

SWISS EPHEMERIS for the year 1698

JANUARY 1698 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂
W 1	6 44 23	11 ³ 12'59	4 ¹¹ 45	10 ³ 51	15 ² 36	5 ² 19	20 ¹¹ 16	7 ² 37	29 ¹ R21	28 ¹ K24	7 ¹ R33	26 ¹ R32	26 ¹ 0	5 ¹¹ 8	25 ¹ R57
T 2	6 48 20	12 ¹ 14'09	17 ¹ 19	12 ² 28	16 ¹ 51	5 ² 42	20 ² 26	7 ¹ 44	29 ¹ II18	28 ² 25	7 ¹ Q32	26 ¹ Q27	25 ² 57	5 ¹ 15	25 ¹ Q55
F 3	6 52 17	13 ¹ 15'18	29 ¹ 34	14 ¹ 6	18 ¹ 6	6 ¹ 5	20 ² 36	7 ¹ 50	29 ¹ 16	28 ² 25	7 ¹ 30	26 ¹ Q24	25 ² 54	5 ¹ 22	25 ¹ Q52
S 4	6 56 13	14 ¹ 16'27	11 ¹ Q34	15 ¹ 44	19 ¹ 20	6 ¹ 28	20 ² 47	7 ¹ 57	29 ¹ 13	28 ² 26	7 ¹ 29	26 ¹ D24	25 ² 50	5 ¹ 28	25 ¹ Q49
S 5	7 0 10	15 ¹ 17'37	23 ² 24	17 ² 23	20 ² 35	6 ¹ 50	20 ² 57	8 ¹ 4	29 ¹ 11	28 ² 27	7 ¹ 28	26 ¹ R24	25 ² 47	5 ¹ 35	25 ¹ Q47
M 6	7 4 6	16 ¹ 18'46	5 ¹¹ 11	19 ¹ 2	21 ¹ 50	7 ¹ 12	21 ¹ 7	8 ¹ 11	29 ¹ 8	28 ² 28	7 ¹ 27	26 ¹ Q23	25 ² 44	5 ¹ 42	25 ¹ Q44
T 7	7 8 3	17 ¹ 19'56	17 ¹ 0	20 ² 42	23 ¹ 5	7 ¹ 34	21 ¹ 17	8 ¹ 18	29 ¹ 6	28 ² 29	7 ¹ 25	26 ¹ Q22	25 ² 41	5 ¹ 48	25 ¹ Q41
W 8	7 11 59	18 ¹ 21'05	28 ¹ 55	22 ² 22	24 ² 20	7 ¹ 55	21 ² 27	8 ¹ 24	29 ¹ 4	28 ² 30	7 ¹ 24	26 ¹ Q18	25 ² 38	5 ¹ 55	25 ¹ Q38
T 9	7 15 56	19 ¹ 22'14	11 ¹ Q2	24 ² 2	25 ² 35	8 ¹ 16	21 ² 36	8 ¹ 31	29 ¹ 1	28 ² 31	7 ¹ 23	26 ¹ Q11	25 ² 34	6 ¹ 1	25 ¹ Q35
F 10	7 19 52	20 ¹ 23'23	23 ² 23	25 ² 43	26 ² 50	8 ¹ 37	21 ² 46	8 ¹ 38	28 ² 59	28 ² 32	7 ¹ 21	26 ¹ 1	25 ² 31	6 ¹ 8	25 ¹ Q31
S 11	7 23 49	21 ¹ 24'32	6 ¹ Q0	27 ² 24	28 ² 5	8 ¹ 57	21 ² 56	8 ¹ 45	28 ² 57	28 ² 33	7 ¹ 20	25 ² 49	25 ² 28	6 ¹ 15	25 ¹ Q28
S 12	7 27 46	22 ¹ 25'40	18 ² 54	29 ² 6	29 ² 20	9 ¹ 17	22 ² 5	8 ¹ 52	28 ² 54	28 ² 35	7 ¹ 19	25 ² 36	25 ² 25	6 ¹ 21	25 ¹ Q25
M13	7 31 42	23 ¹ 26'47	2 ¹ Q4	0 ¹ Q48	0 ¹ Q34	9 ¹ 36	22 ² 14	8 ¹ 59	28 ² 52	28 ² 36	7 ¹ 17	25 ² 22	25 ² 22	6 ¹ 28	25 ¹ Q21
T 14	7 35 39	24 ¹ 27'54	15 ² 27	2 ² 30	1 ¹ 49	9 ¹ 56	22 ² 24	9 ¹ 6	28 ² 50	28 ² 37	7 ¹ 16	25 ² 9	25 ² 19	6 ¹ 35	25 ¹ Q18
W15	7 39 35	25 ¹ 29'01	29 ² 2	4 ¹ 13	3 ¹ 4	10 ¹ 14	22 ² 33	9 ¹ 13	28 ² 47	28 ² 38	7 ¹ 15	24 ² 58	25 ² 15	6 ¹ 41	25 ¹ Q14
T 16	7 43 32	26 ¹ 30'06	12 ¹ K46	5 ¹ 55	4 ¹ 19	10 ¹ 33	22 ² 42	9 ¹ 20	28 ² 45	28 ² 39	7 ¹ 13	24 ² 50	25 ² 12	6 ¹ 48	25 ¹ Q10
F 17	7 47 28	27 ¹ 31'10	26 ² 37	7 ¹ 38	5 ¹ 34	10 ¹ 51	22 ² 51	9 ¹ 27	28 ² 43	28 ² 41	7 ¹ 12	24 ² 46	25 ² 9	6 ¹ 55	25 ¹ Q6
S 18	7 51 25	28 ¹ 32'13	10 ¹ V33	9 ¹ 21	6 ¹ 49	11 ¹ 8	22 ² 59	9 ¹ 34	28 ² 41	28 ² 42	7 ¹ 11	24 ² 44	25 ² 6	7 ¹ 1	25 ¹ Q3
S 19	7 55 21	29 ¹ 33'16	24 ² 34	11 ¹ 3	8 ¹ 4	11 ¹ 25	23 ² 8	9 ¹ 42	28 ² 39	28 ² 43	7 ¹ 9	24 ² 43	25 ² 3	7 ¹ 8	24 ¹ Q59
M20	7 59 18	0 ¹ Q34'17	8 ¹ Q38	12 ² 46	9 ¹ 19	11 ¹ 42	23 ² 16	9 ¹ 49	28 ² 37	28 ² 45	7 ¹ 8	24 ² 43	25 ² 0	7 ¹ 15	24 ¹ Q55
T 21	8 3 15	1 ¹ 35'17	22 ² 46	14 ² 27	10 ² 34	11 ¹ 58	23 ² 25	9 ¹ 56	28 ² 35	28 ² 46	7 ¹ 6	24 ² 42	24 ² 56	7 ¹ 21	24 ¹ Q51
W22	8 7 11	2 ¹ 36'16	6 ¹ II56	16 ¹ 8	11 ¹ 49	12 ¹ 14	23 ² 33	10 ¹ 3	28 ² 33	28 ² 48	7 ¹ 5	24 ² 38	24 ² 53	7 ¹ 28	24 ¹ Q47
T 23	8 11 8	3 ¹ 37'13	21 ¹ 6	17 ¹ 48	13 ¹ 4	12 ¹ 29	23 ² 41	10 ¹ 10	28 ² 31	28 ² 49	7 ¹ 4	24 ² 32	24 ² 50	7 ¹ 35	24 ¹ Q42
F 24	8 15 4	4 ¹ 38'10	5 ¹ Q12	19 ¹ 27	14 ¹ 19	12 ¹ 44	23 ² 49	10 ¹ 17	28 ² 29	28 ² 50	7 ¹ 2	24 ² 23	24 ² 47	7 ¹ 41	24 ¹ Q38
S 25	8 19 1	5 ¹ 39'05	19 ¹ 11	21 ¹ 4	15 ¹ 34	12 ¹ 58	23 ² 57	10 ¹ 24	28 ² 27	28 ² 52	7 ¹ 1	24 ² 11	24 ² 44	7 ¹ 48	24 ¹ Q34
S 26	8 22 57	6 ¹ 40'00	2 ¹ Q58	22 ² 39	16 ¹ 49	13 ¹ 12	24 ² 5	10 ¹ 32	28 ² 25	28 ² 53	6 ¹ 59	23 ² 59	24 ² 40	7 ¹ 55	24 ¹ Q30
M27	8 26 54	7 ¹ 40'53	16 ² 28	24 ² 11	18 ¹ 3	13 ¹ 25	24 ² 12	10 ¹ 39	28 ² 23	28 ² 55	6 ¹ 58	23 ² 46	24 ² 37	8 ¹ 1	24 ¹ Q25
T 28	8 30 50	8 ¹ 41'45	29 ² 40	25 ² 41	19 ¹ 18	13 ¹ 38	24 ² 20	10 ¹ 46	28 ² 21	28 ² 57	6 ¹ 57	23 ² 35	24 ² 34	8 ¹ 8	24 ¹ Q21
W29	8 34 47	9 ¹ 42'36	12 ¹ Q31	27 ¹ 6	20 ¹ 33	13 ¹ 51	24 ² 27	10 ¹ 53	28 ² 19	28 ² 58	6 ¹ 55	23 ² 26	24 ² 31	8 ¹ 14	24 ¹ Q16
T 30	8 38 44	10 ¹ 43'26	25 ² 3	28 ² 28	21 ¹ 48	14 ¹ 2	24 ² 34	11 ¹ 0	28 ² 18	29 ¹ 0	6 ¹ 54	23 ² 20	24 ² 28	8 ¹ 21	24 ¹ Q12
F 31	8 42 40	11 ¹ Q44'15	7 ¹ Q17	29 ² Q44	23 ¹ Q3	14 ¹ Q14	24 ² Q41	11 ¹ Q7	28 ² II16	29 ¹ K2	6 ¹ Q52	23 ¹ Q17	24 ¹ Q25	8 ¹ Q28	24 ¹ Q7

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	23s 0	6n 5	3s58	24s51	1s49	21s46	0n57	0n 6	2n25	16s54	0n59	19s 7	0s45	23n43	0n15	1s56	1s24	24n33	6n21	10s15	10s 3	12s29	6n19	6s58
T 2	22 55	2 4	3 12	24 45	1 52	21 56	0 54	0s 2	2 26	16 56	0 59	19 6	0 45	23 43	0 15	1 55	1 24	24 33	6 22	10 13	10 2	12 30	6 20	6 59
F 3	22 49	1s56	2 17	24 38	1 55	22 5	0 52	0 10	2 27	16 59	0 59	19 4	0 45	23 43	0 15	1 55	1 24	24 34	6 22	10 12	10 1	12 32	6 20	6 59
S 4	22 43	5 46	1 18	24 30	1 58	22 14	0 49	0 18	2 28	17 2	0 59	19 2	0 45	23 43	0 15	1 54	1 24	24 34	6 22	10 12	10 0	12 33	6 21	6 59
S 5	22 36	9 21	0 16	24 20	2 0	22 22	0 46	0 26	2 29	17 4	0 59	19 0	0 45	23 43	0 15	1 54	1 24	24 35	6 22	10 12	9 59	12 35	6 21	7 0
M 6	22 29	12 32	0n47	24 8	2 2	22 30	0 44	0 34	2 30	17 7	0 59	18 59	0 45	23 43	0 15	1 54	1 24	24 35	6 22	10 12	9 58	12 36	6 22	7 0
T 7	22 21	15 14	1 47	23 55	2 4	22 36	0 41	0 42	2 31	17 9	0 59	18 57	0 45	23 43	0 15	1 53	1 24	24 36	6 22	10 11	9 56	12 37	6 22	7 1
W 8	22 13	17 18	2 43	23 40	2 5	22 43	0 39	0 49	2 32	17 12	0 59	18 55	0 45	23 43	0 15	1 53	1 24	24 36	6 22	10 10	9 55	12 39	6 23	7 1
T 9	22 4	18 37	3 33	23 24	2 6	22 48	0 36	0 57	2 33	17 14	0 59	18 53	0 45	23 43	0 15	1 52	1 24	24 37	6 23	10 7	9 54	12 40	6 24	7 1
F 10	21 56	19 5	4 14	23 6	2 6	22 53	0 33	1 4	2 34	17 17	1 0	18 52	0 46	23 43	0 15	1 52	1 24	24 37	6 23	10 4	9 53	12 41	6 24	7 2
S 11	21 46	18 38	4 43	22 46	2 6	22 57	0 31	1 11	2 35	17 19	1 0	18 50	0 46	23 43	0 15	1 51	1 24	24 38	6 23	9 59	9 52	12 43	6 25	7 2
S 12	21 36	17 13	4 58	22 25	2 5	23 0	0 28	1 18	2 36	17 21	1 0	18 48	0 46	23 43	0 15	1 51	1 24	24 38	6 23	9 55	9 51	12 44	6 26	7 3
M13	21 26	14 53	4 58	22 2	2 4	23 3	0 25	1 25	2 36	17 24	1 0	18 46	0 46	23 43	0 15	1 50	1 24	24 39	6 23	9 49	9 50	12 45	6 27	7 3
T 14	21 16	11 44	4 42	21 37	2 3	23 5	0 23	1 31	2 37	17 26	1 0	18 44	0 46	23 43	0 15	1 50	1 24	24 39	6 23	9 45	9 48	12 47	6 28	7 3
W15	21 5	7 56	4 9	21 11	2 1	23 6	0 20	1 38	2 38	17 28	1 0	18 43	0 46	23 43	0 15	1 49	1 24	24 40	6 23	9 41	9 47	12 48	6 28	7 3
T 16	20 53	3 40	3 22	20 44	1 58	23 7	0 17	1 44	2 39	17 30	1 0	18 41	0 46	23 43	0 15	1 49	1 24	24 40	6 23	9 38	9 46	12 50	6 29	7 4
F 17	20 41	0n50	2 23	20 15	1 55	23 7	0 15	1 50	2 40	17 32	1 0	18 39	0 46	23 43	0 15	1 48	1 24	24 40	6 24	9 36	9 45	12 51	6 30	7 4
S 18	20 29	5 19	1 14	19 44	1 51	23 6	0 12	1 56	2 41	17 35	1 0	18 37	0 46</											

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S 1	8 46 37	12 ⁴⁵ 04	19 ¹⁸ 18	0 ⁵⁵ 55	24 ¹⁸ 18	14 ²⁴ 24	24 ⁴⁸ 48	11 ¹⁵ 15	28 ¹⁴ 14	29 ³ 3	6 ⁵¹ 51	23 ¹⁵ 15	24 ²¹ 21	8 ³⁴ 34	24 ³ 3								
S 2	8 50 33	13 ⁴⁵ 51	1 ¹⁰ 10	1 ⁵⁹ 59	25 ³³ 33	14 ³⁴ 34	24 ⁵⁵ 55	11 ²² 22	28 ¹³ 13	29 ⁵ 5	6 ⁵⁰ 50	23 ¹⁵ 15	24 ¹⁸ 18	8 ⁴¹ 41	23 ⁵⁸ 58								
M 3	8 54 30	14 ⁴⁶ 37	12 ⁵⁸ 58	2 ⁵⁶ 56	26 ⁴⁸ 48	14 ⁴⁴ 44	25 ² 2	11 ²⁹ 29	28 ¹¹ 11	29 ⁷ 7	6 ⁴⁸ 48	23 ¹⁶ 16	24 ¹⁵ 15	8 ⁴⁸ 48	23 ⁵⁴ 54								
T 4	8 58 26	15 ⁴⁷ 22	24 ⁴⁸ 48	3 ⁴⁶ 46	28 ³ 3	14 ⁵³ 53	25 ⁸ 8	11 ³⁶ 36	28 ¹⁰ 10	29 ⁸ 8	6 ⁴⁷ 47	23 ¹⁵ 15	24 ¹² 12	8 ⁵⁴ 54	23 ⁴⁹ 49								
W 5	9 2 23	16 ⁴⁸ 06	6 ⁴⁴ 44	4 ²⁶ 26	29 ¹⁸ 18	15 ¹ 1	25 ¹⁵ 15	11 ⁴³ 43	28 ⁸ 8	29 ¹⁰ 10	6 ⁴⁵ 45	23 ¹³ 13	24 ⁹ 9	9 ¹ 1	23 ⁴⁴ 44								
T 6	9 6 19	17 ⁴⁸ 49	18 ⁵⁴ 54	4 ⁵⁷ 57	0 ³³ 33	15 ⁹ 9	25 ²¹ 21	11 ⁵⁰ 50	28 ⁷ 7	29 ¹² 12	6 ⁴⁴ 44	23 ⁹ 9	24 ⁶ 6	9 ⁸ 8	23 ⁴⁰ 40								
F 7	9 10 16	18 ⁴⁹ 31	1 ¹⁹ 19	5 ¹⁸ 18	1 ⁴⁸ 48	15 ¹⁶ 16	25 ²⁷ 27	11 ⁵⁸ 58	28 ⁵ 5	29 ¹⁴ 14	6 ⁴³ 43	23 ² 2	24 ² 2	9 ¹⁴ 14	23 ³⁵ 35								
S 8	9 14 13	19 ⁵⁰ 12	14 ⁵ 5	5 ²⁹ 29	3 ³ 3	15 ²² 22	25 ³³ 33	12 ⁵ 5	28 ⁴ 4	29 ¹⁶ 16	6 ⁴¹ 41	22 ⁵³ 53	23 ⁵⁹ 59	9 ²¹ 21	23 ³⁰ 30								
S 9	9 18 9	20 ⁵⁰ 52	27 ¹¹ 11	5 ³⁰ 30	4 ¹⁸ 18	15 ²⁸ 28	25 ³⁸ 38	12 ¹² 12	28 ³ 3	29 ¹⁸ 18	6 ⁴⁰ 40	22 ⁴² 42	23 ⁵⁶ 56	9 ²⁸ 28	23 ²⁵ 25								
M 10	9 22 6	21 ⁵¹ 30	10 ³⁸ 38	5 ¹⁹ 19	5 ³³ 33	15 ³³ 33	25 ⁴⁴ 44	12 ¹⁹ 19	28 ² 2	29 ¹⁹ 19	6 ³⁹ 39	22 ³¹ 31	23 ⁵³ 53	9 ³⁴ 34	23 ²¹ 21								
T 11	9 26 2	22 ⁵² 06	24 ²⁴ 24	4 ⁵⁹ 59	6 ⁴⁷ 47	15 ³⁷ 37	25 ⁴⁹ 49	12 ²⁶ 26	28 ⁰ 0	29 ²¹ 21	6 ³⁷ 37	22 ²¹ 21	23 ⁵⁰ 50	9 ⁴¹ 41	23 ¹⁶ 16								
W 12	9 29 59	23 ⁵² 41	8 ²⁵ 25	4 ²⁹ 29	8 ² 2	15 ⁴¹ 41	25 ⁵⁵ 55	12 ³³ 33	27 ⁵⁹ 59	29 ²³ 23	6 ³⁶ 36	22 ¹² 12	23 ⁴⁶ 46	9 ⁴⁸ 48	23 ¹¹ 11								
T 13	9 33 55	24 ⁵³ 15	22 ³⁷ 37	3 ⁴⁹ 49	9 ¹⁷ 17	15 ⁴⁴ 44	26 ⁰ 0	12 ⁴⁰ 40	27 ⁵⁸ 58	29 ²⁵ 25	6 ³⁵ 35	22 ⁶ 6	23 ⁴³ 43	9 ⁵⁴ 54	23 ⁶ 6								
F 14	9 37 52	25 ⁵³ 47	6 ⁴⁷ 47	3 ¹ 1	10 ³² 32	15 ⁴⁶ 46	26 ⁴ 4	12 ⁴⁷ 47	27 ⁵⁷ 57	29 ²⁷ 27	6 ³³ 33	22 ³ 3	23 ⁴⁰ 40	10 ¹ 1	23 ² 2								
S 15	9 41 48	26 ⁵⁴ 17	21 ¹¹ 11	2 ⁷ 7	11 ⁴⁷ 47	15 ⁴⁸ 48	26 ⁹ 9	12 ⁵⁴ 54	27 ⁵⁶ 56	29 ²⁹ 29	6 ³² 32	22 ^{D 2} D 2	23 ³⁷ 37	10 ⁸ 8	22 ⁵⁷ 57								
S 16	9 45 45	27 ⁵⁴ 45	5 ²⁶ 26	1 ⁷ 7	13 ² 2	15 ⁴⁹ 49	26 ¹⁴ 14	13 ¹ 1	27 ⁵⁵ 55	29 ³¹ 31	6 ³¹ 31	22 ² 2	23 ³⁴ 34	10 ¹⁴ 14	22 ⁵² 52								
M 17	9 49 42	28 ⁵⁵ 11	19 ³⁷ 37	0 ⁴ 4	14 ¹⁷ 17	15 ^{R 49} R 49	26 ¹⁸ 18	13 ⁸ 8	27 ⁵⁴ 54	29 ³³ 33	6 ²⁹ 29	22 ³ 3	23 ³¹ 31	10 ²¹ 21	22 ⁴⁷ 47								
T 18	9 53 38	29 ⁵⁵ 35	3 ⁴² 42	28 ⁵⁸ 58	15 ³² 32	15 ⁴⁹ 49	26 ²² 22	13 ¹⁵ 15	27 ⁵³ 53	29 ³⁵ 35	6 ²⁸ 28	22 ^{R 3} R 3	23 ²⁷ 27	10 ²⁷ 27	22 ⁴³ 43								
W 19	9 57 35	0 ⁵⁵ 57	17 ⁴¹ 41	27 ⁵² 52	16 ⁴⁷ 47	15 ⁴⁷ 47	26 ²⁶ 26	13 ²² 22	27 ⁵³ 53	29 ³⁷ 37	6 ²⁷ 27	22 ² 2	23 ²⁴ 24	10 ³⁴ 34	22 ³⁸ 38								
T 20	10 1 31	1 ⁵⁶ 18	1 ³¹ 31	26 ⁴⁷ 47	18 ¹ 1	15 ⁴⁵ 45	26 ³⁰ 30	13 ²⁹ 29	27 ⁵² 52	29 ³⁹ 39	6 ²⁶ 26	21 ⁵⁸ 58	23 ²¹ 21	10 ⁴¹ 41	22 ³³ 33								
F 21	10 5 28	2 ⁵⁶ 36	15 ¹³ 13	25 ⁴⁵ 45	19 ¹⁶ 16	15 ⁴² 42	26 ³⁴ 34	13 ³⁶ 36	27 ⁵¹ 51	29 ⁴¹ 41	6 ²⁴ 24	21 ⁵³ 53	23 ¹⁸ 18	10 ⁴⁷ 47	22 ²⁹ 29								
S 22	10 9 24	3 ⁵⁶ 52	28 ⁴⁵ 45	24 ⁴⁷ 47	20 ³¹ 31	15 ³⁹ 39	26 ³⁸ 38	13 ⁴³ 43	27 ⁵⁰ 50	29 ⁴³ 43	6 ²³ 23	21 ⁴⁵ 45	23 ¹⁵ 15	10 ⁵⁴ 54	22 ²⁴ 24								
S 23	10 13 21	4 ⁵⁷ 07	12 ⁴ 4	23 ⁵⁴ 54	21 ⁴⁶ 46	15 ³⁵ 35	26 ⁴¹ 41	13 ⁵⁰ 50	27 ⁵⁰ 50	29 ⁴⁵ 45	6 ²² 22	21 ³⁷ 37	23 ¹² 12	11 ¹ 1	22 ¹⁹ 19								
M 24	10 17 17	5 ⁵⁷ 19	25 ¹¹ 11	23 ⁶ 6	23 ¹ 1	15 ²⁹ 29	26 ⁴⁴ 44	13 ⁵⁷ 57	27 ⁴⁹ 49	29 ⁴⁸ 48	6 ²¹ 21	21 ²⁹ 29	23 ⁸ 8	11 ⁷ 7	22 ¹⁵ 15								
T 25	10 21 14	6 ⁵⁷ 30	8 ³ 3	22 ²⁵ 25	24 ¹⁵ 15	15 ²⁴ 24	26 ⁴⁷ 47	14 ⁴ 4	27 ⁴⁹ 49	29 ⁵⁰ 50	6 ²⁰ 20	21 ²¹ 21	23 ⁵ 5	11 ¹⁴ 14	22 ¹⁰ 10								
W 26	10 25 11	7 ⁵⁷ 38	20 ⁴⁰ 40	21 ⁵¹ 51	25 ³⁰ 30	15 ¹⁷ 17	26 ⁵⁰ 50	14 ¹⁰ 10	27 ⁴⁸ 48	29 ⁵² 52	6 ¹⁸ 18	21 ¹⁵ 15	23 ² 2	11 ²¹ 21	22 ⁶ 6								
T 27	10 29 7	8 ⁵⁷ 45	3 ² 2	21 ²³ 23	26 ⁴⁵ 45	15 ⁹ 9	26 ⁵³ 53	14 ¹⁷ 17	27 ⁴⁸ 48	29 ⁵⁴ 54	6 ¹⁷ 17	21 ¹² 12	22 ⁵⁹ 59	11 ²⁷ 27	22 ¹ 1								
F 28	10 33 4	9 ⁵⁷ 50	15 ¹² 12	21 ³³ 33	28 ⁰ 0	15 ¹ 1	26 ⁵⁵ 55	14 ²⁴ 24	27 ⁴⁸ 48	29 ⁵⁶ 56	6 ¹⁶ 16	21 ¹⁰ 10	22 ⁵⁶ 56	11 ³⁴ 34	21 ⁰ 0								

Day	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	17s 1	7s53	0s21	10s53	0n18	21s41	0s24	2s59	2n55	18s 0	1n 2	18s11	0s47	23n43	0n15	1s39	1s23	24n47	6n25	9s 3	9s27	13s11	6n49	7s 6
S 2	16 43	11 14	0n42	10 16	0 33	21 30	0 26	3 2	2 56	18 2	1 2	18 9	0 47	23 43	0 15	1 38	1 23	24 48	6 25	9 3	9 26	13 12	6 50	7 6
M 3	16 26	14 7	1 43	9 41	0 49	21 18	0 29	3 5	2 57	18 3	1 2	18 7	0 47	23 43	0 15	1 37	1 23	24 48	6 25	9 3	9 25	13 14	6 52	7 7
T 4	16 8	16 25	2 40	9 8	1 5	21 6	0 31	3 8	2 58	18 5	1 2	18 5	0 47	23 43	0 15	1 37	1 23	24 48	6 25	9 3	9 24	13 15	6 53	7 7
W 5	15 49	18 1	3 30	8 39	1 21	20 52	0 33	3 10	2 59	18 6	1 2	18 3	0 47	23 43	0 15	1 36	1 23	24 49	6 25	9 2	9 23	13 16	6 55	7 6
T 6	15 31	18 50	4 12	8 12	1 37	20 39	0 36	3 12	3 0	18 7	1 2	18 1	0 47	23 43	0 15	1 35	1 23	24 49	6 25	9 1	9 22	13 17	6 56	7 6
F 7	15 12	18 45	4 43	7 49	1 54	20 24	0 38	3 14	3 1	18 9	1 2	17 59	0 47	23 43	0 15	1 34	1 23	24 50	6 25	8 58	9 20	13 19	6 58	7 6
S 8	14 53	17 45	5 0	7 30	2 10	20 10	0 40	3 16	3 2	18 10	1 3	17 57	0 47	23 43	0 15	1 34	1 23	24 50	6 25	8 55	9 19	13 20	6 59	7 6
S 9	14 34	15 48	5 3	7 15	2 26	19 54	0 42	3 17	3 3	18 11	1 3	17 55	0 47	23 43	0 15	1 33	1 23	24 50	6 25	8 51	9 18	13 21	7 1	7 6
M 10	14 15	12 57	4 49	7 5	2 41	19 38	0 45	3 18	3 4	18 12	1 3	17 53	0 47	23 42	0 15	1 32	1 23	24 51	6 25	8 46	9 17	13 23	7 3	7 6
T 11	13 55	9 21	4 18	6 59	2 55	19 21	0 47	3 19	3 5	18 13	1 3	17 52	0 48	23 42	0 15	1 31	1 23	24 51	6 25	8 43	9 16	13 24	7 4	7 6
W 12	13 35	5 9	3 31	6 58	3 8	19 4	0 49	3 19	3 6	18 15	1 3	17 50	0 48	23 42	0 15	1 31	1 23	24 51	6 25	8 39	9 14	13 25	7 6	7 6
T 13	13 15	0 38	2 31	7 2	3 19	18 46	0 51	3 20	3 7	18 16	1 3	17 48	0 48	23 42	0 15	1 30	1 23	24 52	6 25	8 37	9 13	13 27	7 7	7 6
F 14	12 54	3n58	1 20	7 10	3 28	18 28	0 53	3 20	3 8	18 17	1 3	17 46	0 48	23 42	0 15	1 29	1 23	24 52	6 25	8 36	9 12	13 28	7 9	7 6
S 15	12 34	8 21	0 5	7 23	3 36	18 9	0 55	3 20	3 8	18 18	1 3	17 44	0 48	23 42	0 15	1 28	1 23	24 53	6 25	8 36	9 11	13 29	7 11	7 5
S 16	12 13	12 14	1s11	7 39	3 41	17 50	0 57	3 19																

SWISS EPHEMERIS for the year 1698

APRIL 1698 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
T 1	12 39 13	11°43'51	10°54'	18°31'	7°47'	5°R15	26°R36	17°37'	28°II 5	1°V 8	5°R50	20°40	21°14	15°M 7	20°R11
W 2	12 43 10	12°42'51	22°51'	20° 3'	9° 1'	4°52'	26°M33	17°42'	28° 7'	1°10	5°Q50	20°41	21°11	15°14	20°Q10
T 3	12 47 6	13°41'49	4°35'59	21°36'	10°16'	4°29'	26°29'	17°47'	28° 8'	1°12	5°49	20°41	21° 8	15°20	20° 8
F 4	12 51 3	14°40'45	17°22'	23°10'	11°30'	4° 6'	26°25'	17°52'	28°10'	1°15	5°49	20°R41	21° 4	15°27	20° 6
S 5	12 54 59	15°39'40	0°48'	24°46'	12°44'	3°44'	26°21'	17°57'	28°11'	1°17	5°49	20°41	21° 1	15°34	20° 5
S 6	12 58 56	16°38'32	13° 9'	26°24'	13°59'	3°22'	26°17'	18° 1'	28°13'	1°19	5°48	20°41	20°58	15°40	20° 3
M 7	13 2 53	17°37'23	26°40'	28° 3'	15°13'	3° 1'	26°12'	18° 6'	28°15'	1°21	5°48	20°40	20°55	15°47	20° 2
T 8	13 6 49	18°36'12	10°38'	29°44'	16°27'	2°39'	26° 8'	18°11'	28°16'	1°23	5°48	20°40	20°52	15°54	20° 1
W 9	13 10 46	19°35'00	25° 1'	1°V26	17°41'	2°18'	26° 3'	18°16'	28°18'	1°26	5°48	20°40	20°48	16° 0	20° 0
T 10	13 14 42	20°33'45	9°V44	3°10'	18°56'	1°58'	25°58'	18°20'	28°20'	1°28	5°47	20°D40	20°45	16° 7	19°59
F 11	13 18 39	21°32'29	24°43'	4°56'	20°10'	1°38'	25°53'	18°25'	28°22'	1°30	5°47	20°R40	20°42	16°13	19°58
S 12	13 22 35	22°31'10	9°B48	6°43'	21°24'	1°19'	25°48'	18°29'	28°24'	1°32	5°47	20°40	20°39	16°20	19°57
S 13	13 26 32	23°29'50	24°51'	8°31'	22°38'	1° 0'	25°42'	18°33'	28°26'	1°34	5°47	20°39	20°36	16°27	19°56
M14	13 30 28	24°28'27	9°II43	10°21'	23°53'	0°42'	25°37'	18°38'	28°28'	1°36	5°47	20°39	20°33	16°33	19°56
T 15	13 34 25	25°27'02	24°17'	12°13'	25° 7'	0°24'	25°31'	18°42'	28°30'	1°39	5°47	20°39	20°29	16°40	19°55
W16	13 38 22	26°25'36	8°30'	14° 7'	26°21'	0° 7'	25°26'	18°46'	28°32'	1°41	5°47	20°38	20°26	16°47	19°55
T 17	13 42 18	27°24'06	22°19'	16° 2'	27°35'	29°M51	25°20'	18°50'	28°34'	1°43	5°D47	20°D38	20°23	16°53	19°55
F 18	13 46 15	28°22'35	5°Q45	17°58'	28°49'	29°36'	25°14'	18°54'	28°36'	1°45	5°47	20°38	20°20	17° 0	19°D55
S 19	13 50 11	29°21'02	18°49'	19°56'	0°B 3	29°21'	25° 8'	18°58'	28°38'	1°47	5°47	20°38	20°17	17° 7	19°55
S 20	13 54 8	0°B19'26	1°M34	21°56'	1°18'	29° 7'	25° 2'	19° 1'	28°40'	1°49	5°47	20°39	20°14	17°13	19°55
M21	13 58 4	1°17'48	14° 3'	23°57'	2°32'	28°53'	24°55'	19° 5'	28°43'	1°51	5°47	20°40	20°10	17°20	19°55
T 22	14 2 1	2°16'08	26°19'	26° 0'	3°46'	28°41'	24°49'	19° 9'	28°45'	1°53	5°47	20°41	20° 7	17°27	19°56
W23	14 5 57	3°14'26	8°42'	28° 4'	5° 0'	28°29'	24°42'	19°12'	28°47'	1°55	5°47	20°42	20° 4	17°33	19°56
T 24	14 9 54	4°12'42	20°22'	0°B 9	6°14'	28°18'	24°36'	19°16'	28°50'	1°57	5°47	20°R42	20° 1	17°40	19°57
F 25	14 13 51	5°10'57	2°M15	2°16'	7°28'	28° 8'	24°29'	19°19'	28°52'	1°59	5°47	20°42	19°58	17°47	19°57
S 26	14 17 47	6° 9'09	14° 5'	4°23'	8°42'	27°58'	24°22'	19°22'	28°54'	2° 1	5°48	20°41	19°54	17°53	19°58
S 27	14 21 44	7° 7'20	25°54'	6°32'	9°56'	27°49'	24°15'	19°26'	28°57'	2° 3	5°48	20°39	19°51	18° 0	19°59
M28	14 25 40	8° 5'29	7°A44	8°41'	11°10'	27°41'	24° 8'	19°29'	28°59'	2° 5	5°48	20°36	19°48	18° 7	20° 0
T 29	14 29 37	9° 3'37	19°38'	10°51'	12°24'	27°34'	24° 1'	19°32'	29° 2'	2° 7	5°48	20°34	19°45	18°13	20° 1
W30	14 33 33	10°B 1'43	1°B38	13°B 1	13°B38	27°M28	23°M54	19°35'	29°II 5	2°V 9	5°Q49	20°431	19°42	18°M20	20°Q 2

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	♄	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	4n39	18s 5	4n 5	6s47	2s26	1n51	1s21	0n37	2n57	18s19	1n 9	16s25	0s53	23n42	0n15
W 2	5 2 18 36	4 41	6 12	2 27	2 21	1 21	0 44	2 55	18 18	1 9	16 24	0 53	23 42	0 15	0 48
T 3	5 25 18 17	5 6	5 36	2 28	2 51	1 20	0 52	2 53	18 17	1 9	16 22	0 53	23 42	0 15	0 47
F 4	5 48 17 6	5 17	4 59	2 28	3 21	1 19	0 59	2 51	18 16	1 9	16 21	0 53	23 42	0 15	0 46
S 5	6 10 15 3	5 14	4 21	2 28	3 51	1 18	1 6	2 49	18 15	1 9	16 20	0 53	23 42	0 15	0 45
S 6	6 33 12 12	4 54	3 41	2 27	4 21	1 17	1 12	2 47	18 14	1 9	16 18	0 54	23 42	0 15	0 44
M 7	6 56 8 36	4 17	3 0	2 26	4 50	1 16	1 19	2 44	18 13	1 9	16 17	0 54	23 42	0 15	0 44
T 8	7 18 4 26	3 25	2 19	2 24	5 20	1 14	1 25	2 42	18 12	1 9	16 16	0 54	23 43	0 15	0 43
W 9	7 40 0n 7	2 18	1 36	2 22	5 50	1 13	1 31	2 40	18 10	1 9	16 14	0 54	23 43	0 15	0 42
T 10	8 3 4 47	1 0	0 52	2 19	6 19	1 12	1 37	2 37	18 9	1 9	16 13	0 54	23 43	0 15	0 41
F 11	8 25 9 14	0s23	0 7	2 16	6 48	1 11	1 43	2 35	18 8	1 9	16 12	0 54	23 43	0 15	0 40
S 12	8 47 13 7	1 44	0n39	2 12	7 17	1 9	1 48	2 32	18 7	1 9	16 10	0 55	23 43	0 15	0 39
S 13	9 8 16 7	2 59	1 26	2 8	7 46	1 8	1 54	2 30	18 5	1 10	16 9	0 55	23 43	0 15	0 38
M14	9 30 17 59	4 0	2 14	2 3	8 15	1 6	1 58	2 27	18 4	1 10	16 8	0 55	23 43	0 15	0 38
T 15	9 51 18 37	4 45	3 2	1 57	8 44	1 5	2 3	2 25	18 3	1 10	16 7	0 55	23 43	0 15	0 37
W16	10 13 18 2	5 11	3 52	1 52	9 12	1 3	2 7	2 22	18 1	1 10	16 6	0 55	23 43	0 15	0 36
T 17	10 34 16 24	5 18	4 42	1 45	9 40	1 1	2 12	2 20	18 0	1 10	16 5	0 55	23 43	0 15	0 35
F 18	10 55 13 54	5 7	5 33	1 38	10 8	1 0	2 15	2 17	17 58	1 10	16 4	0 55	23 43	0 15	0 34
S 19	11 16 10 46	4 40	6 24	1 31	10 36	0 58	2 19	2 14	17 57	1 10	16 3	0 56	23 43	0 15	0 34
S 20	11 36 7 11	4 0	7 16	1 23	11 4	0 56	2 22	2 12	17 55	1 10	16 2	0 56	23 43	0 15	0 33
M21	11 57 3 22	3 10	8 9	1 15	11 31	0 54	2 25	2 9	17 54	1 10	16 1	0 56	23 43	0 15	0 32
T 22	12 17 0s32	2 11	9 2	1 6	11 58	0 53	2 27	2 6	17 52	1 10	16 0	0 56	23 43	0 15	0 31
W23	12 37 4 22	1 8	9 55	0 57	12 25	0 51	2 30	2 4	17 51	1 10	15 59	0 56	23 43	0 15	0 30
T 24	12 57 8 0	0 2	10 48	0 48	12 51	0 49	2 32	2 1	17 49	1 10	15 58	0 56	23 43	0 15	0 30
F 25	13 16 11 17	1n 4	11 41	0 38	13 17	0 47	2 33	1 58	17 47	1 10	15 57	0 57	23 43	0 15	0 29
S 26	13 36 14 5	2 6	12 34	0 28	13 43	0 45	2 34	1 55	17 46	1 10	15 56	0 57	23 43	0 15	0 28
S 27	13 55 16 18	3 3	13 26	0 18	14 8	0 43	2 36	1 53	17 44	1 10	15 55	0 57	23 43	0 15	0 27
M28	14 14 17 49	3 52	14 18	0 7	14 33	0 41	2 36	1 50	17 42	1 10	15 54	0 57	23 43	0 15	0 27
T 29	14 32 18 34	4 31	15 9	0n 3	14 58	0 39	2 37	1 47	17 41	1 10	15 53	0 57	23 43	0 15	0 26
W30	14n51	18s29	4n59	15n59	0n14	15n23	0s36	2n37	1n45	17s39	1n10	15s53	0s57	23n43	0n15

Julian Day Number = 2341332.5, Delta T = 7.80 sec
 Ecliptic obliquity = 23°28'35", Nutation = 0°00'06"
 Ayanamsha: Fagan/Bradley = 20°31'41", Lahiri = 19°38'41"Greg. Calendar

SWISS EPHEMERIS for the year 1698

MAY 1698 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	14 37 30	10♌5948	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°50	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°31	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°58	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°4	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°2	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°27	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	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
T 1	15n 9	17s34	5n13	16n48	0n24	15n47	0s34	2n36	1n42	17s37	1n10	15s52	0s58	23n43	0n15	0s25	1s23	24n59	6n20	8s0	7s42	14s57	8n51	6s17
F 2	15 27	15 48	5 14	17 36	0 35	16 10	0 32	2 36	1 39	17 35	1 10	15 51	0 58	23 43	0 15	0 24	1 23	24 59	6 20	8 0	7 41	14 58	8 52	6 16
S 3	15 45	13 15	4 59	18 21	0 45	16 33	0 30	2 35	1 37	17 34	1 10	15 50	0 58	23 43	0 15	0 23	1 23	24 58	6 20	7 59	7 39	14 59	8 52	6 15
S 4	16 2 10	0 4	29 19	5 0 55	16 56	0 28	2 34	1 34	17 32	1 10	15 50	0 58	23 43	0 15	0 22	1 24	24 58	6 20	8 0	7 38	15 1	8 52	6 14	
M 5	16 19	6 8	3 44	19 47	1 5	17 18	0 25	2 33	1 32	17 30	1 10	15 49	0 58	23 43	0 15	0 21	1 24	24 58	6 20	8 0	7 37	15 2	8 53	6 13
T 6	16 36	1 49	2 45	20 27	1 15	17 40	0 23	2 31	1 29	17 28	1 9	15 49	0 58	23 43	0 15	0 20	1 24	24 58	6 20	8 0	7 36	15 3	8 53	6 12
W 7	16 53	2n44	1 33	21 5	1 24	18 2	0 21	2 29	1 26	17 26	1 9	15 48	0 59	23 43	0 15	0 20	1 24	24 58	6 20	8 1	7 35	15 4	8 53	6 11
T 8	17 9	7 16	0 14	21 40	1 32	18 23	0 18	2 27	1 24	17 25	1 9	15 48	0 59	23 43	0 15	0 20	1 24	24 57	6 20	8 1	7 33	15 5	8 53	6 11
F 9	17 25	11 27	1s 8	22 12	1 40	18 43	0 16	2 24	1 21	17 23	1 9	15 47	0 59	23 43	0 15	0 19	1 24	24 57	6 19	8 1	7 32	15 6	8 53	6 10
S 10	17 41	14 55	2 26	22 43	1 47	19 3	0 14	2 21	1 19	17 21	1 9	15 47	0 59	23 43	0 15	0 18	1 24	24 57	6 19	8 0	7 31	15 7	8 53	6 9
S 11	17 57	17 22	3 34	23 10	1 54	19 22	0 11	2 18	1 16	17 19	1 9	15 46	0 59	23 43	0 15	0 18	1 24	24 57	6 19	7 59	7 30	15 8	8 53	6 8
M12	18 12	18 34	4 26	23 35	2 0	19 41	0 9	2 15	1 14	17 17	1 9	15 46	0 59	23 43	0 15	0 17	1 24	24 56	6 19	7 58	7 28	15 9	8 53	6 7
T 13	18 27	18 27	4 59	23 57	2 5	20 0	0 7	2 11	1 12	17 15	1 9	15 45	1 0	23 43	0 15	0 17	1 24	24 56	6 19	7 56	7 27	15 10	8 53	6 6
W14	18 41	17 8	5 12	24 17	2 9	20 18	0 4	2 7	1 9	17 13	1 9	15 45	1 0	23 43	0 15	0 16	1 24	24 56	6 19	7 54	7 26	15 11	8 53	6 5
T 15	18 56	14 50	5 6	24 35	2 13	20 35	0 2	2 3	1 7	17 12	1 9	15 45	1 0	23 43	0 15	0 15	1 24	24 56	6 19	7 53	7 25	15 12	8 53	6 5
F 16	19 10	11 47	4 43	24 50	2 15	20 52	0n 1	1 58	1 4	17 10	1 9	15 44	1 0	23 43	0 15	0 15	1 24	24 55	6 19	7 52	7 24	15 13	8 53	6 4
S 17	19 23	8 14	4 6	25 2	2 17	21 8	0 3	1 54	1 2	17 8	1 9	15 44	1 0	23 43	0 15	0 14	1 24	24 55	6 19	7 52	7 22	15 14	8 53	6 3
S 18	19 36	4 25	3 18	25 13	2 18	21 24	0 6	1 49	1 0	17 6	1 8	15 44	1 0	23 43	0 15	0 14	1 24	24 55	6 19	7 52	7 21	15 15	8 53	6 2
M19	19 49	0 29	2 21	25 21	2 19	21 39	0 8	1 43	0 58	17 4	1 8	15 44	1 1	23 43	0 15	0 13	1 24	24 54	6 19	7 53	7 20	15 16	8 53	6 1
T 20	20 2	3s24	1 19	25 27	2 18	21 53	0 10	1 38	0 55	17 2	1 8	15 43	1 1	23 43	0 15	0 13	1 24	24 54	6 18	7 54	7 19	15 17	8 52	6 1
W21	20 14	7 5	0 15	25 31	2 17	22 7	0 13	1 32	0 53	17 0	1 8	15 43	1 1	23 43	0 15	0 12	1 24	24 54	6 18	7 54	7 18	15 18	8 52	6 0
T 22	20 26	10 28	0n49	25 33	2 14	22 20	0 15	1 26	0 51	16 59	1 8	15 43	1 1	23 43	0 15	0 12	1 24	24 53	6 18	7 54	7 16	15 19	8 52	5 59
F 23	20 38	13 25	1 51	25 34	2 11	22 33	0 18	1 20	0 49	16 57	1 8	15 43	1 1	23 43	0 15	0 11	1 24	24 53	6 18	7 53	7 15	15 20	8 51	5 58
S 24	20 49	15 49	2 48	25 32	2 7	22 45	0 20	1 14	0 47	16 55	1 8	15 43	1 2	23 43	0 15	0 11	1 24	24 53	6 18	7 51	7 14	15 21	8 51	5 57
S 25	21 0	17 33	3 38	25 29	2 3	22 56	0 22	1 7	0 45	16 53	1 8	15 43	1 2	23 43	0 15	0 10	1 24	24 53	6 18	7 49	7 13	15 22	8 50	5 57
M26	21 11	18 32	4 18	25 25	1 57	23 6	0 25	1 1	0 43	16 52	1 7	15 43	1 2	23 43	0 15	0 10	1 24	24 52	6 18	7 46	7 12	15 23	8 50	5 56
T 27	21 21	18 41	4 47	25 19	1 51	23 16	0 27	0 54	0 41	16 50	1 7	15 43	1 2	23 43	0 15	0 9	1 25	24 52	6 18	7 43	7 10	15 24	8 49	5 55
W28	21 31	17 59	5 4	25 12	1 43	23 26	0 29	0 47	0 39	16 48	1 7	15 43	1 2	23 43	0 15	0 9	1 25	24 52	6 18	7 40	7 9	15 25	8 49	5 54
T 29	21 40	16 27	5 7	25 3	1 35	23 34	0 32	0 39	0 37	16 46	1 7	15 43	1 2	23 43	0 1									

SWISS EPHEMERIS for the year 1698

JUNE 1698 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♄	♃	♁	♁	♁	♁	♁	♁	♁
S 1	16 39 43	10II48'33	1X20	3E34	22II58	0E31	19°R57	20°R19	0E44	2Y57	6R12	19°R13	18E 0	21M53	21R38
M 2	16 43 40	11°45'57	14°38	4°13	24°12	0°47	19M51	20R19	0°47	2°59	6°14	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	19E13	17°54	22° 7	21°47
W 4	16 51 33	13°40'42	12Y20	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	11E32	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	0E19	2°14	19°19	20°17	1° 4	3° 4	6°20	19° 8	17°41	22°33	22° 7
S 8	17 7 19	17°30'06	11II42	6°37	1°33	2°33	19°13	20°16	1° 8	3° 4	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	11E42	6°R49	4° 0	3°12	19° 1	20°14	1°15	3° 6	6°23	18°44	17°31	22°53	22°22
W 11	17 19 9	20°22'03	26°14	6°48	5°13	3°32	18°55	20°13	1°19	3° 7	6°25	18°36	17°28	23° 0	22°27
T 12	17 23 5	21°19'21	10R20	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	7M 5	6°19	8°54	4°36	18°39	20° 9	1°29	3° 9	6°29	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
M 16	17 38 51	25° 8'22	2E10	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
W 18	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	8M 0	4°17	15° 1	6°29	18°15	20° 1	1°47	3°12	6°36	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	1X38	3°10	17°27	7°17	18° 7	19°57	1°54	3°13	6°39	18° 6	16°57	24° 7	23°25
S 22	18 2 31	0E51'35	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
M 23	18 6 27	1°48'46	25°37	1°59	19°54	8° 7	17°59	19°53	2° 2	3°14	6°42	17°46	16°50	24°20	23°38
T 24	18 10 24	2°45'56	7E48	1°24	21° 7	8°32	17°55	19°51	2° 5	3°15	6°43	17°33	16°47	24°27	23°44
W 25	18 14 20	3°43'07	20°10	0°49	22°20	8°57	17°52	19°48	2° 9	3°15	6°45	17°20	16°44	24°33	23°50
T 26	18 18 17	4°40'17	2E42	0°16	23°34	9°23	17°49	19°46	2°13	3°16	6°46	17° 9	16°41	24°40	23°57
F 27	18 22 14	5°37'27	15°24	29II45	24°47	9°49	17°45	19°43	2°16	3°16	6°48	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	11X25	28°50	27°13	10°43	17°40	19°38	2°23	3°16	6°51	16°47	16°31	25° 0	24°16
M 30	18 34 3	8E28'59	24X47	28II28	28E27	11E10	17M37	19E35	2E27	3Y17	6R52	16E45	16E28	25M 7	24R23

Day	☉	☽	♀	♂	♂	♄	♃	♁	♁	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	22n 6	7s27	3n49	24n32	1n 6	23n56	0n39	0n16	0n31	16s41	1n 6	15s44	1s 3	23n43	0n15	0s 7	1s25	24n50	6n18	7s32	7s 4	15s29	8n46	5s51
M 2	22 14	3 22	2 55	24 19	0 55	24 2	0 41	0 8	0 29	16 40	1 6	15 44	1 3	23 43	0 15	0 7	1 25	24 50	6 17	7 32	7 3	15 30	8 45	5 50
T 3	22 21	1n 0	1 50	24 6	0 43	24 7	0 43	0s 0	0 27	16 38	1 6	15 44	1 3	23 43	0 15	0 6	1 25	24 49	6 17	7 32	7 2	15 31	8 45	5 50
W 4	22 29	5 27	0 37	23 52	0 30	24 11	0 45	0 9	0 25	16 37	1 6	15 45	1 4	23 43	0 15	0 6	1 25	24 49	6 17	7 33	7 1	15 32	8 44	5 49
T 5	22 35	9 43	0s40	23 38	0 17	24 15	0 48	0 18	0 23	16 35	1 6	15 45	1 4	23 43	0 15	0 6	1 25	24 49	6 17	7 32	6 59	15 33	8 43	5 48
F 6	22 42	13 28	1 57	23 23	0 3	24 18	0 50	0 26	0 22	16 34	1 5	15 45	1 4	23 43	0 15	0 5	1 25	24 48	6 17	7 32	6 58	15 34	8 42	5 47
S 7	22 48	16 24	3 6	23 7	0s12	24 20	0 52	0 35	0 20	16 32	1 5	15 46	1 4	23 43	0 15	0 5	1 25	24 48	6 17	7 30	6 57	15 35	8 41	5 47
S 8	22 53	18 13	4 3	22 51	0 27	24 22	0 54	0 44	0 18	16 31	1 5	15 46	1 4	23 43	0 15	0 5	1 25	24 48	6 17	7 28	6 56	15 36	8 40	5 46
M 9	22 58	18 44	4 43	22 35	0 43	24 23	0 56	0 54	0 16	16 29	1 5	15 47	1 4	23 43	0 15	0 4	1 25	24 47	6 17	7 25	6 55	15 37	8 39	5 45
T 10	23 3 17	5 6	5 2	22 19	0 59	24 23	0 58	1 3	0 15	16 28	1 5	15 47	1 5	23 43	0 15	0 4	1 25	24 47	6 17	7 21	6 53	15 38	8 38	5 45
W 11	23 8 15	5 59	5 2	22 3	1 15	24 22	1 0	1 13	0 13	16 27	1 4	15 48	1 5	23 43	0 15	0 4	1 25	24 46	6 17	7 18	6 52	15 39	8 37	5 44
T 12	23 11 13	8 4	4 43	21 47	1 32	24 21	1 2	1 22	0 11	16 25	1 4	15 48	1 5	23 43	0 15	0 4	1 25	24 46	6 17	7 15	6 51	15 40	8 36	5 43
F 13	23 15 9	3 39	4 8	21 30	1 49	24 19	1 4	1 32	0 10	16 24	1 4	15 49	1 5	23 43	0 15	0 3	1 25	24 46	6 17	7 13	6 50	15 41	8 35	5 43
S 14	23 18 5 48	3 22	21 14	2 5	24 16	1 6	1 42	0 8	16 23	1 4	15 49	1 5	23 43	0 15	0 3	1 25	24 45	6 17	7 12	6 49	15 42	8 34	5 42	
S 15	23 21 1 48	2 26	20 59	2 22	24 13	1 7	1 53	0 6	16 22	1 4	15 50	1 5	23 43	0 15	0 3	1 26	24 45	6 17	7 11	6 47	15 43	8 33	5 41	
M 16	23 23 2s10	1 25	20 43	2 38	24 8	1 9	2 3	0 5	16 20	1 3	15 51	1 6	23 43	0 15	0 3	1 26	24 44	6 17	7 11	6 46	15 44	8 32	5 40	
T 17	23 25 5 58	0 22	20 28	2 54	24 3	1 11	2 13	0 3	16 19	1 3	15 51	1 6	23 43	0 15	0 2	1 26	24 44	6 17	7 11	6 45	15 45	8 30	5 40	
W 18	23 27 9 28	0n42	20 14	3 9	23 58	1 13	2 24	0 2	16 18	1 3	15 52	1 6	23 43	0 15	0 2	1 26	24 44	6 17	7 11	6 44	15 46	8 29	5 39	
T 19	23 28 12 35	1 43	20 1	3 24	23 51	1 14	2 34	0 0	16 17	1 3	15 53	1 6	23 43	0 15	0 2	1 26	24 43	6 17	7 11	6 42	15 47	8 28	5 39	
F 20	23 28 15 9	2 39	19 48	3 38	23 44	1 16	2 45	0s 1	16 16	1 2	15 53	1 6	23 43	0 15	0 2	1 26	24 43	6 17	7 9	6 41	15 48	8 27	5 38	
S 21	23 29 17 7	3 29	19 36	3 50	23 37	1 17	2 56	0 3	16 15	1 2	15 54	1 7	23 42	0 15	0 2	1 26	24 42	6 17	7 7	6 40	15 49	8 25	5 37	
S 22	23 28 18 20	4 9	19 25	4 2	23 28	1 19	3 7	0 4	16 14	1 2	15 55	1 7	23 42	0 15	0 2	1 26	24 42	6 16	7 3	6 39	15 49	8 24	5 37	
M 23	23 28 18 45	4 39	19 15	4 12	23 19	1 20	3 18	0 5	16 14	1 2	15 56	1 7	23 42	0 15	0 1	1 26	24 42	6 16	6 59	6 38	15 50	8 22	5 36	
T 24	23 27 18 18	4 57	19 7	4 21	23 9	1 22	3 30	0 7	16 13	1 2	15 57	1 7	23 42	0 15	0 1	1 26	24 41	6 16	6 54	6 36	15 51	8 21	5 35	
W 25	23 25 17 0	5 1	19 0	4 29	22 59	1 23	3 41	0 8	16 12	1 1	15 58	1 7	23 42	0 15	0 1	1 26	24 41	6 16	6 49	6 35	15 52	8 19	5 35	
T 26	23 24 14 53	4 50	18 54	4 35	22 48	1 24	3 52	0 10	16 11	1 1	15 59	1 7	23 42	0 15	0 1	1 26	24 40	6 16	6 45	6 34	15 53	8 18	5 34	
F 27	23 21 12 1	4 25	18 49	4 39	22 36	1 25	4 4	0 11	16 11	1 1	16 0	1 8	23 42	0 15	0 1	1 26	24 40	6 16	6 41	6 33	15 54	8 16	5 34	
S 28	23 19 8 32	3 47	18 46	4 42	22 24	1 26	4 16	0 12	16 10	1 1	16 1	1 8	23 42	0 15	0 1	1 26	24 39	6 16	6 38	6 31	15 55	8 15	5 33	
S 29	23 16 4 35	2 55	18 45	4 43	22 11	1 27	4 27	0 14	16 10	1 0	16 2	1 8	23 42	0 15	0 1	1 26	24 39	6 16	6 36	6 30	15 56	8 13	5 32	
M 30	23n12	0s20	1n54	18n45	4s43	21n57	1n28	4s39	0s15	16s 9	1n 0	16s 3	1s 8	23n42	0n15	0s 1	1s26	24n39	6n16					

SWISS EPHEMERIS for the year 1698

JULY 1698 GC

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Day	Sid.t	☉	☽	♀	♂	♂	♄	♃	♁	♂	♂	♂	♂	♂	♂
T 1	18 38 0	9 ^h 26'10	8 ^h 24	28 ^h R10	29 ^h 40	11 ^h 37	17 ^h R34	19 ^h R32	2 ^h 31	3 ^h 17	6 ^h 54	16 ^h R45	16 ^h 25	25 ^h M14	24 ^h 30
W 2	18 41 56	10 ^h 23'21	22 ^h 18	27 ^h II56	0 ^h L53	12 ^h 5	17 ^h M32	19 ^h 30	2 ^h 34	3 ^h 17	6 ^h 56	16 ^h 45	16 ^h 22	25 ^h 20	24 ^h 36
T 3	18 45 53	11 ^h 20'33	6 ^h 31	27 ^h 47	2 ^h 6	12 ^h 33	17 ^h 30	19 ^h 27	2 ^h 38	3 ^h 17	6 ^h 57	16 ^h 44	16 ^h 18	25 ^h 27	24 ^h 43
F 4	18 49 49	12 ^h 17'46	21 ^h 0	27 ^h D42	3 ^h 19	13 ^h 1	17 ^h 28	19 ^h 24	2 ^h 41	3 ^h 17	6 ^h 59	16 ^h 41	16 ^h 15	25 ^h 34	24 ^h 50
S 5	18 53 46	13 ^h 14'58	5 ^h II42	27 ^h 42	4 ^h 33	13 ^h 29	17 ^h 26	19 ^h 20	2 ^h 45	3 ^h 17	7 ^h 0	16 ^h 36	16 ^h 12	25 ^h 40	24 ^h 57
S 6	18 57 43	14 ^h 12'12	20 ^h 33	27 ^h 48	5 ^h 46	13 ^h 58	17 ^h 25	19 ^h 17	2 ^h 48	3 ^h R17	7 ^h 2	16 ^h 28	16 ^h 9	25 ^h 47	25 ^h 4
M 7	19 1 39	15 ^h 9'25	5 ^h 23	27 ^h 59	6 ^h 59	14 ^h 27	17 ^h 23	19 ^h 14	2 ^h 52	3 ^h 17	7 ^h 4	16 ^h 17	16 ^h 6	25 ^h 54	25 ^h 11
T 8	19 5 36	16 ^h 6'39	20 ^h 5	28 ^h 15	8 ^h 12	14 ^h 56	17 ^h 22	19 ^h 11	2 ^h 55	3 ^h 17	7 ^h 5	16 ^h 6	16 ^h 3	26 ^h 0	25 ^h 18
W 9	19 9 32	17 ^h 3'53	4 ^h L30	28 ^h 36	9 ^h 25	15 ^h 26	17 ^h 21	19 ^h 7	2 ^h 59	3 ^h 17	7 ^h 7	15 ^h 55	15 ^h 59	26 ^h 7	25 ^h 26
T 10	19 13 29	18 ^h 1'07	18 ^h 33	29 ^h 3	10 ^h 38	15 ^h 56	17 ^h 20	19 ^h 4	3 ^h 3	3 ^h 17	7 ^h 9	15 ^h 45	15 ^h 56	26 ^h 14	25 ^h 33
F 11	19 17 25	18 ^h 58'22	2 ^h M 9	29 ^h 35	11 ^h 51	16 ^h 26	17 ^h 19	19 ^h 0	3 ^h 6	3 ^h 17	7 ^h 11	15 ^h 38	15 ^h 53	26 ^h 20	25 ^h 40
S 12	19 21 22	19 ^h 55'36	15 ^h 19	0 ^h 13	13 ^h 4	16 ^h 56	17 ^h 19	18 ^h 57	3 ^h 10	3 ^h 17	7 ^h 12	15 ^h 33	15 ^h 50	26 ^h 27	25 ^h 48
S 13	19 25 18	20 ^h 52'51	28 ^h 4	0 ^h 55	14 ^h 17	17 ^h 27	17 ^h 19	18 ^h 53	3 ^h 13	3 ^h 16	7 ^h 14	15 ^h 30	15 ^h 47	26 ^h 34	25 ^h 55
M14	19 29 15	21 ^h 50'06	10 ^h 27	1 ^h 43	15 ^h 30	17 ^h 58	17 ^h D18	18 ^h 49	3 ^h 17	3 ^h 16	7 ^h 16	15 ^h 29	15 ^h 43	26 ^h 40	26 ^h 2
T 15	19 33 12	22 ^h 47'21	22 ^h 34	2 ^h 37	16 ^h 43	18 ^h 29	17 ^h 18	18 ^h 46	3 ^h 20	3 ^h 16	7 ^h 17	15 ^h 29	15 ^h 40	26 ^h 47	26 ^h 10
W16	19 37 8	23 ^h 44'36	4 ^h M30	3 ^h 35	17 ^h 56	19 ^h 0	17 ^h 19	18 ^h 42	3 ^h 23	3 ^h 16	7 ^h 19	15 ^h 29	15 ^h 37	26 ^h 54	26 ^h 17
T 17	19 41 5	24 ^h 41'52	16 ^h 20	4 ^h 39	19 ^h 9	19 ^h 32	17 ^h 19	18 ^h 38	3 ^h 27	3 ^h 15	7 ^h 21	15 ^h 27	15 ^h 34	27 ^h 0	26 ^h 25
F 18	19 45 1	25 ^h 39'08	28 ^h 10	5 ^h 47	20 ^h 22	20 ^h 3	17 ^h 20	18 ^h 34	3 ^h 30	3 ^h 15	7 ^h 23	15 ^h 24	15 ^h 31	27 ^h 7	26 ^h 33
S 19	19 48 58	26 ^h 36'25	10 ^h 3	7 ^h 0	21 ^h 35	20 ^h 35	17 ^h 21	18 ^h 30	3 ^h 34	3 ^h 14	7 ^h 24	15 ^h 17	15 ^h 28	27 ^h 14	26 ^h 40
S 20	19 52 54	27 ^h 33'41	22 ^h 4	8 ^h 19	22 ^h 48	21 ^h 8	17 ^h 21	18 ^h 26	3 ^h 37	3 ^h 14	7 ^h 26	15 ^h 8	15 ^h 24	27 ^h 20	26 ^h 48
M21	19 56 51	28 ^h 30'59	4 ^h Z16	9 ^h 42	24 ^h 1	21 ^h 40	17 ^h 23	18 ^h 22	3 ^h 40	3 ^h 13	7 ^h 28	14 ^h 57	15 ^h 21	27 ^h 27	26 ^h 56
T 22	20 0 47	29 ^h 28'17	16 ^h 39	11 ^h 9	25 ^h 14	22 ^h 13	17 ^h 24	18 ^h 18	3 ^h 44	3 ^h 13	7 ^h 30	14 ^h 45	15 ^h 18	27 ^h 34	27 ^h 3
W23	20 4 44	0 ^h L25'36	19 ^h 16	12 ^h 41	26 ^h 26	22 ^h 45	17 ^h 25	18 ^h 14	3 ^h 47	3 ^h 12	7 ^h 31	14 ^h 33	15 ^h 15	27 ^h 40	27 ^h 11
T 24	20 8 41	1 ^h 22'55	12 ^h 5	14 ^h 17	27 ^h 39	23 ^h 18	17 ^h 27	18 ^h 10	3 ^h 50	3 ^h 12	7 ^h 33	14 ^h 21	15 ^h 12	27 ^h 47	27 ^h 19
F 25	20 12 37	2 ^h 20'15	25 ^h 7	15 ^h 57	28 ^h 52	23 ^h 52	17 ^h 29	18 ^h 5	3 ^h 54	3 ^h 11	7 ^h 35	14 ^h 12	15 ^h 9	27 ^h 54	27 ^h 27
S 26	20 16 34	3 ^h 17'36	8 ^h X20	17 ^h 40	0 ^h M 5	24 ^h 25	17 ^h 31	18 ^h 1	3 ^h 57	3 ^h 11	7 ^h 37	14 ^h 5	15 ^h 5	28 ^h 1	27 ^h 35
S 27	20 20 30	4 ^h 14'58	21 ^h 44	19 ^h 28	1 ^h 18	24 ^h 59	17 ^h 33	17 ^h 57	4 ^h 0	3 ^h 10	7 ^h 38	14 ^h 0	15 ^h 2	28 ^h 7	27 ^h 43
M28	20 24 27	5 ^h 12'22	5 ^h Y19	21 ^h 18	2 ^h 30	25 ^h 32	17 ^h 36	17 ^h 53	4 ^h 3	3 ^h 9	7 ^h 40	13 ^h 58	14 ^h 59	28 ^h 14	27 ^h 51
T 29	20 28 23	6 ^h 9'46	19 ^h 4	23 ^h 11	3 ^h 43	26 ^h 6	17 ^h 38	17 ^h 48	4 ^h 7	3 ^h 9	7 ^h 42	13 ^h D58	14 ^h 56	28 ^h 21	27 ^h 59
W30	20 32 20	7 ^h 7'12	2 ^h 8'59	25 ^h 7	4 ^h 56	26 ^h 41	17 ^h 41	17 ^h 44	4 ^h 10	3 ^h 8	7 ^h 44	13 ^h R59	14 ^h 53	28 ^h 27	28 ^h 7
T 31	20 36 16	8 ^h L 4'39	17 ^h 5	27 ^h 5	6 ^h M 8	27 ^h 15	17 ^h M44	17 ^h 40	4 ^h 13	3 ^h Y 7	7 ^h L46	13 ^h 58	14 ^h 49	28 ^h M34	28 ^h L15

Day	☉		☽		♀		♂		♄		♃		♁		♂		♂		♂					
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat				
T 1	23n 8	4n 1	0n44	18n46	4s42	21n43	1n29	4s51	0s16	16s 9	1n 0	16s 4	1s 8	23n42	0n15	0s 1	1s26	24n38	6n16	6s35	6s28	15s58	8n10	5s31
W 2	23 4	8 14	0s29	18 49	4 39	21 28	1 30	5 3	0 17	16 8	1 0	16 5	1 8	23 42	0 15	0 1	1 26	24 38	6 16	6 35	6 27	15 59	8 8	5 31
T 3	22 59	12 6	1 43	18 53	4 34	21 12	1 31	5 15	0 19	16 8	0 59	16 6	1 8	23 42	0 15	0 1	1 26	24 37	6 16	6 35	6 25	16 0	8 7	5 30
F 4	22 54	15 17	2 51	18 59	4 29	20 56	1 32	5 27	0 20	16 8	0 59	16 7	1 9	23 42	0 15	0 1	1 27	24 37	6 16	6 34	6 24	16 0	8 5	5 30
S 5	22 49	17 33	3 48	19 6	4 22	20 39	1 33	5 39	0 21	16 7	0 59	16 8	1 9	23 42	0 15	0 1	1 27	24 36	6 16	6 32	6 23	16 1	8 3	5 29
S 6	22 43	18 38	4 31	19 14	4 14	20 22	1 33	5 52	0 22	16 7	0 59	16 9	1 9	23 42	0 15	0 1	1 27	24 36	6 16	6 29	6 22	16 2	8 1	5 29
M 7	22 37	18 27	4 55	19 23	4 5	20 4	1 34	6 4	0 24	16 7	0 58	16 10	1 9	23 42	0 15	0 1	1 27	24 36	6 16	6 25	6 20	16 3	7 59	5 28
T 8	22 30	17 2	5 0	19 33	3 55	19 46	1 34	6 17	0 25	16 7	0 58	16 11	1 9	23 42	0 15	0 1	1 27	24 35	6 16	6 21	6 19	16 4	7 58	5 28
W 9	22 23	14 33	4 45	19 44	3 44	19 27	1 35	6 29	0 26	16 7	0 58	16 13	1 9	23 41	0 15	0 1	1 27	24 35	6 16	6 16	6 18	16 5	7 56	5 27
T 10	22 16	11 16	4 13	19 55	3 33	19 7	1 35	6 42	0 27	16 7	0 58	16 14	1 10	23 41	0 15	0 1	1 27	24 34	6 16	6 13	6 17	16 6	7 54	5 26
F 11	22 8	7 29	3 28	20 7	3 21	18 47	1 35	6 54	0 28	16 7	0 57	16 15	1 10	23 41	0 15	0 1	1 27	24 34	6 16	6 10	6 16	16 7	7 52	5 26
S 12	22 0	3 27	2 33	20 20	3 8	18 27	1 35	7 7	0 29	16 7	0 57	16 16	1 10	23 41	0 15	0 2	1 27	24 33	6 16	6 8	6 14	16 8	7 50	5 26
S 13	21 51	0s37	1 31	20 33	2 55	18 5	1 36	7 20	0 30	16 7	0 57	16 18	1 10	23 41	0 15	0 2	1 27	24 33	6 16	6 7	6 13	16 8	7 48	5 25
M14	21 42	4 33	0 27	20 46	2 42	17 44	1 36	7 32	0 31	16 7	0 57	16 19	1 10	23 41	0 15	0 2	1 27	24 33	6 16	6 6	6 12	16 9	7 46	5 25
T 15	21 33	8 13	0n37	20 59	2 28	17 22	1 36	7 45	0 33	16 8	0 56	16 20	1 10	23 41	0 15	0 2	1 27	24 32	6 16	6 6	6 11	16 10	7 44	5 24
W16	21 23	11 29	1 39	21 12	2 14	17 0	1 35	7 58	0 34	16 8	0 56	16 22	1 10	23 41	0 15	0 2	1 27	24 32	6 16	6 6	6 9	16 11	7 42	5 24
T 17	21 13	14 16	2 36	21 24	2 0	16 37	1 35	8 11	0 35	16 8	0 56	16 23	1 11	23 41	0 15	0 2	1 27	24 31	6 17	6 6	6 8	16 12	7 40	5 23
F 18	21 3	16 26	3 26	21 36	1 45	16 13	1 35	8 24	0 36	16 9	0 56													

SWISS EPHEMERIS for the year 1698

AUGUST 1698 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	20 40 13	9♌ 2'07	1♏ 21	29♄ 5	7♃ 21	27♂ 50	17♌ 47	17°R35	4♄ 16	3°R 6	7♌ 47	13°R57	14♌ 46	28♌ 41	28♌ 23	
S 2	20 44 10	9°59'36	15°44	1♌ 6	8°33	28°24	17°50	17°31	4°19	3°V 6	7°49	13°52	14°43	28°47	28°31	
S 3	20 48 6	10°57'07	0♄ 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♌ 10	18° 1	17°17	4°28	3° 3	7°55	13°28	14°34	29° 7	28°55	
W 6	20 59 56	13°49'48	13♌ 1	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♏ 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° 2	13° 0	14°21	29°34	29°28	
S 10	21 15 42	17°40'18	6♌ 1	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♌ 32	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° 9	13° 0	14° 8	0♌ 1	0♏ 2	
T 14	21 31 28	21°31'04	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♌ 12	27°24	24°15	6°12	18°47	16°32	4°57	2°52	8°12	12°59	14° 2	0°14	0°19	
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♌ 12	1♏ 13	26°39	7°26	18°58	16°24	5° 2	2°50	8°16	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♌ 52	6°47	0♌ 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°13'35	4♏ 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♏ 11'31	17°58	12° 8	3°51	11°12	19°35	15°57	5°17	2°42	8°26	12°10	13°36	1° 8	1°26	
S 24	22 10 54	1° 9'27	1♏ 46	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♌ 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°59'39	12♏ 17	22°16	11° 2	15° 3	20°18	15°32	5°31	2°34	8°36	12°R 11	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♏ 55'58	10♄ 33	25♏ 29	13♌ 26	16♌ 22	20♌ 33	15♌ 24	5♄ 35	2°V 31	8♌ 39	12♌ 7	13♌ 11	2♌ 1	2♏ 33	

Day	☉		☽		♀		♂		♂		♂		♂		♂		♂		♂					
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat				
F 1	18n 1	16n48	3s44	21n27	1n 6	10n 7	1n24	11s28	0s49	16s20	0n52	16s44	1s12	23n40	0n15	0s 7	1s28	24n25	6n17	5s30	5s50	16s24	7n 5	5s17
S 2	17 46	18 16	4 28	21 9	1 14	9 39	1 23	11 42	0 49	16 21	0 52	16 45	1 12	23 40	0 15	0 7	1 28	24 25	6 17	5 29	5 49	16 25	7 3	5 17
S 3	17 31	18 33	4 56	20 47	1 21	9 10	1 21	11 55	0 50	16 22	0 52	16 47	1 12	23 39	0 15	0 7	1 28	24 24	6 17	5 26	5 47	16 26	7 0	5 17
M 4	17 15	17 38	5 4	20 24	1 27	8 41	1 20	12 8	0 51	16 23	0 51	16 48	1 13	23 39	0 15	0 8	1 28	24 24	6 18	5 23	5 46	16 27	6 58	5 16
T 5	16 59	15 37	4 53	19 58	1 32	8 12	1 18	12 21	0 52	16 24	0 51	16 50	1 13	23 39	0 15	0 8	1 28	24 23	6 18	5 19	5 45	16 28	6 55	5 16
W 6	16 42	12 42	4 25	19 30	1 36	7 43	1 16	12 35	0 53	16 26	0 51	16 51	1 13	23 39	0 15	0 8	1 28	24 23	6 18	5 16	5 44	16 29	6 53	5 16
T 7	16 25	9 8	3 41	18 59	1 40	7 13	1 15	12 48	0 54	16 27	0 51	16 53	1 13	23 39	0 15	0 9	1 28	24 23	6 18	5 12	5 42	16 29	6 50	5 15
F 8	16 8	5 11	2 46	18 27	1 42	6 43	1 13	13 1	0 54	16 28	0 50	16 54	1 13	23 39	0 15	0 9	1 28	24 22	6 18	5 10	5 41	16 30	6 48	5 15
S 9	15 51	1 5	1 43	17 53	1 44	6 13	1 11	13 14	0 55	16 30	0 50	16 56	1 13	23 39	0 15	0 10	1 28	24 22	6 18	5 8	5 40	16 31	6 45	5 15
S 10	15 34	2s58	0 37	17 17	1 45	5 43	1 9	13 27	0 56	16 31	0 50	16 57	1 13	23 39	0 15	0 10	1 28	24 22	6 18	5 8	5 39	16 32	6 43	5 15
M 11	15 16	6 46	0n29	16 40	1 46	5 13	1 7	13 40	0 57	16 33	0 50	16 59	1 13	23 39	0 15	0 11	1 28	24 21	6 18	5 8	5 37	16 33	6 40	5 14
T 12	14 58	10 13	1 33	16 1	1 46	4 43	1 5	13 53	0 57	16 34	0 49	17 0	1 13	23 39	0 15	0 11	1 29	24 21	6 18	5 8	5 36	16 33	6 37	5 14
W 13	14 40	13 12	2 32	15 21	1 45	4 12	1 3	14 6	0 58	16 36	0 49	17 1	1 13	23 39	0 15	0 12	1 29	24 20	6 18	5 8	5 35	16 34	6 35	5 14
T 14	14 21	15 35	3 24	14 41	1 44	3 42	1 1	14 19	0 59	16 38	0 49	17 3	1 13	23 39	0 15	0 12	1 29	24 20	6 19	5 8	5 34	16 35	6 32	5 14
F 15	14 2	17 19	4 7	13 59	1 42	3 11	0 58	14 32	0 59	16 39	0 49	17 4	1 13	23 38	0 16	0 13	1 29	24 20	6 19	5 8	5 33	16 36	6 29	5 13
S 16	13 44	18 18	4 40	13 16	1 39	2 40	0 56	14 45	1 0	16 41	0 48	17 6	1 14	23 38	0 16	0 13	1 29	24 19	6 19	5 7	5 31	16 36	6 27	5 13
S 17	13 24	18 28	5 1	12 33	1 36	2 9	0 54	14 58	1 1	16 43	0 48	17 7	1 14	23 38	0 16	0 14	1 29	24 19	6 19	5 5	5 30	16 37	6 24	5 13
M 18	13 5	17 47	5 8	11 49	1 32	1 38	0 51	15 11	1 1	16 45	0 48	17 8	1 14	23 38	0 16	0 14	1 29	24 19	6 19	5 2	5 29	16 38	6 21	5 13
T 19	12 46	16 14	5 1	11 5	1 28	1 7	0 49	15 24	1 2	16 47	0 48	17 10	1 14	23 38	0 16	0 15	1 29	24 18	6 19	4 59	5 28	16 39	6 19	5 12
W 20	12 26	13 51	4 39	10 20	1 24	0 36	0 46	15 36	1 3	16 48	0 48	17 11	1 14	23 38	0 16	0 15	1 29	24 18	6 19	4 56	5 26	16 40	6 16	5 12
T 21	12 6	10 43	4 1	9 35	1 19	0 5	0 43	15 49	1 3	16 50	0 47	17 13	1 14	23 38	0 16	0 16	1 29	24 18	6 19	4 53	5 25	16 40	6 13	5 12
F 22	11 46	6 59	3 10	8 50	1 14	0s26	0 41	16 2	1 4	16 52	0 47	17 14	1 14	23 38	0 16	0 16	1 29	24 17	6 19	4 51	5 24	16 41	6 10	5 12
S 23	11 25	2 49	2 7	8 5	1 9	0 57	0 38	16 14	1 5	16 54	0 47	17 15	1 14	23 38	0 16	0 17	1 29	24 17	6 20	4 49	5 23	16 42	6 7	5 12
S 24	11 5	1n34	0 56																					

SWISS EPHEMERIS for the year 1698

SEPTEMBER 1698 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
M 1	22 42 26	8 ^h 54'11"	24 ^h 33'	27 ^h 3'	14 ^h 37'	17 ^h 11'	20 ^h 41'	15°R20	5 ^h 37'	2°R30	8 ^h 40'	12°R 3	13 ^h 8	2 ^h 7 8	2 ^h 42
T 2	22 46 23	9°52'25"	8 ^h 25'	28°37'	15°49'	17°40'	20°48'	15 ^h 17'	5°39'	2 ^h 28'	8°42'	11 ^h 58'	13° 5	2°15	2°50
W 3	22 50 19	10°50'42"	22° 4	0 ^h 9'	17° 0	18°20'	20°57'	15°13'	5°41'	2°27'	8°44'	11°53'	13° 1	2°21	2°59
T 4	22 54 16	11°49'00"	5 ^h 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°47'	11°45'	12°55'	2°35	3°15
S 6	23 2 9	13°45'41"	1 ^h 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 ^h 26'	8°57'	24° 8	22°20'	21°47'	14°51'	5°52'	2°17'	8°53'	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
T 11	23 21 52	18°37'56"	2 ^h 14'	11°43'	26°31'	23°41'	22° 5	14°44'	5°56'	2°14'	8°56'	11°48'	12°36'	3°15	4° 6
F 12	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
S 13	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
S 14	23 33 41	21°33'37"	8 ^h 5	15°42'	0 ^h 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
T 16	23 41 34	23°30'53"	3 ^h 0	18°15'	2°26'	27° 5	22°52'	14°29'	6° 3	2° 6	9° 3	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
T 18	23 49 28	25°28'16"	20°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
F 19	23 53 24	26°27'00"	12 ^h 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
S 20	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
S 21	0 1 17	28°24'34"	11 ^h 4	24° 6	8°19'	0 ^h 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
T 23	0 9 10	0 ^h 22'17"	10 ^h 0	26°12'	10°40'	1°55'	24° 1	14°10'	6°11'	1°54'	9°12	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
T 25	0 17 3	2°20'09"	8 ^h 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
F 26	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
S 27	0 24 57	4°18'10"	7 ^h 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
S 28	0 28 53	5°17'14"	21°18'	0 ^h 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 ^h 0	1°25'	17°41'	6° 8	25° 5	13°57'	6°16'	1°44'	9°18	11°38'	11°39'	5°15	6°31
T 30	0 36 46	7 ^h 15'29"	18 ^h 28'	2 ^h 5	18 ^h 51'	6 ^h 51'	25 ^h 16'	13 ^h 55'	6 ^h 17'	1 ^h 43'	9 ^h 20'	11 ^h 38'	11 ^h 36'	5 ^h 22	6 ^h 39

Day	☉		☽		♀		♂		♃		♄		♅		♆		♇		♁		♂			
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat		
M 1	8n15	16n15	5s 4	1n18	0n 9	5s36	0n11	18s 3	1s10	17s14	0n45	17s27	1s14	23n37	0n16	0s22	1s29	24n14	6n21	4s46	5s12	16s48	5n42	5s10
T 2	7 53	13 41	4 39	0 34	0 1	6 7	0 8	18 15	1 10	17 16	0 45	17 28	1 14	23 37	0 16	0 23	1 29	24 14	6 21	4 44	5 10	16 49	5 39	5 10
W 3	7 31	10 24	3 59	0s10	0s 6	6 37	0 4	18 27	1 11	17 18	0 45	17 29	1 14	23 37	0 16	0 23	1 29	24 14	6 21	4 42	5 9	16 50	5 36	5 10
T 4	7 8	6 38	3 6	0 53	0 14	7 8	0 1	18 38	1 11	17 20	0 44	17 30	1 14	23 37	0 16	0 24	1 29	24 13	6 21	4 40	5 8	16 51	5 33	5 10
F 5	6 46	2 37	3 1	1 36	0 22	7 38	0s 2	18 50	1 12	17 23	0 44	17 31	1 14	23 37	0 16	0 25	1 29	24 13	6 22	4 39	5 7	16 51	5 30	5 10
S 6	6 24	1s26	0 56	2 18	0 30	8 8	0 6	19 1	1 12	17 25	0 44	17 32	1 14	23 37	0 16	0 25	1 29	24 13	6 22	4 39	5 5	16 52	5 27	5 10
S 7	6 1	5 21	0n13	3 0	0 38	8 38	0 9	19 12	1 13	17 28	0 44	17 33	1 14	23 37	0 16	0 26	1 29	24 13	6 22	4 38	5 4	16 53	5 24	5 10
M 8	5 39	8 56	1 20	3 42	0 46	9 8	0 13	19 23	1 13	17 30	0 44	17 34	1 14	23 37	0 16	0 27	1 29	24 12	6 22	4 39	5 3	16 53	5 21	5 10
T 9	5 16	12 6	2 22	4 23	0 54	9 38	0 16	19 34	1 14	17 32	0 43	17 35	1 14	23 37	0 16	0 27	1 29	24 12	6 22	4 39	5 2	16 54	5 19	5 10
W10	4 53	14 42	3 17	5 3	1 2	10 7	0 20	19 45	1 14	17 35	0 43	17 36	1 14	23 37	0 16	0 28	1 29	24 12	6 22	4 40	5 0	16 55	5 16	5 10
T 11	4 30	16 40	4 3	5 43	1 10	10 36	0 23	19 55	1 15	17 37	0 43	17 37	1 14	23 37	0 16	0 29	1 29	24 12	6 23	4 41	4 59	16 56	5 13	5 10
F 12	4 7	17 54	4 39	6 22	1 18	11 5	0 27	20 6	1 15	17 40	0 43	17 38	1 14	23 37	0 16	0 29	1 29	24 12	6 23	4 41	4 58	16 56	5 10	5 10
S 13	3 44	18 21	5 4	7 1	1 26	11 34	0 30	20 16	1 15	17 42	0 43	17 39	1 14	23 37	0 16	0 30	1 29	24 11	6 23	4 41	4 57	16 57	5 7	5 10
S 14	3 21	17 59	5 15	7 38	1 34	12 3	0 34	20 27	1 16	17 45	0 43	17 40	1 14	23 37	0 16	0 31	1 29	24 11	6 23	4 40	4 55	16 58	5 4	5 10
M15	2 58	16 47	5 12	8 15	1 42	12 31	0 38	20 37	1 16	17 48	0 42	17 41	1 14	23 36	0 16	0 31	1 30	24 11	6 23	4 40	4 54	16 58	5 1	5 10
T 16	2 35	14 45	4 54	8 51	1 50	12 59	0 41	20 47	1 17	17 50	0 42	17 42	1 14	23 36	0 16	0 32	1 30	24 11	6 24	4 39	4 53	16 59	4 58	5 10
W17	2 11	11 56	4 21	9 27	1 58	13 27	0 45	20 57	1 17	17 53	0 42	17 43	1 14	23 36	0 16	0 33	1 30	24 11	6 24	4 38	4 52	17 0	4 55	5 10
T 18	1 48	8 26	3 33	10 1	2 5	13 54	0 49	21 6	1 17	17 55	0 42	17 44	1 14	23 36	0 16	0 33	1 30	24 10	6 24	4 37	4 50	17 0	4 52	5 10
F 19	1 25	4 24	2 32	10 35	2 13	14 21	0 52	21 16	1 18	17 58	0 42	17 44	1 14	23 36	0 16	0 34	1 30	24 10	6 24	4 36	4 49	17 1	4 49	5 10
S 20	1 1	0 1	1 21	11 7	2 20	14 48	0 56	21 25	1 18	18 1	0 41	17 45	1 14	23 36	0 16	0 35	1 30	24 10	6 24	4 36	4 48	17 2	4 46	5 10
S 21	0 38	4n26	0 3	11 38	2 27	15 14	1 0	21 34	1 18	18 3	0 41	17 46	1 14	23 36	0 16	0 35	1 30	24 10	6 25	4 36	4 47	17 2	4 43	5 10
M22	0 15	8 41	1s16	12 9	2 34	15 41	1 3	21 43	1 19	18 6	0 41	17 47	1 14	23 36	0 16	0 36	1 30	24 10	6 25	4 36	4 45	17 3	4 40	5 10
T 23	0s 9	12 27	2 31	12 38	2 41	16 6	1 7	21 52	1 19	18 9	0 41	17 47	1 14	23 36	0 16	0 37	1 30	24 10	6 25	4 36	4 44	17 4	4 37	5 10
W24	0 32	15 26	3 36	13 5	2 47	16 32	1 11	22 1	1 19	18 11	0 41	17 48	1 14	23 36	0 16	0 37	1 30	24 10	6 25	4 36	4 43	17 4	4 34	5 10
T 25	0 56	17 26	4 27	13 32	2 53	16 57	1 14	22 9	1 20	18 14	0 41	17 49	1 14	23 36	0 16	0 38	1 30	24 9	6 25	4 37	4 42	17 5	4 31	5 10
F 26	1 19	18 18	5 1	13 57	2 59	17 22	1 18	22 18	1 20	18 17	0 40	17 49	1 14	23 36	0 16	0 39	1 30	24 9	6 26	4 37	4 40	17 6	4 28	5 10
S 27	1 43	18 0	5 16	14 20	3 5	17 46	1 22	22 26	1 20	18 20	0 40	17 50	1 14	23 36	0 16	0 39	1 30	24 9	6 26	4 37	4 39	17 6	4 25	5 10
S 28	2 6	16 38	5 13	14 41	3 10	18 10	1 25	22 34	1 21	18 22	0 40	17 50	1 14	23 36	0 16	0 40	1 30	24 9	6 26	4 37	4 38	17 7	4 22	5 10
M29	2 30	14 20	4 51	15 1	3 14																			

SWISS EPHEMERIS for the year 1698

OCTOBER 1698 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	0 40 43	8♁14'40	1♁41	2♁41	20♁ 1	7♁33	25♁27	13°R54	6♁17	1°R41	9♁21	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°22	11♁37	11°29	5°35	6°55
F 3	0 48 36	10°13'08	27°27	3°37	22°31	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°24	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°25	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°26	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
F 10	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
S 11	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
S 12	1 24 5	19° 7'56	16° 5	2°17	2°45	15°28	27°32	13°41	6°R21	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°32	11°34	10°54	6°49	8°17
T 14	1 31 58	21° 7'06	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
T 16	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
F 17	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
S 18	1 47 44	25° 5'49	4°Y57	25°50	9°36	19°51	28°45	13°D40	6°19	1°14	9°35	11°R38	10°38	7°22	8°52
S 19	1 51 41	26° 5'34	19°28	24°35	10°44	20°36	28°57	13°40	6°19	1°13	9°36	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°37	10°32	7°36	9° 6
T 21	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° 5'02	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
T 23	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
F 24	2 11 23	1° 4'52	3♁39	19°37	16°23	24°17	29°59	13°42	6°17	1° 5	9°38	11°29	10°19	8° 3	9°32
S 25	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
S 26	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°40	11°28	10°10	8°23	9°51
T 28	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
T 30	2 35 3	7° 5'12	24°16	19°15	23° 4	28°46	1°15	13°47	6°12	0°57	9°41	11°32	10° 0	8°43	10°10
F 31	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

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	3s16	7n43	3s24	15s34	3s21	19s19	1s36	22s56	1s21	18s31	0n40	17s52	1s14	23n36	0n17	0s42	1s30	24n 9	6n27	4s36	4s34	17s 9	4n14	5s10
T 2	3 40	3 50	2 24	15 47	3 24	19 41	1 40	23 4	1 22	18 33	0 39	17 52	1 14	23 36	0 17	0 43	1 30	24 9	6 27	4 36	4 33	17 10	4 11	5 11
F 3	4 3	0s11	1 18	15 58	3 26	20 3	1 43	23 11	1 22	18 36	0 39	17 53	1 14	23 36	0 17	0 43	1 30	24 9	6 27	4 36	4 32	17 10	4 8	5 11
S 4	4 26	4 6	0 9	16 6	3 27	20 24	1 47	23 17	1 22	18 39	0 39	17 53	1 14	23 36	0 17	0 44	1 30	24 9	6 27	4 36	4 31	17 11	4 5	5 11
S 5	4 50	7 48	0n59	16 10	3 27	20 45	1 50	23 24	1 22	18 42	0 39	17 53	1 14	23 36	0 17	0 45	1 30	24 9	6 28	4 36	4 29	17 12	4 2	5 11
M 6	5 13	11 6	2 4	16 12	3 26	21 5	1 53	23 30	1 22	18 45	0 39	17 54	1 14	23 36	0 17	0 45	1 30	24 9	6 28	4 36	4 28	17 12	3 59	5 11
T 7	5 36	13 54	3 2	16 10	3 24	21 25	1 57	23 36	1 23	18 47	0 39	17 54	1 14	23 36	0 17	0 46	1 30	24 8	6 28	4 36	4 27	17 13	3 56	5 11
W 8	5 59	16 5	3 52	16 4	3 20	21 44	2 0	23 42	1 23	18 50	0 39	17 54	1 14	23 36	0 17	0 46	1 30	24 8	6 28	4 36	4 26	17 13	3 53	5 11
T 9	6 22	17 33	4 31	15 54	3 15	22 2	2 4	23 48	1 23	18 53	0 38	17 54	1 14	23 36	0 17	0 47	1 30	24 8	6 28	4 36	4 24	17 14	3 50	5 12
F 10	6 45	18 16	4 59	15 39	3 9	22 21	2 7	23 54	1 23	18 56	0 38	17 55	1 14	23 36	0 17	0 48	1 30	24 8	6 29	4 35	4 23	17 15	3 47	5 12
S 11	7 7	18 11	5 14	15 20	3 0	22 38	2 10	23 59	1 23	18 59	0 38	17 55	1 14	23 36	0 17	0 48	1 30	24 8	6 29	4 35	4 22	17 15	3 45	5 12
S 12	7 30	17 16	5 16	14 57	2 50	22 55	2 13	24 4	1 23	19 1	0 38	17 55	1 14	23 36	0 17	0 49	1 30	24 8	6 29	4 35	4 21	17 16	3 42	5 12
M13	7 53	15 34	5 4	14 29	2 39	23 12	2 16	24 9	1 24	19 4	0 38	17 55	1 14	23 36	0 17	0 50	1 30	24 8	6 29	4 35	4 19	17 17	3 39	5 12
T 14	8 15	13 5	4 37	13 56	2 25	23 27	2 19	24 13	1 24	19 7	0 38	17 55	1 14	23 36	0 17	0 50	1 30	24 8	6 30	4 35	4 18	17 17	3 36	5 12
W15	8 37	9 55	3 55	13 19	2 10	23 43	2 22	24 18	1 24	19 10	0 38	17 55	1 13	23 36	0 17	0 51	1 30	24 9	6 30	4 36	4 17	17 18	3 33	5 13
T 16	9 0	6 8	3 0	12 38	1 52	23 57	2 25	24 22	1 24	19 13	0 37	17 55	1 13	23 36	0 17	0 51	1 30	24 9	6 30	4 36	4 16	17 18	3 30	5 13
F 17	9 22	1 55	1 53	11 55	1 34	24 11	2 28	24 26	1 24	19 16	0 37	17 55	1 13	23 36	0 17	0 52	1 30	24 9	6 30	4 36	4 14	17 19	3 28	5 13
S 18	9 44	2n32	0 37	11 9	1 14	24 25	2 31	24 29	1 24	19 18	0 37	17 55	1 13	23 36	0 17	0 53	1 30	24 9	6 31	4 37	4 13	17 20	3 25	5 13
S 19	10 5	6 58	0s43	10 22	0 54	24 38	2 34	24 33	1 24	19 21	0 37	17 55	1 13	23 36	0 17	0 53	1 29	24 9	6 31	4 37	4 12	17 20	3 22	5 13
M20	10 27	11 3	2 2	9 36	0 33	24 50	2 37	24 36	1 24	19 24	0 37	17 55	1 13	23 36	0 17	0 54	1 29	24 9	6 31	4 36	4 11	17 21	3 19	5 14
T 21	10 49	14 28	3 13	8 52	0 13	25 1	2 39	24 39	1 24	19 27	0 37	17 55	1 13	23 37	0 17	0 54	1 29	24 9	6 31	4 36	4 9	17 21	3 17	5 14
W22	11 10	16 54	4 11	8 10	0n 7	25 12	2 42	24 41	1 24	19 30	0 37	17 55	1 13	23 37	0 17	0 55	1 29	24 9	6 32	4 35	4 8	17 22	3 14	5 14
T 23	11 31	18 11	4 52	7 33	0 27	25 23	2 44	24 44	1 25	19 32	0 37	17 55	1 13	23 37	0 17	0 55	1 29	24 9	6 32	4 34	4 7	17 22	3 11	5 14
F 24	11 52	18 13	5 13	7 0	0 45	25 32	2 47	24 46	1 25	19 35	0 36	17 54	1 13	23 37	0 17	0 56	1 29	24 9	6 32	4 33	4 6	17 23	3 9	5 15
S 25	12 13	17 6	5 13	6 32	1 1	25 41	2 49	24 47	1 25	19 38	0 36	17 54	1 13	23 37	0 17	0 56	1 29	24 9	6 32	4 32	4 4	17 24	3 6	5 15
S 26	12 34	14 58	4 56	6 11	1 16	25 50	2 51	24 49	1 25	19 41	0 36	17 54	1 13	23 37	0 17	0 57	1 29	24 9	6 33	4 32	4 3	17 24	3 3	5 15
M27	12 54	12 4	4 22	5 55	1 29	25 57	2 53	24 50	1 25	19 43	0 36	17 54	1 13	23 37	0 17	0 58	1 29	24 10	6 33	4 32	4 2	17 25	3 1	5 16
T 28	13 14	8 36	3 35	5 46	1 41	26 4	2 55	24 51	1 25	19 46	0 36	17 53	1 13	23 37	0 17	0 58	1 29	24 10	6 33	4 33	4 1	17 25	2 58	5 16
W29	13 34	4 48	2 37	5 42	1 50	26 11	2 57	24 52	1 25	19 49	0 36	17 53	1 13	23 37	0 17	0 59	1 29							

SWISS EPHEMERIS for the year 1698

NOVEMBER 1698 GC

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°V54	9°42	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°34									
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°21	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°11'25	12♌48	8°21	10°19	10°53	4°45	14°20	5°50	0°40	9°42	10°R57	9° 9	10°30	11°37									
S 16	3 42 4	24°12'01	27°21	9°53	11°21	11°39	4°58	14°23	5°49	0°39	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°42	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°36	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°34	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°19'13	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°39	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°38	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°V31	9♍37	10♌ 9	8♌22	12♌11	12♎36									

Day	☉	☽	♀	♂	♄	♃	♅	♁	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	14s33	6s49	0n41	6s 1	2n 9	26s25	3s 2	24s53	1s25	19s57	0n35	17s52	1s13	23n37	0n17	1s 0	1s29	24n10	6n34	4s34	3s56	17s28	2n48	5s17
S 2	14 52	10 14	1 45	6 17	2 12	26 29	3 4	24 53	1 25	20 0	0 35	17 51	1 13	23 37	0 17	1 0	1 29	24 10	6 34	4 34	3 54	17 28	2 46	5 17
M 3	15 11	13 11	2 44	6 36	2 14	26 32	3 5	24 52	1 25	20 2	0 35	17 51	1 13	23 37	0 17	1 1	1 29	24 11	6 35	4 33	3 53	17 29	2 43	5 18
T 4	15 30	15 34	3 36	6 58	2 15	26 34	3 6	24 52	1 24	20 5	0 35	17 50	1 12	23 37	0 17	1 1	1 29	24 11	6 35	4 31	3 52	17 29	2 41	5 18
W 5	15 48	17 16	4 17	7 23	2 15	26 36	3 7	24 50	1 24	20 8	0 35	17 49	1 12	23 37	0 17	1 2	1 29	24 11	6 35	4 28	3 51	17 30	2 38	5 18
T 6	16 6	18 13	4 48	7 50	2 14	26 37	3 8	24 49	1 24	20 10	0 35	17 49	1 12	23 38	0 17	1 2	1 29	24 11	6 35	4 26	3 49	17 30	2 36	5 19
F 7	16 24	18 22	5 6	8 19	2 12	26 37	3 9	24 48	1 24	20 13	0 35	17 48	1 12	23 38	0 17	1 3	1 29	24 11	6 36	4 24	3 48	17 31	2 33	5 19
S 8	16 41	17 43	5 11	8 50	2 9	26 36	3 10	24 46	1 24	20 16	0 35	17 47	1 12	23 38	0 17	1 3	1 29	24 12	6 36	4 22	3 47	17 31	2 31	5 19
S 9	16 59	16 17	5 3	9 22	2 6	26 35	3 11	24 43	1 24	20 18	0 35	17 47	1 12	23 38	0 17	1 3	1 29	24 12	6 36	4 20	3 46	17 32	2 29	5 20
M10	17 16	14 6	4 40	9 55	2 2	26 34	3 11	24 41	1 24	20 21	0 34	17 46	1 12	23 38	0 17	1 4	1 29	24 12	6 36	4 19	3 44	17 32	2 27	5 20
T 11	17 32	11 13	4 5	10 29	1 58	26 31	3 11	24 38	1 24	20 23	0 34	17 45	1 12	23 38	0 17	1 4	1 29	24 12	6 37	4 19	3 43	17 33	2 24	5 20
W12	17 49	7 45	3 16	11 3	1 53	26 28	3 12	24 35	1 24	20 26	0 34	17 45	1 12	23 38	0 18	1 4	1 29	24 13	6 37	4 19	3 42	17 33	2 22	5 21
T 13	18 5	3 47	2 16	11 38	1 47	26 24	3 12	24 32	1 24	20 29	0 34	17 44	1 12	23 38	0 18	1 5	1 29	24 13	6 37	4 19	3 41	17 34	2 20	5 21
F 14	18 21	0n30	1 6	12 13	1 42	26 20	3 12	24 29	1 24	20 31	0 34	17 43	1 12	23 38	0 18	1 5	1 29	24 13	6 37	4 20	3 39	17 35	2 18	5 21
S 15	18 36	4 55	0s10	12 48	1 36	26 15	3 11	24 25	1 23	20 34	0 34	17 42	1 12	23 38	0 18	1 5	1 29	24 13	6 38	4 20	3 38	17 35	2 16	5 22
S 16	18 51	9 11	1 28	13 23	1 30	26 10	3 11	24 21	1 23	20 36	0 34	17 41	1 12	23 38	0 18	1 6	1 29	24 14	6 38	4 20	3 37	17 36	2 13	5 22
M17	19 6	12 59	2 41	13 58	1 23	26 3	3 10	24 16	1 23	20 39	0 34	17 40	1 12	23 39	0 18	1 6	1 29	24 14	6 38	4 19	3 36	17 36	2 11	5 22
T 18	19 20	15 59	3 45	14 32	1 17	25 57	3 10	24 12	1 23	20 41	0 34	17 39	1 12	23 39	0 18	1 6	1 29	24 14	6 38	4 16	3 34	17 37	2 9	5 23
W19	19 34	17 52	4 32	15 6	1 10	25 49	3 9	24 7	1 23	20 44	0 34	17 38	1 12	23 39	0 18	1 7	1 29	24 15	6 39	4 14	3 33	17 37	2 7	5 23
T 20	19 48	18 27	5 0	15 40	1 3	25 41	3 8	24 2	1 22	20 46	0 34	17 37	1 12	23 39	0 18	1 7	1 29	24 15	6 39	4 11	3 32	17 38	2 5	5 24
F 21	20 1	17 45	5 7	16 13	0 57	25 33	3 7	23 56	1 22	20 48	0 33	17 36	1 12	23 39	0 18	1 7	1 29	24 15	6 39	4 8	3 31	17 38	2 3	5 24
S 22	20 14	15 53	4 54	16 46	0 50	25 23	3 5	23 51	1 22	20 51	0 33	17 35	1 12	23 39	0 18	1 7	1 29	24 16	6 39	4 6	3 29	17 39	2 1	5 24
S 23	20 27	13 6	4 23	17 17	0 43	25 14	3 4	23 45	1 22	20 53	0 33	17 34	1 12	23 39	0 18	1 7	1 28	24 16	6 40	4 4	3 28	17 39	2 0	5 25
M24	20 39	9 41	3 38	17 49	0 36	25 4	3 2	23 38	1 22	20 56	0 33	17 33	1 11	23 39	0 18	1 8	1 28	24 16	6 40	4 3	3 27	17 40	1 58	5 25
T 25																								

SWISS EPHEMERIS for the year 1698

DECEMBER 1698 GC

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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°35	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°33	8°53	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°30	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°R40	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°37'13	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°29	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°32	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°12	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

Day	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	21s54	15s 1	3n24	21s 3	0s13	23s38	2s44	22s47	1s20	21s12	0n33	17s25	1s11	23n40	0n18	1s 9	1s28	24n19	6n42	3s59	3s18	17s43	1n46	5s28
T 2	22 3	16 56	4 6	21 28	0 19	23 24	2 41	22 39	1 20	21 14	0 33	17 23	1 11	23 40	0 18	1 9	1 28	24 19	6 42	3 55	3 17	17 43	1 44	5 29
W 3	22 11	18 7	4 37	21 51	0 26	23 9	2 37	22 30	1 19	21 16	0 32	17 22	1 11	23 40	0 18	1 9	1 28	24 20	6 42	3 50	3 16	17 44	1 43	5 29
T 4	22 19	18 31	4 56	22 13	0 32	22 54	2 33	22 22	1 19	21 18	0 32	17 21	1 11	23 40	0 18	1 9	1 28	24 20	6 42	3 45	3 14	17 44	1 41	5 29
F 5	22 27	18 7	5 2	22 34	0 39	22 39	2 29	22 12	1 19	21 20	0 32	17 19	1 11	23 40	0 18	1 9	1 28	24 20	6 43	3 40	3 13	17 45	1 40	5 30
S 6	22 34	16 54	4 56	22 53	0 45	22 24	2 25	22 3	1 18	21 22	0 32	17 18	1 11	23 41	0 18	1 9	1 28	24 21	6 43	3 36	3 12	17 45	1 39	5 30
S 7	22 41	14 56	4 35	23 12	0 51	22 8	2 20	21 54	1 18	21 24	0 32	17 16	1 11	23 41	0 18	1 9	1 28	24 21	6 43	3 32	3 11	17 46	1 37	5 31
M 8	22 47	12 17	4 2	23 30	0 57	21 51	2 16	21 44	1 18	21 27	0 32	17 15	1 11	23 41	0 18	1 9	1 28	24 22	6 43	3 29	3 9	17 46	1 36	5 31
T 9	22 53	9 2	3 17	23 46	1 3	21 35	2 11	21 34	1 17	21 29	0 32	17 14	1 11	23 41	0 18	1 9	1 28	24 22	6 43	3 27	3 8	17 46	1 35	5 32
W10	22 59	5 19	2 22	24 1	1 8	21 18	2 6	21 23	1 17	21 31	0 32	17 12	1 11	23 41	0 18	1 9	1 28	24 23	6 44	3 27	3 7	17 47	1 34	5 32
T 11	23 4	1 14	1 18	24 15	1 14	21 1	2 0	21 13	1 17	21 33	0 32	17 11	1 11	23 41	0 18	1 9	1 28	24 23	6 44	3 27	3 5	17 47	1 32	5 32
F 12	23 8	3n 1	0 7	24 27	1 19	20 43	1 54	21 2	1 16	21 35	0 32	17 9	1 11	23 41	0 18	1 9	1 28	24 23	6 44	3 27	3 4	17 48	1 31	5 33
S 13	23 13	7 16	1s 6	24 39	1 24	20 26	1 48	20 51	1 16	21 36	0 32	17 7	1 11	23 41	0 18	1 9	1 28	24 24	6 44	3 26	3 3	17 48	1 30	5 33
S 14	23 16	11 14	2 17	24 49	1 29	20 8	1 42	20 40	1 16	21 38	0 32	17 6	1 11	23 41	0 18	1 9	1 28	24 24	6 45	3 25	3 2	17 49	1 29	5 34
M15	23 19	14 37	3 21	24 57	1 34	19 50	1 36	20 28	1 15	21 40	0 32	17 4	1 11	23 42	0 18	1 9	1 28	24 25	6 45	3 23	3 0	17 49	1 28	5 34
T 16	23 22	17 5	4 13	25 5	1 38	19 31	1 29	20 17	1 15	21 42	0 32	17 3	1 11	23 42	0 18	1 9	1 28	24 25	6 45	3 20	2 59	17 50	1 27	5 35
W17	23 24	18 23	4 47	25 10	1 42	19 13	1 22	20 5	1 15	21 44	0 31	17 1	1 11	23 42	0 18	1 9	1 27	24 26	6 45	3 16	2 58	17 50	1 26	5 35
T 18	23 26	18 20	5 1	25 15	1 46	18 55	1 14	19 53	1 14	21 46	0 31	16 59	1 11	23 42	0 18	1 8	1 27	24 26	6 45	3 12	2 57	17 50	1 25	5 36
F 19	23 27	16 59	4 53	25 18	1 50	18 36	1 7	19 41	1 14	21 48	0 31	16 58	1 11	23 42	0 18	1 8	1 27	24 27	6 46	3 7	2 55	17 51	1 25	5 36
S 20	23 28	14 30	4 25	25 20	1 53	18 17	0 59	19 28	1 13	21 49	0 31	16 56	1 11	23 42	0 18	1 8	1 27	24 27	6 46	3 3	2 54	17 51	1 24	5 36
S 21	23 29	11 13	3 42	25 20	1 57	17 59	0 50	19 15	1 13	21 51	0 31	16 54	1 11	23 42	0 18	1 8	1 27	24 27	6 46	3 1	2 53	17 52	1 23	5 37
M22	23 28	7 24	2 46	25 18	1 59	17 40	0 42	19 2	1 13	21 53	0 31	16 52	1 11	23 42	0 18	1 8	1 27	24 28	6 46	2 59	2 52	17 52	1 23	5 37
T 23	23 28	3 21	1 43	25 15	2 2	17 21	0 33	18 49	1 12	21 55	0 31	16 51	1 11	23 42	0 18	1 8	1 27	24 28	6 46	2 58	2 50	17 52	1 22	5 38
W24	23 27	0s43	0 37	25 11	2 4	17 2	0 24	18 36	1 12	21 56	0 31	16 49	1 11	23 42	0 18	1 7	1 27	24 29	6 47	2 58	2 49	17 53	1 21	5 38
T 25	23 25	4 39	0n29	25 5	2 6	16 44	0 14	18 22	1 11	21 58	0 31	16 47	1 11	23 43	0 18	1 7	1 27	24 29	6 47	2 58	2 48	17 53	1 21	5 39
F 26	23 23	8 18	1 32	24 57	2 7	16 25	0 4	18 9	1 11	22 0	0 31	16 45	1 11	23 43	0 18	1 7	1 27	24 30	6 47	2 57	2 47	17 54	1 20	5 39
S 27	23 21	11 33	2 30	24 48	2 8	16 6	0n 6	17 55	1 10	22 1	0 31	16 43	1 11	23 43	0 18	1 7	1 27	24 30	6 47	2 56	2 45	17 54	1 20	5 39
S 28	23 18	14 17	3 20	24 37	2 9	15 48	0 16	17 41	1 10	22 3	0 31	16 42	1 11	23 43	0 18	1 6	1 27	24 31	6 47	2 54	2 44	17 54	1 20	5 40
M29	23 14	16 24	4 2	24 25	2 9	15 30	0 27	17 26	1 9	22 4	0 31	16 40	1 11	23 43	0 18	1 6	1 27</							