

Tabelle1

Datum	RA	DE	Erdabstand	ionnenabstan	Aufgang	Kulmination	Untergang
	Epoche des Dat	Epoche des D	[AE]	[AE]			
24.12.2014	05h 53m 42s	-31°24'12"	0,58	1,40	20:45	00:01	03:12
25.12.2014	05h 47m 08s	-30°01'02"	0,57	1,39	20:24	23:47	03:13
26.12.2014	05h 40m 26s	-28°31'17"	0,55	1,39	20:02	23:36	03:13
27.12.2014	05h 33m 37s	-26°54'48"	0,54	1,38	19:40	23:25	03:14
28.12.2014	05h 26m 42s	-25°11'27"	0,53	1,38	19:18	23:14	03:14
29.12.2014	05h 19m 43s	-23°21'15"	0,52	1,37	18:56	23:03	03:15
30.12.2014	05h 12m 40s	-21°24'16"	0,51	1,37	18:34	22:52	03:15
31.12.2014	05h 05m 34s	-19°20'46"	0,50	1,36	18:11	22:41	03:16
01.01.2015	04h 58m 27s	-17°11'04"	0,49	1,36	17:49	22:30	03:16
02.01.2015	04h 51m 20s	-14°55'42"	0,48	1,35	17:26	22:19	03:16
03.01.2015	04h 44m 14s	-12°35'19"	0,48	1,35	17:04	22:08	03:17
04.01.2015	04h 37m 10s	-10°10'42"	0,47	1,35	16:41	21:57	03:17
05.01.2015	04h 30m 10s	-07°42'45"	0,47	1,34	16:19	21:47	03:18
06.01.2015	04h 23m 15s	-05°12'28"	0,47	1,34	15:57	21:36	03:19
07.01.2015	04h 16m 24s	-02°40'56"	0,47	1,33	15:35	21:25	03:19
08.01.2015	04h 09m 41s	-00°09'12"	0,47	1,33	15:13	21:14	03:20
09.01.2015	04h 03m 04s	+02°21'40"	0,47	1,33	14:51	21:04	03:21
10.01.2015	03h 56m 36s	+04°50'39"	0,48	1,32	14:29	20:53	03:22
11.01.2015	03h 50m 17s	+07°16'52"	0,48	1,32	14:08	20:43	03:23
12.01.2015	03h 44m 06s	+09°39'30"	0,49	1,32	13:47	20:33	03:24
13.01.2015	03h 38m 06s	+11°57'54"	0,50	1,31	13:26	20:23	03:25
14.01.2015	03h 32m 16s	+14°11'32"	0,51	1,31	13:05	20:13	03:26
15.01.2015	03h 26m 36s	+16°20'01"	0,52	1,31	12:44	20:04	03:27
16.01.2015	03h 21m 07s	+18°23'04"	0,53	1,31	12:24	19:54	03:29
17.01.2015	03h 15m 49s	+20°20'33"	0,54	1,30	12:04	19:45	03:30
18.01.2015	03h 10m 42s	+22°12'27"	0,55	1,30	11:44	19:36	03:32
19.01.2015	03h 05m 45s	+23°58'46"	0,57	1,30	11:24	19:27	03:34
20.01.2015	03h 00m 59s	+25°39'38"	0,58	1,30	11:05	19:19	03:36
21.01.2015	02h 56m 24s	+27°15'13"	0,60	1,30	10:45	19:10	03:39
22.01.2015	02h 52m 00s	+28°45'43"	0,61	1,30	10:26	19:02	03:42
23.01.2015	02h 47m 45s	+30°11'21"	0,63	1,29	10:06	18:54	03:45
24.01.2015	02h 43m 41s	+31°32'23"	0,64	1,29	09:47	18:46	03:48
25.01.2015	02h 39m 47s	+32°49'04"	0,66	1,29	09:27	18:38	03:52
26.01.2015	02h 36m 02s	+34°01'39"	0,68	1,29	09:08	18:30	03:57
27.01.2015	02h 32m 26s	+35°10'24"	0,70	1,29	08:48	18:23	04:02
28.01.2015	02h 29m 00s	+36°15'34"	0,71	1,29	08:27	18:15	04:07
29.01.2015	02h 25m 42s	+37°17'23"	0,73	1,29	08:06	18:08	04:14
30.01.2015	02h 22m 32s	+38°16'04"	0,75	1,29	07:43	18:01	04:23
31.01.2015	02h 19m 31s	+39°11'52"	0,77	1,29	07:18	17:54	04:34
01.02.2015	02h 16m 37s	+40°04'58"	0,79	1,29	06:49	17:47	04:49
02.02.2015	02h 13m 50s	+40°55'33"	0,81	1,29	06:06	17:40	05:19
03.02.2015	02h 11m 11s	+41°43'49"	0,83	1,29	00:00	17:34	00:00
04.02.2015	02h 08m 39s	+42°29'56"	0,85	1,29	00:00	17:27	00:00
05.02.2015	02h 06m 13s	+43°14'02"	0,87	1,29	00:00	17:21	00:00
06.02.2015	02h 03m 54s	+43°56'17"	0,89	1,30	00:00	17:15	00:00
07.02.2015	02h 01m 41s	+44°36'49"	0,90	1,30	00:00	17:09	00:00
08.02.2015	01h 59m 34s	+45°15'46"	0,92	1,30	00:00	17:03	00:00
09.02.2015	01h 57m 32s	+45°53'14"	0,94	1,30	00:00	16:57	00:00
10.02.2015	01h 55m 36s	+46°29'19"	0,96	1,30	00:00	16:51	00:00
11.02.2015	01h 53m 46s	+47°04'08"	0,98	1,31	00:00	16:45	00:00
12.02.2015	01h 52m 00s	+47°37'47"	1,00	1,31	00:00	16:39	00:00

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13.02.2015	01h 50m 19s	+48°10'21"	1,02	1,31	00:00	16:34	00:00
14.02.2015	01h 48m 43s	+48°41'53"	1,04	1,31	00:00	16:28	00:00
15.02.2015	01h 47m 11s	+49°12'30"	1,06	1,32	00:00	16:23	00:00
16.02.2015	01h 45m 44s	+49°42'15"	1,08	1,32	00:00	16:17	00:00
17.02.2015	01h 44m 21s	+50°11'11"	1,10	1,32	00:00	16:12	00:00
18.02.2015	01h 43m 02s	+50°39'23"	1,12	1,32	00:00	16:07	00:00
19.02.2015	01h 41m 47s	+51°06'53"	1,14	1,33	00:00	16:02	00:00
20.02.2015	01h 40m 35s	+51°33'45"	1,16	1,33	00:00	15:57	00:00
21.02.2015	01h 39m 27s	+52°00'02"	1,17	1,34	00:00	15:51	00:00
22.02.2015	01h 38m 23s	+52°25'46"	1,19	1,34	00:00	15:46	00:00
23.02.2015	01h 37m 21s	+52°51'00"	1,21	1,34	00:00	15:42	00:00
24.02.2015	01h 36m 23s	+53°15'46"	1,23	1,35	00:00	15:37	00:00
25.02.2015	01h 35m 28s	+53°40'06"	1,25	1,35	00:00	15:32	00:00
26.02.2015	01h 34m 36s	+54°04'02"	1,27	1,36	00:00	15:27	00:00
27.02.2015	01h 33m 47s	+54°27'36"	1,29	1,36	00:00	15:22	00:00
28.02.2015	01h 33m 00s	+54°50'50"	1,30	1,37	00:00	15:18	00:00
01.03.2015	01h 32m 16s	+55°13'44"	1,32	1,37	00:00	15:13	00:00
02.03.2015	01h 31m 34s	+55°36'21"	1,34	1,38	00:00	15:08	00:00
03.03.2015	01h 30m 55s	+55°58'43"	1,36	1,38	00:00	15:04	00:00