53	9°42	11°28	9°48	9°10	10°33
T 4	2 54 46	12° 6'25	25° 3	23°17	28°34	2°32	2°20	13°55	6° 6	0°51	9°42	11°23	9°44	9°16	10°39
W 5	2 58 42	13° 6'45	6♌55	24°24	29°39	3°17	2°33	13°57	6° 5	0°50	9°42	11°18	9°41	9°23	10°45
T 6	3 2 39	14° 7'07	18°45	25°36	0♈44	4° 2	2°46	13°59	6° 4	0°49	9°42	11°11	9°38	9°30	10°50
F 7	3 6 35	15° 7'30	0♈36	26°52	1°49	4°48	2°59	14° 1	6° 2	0°48	9°42	11° 5	9°35	9°37	10°56
S 8	3 10 32	16° 7'55	12°30	28°11	2°54	5°33	3°12	14° 3	6° 1	0°47	9°42	11° 0	9°32	9°43	11° 1
S 9	3 14 28	17° 8'21	24°31	29°33	3°58	6°19	3°25	14° 5	6° 0	0°46	9°42	10°56	9°28	9°50	11° 7
M10	3 18 25	18° 8'49	6♏43	0♏57	5° 3	7° 4	3°38	14° 7	5°58	0°45	9°R42	10°53	9°25	9°57	11°12
T 11	3 22 21	19° 9'17	19°10	2°23	6° 6	7°50	3°52	14°10	5°57	0°44	9°42	10°D53	9°22	10° 3	11°17
W12	3 26 18	20° 9'48	1♌56	3°51	7°10	8°36	4° 5	14°12	5°55	0°43	9°42	10°53	9°19	10°10	11°22
T 13	3 30 15	21°10'19	15° 6	5°20	8°13	9°22	4°18	14°15	5°54	0°42	9°42	10°55	9°16	10°17	11°27
F 14	3 34 11	22°10'52	28°43	6°50	9°16	10° 7	4°32	14°17	5°52	0°41	9°42	10°56	9°13	10°23	11°32
S 15	3 38 8	23°11'26	12°Y48	8°21	10°19	10°53	4°45	14°20	5°50	0°40	9°42	10°R57	9° 9	10°30	11°36
S 16	3 42 4	24°12'01	27°21	9°53	11°21	11°39	4°58	14°23	5°49	0°40	9°42	10°55	9° 6	10°37	11°41
M17	3 46 1	25°12'37	12♌17	11°26	12°24	12°25	5°12	14°26	5°47	0°39	9°42	10°52	9° 3	10°44	11°46
T 18	3 49 57	26°13'15	27°29	12°59	13°25	13°11	5°25	14°29	5°45	0°38	9°41	10°47	9° 0	10°50	11°50
W19	3 53 54	27°13'55	12♏47	14°32	14°27	13°57	5°38	14°32	5°43	0°37	9°41	10°40	8°57	10°57	11°55
T 20	3 57 50	28°14'36	28° 0	16° 5	15°28	14°43	5°52	14°35	5°41	0°36	9°41	10°33	8°54	11° 4	11°59
F 21	4 1 47	29°15'18	12♌58	17°39	16°28	15°29	6° 5	14°39	5°39	0°36	9°41	10°26	8°50	11°10	12° 3
S 22	4 5 44	0♌16'02	27°32	19°13	17°28	16°15	6°19	14°42	5°37	0°35	9°40	10°20	8°47	11°17	12° 7
S 23	4 9 40	1°16'48	11♏39	20°47	18°28	17° 2	6°32	14°46	5°35	0°34	9°40	10°16	8°44	11°24	12°11
M24	4 13 37	2°17'35	25°18	22°21	19°28	17°48	6°46	14°49	5°33	0°34	9°40	10°14	8°41	11°31	12°15
T 25	4 17 33	3°18'23	8♐30	23°55	20°27	18°34	6°59	14°53	5°31	0°33	9°39	10°D14	8°38	11°37	12°19
W26	4 21 30	4°19'14	21°19	25°29	21°25	19°21	7°13	14°57	5°29	0°33	9°39	10°15	8°34	11°44	12°22
T 27	4 25 26	5°20'05	3♌49	27° 3	22°23	20° 7	7°26	15° 1	5°27	0°32	9°38	10°R15	8°31	11°51	12°26
F 28	4 29 23	6°20'58	16° 4	28°37	23°21	20°53	7°40	15° 5	5°25	0°32	9°38	10°15	8°28	11°57	12°29
S 29	4 33 19	7°21'52	28° 9	0♌11	24°18	21°40	7°53	15° 9	5°23	0°31	9°37	10°14	8°25	12° 4	12°33
S 30	4 37 16	8♌22'48	10♏ 6	1♌45	25♌14	22♌26	8♌ 7	15♏13	5♌21	0°Y31	9♏37	10♌ 9	8♌22	12♌11	12♐36

Delta T = 7.43 sec. Greg. Calendar

DECEMBER 1698GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
M 1	4 41 13	9♌23'44	22♏ 0	3♌19	26♌10	23♌13	8♌20	15♏17	5°R18	0°R31	9°R36	10°R 2	8♌19	12♌17	12♐39
T 2	4 45 9	10°24'42	3♌51	4°53	27° 6	23°59	8°34	15°21	5♌16	0°Y30	9♏36	9♌52	8°15	12°24	12°42
W 3	4 49 6	11°25'41	15°42	6°27	28° 0	24°46	8°47	15°26	5°14	0°30	9°35	9°41	8°12	12°31	12°45
T 4	4 53 2	12°26'41	27°34	8° 1	28°54	25°33	9° 1	15°30	5°12	0°30	9°34	9°28	8° 9	12°38	12°48
F 5	4 56 59	13°27'42	9♌28	9°35	29°48	26°19	9°14	15°34	5° 9	0°29	9°34	9°15	8° 6	12°44	12°51
S 6	5 0 55	14°28'43	21°27	11° 9	0♏41	27° 6	9°28	15°39	5° 7	0°29	9°33	9° 3	8° 3	12°51	12°53
S 7	5 4 52	15°29'45	3♏32	12°43	1°33	27°53	9°41	15°44	5° 5	0°29	9°32	8°54	8° 0	12°58	12°56
M 8	5 8 48	16°30'48	15°46	14°17	2°24	28°40	9°55	15°48	5° 2	0°29	9°32	8°46	7°56	13° 4	12°58
T 9	5 12 45	17°31'51	28°11	15°52	3°15	29°26	10° 8	15°53	5° 0	0°29	9°31	8°42	7°53	13°11	13° 0
W10	5 16 42	18°32'55	10♌53	17°26	4° 5	0♏13	10°22	15°58	4°57	0°29	9°30	8°40	7°50	13°18	13° 2
T 11	5 20 38	19°33'59	23°54	19° 1	4°54	1° 0	10°35	16° 3	4°55	0°D29	9°29	8°D40	7°47	13°25	13° 4
F 12	5 24 35	20°35'04	7°Y20	20°35	5°42	1°47	10°49	16° 8	4°52	0°29	9°29	8°R41	7°44	13°31	13° 6
S 13	5 28 31	21°36'08	21°12	22°10	6°30	2°34	11° 2	16°13	4°50	0°29	9°28	8°40	7°40	13°38	13° 8
S 14	5 32 28	22°37'14	5♌32	23°45	7°16	3°21	11°15	16°18	4°47	0°29	9°27	8°38	7°37	13°45	13°10
M15	5 36 24	23°38'19	20°18	25°20	8° 1	4° 7	11°29	16°24	4°45	0°29	9°26	8°32	7°34	13°51	13°11
T 16	5 40 21	24°39'25	5♏26	26°55	8°45	4°54	11°42	16°29	4°42	0°29	9°25	8°24	7°31	13°58	13°13
W17	5 44 17	25°40'31	20°45	28°30	9°29	5°41	11°56	16°34	4°40	0°29	9°24	8°14	7°28	14° 5	13°14
T 18	5 48 14	26°41'38	6♌ 5	0♈ 6	10°11	6°28	12° 9	16°40	4°37	0°30	9°23	8° 3	7°25	14°12	13°15
F 19	5 52 11	27°42'45	21°14	1°42	10°52	7°15	12°22	16°45	4°35	0°30	9°22	7°52	7°21	14°18	13°16
S 20	5 56 7	28°43'53	6♏ 2	3°18	11°32	8° 2	12°36	16°51	4°32	0°30	9°21	7°42	7°18	14°25	13°17
S 21	6 0 4	29°45'01	20°22	4°54	12°10	8°49	12°49	16°56	4°29	0°30	9°20	7°34	7°15	14°32	13°18
M22	6 4 0	0♈46'10	4♐11	6°31	12°47	9°36	13° 2	17° 2	4°27	0°31	9°19	7°30	7°12	14°38	13°19
T 23	6 7 57	1°47'19	17°31	8° 7	13°23	10°23	13°15	17° 8	4°24	0°31	9°18	7°28	7° 9	14°45	13°19
W24	6 11 53	2°48'28	0♌23	9°44	13°58	11°10	13°28	17°14	4°22	0°32	9°17	7°27	7° 6	14°52	13°20
T 25	6 15 50	3°49'38	12°53	11°21	14°31	11°57	13°42	17°20	4°19	0°32	9°16	7°27	7° 2	14°59	13°20
F 26	6 19 46	4°50'49	25° 6	12°59	15° 3	12°44	13°55	17°25	4°16	0°33	9°15	7°26	6°59	15° 5	13°20
S 27	6 23 43	5°52'00	7♏ 6	14°36	15°33	13°31	14° 8	17°31	4°14	0°33	9°14	7°23	6°56	15°12	13°R20
S 28	6 27 40	6°53'11	18°59	16°14	16° 1	14°18	14°21	17°37	4°11	0°34	9°13	7°18	6°53	15°19	13°20
M29	6 31 36	7°54'23	0♌49	17°52	16°28	15° 6	14°34	17°44	4° 9	0°34	9°11	7°10	6°50	15°25	13°20
T 30	6 35 33	8°55'34	12°39	19°30	16°53	15°53	14°47	17°50	4° 6	0°35	9°10	6°58	6°46	15°32	13°20
W31	6 39 29	9♌56'46	24♌31	21♌ 8	17♏16	16♏40	15♌ 0	17♏56	4♌ 4	0°Y35	9♏ 9	6♌44	6♌43	15♌39	13♐20

Delta T = 7.43 sec. Greg. Calendar

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