

Tijdvereffening en Declinatie tabel

aangeleverd door Thijs de Vries

TIJDVEREFFENING (E.T.) EN DECLINATIE (DEC.) OM 12h00m M.E.T.

JAN 2017			FEB 2017			MRT 2017		
DA-TUM	E.T. m s	DEC. ° '	DA-TUM	E.T. m s	DEC. ° '	DA-TUM	E.T. m s	DEC. ° '
01:	-03 39	-22 57.6	01:	-13 36	-16 58.4	01:	-12 17	-07 25.3
02:	-04 07	-22 52.3	02:	-13 43	-16 41.0	02:	-12 05	-07 02.4
03:	-04 35	-22 46.4	03:	-13 49	-16 23.4	03:	-11 53	-06 39.4
04:	-05 02	-22 40.2	04:	-13 55	-16 05.5	04:	-11 40	-06 16.3
05:	-05 29	-22 33.4	05:	-14 00	-15 47.3	05:	-11 26	-05 53.1
06:	-05 56	-22 26.3	06:	-14 04	-15 28.8	06:	-11 13	-05 29.8
07:	-06 21	-22 18.7	07:	-14 07	-15 10.1	07:	-10 58	-05 06.5
08:	-06 47	-22 10.6	08:	-14 10	-14 51.1	08:	-10 44	-04 43.1
09:	-07 12	-22 02.1	09:	-14 11	-14 31.9	09:	-10 29	-04 19.7
10:	-07 36	-21 53.2	10:	-14 12	-14 12.4	10:	-10 13	-03 56.2
11:	-07 60	-21 43.9	11:	-14 12	-13 52.7	11:	-09 57	-03 32.6
12:	-08 23	-21 34.1	12:	-14 12	-13 32.7	12:	-09 41	-03 09.0
13:	-08 45	-21 23.9	13:	-14 10	-13 12.6	13:	-09 25	-02 45.4
14:	-09 07	-21 13.3	14:	-14 08	-12 52.2	14:	-09 08	-02 21.7
15:	-09 28	-21 02.3	15:	-14 05	-12 31.6	15:	-08 51	-01 58.1
16:	-09 49	-20 50.9	16:	-14 02	-12 10.8	16:	-08 34	-01 34.4
17:	-10 08	-20 39.1	17:	-13 57	-11 49.8	17:	-08 17	-01 10.6
18:	-10 27	-20 26.9	18:	-13 52	-11 28.7	18:	-07 60	-00 46.9
19:	-10 46	-20 14.4	19:	-13 47	-11 07.3	19:	-07 42	-00 23.2
20:	-11 04	-20 01.4	20:	-13 41	-10 45.8	20:	-07 24	+00 00.5
21:	-11 20	-19 48.1	21:	-13 34	-10 24.1	21:	-07 07	+00 24.2
22:	-11 37	-19 34.4	22:	-13 26	-10 02.2	22:	-06 49	+00 47.9
23:	-11 52	-19 20.3	23:	-13 18	-09 40.2	23:	-06 31	+01 11.6
24:	-12 07	-19 05.9	24:	-13 09	-09 18.0	24:	-06 13	+01 35.2
25:	-12 21	-18 51.1	25:	-13 00	-08 55.7	25:	-05 55	+01 58.8
26:	-12 34	-18 36.0	26:	-12 50	-08 33.3	26:	-05 37	+02 22.3
27:	-12 46	-18 20.5	27:	-12 40	-08 10.7	27:	-05 18	+02 45.8
28:	-12 58	-18 04.7	28:	-12 29	-07 48.1	28:	-05 00	+03 09.3
29:	-13 08	-17 48.6				29:	-04 42	+03 32.7
30:	-13 18	-17 32.2				30:	-04 25	+03 56.0
31:	-13 27	-17 15.4				31:	-04 07	+04 19.2

APR 2017			MEI 2017			JUN 2017		
DA-TUM	E.T. m s	DEC. ° '	DA-TUM	E.T. m s	DEC. ° '	DA-TUM	E.T. m s	DEC. ° '
01:	-03 49	+04 42.4	01:	+02 56	+15 12.3	01:	+02 08	+22 06.5
02:	-03 31	+05 05.5	02:	+03 02	+15 30.3	02:	+01 59	+22 14.3
03:	-03 14	+05 28.5	03:	+03 09	+15 47.9	03:	+01 49	+22 21.7
04:	-02 56	+05 51.4	04:	+03 14	+16 05.3	04:	+01 39	+22 28.7
05:	-02 39	+06 14.1	05:	+03 19	+16 22.4	05:	+01 28	+22 35.3
06:	-02 22	+06 36.8	06:	+03 24	+16 39.3	06:	+01 18	+22 41.5
07:	-02 05	+06 59.4	07:	+03 28	+16 55.9	07:	+01 07	+22 47.3
08:	-01 48	+07 21.8	08:	+03 31	+17 12.2	08:	+00 55	+22 52.7
09:	-01 32	+07 44.1	09:	+03 34	+17 28.2	09:	+00 44	+22 57.8
10:	-01 15	+08 06.3	10:	+03 37	+17 43.9	10:	+00 32	+23 02.4
11:	-00 60	+08 28.4	11:	+03 39	+17 59.3	11:	+00 20	+23 06.6
12:	-00 44	+08 50.3	12:	+03 40	+18 14.4	12:	+00 07	+23 10.4
13:	-00 29	+09 12.0	13:	+03 40	+18 29.2	13:	-00 05	+23 13.8
14:	-00 14	+09 33.6	14:	+03 40	+18 43.7	14:	-00 18	+23 16.7
15:	+00 01	+09 55.1	15:	+03 40	+18 57.9	15:	-00 30	+23 19.3
16:	+00 15	+10 16.4	16:	+03 39	+19 11.8	16:	-00 43	+23 21.5
17:	+00 29	+10 37.5	17:	+03 37	+19 25.3	17:	-00 56	+23 23.2
18:	+00 43	+10 58.4	18:	+03 35	+19 38.5	18:	-01 09	+23 24.5
19:	+00 56	+11 19.2	19:	+03 32	+19 51.4	19:	-01 22	+23 25.5
20:	+01 08	+11 39.8	20:	+03 29	+20 03.9	20:	-01 36	+23 26.0
21:	+01 20	+12 00.2	21:	+03 25	+20 16.1	21:	-01 49	+23 26.1
22:	+01 32	+12 20.4	22:	+03 20	+20 28.0	22:	-02 02	+23 25.7
23:	+01 43	+12 40.4	23:	+03 15	+20 39.5	23:	-02 15	+23 25.0
24:	+01 54	+13 00.1	24:	+03 10	+20 50.6	24:	-02 28	+23 23.9
25:	+02 04	+13 19.7	25:	+03 04	+21 01.4	25:	-02 41	+23 22.3
26:	+02 14	+13 39.1	26:	+02 57	+21 11.8	26:	-02 53	+23 20.3
27:	+02 24	+13 58.2	27:	+02 50	+21 21.9	27:	-03 06	+23 18.0
28:	+02 32	+14 17.1	28:	+02 43	+21 31.5	28:	-03 18	+23 15.2
29:	+02 41	+14 35.8	29:	+02 35	+21 40.9	29:	-03 31	+23 12.0
30:	+02 48	+14 54.2	30:	+02 26	+21 49.8	30:	-03 42	+23 08.4
31:			31:	+02 18	+21 58.3			



TIJDVEREFFENING (E.T.) EN DECLINATIE (DEC.) OM 12h00m M.E.T.

JUL 2017			AUG 2017			SEP 2017		
DA-TUM	E.T. m s	DEC. ° ' "	DA-TUM	E.T. m s	DEC. ° ' "	DA-TUM	E.T. m s	DEC. ° ' "
01:	-03 54	+23 04.4	01:	-06 20	+17 54.0	01:	+00 03	+08 07.1
02:	-04 05	+22 59.9	02:	-06 15	+17 38.7	02:	+00 22	+07 45.2
03:	-04 16	+22 55.1	03:	-06 10	+17 23.0	03:	+00 42	+07 23.3
04:	-04 27	+22 49.9	04:	-06 05	+17 07.1	04:	+01 02	+07 01.1
05:	-04 38	+22 44.3	05:	-05 59	+16 50.9	05:	+01 22	+06 38.9
06:	-04 48	+22 38.3	06:	-05 52	+16 34.4	06:	+01 42	+06 16.6
07:	-04 57	+22 31.9	07:	-05 45	+16 17.6	07:	+02 03	+05 54.2
08:	-05 06	+22 25.1	08:	-05 37	+16 00.6	08:	+02 24	+05 31.6
09:	-05 15	+22 18.0	09:	-05 29	+15 43.4	09:	+02 44	+05 09.0
10:	-05 24	+22 10.4	10:	-05 20	+15 25.9	10:	+03 05	+04 46.3
11:	-05 32	+22 02.5	11:	-05 10	+15 08.1	11:	+03 27	+04 23.5
12:	-05 39	+21 54.2	12:	-04 60	+14 50.1	12:	+03 48	+04 00.6
13:	-05 46	+21 45.5	13:	-04 49	+14 31.8	13:	+04 09	+03 37.7
14:	-05 53	+21 36.4	14:	-04 38	+14 13.4	14:	+04 30	+03 14.7
15:	-05 59	+21 27.0	15:	-04 26	+13 54.7	15:	+04 52	+02 51.6
16:	-06 05	+21 17.2	16:	-04 14	+13 35.7	16:	+05 13	+02 28.4
17:	-06 10	+21 07.0	17:	-04 01	+13 16.6	17:	+05 34	+02 05.3
18:	-06 15	+20 56.5	18:	-03 48	+12 57.2	18:	+05 56	+01 42.0
19:	-06 19	+20 45.6	19:	-03 34	+12 37.7	19:	+06 17	+01 18.8
20:	-06 22	+20 34.4	20:	-03 20	+12 17.9	20:	+06 38	+00 55.5
21:	-06 25	+20 22.9	21:	-03 06	+11 57.9	21:	+06 60	+00 32.1
22:	-06 28	+20 10.9	22:	-02 50	+11 37.8	22:	+07 21	+00 08.8
23:	-06 30	+19 58.7	23:	-02 35	+11 17.5	23:	+07 42	-00 14.6
24:	-06 31	+19 46.1	24:	-02 19	+10 56.9	24:	+08 02	-00 37.9
25:	-06 32	+19 33.2	25:	-02 02	+10 36.3	25:	+08 23	-01 01.3
26:	-06 32	+19 20.0	26:	-01 46	+10 15.4	26:	+08 44	-01 24.7
27:	-06 31	+19 06.4	27:	-01 28	+09 54.4	27:	+09 04	-01 48.0
28:	-06 30	+18 52.6	28:	-01 11	+09 33.2	28:	+09 24	-02 11.4
29:	-06 28	+18 38.4	29:	-00 53	+09 11.9	29:	+09 44	-02 34.7
30:	-06 26	+18 23.9	30:	-00 35	+08 50.4	30:	+10 04	-02 58.0
31:	-06 23	+18 09.1	31:	-00 16	+08 28.8			

OKT 2017			NOV 2017			DEC 2017		
DA-TUM	E.T. m s	DEC. ° ' "	DA-TUM	E.T. m s	DEC. ° ' "	DA-TUM	E.T. m s	DEC. ° ' "
01:	+10 23	-03 21.3	01:	+16 25	-14 33.8	01:	+10 54	-21 51.7
02:	+10 43	-03 44.5	02:	+16 26	-14 52.7	02:	+10 32	-22 00.7
03:	+11 01	-04 07.7	03:	+16 26	-15 11.5	03:	+10 08	-22 09.2
04:	+11 20	-04 30.8	04:	+16 25	-15 30.0	04:	+09 44	-22 17.3
05:	+11 38	-04 53.9	05:	+16 24	-15 48.2	05:	+09 20	-22 24.9
06:	+11 56	-05 16.9	06:	+16 22	-16 06.2	06:	+08 54	-22 32.2
07:	+12 13	-05 39.8	07:	+16 19	-16 23.9	07:	+08 29	-22 38.9
08:	+12 30	-06 02.7	08:	+16 15	-16 41.4	08:	+08 03	-22 45.3
09:	+12 47	-06 25.5	09:	+16 10	-16 58.5	09:	+07 36	-22 51.2
10:	+13 03	-06 48.2	10:	+16 04	-17 15.4	10:	+07 09	-22 56.6
11:	+13 19	-07 10.8	11:	+15 58	-17 32.0	11:	+06 41	-23 01.6
12:	+13 34	-07 33.4	12:	+15 50	-17 48.3	12:	+06 13	-23 06.1
13:	+13 48	-07 55.8	13:	+15 42	-18 04.2	13:	+05 45	-23 10.2
14:	+14 02	-08 18.1	14:	+15 33	-18 19.9	14:	+05 17	-23 13.8
15:	+14 16	-08 40.3	15:	+15 23	-18 35.2	15:	+04 48	-23 17.0
16:	+14 29	-09 02.4	16:	+15 12	-18 50.2	16:	+04 19	-23 19.7
17:	+14 41	-09 24.4	17:	+15 00	-19 04.9	17:	+03 49	-23 21.9
18:	+14 52	-09 46.2	18:	+14 48	-19 19.2	18:	+03 20	-23 23.6
19:	+15 03	-10 07.9	19:	+14 34	-19 33.2	19:	+02 50	-23 24.9
20:	+15 14	-10 29.4	20:	+14 20	-19 46.8	20:	+02 20	-23 25.7
21:	+15 24	-10 50.8	21:	+14 05	-20 00.1	21:	+01 50	-23 26.1
22:	+15 33	-11 12.0	22:	+13 49	-20 13.0	22:	+01 20	-23 26.0
23:	+15 41	-11 33.0	23:	+13 33	-20 25.5	23:	+00 50	-23 25.4
24:	+15 49	-11 53.9	24:	+13 15	-20 37.7	24:	+00 21	-23 24.3
25:	+15 56	-12 14.6	25:	+12 57	-20 49.5	25:	-00 09	-23 22.7
26:	+16 02	-12 35.1	26:	+12 39	-21 00.9	26:	-00 39	-23 20.7
27:	+16 08	-12 55.4	27:	+12 19	-21 11.8	27:	-01 08	-23 18.3
28:	+16 13	-13 15.5	28:	+11 59	-21 22.4	28:	-01 38	-23 15.3
29:	+16 17	-13 35.4	29:	+11 38	-21 32.6	29:	-02 07	-23 11.9
30:	+16 20	-13 55.1	30:	+11 16	-21 42.4	30:	-02 36	-23 08.0
31:	+16 23	-14 14.5				31:	-03 04	-23 03.7