

Aufgang/Untergang

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
 Län.: 34°6'16"W

Objekt

Planet:
 Neptun

Datum	Aufgang		Meridiandurchgang		Untergang		Sonne		Mond	
	Ortszeit	Azm	Ortszeit	Höhe	Ortszeit	Azm	Aufgang	Untergang	Aufgang	Untergang
01-01-2010	10:37	111°08' 11"	15:32	+25°48' 37"	20:26	248°52' 35"	08:31	16:32	17:37	09:01
02-01-2010	10:34	111°07' 13"	15:28	+25°49' 13"	20:22	248°53' 33"	08:31	16:34	19:06	09:34
03-01-2010	10:30	111°06' 14"	15:24	+25°49' 49"	20:18	248°54' 33"	08:31	16:35	20:34	10:00
04-01-2010	10:26	111°05' 14"	15:20	+25°50' 25"	20:15	248°55' 33"	08:30	16:36	21:59	10:21
05-01-2010	10:22	111°04' 14"	15:16	+25°51' 02"	20:11	248°56' 33"	08:30	16:37	23:21	10:39
06-01-2010	10:18	111°03' 13"	15:13	+25°51' 39"	20:07	248°57' 35"	08:30	16:38	---	10:56
07-01-2010	10:14	111°02' 11"	15:09	+25°52' 17"	20:03	248°58' 37"	08:30	16:39	00:41	11:15
08-01-2010	10:10	111°01' 09"	15:05	+25°52' 55"	20:00	248°59' 40"	08:29	16:41	01:59	11:35
09-01-2010	10:07	111°00' 06"	15:01	+25°53' 33"	19:56	249°00' 43"	08:29	16:42	03:16	12:00
10-01-2010	10:03	110°59' 03"	14:57	+25°54' 12"	19:52	249°01' 47"	08:28	16:43	04:29	12:30
11-01-2010	09:59	110°57' 59"	14:54	+25°54' 51"	19:48	249°02' 51"	08:28	16:45	05:37	13:10
12-01-2010	09:55	110°56' 54"	14:50	+25°55' 31"	19:45	249°03' 56"	08:27	16:46	06:36	13:59
13-01-2010	09:51	110°55' 49"	14:46	+25°56' 11"	19:41	249°04' 23"	08:26	16:48	07:23	14:57
14-01-2010	09:47	110°54' 43"	14:42	+25°56' 51"	19:37	249°05' 29"	08:26	16:49	08:01	16:02
15-01-2010	09:43	110°53' 37"	14:38	+25°57' 32"	19:33	249°06' 36"	08:25	16:51	08:29	17:10
16-01-2010	09:39	110°52' 30"	14:35	+25°58' 12"	19:30	249°07' 43"	08:24	16:52	08:52	18:18
17-01-2010	09:36	110°51' 23"	14:31	+25°58' 54"	19:26	249°08' 50"	08:23	16:54	09:10	19:27
18-01-2010	09:32	110°50' 15"	14:27	+25°59' 35"	19:22	249°09' 58"	08:22	16:55	09:26	20:34
19-01-2010	09:28	110°49' 07"	14:23	+26°00' 17"	19:18	249°11' 06"	08:21	16:57	09:40	21:41
20-01-2010	09:24	110°47' 58"	14:19	+26°00' 59"	19:15	249°12' 15"	08:20	16:58	09:54	22:49
21-01-2010	09:20	110°46' 49"	14:16	+26°01' 41"	19:11	249°13' 24"	08:19	17:00	10:09	23:58
22-01-2010	09:16	110°45' 39"	14:12	+26°02' 24"	19:07	249°14' 34"	08:18	17:02	10:26	---
23-01-2010	09:12	110°44' 29"	14:08	+26°03' 07"	19:04	249°15' 44"	08:17	17:03	10:46	01:10
24-01-2010	09:09	110°43' 19"	14:04	+26°03' 50"	19:00	249°16' 55"	08:16	17:05	11:12	02:25
25-01-2010	09:05	110°42' 08"	14:00	+26°04' 33"	18:56	249°18' 05"	08:15	17:07	11:48	03:40
26-01-2010	09:01	110°40' 57"	13:57	+26°05' 16"	18:52	249°19' 17"	08:13	17:08	12:36	04:53
27-01-2010	08:57	110°39' 46"	13:53	+26°06' 00"	18:49	249°20' 28"	08:12	17:10	13:41	05:57
28-01-2010	08:53	110°38' 34"	13:49	+26°06' 44"	18:45	249°21' 40"	08:11	17:12	15:00	06:49
29-01-2010	08:49	110°37' 22"	13:45	+26°07' 28"	18:41	249°22' 52"	08:10	17:13	16:28	07:28
30-01-2010	08:45	110°36' 10"	13:41	+26°08' 12"	18:37	249°24' 04"	08:08	17:15	17:59	07:58

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Datum	Aufgang		Meridiandurchgang		Untergang		Sonne		Mond	
	Ortszeit	Azm	Ortszeit	Höhe	Ortszeit	Azm	Aufgang	Untergang	Aufgang	Untergang
31-01-2010	08:42	110°34' 57"	13:38	+26°08' 57"	18:34	249°25' 17"	08:07	17:17	19:29	08:22
01-02-2010	08:38	110°33' 44"	13:34	+26°09' 42"	18:30	249°26' 30"	08:05	17:19	20:55	08:42
02-02-2010	08:34	110°32' 31"	13:30	+26°10' 26"	18:26	249°27' 43"	08:04	17:20	22:19	09:01
03-02-2010	08:30	110°31' 18"	13:26	+26°11' 11"	18:23	249°28' 56"	08:02	17:22	23:41	09:19
04-02-2010	08:26	110°30' 04"	13:22	+26°11' 56"	18:19	249°30' 10"	08:01	17:24	---	09:40
05-02-2010	08:22	110°28' 51"	13:19	+26°12' 41"	18:15	249°31' 24"	07:59	17:26	01:01	10:03
06-02-2010	08:18	110°27' 37"	13:15	+26°13' 27"	18:11	249°32' 38"	07:57	17:27	02:18	10:32
07-02-2010	08:15	110°26' 23"	13:11	+26°14' 12"	18:08	249°33' 52"	07:56	17:29	03:29	11:09
08-02-2010	08:11	110°25' 08"	13:07	+26°14' 57"	18:04	249°35' 06"	07:54	17:31	04:31	11:55
09-02-2010	08:07	110°23' 54"	13:04	+26°15' 43"	18:00	249°36' 20"	07:52	17:33	05:22	12:50
10-02-2010	08:03	110°22' 40"	13:00	+26°16' 29"	17:56	249°37' 35"	07:51	17:35	06:02	13:53
11-02-2010	07:59	110°21' 25"	12:56	+26°17' 14"	17:53	249°38' 49"	07:49	17:36	06:33	15:00
12-02-2010	07:55	110°20' 11"	12:52	+26°18' 00"	17:49	249°40' 04"	07:47	17:38	06:58	16:08
13-02-2010	07:52	110°18' 56"	12:48	+26°18' 46"	17:45	249°41' 18"	07:45	17:40	07:17	17:17
14-02-2010	07:48	110°17' 41"	12:45	+26°19' 31"	17:42	249°42' 33"	07:44	17:42	07:34	18:24
15-02-2010	07:44	110°16' 27"	12:41	+26°20' 17"	17:38	249°43' 48"	07:42	17:43	07:49	19:32
16-02-2010	07:40	110°15' 12"	12:37	+26°21' 03"	17:34	249°45' 02"	07:40	17:45	08:03	20:39
17-02-2010	07:36	110°13' 58"	12:33	+26°21' 49"	17:30	249°46' 17"	07:38	17:47	08:18	21:48
18-02-2010	07:32	110°12' 43"	12:29	+26°22' 35"	17:27	249°47' 31"	07:36	17:49	08:34	22:58
19-02-2010	07:28	110°11' 29"	12:26	+26°23' 20"	17:23	249°48' 46"	07:34	17:50	08:52	---
20-02-2010	07:25	110°10' 14"	12:22	+26°24' 06"	17:19	249°50' 00"	07:32	17:52	09:16	00:11
21-02-2010	07:21	110°09' 00"	12:18	+26°24' 51"	17:16	249°51' 15"	07:30	17:54	09:46	01:24
22-02-2010	07:17	110°07' 46"	12:14	+26°25' 37"	17:12	249°52' 29"	07:28	17:56	10:28	02:36
23-02-2010	07:13	110°06' 31"	12:11	+26°26' 22"	17:08	249°53' 43"	07:26	17:57	11:23	03:42
24-02-2010	07:09	110°05' 18"	12:07	+26°27' 08"	17:04	249°54' 57"	07:24	17:59	12:32	04:37
25-02-2010	07:05	110°04' 04"	12:03	+26°27' 53"	17:01	249°56' 11"	07:22	18:01	13:54	05:21
26-02-2010	07:01	110°02' 50"	11:59	+26°28' 38"	16:57	249°57' 24"	07:20	18:02	15:22	05:55
27-02-2010	06:58	110°01' 37"	11:55	+26°29' 23"	16:53	249°58' 37"	07:18	18:04	16:51	06:21
28-02-2010	06:54	110°00' 24"	11:52	+26°30' 08"	16:50	249°59' 51"	07:16	18:06	18:20	06:43
01-03-2010	06:50	109°59' 11"	11:48	+26°30' 53"	16:46	250°01' 03"	07:14	18:08	19:46	07:03

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	Ortszeit	Azm	Ortszeit	Höhe	Ortszeit	Azm	Aufgang	Untergang	Aufgang	Untergang
02-03-2010	06:46	109°57' 58"	11:44	+26°31' 38"	16:42	250°02' 16"	07:12	18:09	21:12	07:22
03-03-2010	06:42	109°56' 46"	11:40	+26°32' 22"	16:38	250°03' 29"	07:10	18:11	22:36	07:42
04-03-2010	06:38	109°55' 33"	11:36	+26°33' 06"	16:35	250°04' 41"	07:08	18:13	23:57	08:05
05-03-2010	06:34	109°54' 22"	11:33	+26°33' 50"	16:31	250°05' 52"	07:06	18:14	---	08:33
06-03-2010	06:31	109°53' 10"	11:29	+26°34' 34"	16:27	250°07' 04"	07:04	18:16	01:13	09:08
07-03-2010	06:27	109°51' 59"	11:25	+26°35' 18"	16:23	250°08' 15"	07:01	18:18	02:20	09:51
08-03-2010	06:23	109°50' 48"	11:21	+26°36' 02"	16:20	250°09' 26"	06:59	18:19	03:16	10:44
09-03-2010	06:19	109°49' 37"	11:17	+26°36' 45"	16:16	250°10' 36"	06:57	18:21	04:01	11:45
10-03-2010	06:15	109°48' 27"	11:14	+26°37' 28"	16:12	250°11' 47"	06:55	18:23	04:35	12:50
11-03-2010	06:11	109°47' 17"	11:10	+26°38' 11"	16:09	250°12' 56"	06:53	18:24	05:02	13:58
12-03-2010	06:07	109°46' 08"	11:06	+26°38' 54"	16:05	250°14' 06"	06:51	18:26	05:23	15:06
13-03-2010	06:04	109°44' 59"	11:02	+26°39' 36"	16:01	250°15' 14"	06:48	18:28	05:41	16:14
14-03-2010	06:00	109°43' 51"	10:59	+26°40' 18"	15:57	250°16' 23"	06:46	18:29	05:56	17:21
15-03-2010	05:56	109°42' 42"	10:55	+26°41' 00"	15:54	250°17' 31"	06:44	18:31	06:11	18:29
16-03-2010	05:52	109°41' 35"	10:51	+26°41' 41"	15:50	250°18' 38"	06:42	18:33	06:26	19:38
17-03-2010	05:48	109°40' 28"	10:47	+26°42' 23"	15:46	250°19' 45"	06:40	18:34	06:42	20:48
18-03-2010	05:44	109°39' 21"	10:43	+26°43' 04"	15:42	250°20' 52"	06:37	18:36	07:00	22:00
19-03-2010	05:40	109°38' 15"	10:40	+26°43' 44"	15:39	250°22' 36"	06:35	18:37	07:22	23:14
20-03-2010	05:37	109°37' 10"	10:36	+26°44' 24"	15:35	250°23' 41"	06:33	18:39	07:50	---
21-03-2010	05:33	109°36' 05"	10:32	+26°45' 04"	15:31	250°24' 45"	06:31	18:41	08:28	00:26
22-03-2010	05:29	109°35' 01"	10:28	+26°45' 44"	15:27	250°25' 49"	06:29	18:42	09:17	01:32
23-03-2010	05:25	109°33' 57"	10:24	+26°46' 23"	15:24	250°26' 52"	06:26	18:44	10:20	02:30
24-03-2010	05:21	109°32' 54"	10:20	+26°47' 02"	15:20	250°27' 55"	06:24	18:46	11:34	03:16
25-03-2010	05:17	109°31' 51"	10:17	+26°47' 40"	15:16	250°28' 57"	06:22	18:47	12:56	03:53
26-03-2010	05:13	109°30' 49"	10:13	+26°48' 18"	15:12	250°29' 59"	06:20	18:49	14:22	04:21
27-03-2010	05:10	109°29' 48"	10:09	+26°48' 56"	15:09	250°30' 59"	06:18	18:50	15:48	04:44
28-03-2010	06:06	109°28' 47"	11:05	+26°49' 33"	16:05	250°31' 59"	07:15	19:52	18:13	06:05
29-03-2010	06:02	109°27' 47"	11:01	+26°50' 10"	16:01	250°32' 59"	07:13	19:54	19:39	06:24
30-03-2010	05:58	109°26' 48"	10:58	+26°50' 47"	15:57	250°33' 58"	07:11	19:55	21:04	06:44
31-03-2010	05:54	109°25' 49"	10:54	+26°51' 23"	15:54	250°34' 56"	07:09	19:57	22:27	07:05

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	Ortszeit	Azm	Ortszeit	Höhe	Ortszeit	Azm	Aufgang	Untergang	Aufgang	Untergang
01-04-2010	05:50	109°24' 52"	10:50	+26°51' 58"	15:50	250°35' 53"	07:07	19:58	23:48	07:31
02-04-2010	05:46	109°23' 54"	10:46	+26°52' 34"	15:46	250°36' 50"	07:04	20:00	---	08:04
03-04-2010	05:42	109°22' 58"	10:42	+26°53' 08"	15:42	250°37' 45"	07:02	20:02	01:01	08:44
04-04-2010	05:39	109°22' 02"	10:39	+26°53' 43"	15:39	250°38' 41"	07:00	20:03	02:04	09:35
05-04-2010	05:35	109°21' 07"	10:35	+26°54' 16"	15:35	250°39' 35"	06:58	20:05	02:55	10:34
06-04-2010	05:31	109°20' 13"	10:31	+26°54' 50"	15:31	250°40' 28"	06:56	20:06	03:33	11:39
07-04-2010	05:27	109°19' 20"	10:27	+26°55' 23"	15:27	250°41' 21"	06:54	20:08	04:03	12:46
08-04-2010	05:23	109°18' 27"	10:23	+26°55' 55"	15:23	250°42' 13"	06:51	20:10	04:26	13:54
09-04-2010	05:19	109°17' 35"	10:19	+26°56' 27"	15:20	250°43' 04"	06:49	20:11	04:46	15:02
10-04-2010	05:15	109°16' 44"	10:16	+26°56' 58"	15:16	250°43' 55"	06:47	20:13	05:02	16:09
11-04-2010	05:11	109°15' 54"	10:12	+26°57' 29"	15:12	250°44' 44"	06:45	20:14	05:17	17:17
12-04-2010	05:08	109°15' 05"	10:08	+26°57' 59"	15:08	250°45' 33"	06:43	20:16	05:32	18:25
13-04-2010	05:04	109°14' 17"	10:04	+26°58' 29"	15:04	250°46' 20"	06:41	20:18	05:48	19:35
14-04-2010	05:00	109°13' 29"	10:00	+26°58' 58"	15:01	250°47' 07"	06:39	20:19	06:06	20:48
15-04-2010	04:56	109°12' 42"	09:56	+26°59' 27"	14:57	250°47' 53"	06:37	20:21	06:27	22:01
16-04-2010	04:52	109°11' 57"	09:53	+26°59' 55"	14:53	250°48' 38"	06:35	20:22	06:54	23:15
17-04-2010	04:48	109°11' 12"	09:49	+27°00' 23"	14:49	250°49' 22"	06:32	20:24	07:29	---
18-04-2010	04:44	109°10' 28"	09:45	+27°00' 50"	14:45	250°50' 06"	06:30	20:26	08:15	00:24
19-04-2010	04:40	109°09' 45"	09:41	+27°01' 16"	14:42	250°50' 48"	06:28	20:27	09:14	01:25
20-04-2010	04:37	109°09' 03"	09:37	+27°01' 42"	14:38	250°51' 29"	06:26	20:29	10:25	02:14
21-04-2010	04:33	109°08' 22"	09:33	+27°02' 08"	14:34	250°52' 10"	06:24	20:30	11:43	02:53
22-04-2010	04:29	109°07' 41"	09:29	+27°02' 32"	14:30	250°52' 49"	06:22	20:32	13:05	03:23
23-04-2010	04:25	109°07' 02"	09:26	+27°02' 56"	14:26	250°53' 28"	06:20	20:33	14:28	03:47
24-04-2010	04:21	109°06' 24"	09:22	+27°03' 20"	14:23	250°54' 05"	06:18	20:35	15:51	04:08
25-04-2010	04:17	109°05' 47"	09:18	+27°03' 43"	14:19	250°54' 42"	06:17	20:37	17:13	04:27
26-04-2010	04:13	109°05' 10"	09:14	+27°04' 05"	14:15	250°55' 17"	06:15	20:38	18:36	04:46
27-04-2010	04:09	109°04' 35"	09:10	+27°04' 27"	14:11	250°55' 52"	06:13	20:40	19:59	05:07
28-04-2010	04:05	109°04' 01"	09:06	+27°04' 48"	14:07	250°56' 25"	06:11	20:41	21:21	05:30
29-04-2010	04:02	109°03' 27"	09:02	+27°05' 09"	14:03	250°56' 58"	06:09	20:43	22:38	06:00
30-04-2010	03:58	109°02' 55"	08:59	+27°05' 29"	14:00	250°57' 29"	06:07	20:44	23:47	06:37

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	Ortszeit	Azm	Ortszeit	Höhe	Ortszeit	Azm	Aufgang	Untergang	Aufgang	Untergang
01-05-2010	03:54	109°02' 24"	08:55	+27°05' 48"	13:56	250°58' 00"	06:05	20:46	---	07:24
02-05-2010	03:50	109°01' 54"	08:51	+27°06' 07"	13:52	250°58' 29"	06:04	20:48	00:44	08:20
03-05-2010	03:46	109°01' 24"	08:47	+27°06' 25"	13:48	250°58' 58"	06:02	20:49	01:28	09:24
04-05-2010	03:42	109°00' 56"	08:43	+27°06' 42"	13:44	250°59' 25"	06:00	20:51	02:02	10:32
05-05-2010	03:38	109°00' 29"	08:39	+27°06' 59"	13:40	250°59' 51"	05:58	20:52	02:28	11:40
06-05-2010	03:34	109°00' 03"	08:35	+27°07' 15"	13:37	251°00' 17"	05:57	20:54	02:49	12:48
07-05-2010	03:30	108°59' 38"	08:31	+27°07' 30"	13:33	251°00' 41"	05:55	20:55	03:07	13:56
08-05-2010	03:26	108°59' 14"	08:28	+27°07' 45"	13:29	251°01' 04"	05:53	20:57	03:22	15:02
09-05-2010	03:23	108°58' 51"	08:24	+27°07' 59"	13:25	251°01' 26"	05:52	20:58	03:37	16:10
10-05-2010	03:19	108°58' 29"	08:20	+27°08' 13"	13:21	251°01' 47"	05:50	21:00	03:53	17:19
11-05-2010	03:15	108°58' 08"	08:16	+27°08' 25"	13:17	251°02' 07"	05:49	21:01	04:10	18:30
12-05-2010	03:11	108°57' 48"	08:12	+27°08' 37"	13:13	251°02' 26"	05:47	21:03	04:30	19:44
13-05-2010	03:07	108°57' 30"	08:08	+27°08' 49"	13:09	251°02' 44"	05:46	21:04	04:55	20:59
14-05-2010	03:03	108°57' 12"	08:04	+27°09' 00"	13:06	251°03' 00"	05:44	21:06	05:27	22:11
15-05-2010	02:59	108°56' 56"	08:00	+27°09' 10"	13:02	251°03' 16"	05:43	21:07	06:10	23:17
16-05-2010	02:55	108°56' 41"	07:56	+27°09' 19"	12:58	251°03' 30"	05:41	21:09	07:06	---
17-05-2010	02:51	108°56' 26"	07:53	+27°09' 28"	12:54	251°03' 44"	05:40	21:10	08:15	00:11
18-05-2010	02:47	108°56' 13"	07:49	+27°09' 36"	12:50	251°03' 56"	05:39	21:11	09:33	00:53
19-05-2010	02:43	108°56' 01"	07:45	+27°09' 43"	12:46	251°04' 07"	05:37	21:13	10:54	01:26
20-05-2010	02:40	108°55' 50"	07:41	+27°09' 50"	12:42	251°04' 17"	05:36	21:14	12:17	01:52
21-05-2010	02:36	108°55' 41"	07:37	+27°09' 56"	12:38	251°04' 26"	05:35	21:15	13:38	02:13
22-05-2010	02:32	108°55' 32"	07:33	+27°10' 02"	12:34	251°04' 34"	05:34	21:17	14:59	02:32
23-05-2010	02:28	108°55' 24"	07:29	+27°10' 06"	12:31	251°04' 41"	05:32	21:18	16:19	02:51
24-05-2010	02:24	108°55' 18"	07:25	+27°10' 10"	12:27	251°04' 46"	05:31	21:19	17:40	03:10
25-05-2010	02:20	108°55' 13"	07:21	+27°10' 13"	12:23	251°04' 51"	05:30	21:20	19:00	03:32
26-05-2010	02:16	108°55' 08"	07:17	+27°10' 16"	12:19	251°04' 54"	05:29	21:22	20:18	03:59
27-05-2010	02:12	108°55' 05"	07:13	+27°10' 18"	12:15	251°04' 57"	05:28	21:23	21:30	04:32
28-05-2010	02:08	108°55' 03"	07:10	+27°10' 19"	12:11	251°04' 58"	05:27	21:24	22:32	05:14
29-05-2010	02:04	108°55' 02"	07:06	+27°10' 20"	12:07	251°04' 58"	05:26	21:25	23:21	06:07
30-05-2010	02:00	108°55' 02"	07:02	+27°10' 20"	12:03	251°04' 57"	05:26	21:26	---	07:08

Aufgang/Untergang

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
 Län.: 34°6'16"W

Objekt

Planet:
 Neptun

Datum	Aufgang		Meridiandurchgang		Untergang		Sonne		Mond	
	Ortszeit	Azm	Ortszeit	Höhe	Ortszeit	Azm	Aufgang	Untergang	Aufgang	Untergang
31-05-2010	01:56	108°55' 03"	06:58	+27°10' 19"	11:59	251°04' 55"	05:25	21:27	00:00	08:16
01-06-2010	01:52	108°55' 06"	06:54	+27°10' 18"	11:55	251°04' 52"	05:24	21:28	00:29	09:25
02-06-2010	01:49	108°55' 09"	06:50	+27°10' 16"	11:51	251°04' 48"	05:23	21:29	00:52	10:34
03-06-2010	01:45	108°55' 13"	06:46	+27°10' 13"	11:47	251°04' 42"	05:23	21:30	01:11	11:41
04-06-2010	01:41	108°55' 19"	06:42	+27°10' 10"	11:43	251°04' 36"	05:22	21:31	01:27	12:48
05-06-2010	01:37	108°55' 26"	06:38	+27°10' 05"	11:39	251°04' 28"	05:21	21:32	01:42	13:54
06-06-2010	01:33	108°55' 33"	06:34	+27°10' 01"	11:35	251°04' 20"	05:21	21:33	01:57	15:02
07-06-2010	01:29	108°55' 42"	06:30	+27°09' 55"	11:32	251°04' 10"	05:20	21:34	02:13	16:11
08-06-2010	01:25	108°55' 52"	06:26	+27°09' 49"	11:28	251°04' 00"	05:20	21:35	02:32	17:24
09-06-2010	01:21	108°56' 03"	06:22	+27°09' 42"	11:24	251°03' 48"	05:19	21:36	02:54	18:38
10-06-2010	01:17	108°56' 15"	06:18	+27°09' 35"	11:20	251°03' 35"	05:19	21:36	03:23	19:52
11-06-2010	01:13	108°56' 28"	06:14	+27°09' 27"	11:16	251°03' 21"	05:19	21:37	04:02	21:01
12-06-2010	01:09	108°56' 42"	06:10	+27°09' 18"	11:12	251°03' 06"	05:19	21:38	04:53	22:02
13-06-2010	01:05	108°56' 57"	06:07	+27°09' 09"	11:08	251°02' 50"	05:18	21:38	05:58	22:50
14-06-2010	01:01	108°57' 14"	06:03	+27°08' 59"	11:04	251°02' 33"	05:18	21:39	07:15	23:27
15-06-2010	00:57	108°57' 31"	05:59	+27°08' 48"	11:00	251°02' 15"	05:18	21:39	08:38	23:55
16-06-2010	00:53	108°57' 49"	05:55	+27°08' 37"	10:56	251°01' 56"	05:18	21:40	10:03	---
17-06-2010	00:49	108°58' 08"	05:51	+27°08' 25"	10:52	251°01' 36"	05:18	21:40	11:26	00:19
18-06-2010	00:46	108°58' 29"	05:47	+27°08' 12"	10:48	251°01' 15"	05:18	21:40	12:48	00:39
19-06-2010	00:42	108°58' 50"	05:43	+27°07' 59"	10:44	251°00' 53"	05:18	21:41	14:08	00:57
20-06-2010	00:38	108°59' 12"	05:39	+27°07' 46"	10:40	251°00' 29"	05:18	21:41	15:28	01:16
21-06-2010	00:34	108°59' 36"	05:35	+27°07' 31"	10:36	251°00' 05"	05:18	21:41	16:47	01:37
22-06-2010	00:30	109°00' 00"	05:31	+27°07' 16"	10:32	250°59' 40"	05:19	21:41	18:04	02:01
23-06-2010	00:26	109°00' 25"	05:27	+27°07' 01"	10:28	250°59' 14"	05:19	21:42	19:17	02:32
24-06-2010	00:22	109°00' 51"	05:23	+27°06' 45"	10:24	250°58' 48"	05:19	21:42	20:22	03:10
25-06-2010	00:18	109°01' 18"	05:19	+27°06' 28"	10:20	250°58' 20"	05:20	21:42	21:16	03:58
26-06-2010	00:14	109°01' 46"	05:15	+27°06' 11"	10:16	250°57' 51"	05:20	21:42	21:58	04:56
27-06-2010	00:10	109°02' 15"	05:11	+27°05' 53"	10:12	250°57' 21"	05:20	21:42	22:30	06:01
28-06-2010	00:06	109°02' 45"	05:07	+27°05' 34"	10:08	250°56' 51"	05:21	21:41	22:55	07:10
29-06-2010	00:02	109°03' 16"	05:03	+27°05' 15"	10:04	250°56' 19"	05:21	21:41	23:16	08:19

Aufgang/Untergang

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
 Län.: 34°6'16"W

Objekt

Planet:
 Neptun

Datum	Aufgang		Meridiandurchgang		Untergang		Sonne		Mond	
	Ortszeit	Azm	Ortszeit	Höhe	Ortszeit	Azm	Aufgang	Untergang	Aufgang	Untergang
30-06-2010	23:58(-1T)	109°03' 48"	04:59	+27°04' 56"	10:00	250°55' 47"	05:22	21:41	23:33	09:27
01-07-2010	23:54(-1T)	109°04' 20"	04:55	+27°04' 36"	09:56	250°55' 14"	05:23	21:41	23:48	10:34
02-07-2010	23:50(-1T)	109°04' 54"	04:51	+27°04' 15"	09:52	250°54' 40"	05:23	21:41	---	11:41
03-07-2010	23:46(-1T)	109°05' 28"	04:47	+27°03' 54"	09:48	250°54' 05"	05:24	21:40	00:03	12:47
04-07-2010	23:42(-1T)	109°06' 03"	04:43	+27°03' 33"	09:44	250°53' 29"	05:25	21:40	00:19	13:55
05-07-2010	23:38(-1T)	109°06' 39"	04:39	+27°03' 11"	09:40	250°52' 52"	05:26	21:39	00:36	15:04
06-07-2010	23:34(-1T)	109°07' 16"	04:35	+27°02' 48"	09:36	250°52' 15"	05:26	21:39	00:56	16:16
07-07-2010	23:30(-1T)	109°07' 53"	04:31	+27°02' 25"	09:32	250°51' 37"	05:27	21:38	01:21	17:29
08-07-2010	23:26(-1T)	109°08' 32"	04:27	+27°02' 01"	09:28	250°50' 58"	05:28	21:38	01:54	18:41
09-07-2010	23:22(-1T)	109°09' 11"	04:23	+27°01' 37"	09:24	250°50' 18"	05:29	21:37	02:38	19:46
10-07-2010	23:18(-1T)	109°09' 51"	04:19	+27°01' 12"	09:20	250°49' 38"	05:30	21:36	03:37	20:40
11-07-2010	23:14(-1T)	109°10' 31"	04:15	+27°00' 47"	09:15	250°48' 56"	05:31	21:36	04:49	21:23
12-07-2010	23:11(-1T)	109°11' 13"	04:11	+27°00' 22"	09:11	250°48' 15"	05:32	21:35	06:12	21:56
13-07-2010	23:07(-1T)	109°11' 55"	04:07	+26°59' 56"	09:07	250°47' 32"	05:33	21:34	07:39	22:22
14-07-2010	23:03(-1T)	109°12' 38"	04:03	+26°59' 30"	09:03	250°46' 49"	05:34	21:33	09:06	22:43
15-07-2010	22:59(-1T)	109°13' 21"	03:59	+26°59' 03"	08:59	250°46' 04"	05:35	21:32	10:31	23:03
16-07-2010	22:55(-1T)	109°14' 05"	03:55	+26°58' 36"	08:55	250°45' 20"	05:36	21:31	11:54	23:22
17-07-2010	22:51(-1T)	109°14' 50"	03:51	+26°58' 08"	08:51	250°44' 35"	05:38	21:30	13:15	23:43
18-07-2010	22:47(-1T)	109°15' 35"	03:47	+26°57' 40"	08:47	250°43' 49"	05:39	21:29	14:36	---
19-07-2010	22:43(-1T)	109°16' 22"	03:43	+26°57' 12"	08:43	250°43' 02"	05:40	21:28	15:54	00:06
20-07-2010	22:39(-1T)	109°17' 08"	03:39	+26°56' 43"	08:39	250°42' 15"	05:41	21:27	17:08	00:34
21-07-2010	22:35(-1T)	109°17' 55"	03:35	+26°56' 14"	08:35	250°41' 27"	05:42	21:26	18:15	01:10
22-07-2010	22:31(-1T)	109°18' 43"	03:31	+26°55' 45"	08:31	250°40' 39"	05:44	21:25	19:12	01:54
23-07-2010	22:27(-1T)	109°19' 31"	03:27	+26°55' 15"	08:27	250°39' 50"	05:45	21:23	19:57	02:48
24-07-2010	22:23(-1T)	109°20' 20"	03:23	+26°54' 45"	08:23	250°39' 01"	05:46	21:22	20:32	03:50
25-07-2010	22:19(-1T)	109°21' 10"	03:19	+26°54' 15"	08:19	250°38' 11"	05:48	21:21	21:00	04:58
26-07-2010	22:15(-1T)	109°21' 59"	03:15	+26°53' 44"	08:15	250°37' 21"	05:49	21:19	21:21	06:07
27-07-2010	22:11(-1T)	109°22' 50"	03:11	+26°53' 13"	08:11	250°36' 31"	05:50	21:18	21:39	07:15
28-07-2010	22:07(-1T)	109°23' 41"	03:07	+26°52' 42"	08:06	250°35' 39"	05:52	21:17	21:55	08:23
29-07-2010	22:03(-1T)	109°24' 32"	03:03	+26°52' 10"	08:02	250°34' 48"	05:53	21:15	22:11	09:29

Aufgang/Untergang

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
 Län.: 34°6'16"W

Objekt

Planet:
 Neptun

Datum	Aufgang		Meridiandurchgang		Untergang		Sonne		Mond	
	Ortszeit	Azm	Ortszeit	Höhe	Ortszeit	Azm	Aufgang	Untergang	Aufgang	Untergang
30-07-2010	21:59(-1T)	109°25' 23"	02:59	+26°51' 39"	07:58	250°33' 56"	05:54	21:14	22:26	10:35
31-07-2010	21:55(-1T)	109°26' 15"	02:55	+26°51' 07"	07:54	250°33' 04"	05:56	21:12	22:42	11:42
01-08-2010	21:51(-1T)	109°27' 08"	02:51	+26°50' 34"	07:50	250°32' 11"	05:57	21:11	23:00	12:50
02-08-2010	21:47(-1T)	109°28' 01"	02:47	+26°50' 02"	07:46	250°31' 18"	05:59	21:09	23:22	13:59
03-08-2010	21:43(-1T)	109°28' 54"	02:43	+26°49' 29"	07:42	250°30' 25"	06:00	21:07	23:51	15:10
04-08-2010	21:39(-1T)	109°29' 47"	02:39	+26°48' 56"	07:38	250°29' 31"	06:02	21:06	---	16:21
05-08-2010	21:35(-1T)	109°30' 41"	02:35	+26°48' 23"	07:34	250°28' 37"	06:03	21:04	00:29	17:28
06-08-2010	21:31(-1T)	109°31' 35"	02:30	+26°47' 50"	07:30	250°27' 43"	06:05	21:02	01:19	18:26
07-08-2010	21:27(-1T)	109°32' 29"	02:26	+26°47' 17"	07:26	250°26' 48"	06:06	21:01	02:23	19:14
08-08-2010	21:23(-1T)	109°33' 24"	02:22	+26°46' 43"	07:22	250°25' 53"	06:07	20:59	03:41	19:51
09-08-2010	21:19(-1T)	109°34' 19"	02:18	+26°46' 09"	07:18	250°24' 58"	06:09	20:57	05:06	20:21
10-08-2010	21:15(-1T)	109°35' 14"	02:14	+26°45' 36"	07:13	250°24' 03"	06:10	20:55	06:34	20:45
11-08-2010	21:11(-1T)	109°36' 09"	02:10	+26°45' 02"	07:09	250°23' 08"	06:12	20:54	08:02	21:07
12-08-2010	21:07(-1T)	109°37' 04"	02:06	+26°44' 28"	07:05	250°22' 12"	06:13	20:52	09:29	21:27
13-08-2010	21:03(-1T)	109°38' 00"	02:02	+26°43' 54"	07:01	250°21' 17"	06:15	20:50	10:54	21:47
14-08-2010	20:59(-1T)	109°38' 55"	01:58	+26°43' 19"	06:57	250°20' 21"	06:16	20:48	12:18	22:10
15-08-2010	20:55(-1T)	109°39' 51"	01:54	+26°42' 45"	06:53	250°19' 25"	06:18	20:46	13:40	22:38
16-08-2010	20:51(-1T)	109°40' 47"	01:50	+26°42' 11"	06:49	250°18' 29"	06:19	20:44	14:57	23:11
17-08-2010	20:47(-1T)	109°41' 43"	01:46	+26°41' 37"	06:45	250°17' 34"	06:21	20:42	16:07	23:53
18-08-2010	20:43(-1T)	109°42' 39"	01:42	+26°41' 02"	06:41	250°16' 38"	06:22	20:40	17:08	---
19-08-2010	20:39(-1T)	109°43' 35"	01:38	+26°40' 28"	06:37	250°15' 42"	06:24	20:38	17:56	00:44
20-08-2010	20:35(-1T)	109°44' 30"	01:34	+26°39' 54"	06:33	250°14' 46"	06:26	20:36	18:34	01:43
21-08-2010	20:31(-1T)	109°45' 26"	01:30	+26°39' 19"	06:29	250°13' 50"	06:27	20:34	19:04	02:49
22-08-2010	20:27(-1T)	109°46' 22"	01:26	+26°38' 45"	06:24	250°12' 55"	06:29	20:32	19:27	03:57
23-08-2010	20:23(-1T)	109°47' 18"	01:22	+26°38' 11"	06:20	250°11' 59"	06:30	20:30	19:46	05:05
24-08-2010	20:19(-1T)	109°48' 13"	01:18	+26°37' 37"	06:16	250°11' 03"	06:32	20:28	20:03	06:13
25-08-2010	20:15(-1T)	109°49' 09"	01:14	+26°37' 03"	06:12	250°10' 08"	06:33	20:26	20:19	07:20
26-08-2010	20:11(-1T)	109°50' 04"	01:10	+26°36' 29"	06:08	250°09' 13"	06:35	20:24	20:34	08:26
27-08-2010	20:07(-1T)	109°50' 59"	01:06	+26°35' 55"	06:04	250°08' 18"	06:36	20:22	20:49	09:32
28-08-2010	20:03(-1T)	109°51' 54"	01:02	+26°35' 21"	06:00	250°07' 23"	06:38	20:20	21:07	10:39

Aufgang/Untergang

Datum/Standort

Datum: 01-01-2010
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Objekt

Planet:
 Neptun

Datum	Aufgang		Meridiandurchgang		Untergang		Sonne		Mond	
	Ortszeit	Azm	Ortszeit	Höhe	Ortszeit	Azm	Aufgang	Untergang	Aufgang	Untergang
29-08-2010	19:59(-1T)	109°52' 49"	00:58	+26°34' 47"	05:56	250°06' 28"	06:39	20:18	21:28	11:47
30-08-2010	19:55(-1T)	109°53' 44"	00:54	+26°34' 14"	05:52	250°05' 34"	06:41	20:16	21:54	12:57
31-08-2010	19:51(-1T)	109°54' 38"	00:50	+26°33' 40"	05:48	250°04' 39"	06:42	20:14	22:27	14:06
01-09-2010	19:47(-1T)	109°55' 33"	00:46	+26°33' 07"	05:44	250°03' 45"	06:44	20:12	23:10	15:13
02-09-2010	19:43(-1T)	109°56' 26"	00:42	+26°32' 34"	05:40	250°02' 52"	06:45	20:09	---	16:13
03-09-2010	19:39(-1T)	109°57' 20"	00:38	+26°32' 01"	05:35	250°01' 58"	06:47	20:07	00:07	17:04
04-09-2010	19:36(-1T)	109°58' 13"	00:33	+26°31' 28"	05:31	250°01' 05"	06:48	20:05	01:16	17:45
05-09-2010	19:32(-1T)	109°59' 06"	00:29	+26°30' 56"	05:27	250°00' 12"	06:50	20:03	02:35	18:18
06-09-2010	19:28(-1T)	109°59' 59"	00:25	+26°30' 24"	05:23	249°59' 20"	06:51	20:01	04:00	18:45
07-09-2010	19:24(-1T)	110°00' 51"	00:21	+26°29' 51"	05:19	249°58' 28"	06:53	19:58	05:28	19:07
08-09-2010	19:20(-1T)	110°01' 43"	00:17	+26°29' 20"	05:15	249°57' 37"	06:54	19:56	06:56	19:29
09-09-2010	19:16(-1T)	110°02' 35"	00:13	+26°28' 48"	05:11	249°56' 46"	06:56	19:54	08:23	19:50
10-09-2010	19:12(-1T)	110°03' 26"	00:09	+26°28' 17"	05:07	249°55' 55"	06:57	19:52	09:50	20:12
11-09-2010	19:08(-1T)	110°04' 16"	00:05	+26°27' 46"	05:03	249°55' 05"	06:59	19:50	11:15	20:38
12-09-2010	19:04(-1T)	110°05' 06"	00:01	+26°27' 15"	04:59	249°54' 15"	07:00	19:47	12:37	21:10
12-09-2010	19:00	110°05' 56"	23:57	+26°26' 45"	04:55(+1T)	249°53' 26"	07:00	19:47	12:37	21:10
13-09-2010	18:56	110°06' 45"	23:53	+26°26' 15"	04:51(+1T)	249°52' 37"	07:02	19:45	13:53	21:50
14-09-2010	18:52	110°07' 33"	23:49	+26°25' 45"	04:47(+1T)	249°51' 49"	07:03	19:43	14:59	22:39
15-09-2010	18:48	110°08' 21"	23:45	+26°25' 15"	04:42(+1T)	249°51' 02"	07:05	19:41	15:52	23:37
16-09-2010	18:44	110°09' 09"	23:41	+26°24' 46"	04:38(+1T)	249°50' 15"	07:07	19:38	16:34	---
17-09-2010	18:40	110°09' 56"	23:37	+26°24' 18"	04:34(+1T)	249°49' 28"	07:08	19:36	17:06	00:41
18-09-2010	18:36	110°10' 42"	23:33	+26°23' 49"	04:30(+1T)	249°48' 42"	07:10	19:34	17:32	01:48
19-09-2010	18:32	110°11' 27"	23:29	+26°23' 21"	04:26(+1T)	249°47' 57"	07:11	19:32	17:52	02:56
20-09-2010	18:28	110°12' 12"	23:25	+26°22' 54"	04:22(+1T)	249°47' 13"	07:13	19:30	18:10	04:04
21-09-2010	18:24	110°12' 57"	23:21	+26°22' 27"	04:18(+1T)	249°46' 29"	07:14	19:27	18:26	05:10
22-09-2010	18:20	110°13' 40"	23:17	+26°22' 00"	04:14(+1T)	249°45' 46"	07:16	19:25	18:41	06:17
23-09-2010	18:16	110°14' 23"	23:13	+26°21' 34"	04:10(+1T)	249°45' 04"	07:17	19:23	18:57	07:23
24-09-2010	18:12	110°15' 06"	23:09	+26°21' 08"	04:06(+1T)	249°44' 22"	07:19	19:21	19:15	08:30
25-09-2010	18:08	110°15' 47"	23:05	+26°20' 42"	04:02(+1T)	249°43' 41"	07:20	19:18	19:35	09:38
26-09-2010	18:04	110°16' 28"	23:01	+26°20' 17"	03:58(+1T)	249°43' 01"	07:22	19:16	19:59	10:47

Aufgang/Untergang

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
 Län.: 34°6'16"W

Objekt

Planet:
 Neptun

Datum	Aufgang		Meridiandurchgang		Untergang		Sonne		Mond	
	Ortszeit	Azm	Ortszeit	Höhe	Ortszeit	Azm	Aufgang	Untergang	Aufgang	Untergang
27-09-2010	18:00	110°17'08"	22:57	+26°19'53"	03:54(+1T)	249°42'21"	07:23	19:14	20:30	11:56
28-09-2010	17:56	110°17'47"	22:53	+26°19'28"	03:50(+1T)	249°41'43"	07:25	19:12	21:09	13:03
29-09-2010	17:52	110°18'26"	22:49	+26°19'05"	03:46(+1T)	249°41'05"	07:26	19:09	22:00	14:05
30-09-2010	17:48	110°19'04"	22:45	+26°18'42"	03:42(+1T)	249°40'28"	07:28	19:07	23:03	14:58
01-10-2010	17:44	110°19'40"	22:41	+26°18'19"	03:38(+1T)	249°39'51"	07:30	19:05	---	15:41
02-10-2010	17:40	110°20'17"	22:37	+26°17'57"	03:34(+1T)	249°39'16"	07:31	19:03	00:16	16:16
03-10-2010	17:36	110°20'52"	22:33	+26°17'35"	03:30(+1T)	249°38'41"	07:33	19:01	01:35	16:44
04-10-2010	17:32	110°21'26"	22:29	+26°17'14"	03:26(+1T)	249°38'07"	07:34	18:58	02:59	17:08
05-10-2010	17:28	110°22'00"	22:25	+26°16'54"	03:22(+1T)	249°37'35"	07:36	18:56	04:24	17:29
06-10-2010	17:24	110°22'33"	22:21	+26°16'34"	03:18(+1T)	249°37'03"	07:37	18:54	05:49	17:50
07-10-2010	17:20	110°23'04"	22:17	+26°16'14"	03:14(+1T)	249°36'31"	07:39	18:52	07:16	18:12
08-10-2010	17:16	110°23'35"	22:13	+26°15'55"	03:09(+1T)	249°36'01"	07:41	18:50	08:42	18:37
09-10-2010	17:12	110°24'05"	22:09	+26°15'37"	03:05(+1T)	249°35'32"	07:42	18:48	10:08	19:07
10-10-2010	17:08	110°24'34"	22:05	+26°15'19"	03:01(+1T)	249°35'04"	07:44	18:46	11:29	19:44
11-10-2010	17:04	110°25'02"	22:01	+26°15'02"	02:57(+1T)	249°34'37"	07:46	18:43	12:41	20:31
12-10-2010	17:00	110°25'29"	21:57	+26°14'45"	02:53(+1T)	249°34'10"	07:47	18:41	13:42	21:26
13-10-2010	16:57	110°25'55"	21:53	+26°14'29"	02:49(+1T)	249°33'45"	07:49	18:39	14:29	22:30
14-10-2010	16:53	110°26'21"	21:49	+26°14'14"	02:45(+1T)	249°33'20"	07:50	18:37	15:06	23:37
15-10-2010	16:49	110°26'45"	21:45	+26°13'59"	02:41(+1T)	249°32'57"	07:52	18:35	15:34	---
16-10-2010	16:45	110°27'08"	21:41	+26°13'45"	02:37(+1T)	249°32'35"	07:54	18:33	15:57	00:46
17-10-2010	16:41	110°27'30"	21:37	+26°13'31"	02:33(+1T)	249°32'13"	07:55	18:31	16:15	01:53
18-10-2010	16:37	110°27'51"	21:33	+26°13'18"	02:29(+1T)	249°31'53"	07:57	18:29	16:32	03:00
19-10-2010	16:33	110°28'11"	21:29	+26°13'06"	02:25(+1T)	249°31'34"	07:59	18:27	16:48	04:06
20-10-2010	16:29	110°28'30"	21:25	+26°12'54"	02:21(+1T)	249°31'15"	08:00	18:25	17:04	05:12
21-10-2010	16:25	110°28'48"	21:21	+26°12'43"	02:18(+1T)	249°30'58"	08:02	18:23	17:21	06:19
22-10-2010	16:21	110°29'05"	21:17	+26°12'33"	02:14(+1T)	249°30'42"	08:04	18:21	17:40	07:27
23-10-2010	16:17	110°29'21"	21:13	+26°12'23"	02:10(+1T)	249°30'27"	08:05	18:19	18:04	08:36
24-10-2010	16:13	110°29'36"	21:09	+26°12'14"	02:06(+1T)	249°30'13"	08:07	18:17	18:33	09:46
25-10-2010	16:09	110°29'50"	21:05	+26°12'06"	02:02(+1T)	249°30'00"	08:09	18:15	19:10	10:55
26-10-2010	16:05	110°30'03"	21:01	+26°11'58"	01:58(+1T)	249°29'48"	08:10	18:13	19:58	11:58

Aufgang/Untergang

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
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Objekt

Planet:
 Neptun

Datum	Aufgang		Meridiandurchgang		Untergang		Sonne		Mond	
	Ortszeit	Azm	Ortszeit	Höhe	Ortszeit	Azm	Aufgang	Untergang	Aufgang	Untergang
27-10-2010	16:01	110°30'15"	20:57	+26°11'51"	01:54(+1T)	249°29'37"	08:12	18:11	20:57	12:54
28-10-2010	15:57	110°30'25"	20:53	+26°11'44"	01:50(+1T)	249°29'27"	08:14	18:09	22:06	13:40
29-10-2010	15:53	110°30'35"	20:50	+26°11'38"	01:46(+1T)	249°29'18"	08:15	18:08	23:22	14:16
30-10-2010	15:49	110°30'43"	20:46	+26°11'33"	01:42(+1T)	249°29'11"	08:17	18:06	---	14:46
31-10-2010	14:45	110°30'51"	19:42	+26°11'29"	00:38(+1T)	249°29'04"	07:19	17:04	00:42	14:10
01-11-2010	14:41	110°30'57"	19:38	+26°11'25"	00:34(+1T)	249°28'59"	07:20	17:02	01:03	14:32
02-11-2010	14:38	110°31'02"	19:34	+26°11'22"	00:30(+1T)	249°28'55"	07:22	17:01	02:25	14:52
03-11-2010	14:34	110°31'06"	19:30	+26°11'19"	00:26(+1T)	249°28'52"	07:24	16:59	03:48	15:13
04-11-2010	14:30	110°31'09"	19:26	+26°11'17"	00:22(+1T)	249°28'50"	07:26	16:57	05:12	15:36
05-11-2010	14:26	110°31'10"	19:22	+26°11'16"	00:18(+1T)	249°28'49"	07:27	16:55	06:36	16:03
06-11-2010	14:22	110°31'11"	19:18	+26°11'16"	00:14(+1T)	249°28'49"	07:29	16:54	08:00	16:36
07-11-2010	14:18	110°31'11"	19:14	+26°11'16"	00:10(+1T)	249°28'51"	07:31	16:52	09:17	17:19
08-11-2010	14:14	110°31'09"	19:10	+26°11'17"	00:06(+1T)	249°28'53"	07:32	16:51	10:25	18:12
09-11-2010	14:10	110°31'06"	19:06	+26°11'19"	00:02(+1T)	249°28'57"	07:34	16:49	11:19	19:13
10-11-2010	14:06	110°31'02"	19:02	+26°11'21"	23:58	249°29'02"	07:36	16:48	12:02	20:21
11-11-2010	14:02	110°30'57"	18:58	+26°11'25"	23:55	249°29'08"	07:37	16:46	12:34	21:31
12-11-2010	13:58	110°30'51"	18:54	+26°11'28"	23:51	249°29'15"	07:39	16:45	12:59	22:40
13-11-2010	13:54	110°30'43"	18:51	+26°11'33"	23:47	249°29'23"	07:41	16:43	13:19	23:47
14-11-2010	13:50	110°30'35"	18:47	+26°11'38"	23:43	249°29'32"	07:42	16:42	13:37	---
15-11-2010	13:46	110°30'25"	18:43	+26°11'44"	23:39	249°29'43"	07:44	16:41	13:53	00:54
16-11-2010	13:43	110°30'15"	18:39	+26°11'51"	23:35	249°29'55"	07:46	16:39	14:09	01:59
17-11-2010	13:39	110°30'03"	18:35	+26°11'58"	23:31	249°30'07"	07:47	16:38	14:25	03:05
18-11-2010	13:35	110°29'50"	18:31	+26°12'06"	23:27	249°30'21"	07:49	16:37	14:44	04:13
19-11-2010	13:31	110°29'35"	18:27	+26°12'15"	23:23	249°30'36"	07:51	16:36	15:06	05:22
20-11-2010	13:27	110°29'20"	18:23	+26°12'24"	23:19	249°30'52"	07:52	16:35	15:33	06:32
21-11-2010	13:23	110°29'04"	18:19	+26°12'34"	23:16	249°31'10"	07:54	16:34	16:08	07:42
22-11-2010	13:19	110°28'46"	18:15	+26°12'45"	23:12	249°31'28"	07:55	16:33	16:53	08:48
23-11-2010	13:15	110°28'28"	18:11	+26°12'56"	23:08	249°31'47"	07:57	16:32	17:50	09:48
24-11-2010	13:11	110°28'08"	18:08	+26°13'08"	23:04	249°32'08"	07:58	16:31	18:57	10:38
25-11-2010	13:07	110°27'47"	18:04	+26°13'21"	23:00	249°32'30"	08:00	16:30	20:12	11:17

Aufgang/Untergang

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
 Län.: 34°6'16"W

Objekt

Planet:
 Neptun

Datum	Aufgang		Meridiandurchgang		Untergang		Sonne		Mond	
	Ortszeit	Azm	Ortszeit	Höhe	Ortszeit	Azm	Aufgang	Untergang	Aufgang	Untergang
26-11-2010	13:03	110°27' 25"	18:00	+26°13' 34"	22:56	249°32' 53"	08:01	16:29	21:31	11:49
27-11-2010	12:59	110°27' 02"	17:56	+26°13' 48"	22:52	249°33' 16"	08:03	16:28	22:51	12:15
28-11-2010	12:56	110°26' 38"	17:52	+26°14' 03"	22:48	249°33' 41"	08:04	16:27	---	12:37
29-11-2010	12:52	110°26' 13"	17:48	+26°14' 19"	22:45	249°34' 08"	08:06	16:26	00:11	12:57
30-11-2010	12:48	110°25' 46"	17:44	+26°14' 35"	22:41	249°34' 35"	08:07	16:26	01:31	13:17
01-12-2010	12:44	110°25' 19"	17:40	+26°14' 52"	22:37	249°35' 03"	08:09	16:25	02:52	13:38
02-12-2010	12:40	110°24' 50"	17:36	+26°15' 09"	22:33	249°35' 32"	08:10	16:25	04:14	14:02
03-12-2010	12:36	110°24' 21"	17:33	+26°15' 27"	22:29	249°36' 03"	08:11	16:24	05:35	14:32
04-12-2010	12:32	110°23' 50"	17:29	+26°15' 46"	22:25	249°36' 34"	08:13	16:24	06:54	15:10
05-12-2010	12:28	110°23' 18"	17:25	+26°16' 05"	22:22	249°37' 07"	08:14	16:23	08:06	15:57
06-12-2010	12:24	110°22' 46"	17:21	+26°16' 26"	22:18	249°37' 41"	08:15	16:23	09:06	16:55
07-12-2010	12:20	110°22' 12"	17:17	+26°16' 46"	22:14	249°38' 15"	08:16	16:23	09:54	18:01
08-12-2010	12:17	110°21' 37"	17:13	+26°17' 08"	22:10	249°38' 51"	08:17	16:22	10:31	19:11
09-12-2010	12:13	110°21' 01"	17:09	+26°17' 30"	22:06	249°39' 28"	08:18	16:22	11:00	20:22
10-12-2010	12:09	110°20' 24"	17:06	+26°17' 52"	22:02	249°40' 05"	08:20	16:22	11:22	21:31
11-12-2010	12:05	110°19' 46"	17:02	+26°18' 16"	21:59	249°40' 44"	08:21	16:22	11:41	22:39
12-12-2010	12:01	110°19' 07"	16:58	+26°18' 39"	21:55	249°41' 24"	08:22	16:22	11:58	23:45
13-12-2010	11:57	110°18' 27"	16:54	+26°19' 04"	21:51	249°42' 05"	08:22	16:22	12:14	---
14-12-2010	11:53	110°17' 46"	16:50	+26°19' 29"	21:47	249°42' 46"	08:23	16:22	12:30	00:50
15-12-2010	11:49	110°17' 04"	16:46	+26°19' 55"	21:43	249°43' 29"	08:24	16:22	12:47	01:56
16-12-2010	11:45	110°16' 21"	16:42	+26°20' 21"	21:39	249°44' 13"	08:25	16:22	13:07	03:04
17-12-2010	11:41	110°15' 38"	16:39	+26°20' 48"	21:36	249°44' 57"	08:26	16:22	13:32	04:13
18-12-2010	11:38	110°14' 53"	16:35	+26°21' 15"	21:32	249°45' 43"	08:26	16:23	14:03	05:23
19-12-2010	11:34	110°14' 07"	16:31	+26°21' 43"	21:28	249°46' 29"	08:27	16:23	14:44	06:32
20-12-2010	11:30	110°13' 20"	16:27	+26°22' 12"	21:24	249°47' 16"	08:28	16:23	15:36	07:35
21-12-2010	11:26	110°12' 33"	16:23	+26°22' 41"	21:20	249°48' 05"	08:28	16:24	16:41	08:30
22-12-2010	11:22	110°11' 45"	16:19	+26°23' 11"	21:17	249°48' 54"	08:29	16:24	17:55	09:15
23-12-2010	11:18	110°10' 55"	16:15	+26°23' 41"	21:13	249°49' 44"	08:29	16:25	19:16	09:50
24-12-2010	11:14	110°10' 05"	16:12	+26°24' 12"	21:09	249°50' 35"	08:30	16:26	20:38	10:19
25-12-2010	11:10	110°09' 14"	16:08	+26°24' 43"	21:05	249°51' 26"	08:30	16:26	22:00	10:42

Aufgang/Untergang

Datum/Standort

Datum: 01-01-2010
 Zeitraum: 1 Jahr
 Br.: 0°25'39"S
 Län.: 34°6'16"W

Objekt

Planet:
 Neptun

Datum	Aufgang		Meridiandurchgang		Untergang		Sonne		Mond	
	Ortszeit	Azm	Ortszeit	Höhe	Ortszeit	Azm	Aufgang	Untergang	Aufgang	Untergang
26-12-2010	11:07	110°08' 22"	16:04	+26°25' 15"	21:02	249°52' 19"	08:30	16:27	23:20	11:03
27-12-2010	11:03	110°07' 29"	16:00	+26°25' 47"	20:58	249°53' 12"	08:31	16:28	---	11:23
28-12-2010	10:59	110°06' 36"	15:56	+26°26' 20"	20:54	249°54' 07"	08:31	16:29	00:41	11:44
29-12-2010	10:55	110°05' 41"	15:52	+26°26' 54"	20:50	249°55' 02"	08:31	16:29	02:01	12:06
30-12-2010	10:51	110°04' 46"	15:49	+26°27' 28"	20:46	249°55' 58"	08:31	16:30	03:21	12:34
31-12-2010	10:47	110°03' 50"	15:45	+26°28' 02"	20:43	249°56' 22"	08:31	16:31	04:39	13:07