



Lever/Coucher

Date/position

Date: 01-01-2010
 Période : 365 jours
 Lat : 48°51'59"N
 Lon : 2°20' 0"E

Objet

Planète:
 Mars

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
01-01-2010	20:03(-1 jour)	60° 01' 50"	03:38	+59° 53' 36"	11:12	300° 03' 35"	08:46	17:02	18:07	09:16
02-01-2010	19:58(-1 jour)	59° 53' 01"	03:33	+59° 58' 59"	11:08	300° 12' 34"	08:46	17:03	19:35	09:51
03-01-2010	19:53(-1 jour)	59° 43' 50"	03:28	+60° 04' 34"	11:04	300° 21' 56"	08:46	17:04	21:01	10:19
04-01-2010	19:48(-1 jour)	59° 34' 16"	03:24	+60° 10' 23"	10:59	300° 31' 40"	08:45	17:05	22:24	10:41
05-01-2010	19:43(-1 jour)	59° 24' 21"	03:19	+60° 16' 24"	10:55	300° 41' 45"	08:45	17:06	23:44	11:01
06-01-2010	19:38(-1 jour)	59° 14' 04"	03:14	+60° 22' 38"	10:51	300° 52' 11"	08:45	17:07	---	11:20
07-01-2010	19:32(-1 jour)	59° 03' 27"	03:09	+60° 29' 02"	10:47	301° 02' 57"	08:45	17:08	01:02	11:40
08-01-2010	19:27(-1 jour)	58° 52' 31"	03:05	+60° 35' 38"	10:43	301° 14' 02"	08:44	17:10	02:18	12:03
09-01-2010	19:21(-1 jour)	58° 41' 16"	03:00	+60° 42' 24"	10:38	301° 26' 05"	08:44	17:11	03:33	12:29
10-01-2010	19:16(-1 jour)	58° 29' 43"	02:55	+60° 49' 20"	10:34	301° 37' 48"	08:43	17:12	04:45	13:01
11-01-2010	19:10(-1 jour)	58° 17' 55"	02:50	+60° 56' 25"	10:30	301° 49' 47"	08:43	17:14	05:51	13:42
12-01-2010	19:04(-1 jour)	58° 05' 51"	02:45	+61° 03' 38"	10:25	302° 02' 01"	08:42	17:15	06:49	14:31
13-01-2010	18:59(-1 jour)	57° 53' 34"	02:40	+61° 10' 58"	10:21	302° 14' 27"	08:42	17:16	07:37	15:29
14-01-2010	18:53(-1 jour)	57° 41' 04"	02:34	+61° 18' 24"	10:17	302° 27' 04"	08:41	17:18	08:15	16:33
15-01-2010	18:47(-1 jour)	57° 28' 24"	02:29	+61° 25' 56"	10:12	302° 39' 51"	08:40	17:19	08:45	17:39
16-01-2010	18:41(-1 jour)	57° 15' 34"	02:24	+61° 33' 32"	10:08	302° 52' 47"	08:40	17:21	09:09	18:46
17-01-2010	18:35(-1 jour)	57° 02' 37"	02:19	+61° 41' 11"	10:03	303° 05' 48"	08:39	17:22	09:29	19:53
18-01-2010	18:29(-1 jour)	56° 49' 35"	02:13	+61° 48' 53"	09:58	303° 18' 55"	08:38	17:23	09:46	20:59
19-01-2010	18:23(-1 jour)	56° 36' 27"	02:08	+61° 56' 36"	09:54	303° 32' 05"	08:37	17:25	10:02	22:04
20-01-2010	18:17(-1 jour)	56° 23' 18"	02:03	+62° 04' 20"	09:49	303° 45' 16"	08:36	17:26	10:17	23:10
21-01-2010	18:10(-1 jour)	56° 10' 08"	01:57	+62° 12' 03"	09:45	303° 58' 26"	08:35	17:28	10:34	---
22-01-2010	18:04(-1 jour)	55° 56' 58"	01:52	+62° 19' 44"	09:40	304° 11' 35"	08:34	17:30	10:52	00:18
23-01-2010	17:58(-1 jour)	55° 43' 52"	01:46	+62° 27' 23"	09:35	304° 24' 39"	08:33	17:31	11:14	01:29
24-01-2010	17:52(-1 jour)	55° 30' 51"	01:41	+62° 34' 57"	09:30	304° 37' 37"	08:32	17:33	11:42	02:42
25-01-2010	17:46(-1 jour)	55° 17' 55"	01:35	+62° 42' 27"	09:26	304° 50' 28"	08:31	17:34	12:19	03:56
26-01-2010	17:39(-1 jour)	55° 05' 08"	01:30	+62° 49' 51"	09:21	305° 03' 10"	08:30	17:36	13:08	05:07
27-01-2010	17:33(-1 jour)	54° 52' 31"	01:24	+62° 57' 08"	09:16	305° 15' 41"	08:29	17:37	14:13	06:11
28-01-2010	17:27(-1 jour)	54° 40' 04"	01:19	+63° 04' 17"	09:11	305° 28' 00"	08:28	17:39	15:31	07:04
29-01-2010	17:20(-1 jour)	54° 27' 51"	01:13	+63° 11' 19"	09:06	305° 40' 05"	08:26	17:41	16:58	07:45
30-01-2010	17:14(-1 jour)	54° 15' 52"	01:08	+63° 18' 11"	09:01	305° 51' 54"	08:25	17:42	18:27	08:16



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Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
31-01-2010	17:08(-1 jour)	54° 04' 08"	01:02	+63° 24' 53"	08:56	306° 03' 28"	08:24	17:44	19:54	08:42
01-02-2010	17:02(-1 jour)	53° 52' 42"	00:56	+63° 31' 24"	08:52	306° 14' 43"	08:22	17:46	21:19	09:04
02-02-2010	16:55(-1 jour)	53° 41' 34"	00:51	+63° 37' 44"	08:47	306° 25' 39"	08:21	17:47	22:41	09:24
03-02-2010	16:49(-1 jour)	53° 30' 45"	00:45	+63° 43' 52"	08:42	306° 36' 15"	08:20	17:49	---	09:44
04-02-2010	16:43(-1 jour)	53° 20' 17"	00:40	+63° 49' 47"	08:37	306° 46' 29"	08:18	17:51	00:01	10:07
05-02-2010	16:37(-1 jour)	53° 10' 10"	00:34	+63° 55' 30"	08:32	306° 56' 21"	08:17	17:52	01:19	10:32
06-02-2010	16:31(-1 jour)	53° 00' 26"	00:29	+64° 00' 59"	08:27	307° 05' 50"	08:15	17:54	02:34	11:03
07-02-2010	16:25(-1 jour)	52° 51' 05"	00:23	+64° 06' 13"	08:22	307° 14' 55"	08:14	17:56	03:43	11:41
08-02-2010	16:19(-1 jour)	52° 42' 09"	00:18	+64° 11' 13"	08:17	307° 23' 35"	08:12	17:57	04:44	12:27
09-02-2010	16:13(-1 jour)	52° 33' 39"	00:12	+64° 15' 59"	08:12	307° 31' 49"	08:10	17:59	05:35	13:23
10-02-2010	16:07(-1 jour)	52° 25' 33"	00:07	+64° 20' 29"	08:07	307° 39' 37"	08:09	18:01	06:16	14:24
11-02-2010	16:01(-1 jour)	52° 17' 55"	00:01	+64° 24' 44"	08:02	307° 46' 58"	08:07	18:02	06:49	15:30
11-02-2010	15:55	52° 10' 42"	23:56	+64° 28' 44"	07:57(+1 jour)	307° 53' 52"	08:07	18:02	06:49	15:30
12-02-2010	15:49	52° 03' 58"	23:51	+64° 32' 28"	07:52(+1 jour)	308° 00' 19"	08:06	18:04	07:14	16:37
13-02-2010	15:44	51° 57' 40"	23:45	+64° 35' 56"	07:47(+1 jour)	308° 06' 18"	08:04	18:06	07:35	17:43
14-02-2010	15:38	51° 51' 50"	23:40	+64° 39' 08"	07:42(+1 jour)	308° 11' 50"	08:02	18:07	07:53	18:50
15-02-2010	15:33	51° 46' 27"	23:35	+64° 42' 05"	07:38(+1 jour)	308° 16' 54"	08:00	18:09	08:10	19:55
16-02-2010	15:27	51° 41' 32"	23:30	+64° 44' 46"	07:33(+1 jour)	308° 21' 31"	07:59	18:11	08:25	21:01
17-02-2010	15:22	51° 37' 05"	23:25	+64° 47' 11"	07:28(+1 jour)	308° 25' 40"	07:57	18:12	08:41	22:09
18-02-2010	15:17	51° 33' 05"	23:20	+64° 49' 21"	07:23(+1 jour)	308° 29' 22"	07:55	18:14	08:59	23:17
19-02-2010	15:11	51° 29' 32"	23:15	+64° 51' 16"	07:18(+1 jour)	308° 32' 37"	07:53	18:15	09:19	---
20-02-2010	15:06	51° 26' 25"	23:10	+64° 52' 55"	07:14(+1 jour)	308° 35' 26"	07:51	18:17	09:44	00:28
21-02-2010	15:01	51° 23' 45"	23:05	+64° 54' 20"	07:09(+1 jour)	308° 37' 48"	07:50	18:19	10:17	01:40
22-02-2010	14:56	51° 21' 31"	23:00	+64° 55' 31"	07:04(+1 jour)	308° 39' 45"	07:48	18:20	10:59	02:51
23-02-2010	14:51	51° 19' 42"	22:55	+64° 56' 27"	06:59(+1 jour)	308° 41' 17"	07:46	18:22	11:55	03:56
24-02-2010	14:46	51° 18' 19"	22:50	+64° 57' 09"	06:55(+1 jour)	308° 42' 24"	07:44	18:24	13:04	04:52
25-02-2010	14:42	51° 17' 19"	22:46	+64° 57' 38"	06:50(+1 jour)	308° 43' 07"	07:42	18:25	14:24	05:36
26-02-2010	14:37	51° 16' 44"	22:41	+64° 57' 54"	06:46(+1 jour)	308° 43' 27"	07:40	18:27	15:50	06:12
27-02-2010	14:32	51° 16' 32"	22:37	+64° 57' 56"	06:41(+1 jour)	308° 43' 24"	07:38	18:28	17:18	06:40
28-02-2010	14:28	51° 16' 42"	22:32	+64° 57' 46"	06:36(+1 jour)	308° 42' 59"	07:36	18:30	18:44	07:04



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Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
01-03-2010	14:23	51° 17' 14"	22:28	+64° 57' 24"	06:32(+1 jour)	308° 42' 12"	07:34	18:32	20:09	07:25
02-03-2010	14:19	51° 18' 08"	22:23	+64° 56' 49"	06:27(+1 jour)	308° 41' 04"	07:32	18:33	21:32	07:46
03-03-2010	14:15	51° 19' 57"	22:19	+64° 56' 03"	06:23(+1 jour)	308° 39' 35"	07:30	18:35	22:54	08:08
04-03-2010	14:10	51° 21' 24"	22:15	+64° 55' 06"	06:19(+1 jour)	308° 37' 46"	07:28	18:36	---	08:33
05-03-2010	14:06	51° 23' 11"	22:10	+64° 53' 57"	06:14(+1 jour)	308° 35' 37"	07:26	18:38	00:13	09:02
06-03-2010	14:02	51° 25' 18"	22:06	+64° 52' 38"	06:10(+1 jour)	308° 33' 10"	07:24	18:39	01:28	09:39
07-03-2010	13:58	51° 27' 44"	22:02	+64° 51' 08"	06:06(+1 jour)	308° 29' 49"	07:22	18:41	02:34	10:23
08-03-2010	13:54	51° 30' 28"	21:58	+64° 49' 28"	06:01(+1 jour)	308° 26' 48"	07:20	18:43	03:30	11:16
09-03-2010	13:50	51° 33' 31"	21:54	+64° 47' 37"	05:57(+1 jour)	308° 23' 30"	07:18	18:44	04:15	12:16
10-03-2010	13:46	51° 36' 52"	21:50	+64° 45' 36"	05:53(+1 jour)	308° 19' 53"	07:16	18:46	04:50	13:21
11-03-2010	13:43	51° 40' 30"	21:46	+64° 43' 26"	05:49(+1 jour)	308° 16' 00"	07:14	18:47	05:18	14:27
12-03-2010	13:39	51° 44' 25"	21:42	+64° 41' 06"	05:45(+1 jour)	308° 11' 50"	07:12	18:49	05:41	15:34
13-03-2010	13:36	51° 49' 21"	21:38	+64° 38' 37"	05:41(+1 jour)	308° 07' 24"	07:10	18:50	06:00	16:40
14-03-2010	13:32	51° 53' 56"	21:34	+64° 35' 59"	05:37(+1 jour)	308° 02' 42"	07:08	18:52	06:17	17:46
15-03-2010	13:29	51° 58' 48"	21:31	+64° 33' 11"	05:33(+1 jour)	307° 57' 44"	07:06	18:53	06:33	18:52
16-03-2010	13:25	52° 03' 54"	21:27	+64° 30' 15"	05:29(+1 jour)	307° 52' 31"	07:04	18:55	06:49	19:59
17-03-2010	13:22	52° 09' 16"	21:23	+64° 27' 10"	05:25(+1 jour)	307° 47' 03"	07:01	18:56	07:06	21:08
18-03-2010	13:19	52° 14' 53"	21:20	+64° 23' 57"	05:21(+1 jour)	307° 41' 21"	06:59	18:58	07:26	22:18
19-03-2010	13:15	52° 20' 44"	21:16	+64° 20' 35"	05:17(+1 jour)	307° 35' 24"	06:57	19:00	07:50	23:30
20-03-2010	13:12	52° 26' 49"	21:13	+64° 17' 05"	05:13(+1 jour)	307° 29' 13"	06:55	19:01	08:20	---
21-03-2010	13:09	52° 33' 09"	21:09	+64° 13' 27"	05:09(+1 jour)	307° 22' 48"	06:53	19:03	08:59	00:41
22-03-2010	13:06	52° 39' 42"	21:06	+64° 09' 41"	05:05(+1 jour)	307° 16' 09"	06:51	19:04	09:49	01:47
23-03-2010	13:03	52° 46' 28"	21:02	+64° 05' 48"	05:02(+1 jour)	307° 09' 18"	06:49	19:06	10:52	02:44
24-03-2010	13:00	52° 53' 27"	20:59	+64° 01' 46"	04:58(+1 jour)	307° 02' 13"	06:47	19:07	12:05	03:31
25-03-2010	12:57	53° 00' 40"	20:56	+63° 57' 38"	04:54(+1 jour)	306° 54' 56"	06:45	19:09	13:25	04:09
26-03-2010	12:54	53° 08' 04"	20:53	+63° 53' 21"	04:51(+1 jour)	306° 47' 26"	06:43	19:10	14:49	04:39
27-03-2010	12:52	53° 15' 42"	20:49	+63° 48' 58"	05:47(+1 jour)	306° 39' 44"	06:40	19:12	16:13	05:04
28-03-2010	13:49	53° 23' 31"	21:46	+63° 44' 27"	05:43(+1 jour)	306° 31' 11"	07:38	20:13	18:37	06:26
29-03-2010	13:46	53° 31' 32"	21:43	+63° 39' 50"	05:40(+1 jour)	306° 23' 02"	07:36	20:15	20:00	06:47
30-03-2010	13:44	53° 39' 45"	21:40	+63° 35' 05"	05:36(+1 jour)	306° 14' 42"	07:34	20:16	21:23	07:09



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Planète:
Mars

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
31-03-2010	13:41	53° 48' 10"	21:37	+63° 30' 13"	05:32(+1 jour)	306° 06' 10"	07:32	20:18	22:45	07:32
01-04-2010	13:39	53° 56' 46"	21:34	+63° 25' 14"	05:29(+1 jour)	305° 57' 26"	07:30	20:19	---	08:00
02-04-2010	13:36	54° 05' 34"	21:31	+63° 20' 08"	05:25(+1 jour)	305° 48' 32"	07:28	20:21	00:04	08:34
03-04-2010	13:34	54° 14' 32"	21:28	+63° 14' 56"	05:22(+1 jour)	305° 39' 26"	07:26	20:22	01:16	09:16
04-04-2010	13:31	54° 23' 42"	21:25	+63° 09' 37"	05:18(+1 jour)	305° 30' 09"	07:24	20:24	02:18	10:07
05-04-2010	13:29	54° 33' 04"	21:22	+63° 04' 10"	05:15(+1 jour)	305° 20' 41"	07:22	20:25	03:08	11:06
06-04-2010	13:27	54° 42' 36"	21:19	+62° 58' 37"	05:12(+1 jour)	305° 11' 02"	07:20	20:27	03:48	12:09
07-04-2010	13:24	54° 52' 19"	21:16	+62° 52' 58"	05:08(+1 jour)	305° 01' 12"	07:18	20:28	04:19	13:16
08-04-2010	13:22	55° 02' 13"	21:14	+62° 47' 11"	05:05(+1 jour)	304° 51' 11"	07:16	20:30	04:44	14:22
09-04-2010	13:20	55° 12' 18"	21:11	+62° 41' 17"	05:01(+1 jour)	304° 40' 59"	07:13	20:31	05:04	15:28
10-04-2010	13:18	55° 22' 34"	21:08	+62° 35' 17"	04:58(+1 jour)	304° 30' 37"	07:11	20:33	05:22	16:34
11-04-2010	13:16	55° 33' 01"	21:05	+62° 29' 10"	04:55(+1 jour)	304° 20' 03"	07:09	20:34	05:39	17:40
12-04-2010	13:13	55° 43' 39"	21:03	+62° 22' 57"	04:51(+1 jour)	304° 09' 19"	07:07	20:35	05:55	18:47
13-04-2010	13:11	55° 54' 27"	21:00	+62° 16' 36"	04:48(+1 jour)	303° 58' 25"	07:05	20:37	06:12	19:55
14-04-2010	13:09	56° 05' 26"	20:57	+62° 10' 09"	04:45(+1 jour)	303° 47' 19"	07:03	20:38	06:32	21:06
15-04-2010	13:07	56° 16' 35"	20:55	+62° 03' 35"	04:42(+1 jour)	303° 36' 04"	07:01	20:40	06:55	22:18
16-04-2010	13:05	56° 27' 55"	20:52	+61° 56' 54"	04:38(+1 jour)	303° 24' 38"	07:00	20:41	07:23	23:30
17-04-2010	13:03	56° 39' 26"	20:50	+61° 50' 07"	04:35(+1 jour)	303° 13' 01"	06:58	20:43	08:00	---
18-04-2010	13:02	56° 51' 07"	20:47	+61° 43' 13"	04:32(+1 jour)	303° 01' 14"	06:56	20:44	08:47	00:39
19-04-2010	13:00	57° 02' 58"	20:44	+61° 36' 12"	04:29(+1 jour)	302° 49' 17"	06:54	20:46	09:46	01:39
20-04-2010	12:58	57° 14' 59"	20:42	+61° 29' 04"	04:25(+1 jour)	302° 37' 10"	06:52	20:47	10:56	02:29
21-04-2010	12:56	57° 27' 11"	20:39	+61° 21' 50"	04:22(+1 jour)	302° 24' 53"	06:50	20:49	12:13	03:09
22-04-2010	12:54	57° 39' 32"	20:37	+61° 14' 30"	04:19(+1 jour)	302° 12' 26"	06:48	20:50	13:33	03:41
23-04-2010	12:53	57° 52' 03"	20:34	+61° 07' 03"	04:16(+1 jour)	301° 59' 49"	06:46	20:52	14:54	04:06
24-04-2010	12:51	58° 04' 45"	20:32	+60° 59' 29"	04:13(+1 jour)	301° 47' 02"	06:44	20:53	16:15	04:29
25-04-2010	12:49	58° 17' 36"	20:30	+60° 51' 49"	04:10(+1 jour)	301° 34' 05"	06:42	20:55	17:36	04:50
26-04-2010	12:47	58° 30' 36"	20:27	+60° 44' 03"	04:06(+1 jour)	301° 20' 59"	06:41	20:56	18:57	05:10
27-04-2010	12:46	58° 43' 47"	20:25	+60° 36' 10"	04:03(+1 jour)	301° 07' 44"	06:39	20:58	20:18	05:33
28-04-2010	12:44	58° 57' 07"	20:22	+60° 28' 11"	04:00(+1 jour)	300° 54' 19"	06:37	20:59	21:38	05:58
29-04-2010	12:43	59° 10' 36"	20:20	+60° 20' 05"	03:57(+1 jour)	300° 40' 44"	06:35	21:01	22:53	06:29



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	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
30-04-2010	12:41	59° 24' 15"	20:18	+60° 11' 53"	03:54(+1 jour)	300° 27' 00"	06:34	21:02	---	07:08
01-05-2010	12:39	59° 38' 03"	20:15	+60° 03' 34"	03:51(+1 jour)	300° 13' 07"	06:32	21:04	00:01	07:56
02-05-2010	12:38	59° 52' 01"	20:13	+59° 55' 09"	03:48(+1 jour)	299° 59' 04"	06:30	21:05	00:58	08:52
03-05-2010	12:36	60° 06' 08"	20:11	+59° 46' 38"	03:45(+1 jour)	299° 44' 52"	06:29	21:06	01:43	09:55
04-05-2010	12:35	60° 20' 24"	20:09	+59° 38' 00"	03:42(+1 jour)	299° 30' 31"	06:27	21:08	02:18	11:02
05-05-2010	12:34	60° 34' 50"	20:06	+59° 29' 16"	03:39(+1 jour)	299° 16' 00"	06:25	21:09	02:45	12:09
06-05-2010	12:32	60° 49' 25"	20:04	+59° 20' 26"	03:36(+1 jour)	299° 01' 20"	06:24	21:11	03:07	13:15
07-05-2010	12:31	61° 04' 09"	20:02	+59° 11' 29"	03:32(+1 jour)	298° 46' 31"	06:22	21:12	03:26	14:21
08-05-2010	12:29	61° 19' 03"	20:00	+59° 02' 25"	03:29(+1 jour)	298° 31' 33"	06:21	21:14	03:43	15:26
09-05-2010	12:28	61° 34' 06"	19:57	+58° 53' 16"	03:26(+1 jour)	298° 16' 26"	06:19	21:15	04:00	16:32
10-05-2010	12:27	61° 49' 17"	19:55	+58° 44' 00"	03:23(+1 jour)	298° 01' 09"	06:18	21:16	04:17	17:40
11-05-2010	12:25	62° 04' 38"	19:53	+58° 34' 37"	03:20(+1 jour)	297° 45' 43"	06:16	21:18	04:35	18:50
12-05-2010	12:24	62° 20' 08"	19:51	+58° 25' 08"	03:17(+1 jour)	297° 30' 09"	06:15	21:19	04:57	20:02
13-05-2010	12:23	62° 35' 48"	19:49	+58° 15' 33"	03:14(+1 jour)	297° 14' 25"	06:13	21:21	05:23	21:15
14-05-2010	12:21	62° 51' 35"	19:46	+58° 05' 51"	03:11(+1 jour)	296° 58' 33"	06:12	21:22	05:57	22:26
15-05-2010	12:20	63° 07' 32"	19:44	+57° 56' 04"	03:08(+1 jour)	296° 42' 32"	06:11	21:23	06:42	23:31
16-05-2010	12:19	63° 23' 38"	19:42	+57° 46' 10"	03:05(+1 jour)	296° 26' 22"	06:09	21:25	07:38	---
17-05-2010	12:17	63° 39' 52"	19:40	+57° 36' 09"	03:02(+1 jour)	296° 10' 04"	06:08	21:26	08:46	00:25
18-05-2010	12:16	63° 56' 15"	19:38	+57° 26' 03"	02:59(+1 jour)	295° 53' 37"	06:07	21:27	10:03	01:09
19-05-2010	12:15	64° 12' 47"	19:36	+57° 15' 51"	02:56(+1 jour)	295° 37' 02"	06:06	21:28	11:23	01:43
20-05-2010	12:14	64° 29' 26"	19:34	+57° 05' 32"	02:53(+1 jour)	295° 20' 18"	06:04	21:30	12:43	02:10
21-05-2010	12:13	64° 46' 15"	19:32	+56° 55' 07"	02:50(+1 jour)	295° 03' 26"	06:03	21:31	14:03	02:34
22-05-2010	12:12	65° 03' 11"	19:30	+56° 44' 37"	02:47(+1 jour)	294° 46' 26"	06:02	21:32	15:22	02:54
23-05-2010	12:10	65° 20' 15"	19:28	+56° 34' 00"	02:44(+1 jour)	294° 29' 18"	06:01	21:33	16:40	03:15
24-05-2010	12:09	65° 37' 28"	19:25	+56° 23' 18"	02:41(+1 jour)	294° 12' 02"	06:00	21:35	17:59	03:36
25-05-2010	12:08	65° 54' 48"	19:23	+56° 12' 30"	02:38(+1 jour)	293° 54' 39"	05:59	21:36	19:18	03:59
26-05-2010	12:07	66° 12' 16"	19:21	+56° 01' 36"	02:35(+1 jour)	293° 37' 07"	05:58	21:37	20:34	04:28
27-05-2010	12:06	66° 29' 52"	19:19	+55° 50' 37"	02:32(+1 jour)	293° 19' 28"	05:57	21:38	21:44	05:02
28-05-2010	12:05	66° 47' 36"	19:17	+55° 39' 31"	02:29(+1 jour)	293° 01' 41"	05:56	21:39	22:46	05:46
29-05-2010	12:04	67° 05' 27"	19:15	+55° 28' 21"	02:26(+1 jour)	292° 43' 47"	05:56	21:40	23:36	06:39



Lever/Coucher

Date/position

Date: 01-01-2010
Période : 365 jours
Lat : 48°51'59"N
Lon : 2°20'0"E

Objet

Planète:
Mars

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
30-05-2010	12:03	67° 23' 26"	19:13	+55° 17' 04"	02:23(+1 jour)	292° 25' 45"	05:55	21:41	---	07:40
31-05-2010	12:02	67° 41' 32"	19:11	+55° 05' 42"	02:20(+1 jour)	292° 07' 35"	05:54	21:42	00:15	08:46
01-06-2010	12:01	67° 59' 46"	19:09	+54° 54' 14"	02:17(+1 jour)	291° 49' 18"	05:53	21:43	00:45	09:54
02-06-2010	12:00	68° 18' 08"	19:07	+54° 42' 40"	02:14(+1 jour)	291° 30' 54"	05:53	21:44	01:10	11:01
03-06-2010	11:59	68° 36' 36"	19:05	+54° 31' 02"	02:11(+1 jour)	291° 12' 23"	05:52	21:45	01:30	12:07
04-06-2010	11:58	68° 55' 12"	19:03	+54° 19' 17"	02:08(+1 jour)	290° 53' 44"	05:51	21:46	01:48	13:12
05-06-2010	11:57	69° 13' 56"	19:01	+54° 07' 27"	02:05(+1 jour)	290° 34' 58"	05:51	21:47	02:04	14:17
06-06-2010	11:56	69° 32' 46"	18:59	+53° 55' 32"	02:02(+1 jour)	290° 16' 05"	05:50	21:48	02:21	15:23
07-06-2010	11:55	69° 51' 44"	18:57	+53° 43' 31"	01:59(+1 jour)	289° 57' 04"	05:50	21:48	02:38	16:31
08-06-2010	11:54	70° 10' 49"	18:55	+53° 31' 25"	01:56(+1 jour)	289° 37' 57"	05:50	21:49	02:58	17:42
09-06-2010	11:53	70° 30' 00"	18:53	+53° 19' 14"	01:53(+1 jour)	289° 18' 43"	05:49	21:50	03:22	18:54
10-06-2010	11:52	70° 49' 19"	18:51	+53° 06' 57"	01:50(+1 jour)	288° 59' 22"	05:49	21:51	03:53	20:07
11-06-2010	11:51	71° 08' 45"	18:50	+52° 54' 35"	01:48(+1 jour)	288° 39' 54"	05:49	21:51	04:33	21:16
12-06-2010	11:50	71° 28' 17"	18:48	+52° 42' 08"	01:45(+1 jour)	288° 20' 19"	05:48	21:52	05:25	22:16
13-06-2010	11:49	71° 47' 56"	18:46	+52° 29' 36"	01:42(+1 jour)	288° 00' 38"	05:48	21:52	06:30	23:05
14-06-2010	11:48	72° 07' 42"	18:44	+52° 16' 58"	01:39(+1 jour)	287° 40' 50"	05:48	21:53	07:46	23:43
15-06-2010	11:47	72° 27' 34"	18:42	+52° 04' 16"	01:36(+1 jour)	287° 20' 56"	05:48	21:53	09:07	---
16-06-2010	11:46	72° 47' 33"	18:40	+51° 51' 29"	01:33(+1 jour)	287° 00' 55"	05:48	21:54	10:30	00:14
17-06-2010	11:46	73° 07' 38"	18:38	+51° 38' 37"	01:30(+1 jour)	286° 40' 49"	05:48	21:54	11:51	00:38
18-06-2010	11:45	73° 27' 49"	18:36	+51° 25' 40"	01:27(+1 jour)	286° 20' 36"	05:48	21:55	13:11	01:00
19-06-2010	11:44	73° 48' 06"	18:34	+51° 12' 39"	01:24(+1 jour)	286° 00' 17"	05:48	21:55	14:30	01:20
20-06-2010	11:43	74° 08' 29"	18:32	+50° 59' 33"	01:21(+1 jour)	285° 39' 52"	05:48	21:55	15:48	01:41
21-06-2010	11:42	74° 28' 58"	18:30	+50° 46' 22"	01:18(+1 jour)	285° 19' 22"	05:48	21:55	17:05	02:04
22-06-2010	11:41	74° 49' 33"	18:28	+50° 33' 07"	01:15(+1 jour)	284° 58' 46"	05:49	21:56	18:21	02:30
23-06-2010	11:41	75° 10' 13"	18:27	+50° 19' 48"	01:12(+1 jour)	284° 38' 04"	05:49	21:56	19:32	03:01
24-06-2010	11:40	75° 30' 59"	18:25	+50° 06' 24"	01:09(+1 jour)	284° 17' 17"	05:49	21:56	20:36	03:41
25-06-2010	11:39	75° 51' 50"	18:23	+49° 52' 56"	01:06(+1 jour)	283° 56' 25"	05:50	21:56	21:30	04:30
26-06-2010	11:38	76° 12' 47"	18:21	+49° 39' 24"	01:03(+1 jour)	283° 35' 27"	05:50	21:56	22:12	05:28
27-06-2010	11:37	76° 33' 49"	18:19	+49° 25' 48"	01:00(+1 jour)	283° 14' 24"	05:50	21:56	22:46	06:32
28-06-2010	11:37	76° 54' 56"	18:17	+49° 12' 07"	00:57(+1 jour)	282° 53' 15"	05:51	21:56	23:13	07:39



Lever/Coucher

Date/position

Date: 01-01-2010
 Période : 365 jours
 Lat : 48°51'59"N
 Lon : 2°20' 0"E

Objet

Planète:
 Mars

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
29-06-2010	11:36	77° 16' 09"	18:15	+48° 58' 23"	00:54(+1 jour)	282° 32' 02"	05:51	21:56	23:34	08:47
30-06-2010	11:35	77° 37' 27"	18:13	+48° 44' 34"	00:51(+1 jour)	282° 10' 43"	05:52	21:55	23:53	09:54
01-07-2010	11:34	77° 58' 50"	18:12	+48° 30' 42"	00:48(+1 jour)	281° 49' 19"	05:53	21:55	---	10:59
02-07-2010	11:33	78° 20' 18"	18:10	+48° 16' 45"	00:45(+1 jour)	281° 27' 50"	05:53	21:55	00:10	12:04
03-07-2010	11:33	78° 41' 51"	18:08	+48° 02' 45"	00:43(+1 jour)	281° 06' 17"	05:54	21:55	00:26	13:09
04-07-2010	11:32	79° 03' 28"	18:06	+47° 48' 41"	00:40(+1 jour)	280° 44' 38"	05:55	21:54	00:43	14:15
05-07-2010	11:31	79° 25' 11"	18:04	+47° 34' 33"	00:37(+1 jour)	280° 22' 55"	05:55	21:54	01:01	15:23
06-07-2010	11:31	79° 46' 58"	18:02	+47° 20' 22"	00:34(+1 jour)	280° 01' 07"	05:56	21:53	01:23	16:34
07-07-2010	11:30	80° 08' 50"	18:01	+47° 06' 06"	00:31(+1 jour)	279° 39' 15"	05:57	21:53	01:49	17:45
08-07-2010	11:29	80° 30' 47"	17:59	+46° 51' 48"	00:28(+1 jour)	279° 17' 17"	05:58	21:52	02:24	18:56
09-07-2010	11:28	80° 52' 48"	17:57	+46° 37' 26"	00:25(+1 jour)	278° 55' 16"	05:59	21:52	03:10	20:00
10-07-2010	11:28	81° 14' 54"	17:55	+46° 23' 00"	00:22(+1 jour)	278° 33' 10"	06:00	21:51	04:08	20:55
11-07-2010	11:27	81° 37' 04"	17:53	+46° 08' 31"	00:19(+1 jour)	278° 11' 00"	06:00	21:50	05:20	21:38
12-07-2010	11:26	81° 59' 18"	17:52	+45° 53' 59"	00:16(+1 jour)	277° 48' 45"	06:01	21:50	06:42	22:13
13-07-2010	11:26	82° 21' 37"	17:50	+45° 39' 24"	00:13(+1 jour)	277° 26' 27"	06:02	21:49	08:07	22:41
14-07-2010	11:25	82° 43' 59"	17:48	+45° 24' 45"	00:10(+1 jour)	277° 04' 04"	06:03	21:48	09:32	23:04
15-07-2010	11:24	83° 06' 26"	17:46	+45° 10' 04"	00:07(+1 jour)	276° 41' 38"	06:04	21:47	10:55	23:26
16-07-2010	11:24	83° 28' 56"	17:44	+44° 55' 20"	00:04(+1 jour)	276° 19' 08"	06:06	21:46	12:16	23:47
17-07-2010	11:23	83° 51' 30"	17:43	+44° 40' 33"	00:01(+1 jour)	275° 56' 34"	06:07	21:45	13:36	---
18-07-2010	11:22	84° 14' 07"	17:41	+44° 25' 43"	23:59	275° 33' 57"	06:08	21:44	14:54	00:09
19-07-2010	11:22	84° 36' 48"	17:39	+44° 10' 51"	23:56	275° 11' 17"	06:09	21:43	16:11	00:34
20-07-2010	11:21	84° 59' 32"	17:37	+43° 55' 56"	23:53	274° 48' 33"	06:10	21:42	17:24	01:04
21-07-2010	11:20	85° 22' 20"	17:35	+43° 40' 59"	23:50	274° 25' 46"	06:11	21:41	18:29	01:40
22-07-2010	11:20	85° 45' 10"	17:34	+43° 25' 59"	23:47	274° 02' 56"	06:12	21:40	19:26	02:26
23-07-2010	11:19	86° 08' 04"	17:32	+43° 10' 57"	23:44	273° 40' 03"	06:14	21:39	20:12	03:20
24-07-2010	11:19	86° 31' 00"	17:30	+42° 55' 53"	23:41	273° 17' 07"	06:15	21:38	20:48	04:22
25-07-2010	11:18	86° 54' 00"	17:28	+42° 40' 47"	23:38	272° 54' 08"	06:16	21:37	21:16	05:28
26-07-2010	11:17	87° 17' 02"	17:27	+42° 25' 39"	23:35	272° 31' 07"	06:17	21:35	21:39	06:35
27-07-2010	11:17	87° 40' 07"	17:25	+42° 10' 28"	23:32	272° 08' 03"	06:18	21:34	21:59	07:42
28-07-2010	11:16	88° 03' 15"	17:23	+41° 55' 16"	23:30	271° 44' 56"	06:20	21:33	22:16	08:48



Lever/Coucher

Date/position

Date: 01-01-2010
Période : 365 jours
Lat : 48°51'59"N
Lon : 2°20' 0"E

Objet

Planète:
Mars

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
29-07-2010	11:16	88° 26' 25"	17:21	+41° 40' 03"	23:27	271° 21' 47"	06:21	21:31	22:33	09:53
30-07-2010	11:15	88° 49' 38"	17:20	+41° 24' 47"	23:24	270° 58' 35"	06:22	21:30	22:49	10:58
31-07-2010	11:15	89° 12' 53"	17:18	+41° 09' 30"	23:21	270° 35' 21"	06:24	21:29	23:07	12:03
01-08-2010	11:14	89° 36' 11"	17:16	+40° 54' 11"	23:18	270° 12' 04"	06:25	21:27	23:26	13:09
02-08-2010	11:14	89° 59' 30"	17:15	+40° 38' 50"	23:15	269° 48' 46"	06:26	21:26	23:50	14:17
03-08-2010	11:13	90° 22' 52"	17:13	+40° 23' 29"	23:12	269° 25' 25"	06:28	21:24	---	15:27
04-08-2010	11:12	90° 46' 16"	17:11	+40° 08' 05"	23:09	269° 02' 03"	06:29	21:23	00:20	16:36
05-08-2010	11:12	91° 09' 42"	17:09	+39° 52' 41"	23:06	268° 38' 38"	06:30	21:21	01:00	17:42
06-08-2010	11:11	91° 33' 10"	17:08	+39° 37' 16"	23:04	268° 15' 12"	06:32	21:19	01:51	18:40
07-08-2010	11:11	91° 56' 40"	17:06	+39° 21' 49"	23:01	267° 51' 43"	06:33	21:18	02:55	19:29
08-08-2010	11:10	92° 20' 11"	17:04	+39° 06' 21"	22:58	267° 28' 14"	06:34	21:16	04:11	20:08
09-08-2010	11:10	92° 43' 44"	17:03	+38° 50' 53"	22:55	267° 04' 42"	06:36	21:15	05:35	20:39
10-08-2010	11:09	93° 07' 18"	17:01	+38° 35' 24"	22:52	266° 41' 10"	06:37	21:13	07:01	21:05
11-08-2010	11:09	93° 30' 53"	16:59	+38° 19' 54"	22:49	266° 17' 36"	06:39	21:11	08:27	21:28
12-08-2010	11:08	93° 54' 30"	16:58	+38° 04' 23"	22:47	265° 54' 01"	06:40	21:09	09:52	21:50
13-08-2010	11:08	94° 18' 08"	16:56	+37° 48' 52"	22:44	265° 30' 25"	06:41	21:08	11:16	22:13
14-08-2010	11:08	94° 41' 46"	16:54	+37° 33' 21"	22:41	265° 06' 49"	06:43	21:06	12:37	22:38
15-08-2010	11:07	95° 05' 26"	16:53	+37° 17' 50"	22:38	264° 43' 12"	06:44	21:04	13:57	23:06
16-08-2010	11:07	95° 29' 06"	16:51	+37° 02' 18"	22:35	264° 19' 34"	06:46	21:02	15:13	23:41
17-08-2010	11:06	95° 52' 46"	16:50	+36° 46' 47"	22:32	263° 55' 56"	06:47	21:01	16:22	---
18-08-2010	11:06	96° 16' 27"	16:48	+36° 31' 16"	22:30	263° 32' 17"	06:48	20:59	17:21	00:24
19-08-2010	11:05	96° 40' 08"	16:46	+36° 15' 45"	22:27	263° 08' 38"	06:50	20:57	18:10	01:16
20-08-2010	11:05	97° 03' 49"	16:45	+36° 00' 14"	22:24	262° 45' 00"	06:51	20:55	18:49	02:15
21-08-2010	11:05	97° 27' 30"	16:43	+35° 44' 44"	22:21	262° 21' 21"	06:53	20:53	19:20	03:19
22-08-2010	11:04	97° 51' 11"	16:42	+35° 29' 14"	22:18	261° 57' 43"	06:54	20:51	19:45	04:26
23-08-2010	11:04	98° 14' 51"	16:40	+35° 13' 45"	22:16	261° 34' 05"	06:56	20:49	20:05	05:33
24-08-2010	11:03	98° 38' 31"	16:38	+34° 58' 17"	22:13	261° 10' 27"	06:57	20:47	20:23	06:39
25-08-2010	11:03	99° 02' 11"	16:37	+34° 42' 50"	22:10	260° 46' 50"	06:58	20:45	20:40	07:44
26-08-2010	11:03	99° 25' 50"	16:35	+34° 27' 24"	22:07	260° 23' 14"	07:00	20:43	20:57	08:49
27-08-2010	11:02	99° 49' 28"	16:34	+34° 11' 59"	22:05	259° 59' 38"	07:01	20:41	21:14	09:53



Lever/Coucher

Date/position

Date: 01-01-2010
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Lat : 48°51'59"N
Lon : 2°20' 0"E

Objet

Planète:
Mars

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
28-08-2010	11:02	100° 13' 06"	16:32	+33° 56' 35"	22:02	259° 36' 03"	07:03	20:39	21:33	10:59
29-08-2010	11:02	100° 36' 42"	16:31	+33° 41' 12"	21:59	259° 12' 30"	07:04	20:37	21:55	12:06
30-08-2010	11:01	101° 00' 17"	16:29	+33° 25' 51"	21:56	258° 48' 57"	07:05	20:35	22:22	13:14
31-08-2010	11:01	101° 23' 51"	16:28	+33° 10' 31"	21:54	258° 25' 26"	07:07	20:33	22:57	14:22
01-09-2010	11:01	101° 47' 24"	16:26	+32° 55' 13"	21:51	258° 01' 57"	07:08	20:31	23:42	15:28
02-09-2010	11:00	102° 10' 55"	16:25	+32° 39' 56"	21:48	257° 38' 29"	07:10	20:29	---	16:28
03-09-2010	11:00	102° 34' 24"	16:23	+32° 24' 42"	21:45	257° 15' 03"	07:11	20:27	00:38	17:19
04-09-2010	11:00	102° 57' 52"	16:22	+32° 09' 29"	21:43	256° 51' 38"	07:12	20:25	01:47	18:01
05-09-2010	10:59	103° 21' 18"	16:20	+31° 54' 19"	21:40	256° 28' 16"	07:14	20:23	03:05	18:35
06-09-2010	10:59	103° 44' 41"	16:19	+31° 39' 11"	21:37	256° 04' 56"	07:15	20:21	04:28	19:04
07-09-2010	10:59	104° 08' 02"	16:17	+31° 24' 05"	21:35	255° 41' 39"	07:17	20:19	05:54	19:28
08-09-2010	10:59	104° 31' 20"	16:16	+31° 09' 02"	21:32	255° 18' 24"	07:18	20:17	07:20	19:51
09-09-2010	10:58	104° 54' 36"	16:14	+30° 54' 02"	21:29	254° 55' 11"	07:20	20:15	08:45	20:14
10-09-2010	10:58	105° 17' 49"	16:13	+30° 39' 04"	21:27	254° 32' 02"	07:21	20:12	10:10	20:39
11-09-2010	10:58	105° 40' 59"	16:11	+30° 24' 09"	21:24	254° 08' 56"	07:22	20:10	11:33	21:07
12-09-2010	10:58	106° 04' 05"	16:10	+30° 09' 18"	21:22	253° 45' 53"	07:24	20:08	12:54	21:40
13-09-2010	10:57	106° 27' 08"	16:08	+29° 54' 29"	21:19	253° 22' 54"	07:25	20:06	14:08	22:21
14-09-2010	10:57	106° 50' 08"	16:07	+29° 39' 44"	21:16	252° 59' 59"	07:27	20:04	15:13	23:11
15-09-2010	10:57	107° 13' 03"	16:06	+29° 25' 03"	21:14	252° 37' 08"	07:28	20:02	16:06	---
16-09-2010	10:57	107° 35' 54"	16:04	+29° 10' 25"	21:11	252° 14' 20"	07:29	20:00	16:49	00:09
17-09-2010	10:57	107° 58' 41"	16:03	+28° 55' 51"	21:09	251° 51' 37"	07:31	19:58	17:22	01:12
18-09-2010	10:56	108° 21' 24"	16:01	+28° 41' 21"	21:06	251° 28' 59"	07:32	19:55	17:49	02:18
19-09-2010	10:56	108° 44' 01"	16:00	+28° 26' 56"	21:03	251° 06' 26"	07:34	19:53	18:11	03:24
20-09-2010	10:56	109° 06' 34"	15:59	+28° 12' 34"	21:01	250° 43' 57"	07:35	19:51	18:30	04:30
21-09-2010	10:56	109° 29' 02"	15:57	+27° 58' 17"	20:58	250° 21' 34"	07:37	19:49	18:47	05:35
22-09-2010	10:56	109° 51' 25"	15:56	+27° 44' 04"	20:56	249° 59' 16"	07:38	19:47	19:04	06:40
23-09-2010	10:56	110° 13' 42"	15:55	+27° 29' 57"	20:53	249° 37' 03"	07:39	19:45	19:21	07:45
24-09-2010	10:55	110° 35' 53"	15:53	+27° 15' 53"	20:51	249° 14' 56"	07:41	19:43	19:40	08:50
25-09-2010	10:55	110° 57' 59"	15:52	+27° 01' 55"	20:48	248° 52' 55"	07:42	19:41	20:01	09:57
26-09-2010	10:55	111° 19' 58"	15:51	+26° 48' 02"	20:46	248° 31' 01"	07:44	19:38	20:27	11:05



Lever/Coucher

Date/position

Date: 01-01-2010
Période : 365 jours
Lat : 48°51'59"N
Lon : 2°20'0"E

Objet

Planète:
Mars

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
27-09-2010	10:55	111° 41' 51"	15:49	+26° 34' 15"	20:43	248° 09' 13"	07:45	19:36	20:59	12:13
28-09-2010	10:55	112° 03' 37"	15:48	+26° 20' 32"	20:41	247° 47' 31"	07:47	19:34	21:40	13:19
29-09-2010	10:55	112° 25' 17"	15:47	+26° 06' 56"	20:39	247° 25' 57"	07:48	19:32	22:31	14:19
30-09-2010	10:55	112° 46' 49"	15:46	+25° 53' 24"	20:36	247° 04' 29"	07:50	19:30	23:34	15:12
01-10-2010	10:55	113° 08' 14"	15:44	+25° 39' 59"	20:34	246° 43' 09"	07:51	19:28	---	15:57
02-10-2010	10:54	113° 29' 32"	15:43	+25° 26' 40"	20:31	246° 21' 57"	07:52	19:26	00:46	16:33
03-10-2010	10:54	113° 50' 42"	15:42	+25° 13' 27"	20:29	246° 00' 52"	07:54	19:24	02:04	17:02
04-10-2010	10:54	114° 11' 43"	15:41	+25° 00' 20"	20:27	245° 39' 56"	07:55	19:22	03:26	17:28
05-10-2010	10:54	114° 32' 37"	15:39	+24° 47' 20"	20:24	245° 19' 07"	07:57	19:20	04:49	17:51
06-10-2010	10:54	114° 53' 22"	15:38	+24° 34' 27"	20:22	244° 58' 28"	07:58	19:17	06:13	18:14
07-10-2010	10:54	115° 13' 57"	15:37	+24° 21' 40"	20:20	244° 37' 58"	08:00	19:15	07:37	18:37
08-10-2010	10:54	115° 34' 24"	15:36	+24° 09' 01"	20:17	244° 17' 37"	08:01	19:13	09:02	19:04
09-10-2010	10:54	115° 54' 41"	15:35	+23° 56' 29"	20:15	243° 57' 25"	08:03	19:11	10:25	19:36
10-10-2010	10:54	116° 14' 49"	15:34	+23° 44' 04"	20:13	243° 37' 23"	08:04	19:09	11:45	20:15
11-10-2010	10:54	116° 34' 46"	15:32	+23° 31' 46"	20:11	243° 17' 32"	08:06	19:07	12:56	21:02
12-10-2010	10:54	116° 54' 33"	15:31	+23° 19' 37"	20:08	242° 57' 51"	08:07	19:05	13:56	21:58
13-10-2010	10:54	117° 14' 09"	15:30	+23° 07' 35"	20:06	242° 38' 21"	08:09	19:03	14:44	23:01
14-10-2010	10:54	117° 33' 34"	15:29	+22° 55' 41"	20:04	242° 19' 02"	08:10	19:01	15:22	---
15-10-2010	10:54	117° 52' 48"	15:28	+22° 43' 56"	20:02	241° 59' 54"	08:12	18:59	15:51	00:07
16-10-2010	10:54	118° 11' 50"	15:27	+22° 32' 19"	20:00	241° 40' 58"	08:13	18:57	16:15	01:14
17-10-2010	10:54	118° 30' 40"	15:26	+22° 20' 51"	19:58	241° 22' 14"	08:15	18:55	16:35	02:20
18-10-2010	10:54	118° 49' 18"	15:25	+22° 09' 31"	19:56	241° 03' 43"	08:16	18:53	16:53	03:26
19-10-2010	10:53	119° 07' 43"	15:24	+21° 58' 21"	19:53	240° 45' 24"	08:18	18:52	17:10	04:30
20-10-2010	10:53	119° 25' 55"	15:23	+21° 47' 19"	19:51	240° 27' 18"	08:20	18:50	17:27	05:35
21-10-2010	10:53	119° 43' 54"	15:22	+21° 36' 27"	19:49	240° 09' 26"	08:21	18:48	17:46	06:40
22-10-2010	10:53	120° 01' 40"	15:21	+21° 25' 44"	19:47	239° 51' 47"	08:23	18:46	18:07	07:47
23-10-2010	10:53	120° 19' 11"	15:20	+21° 15' 11"	19:45	239° 34' 22"	08:24	18:44	18:31	08:55
24-10-2010	10:53	120° 36' 29"	15:19	+21° 04' 48"	19:43	239° 17' 11"	08:26	18:42	19:02	10:03
25-10-2010	10:53	120° 53' 31"	15:18	+20° 54' 34"	19:41	239° 00' 15"	08:27	18:40	19:40	11:10
26-10-2010	10:53	121° 10' 19"	15:17	+20° 44' 31"	19:40	238° 43' 35"	08:29	18:39	20:29	12:13



Lever/Coucher

Date/position

Date: 01-01-2010
Période : 365 jours
Lat : 48°51'59"N
Lon : 2°20' 0"E

Objet

Planète:
Mars

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
27-10-2010	10:53	121° 26' 52"	15:16	+20° 34' 38"	19:38	238° 27' 09"	08:31	18:37	21:28	13:08
28-10-2010	10:53	121° 43' 09"	15:15	+20° 24' 55"	19:36	238° 10' 59"	08:32	18:35	22:36	13:55
29-10-2010	10:53	121° 59' 10"	15:14	+20° 15' 24"	19:34	237° 55' 05"	08:34	18:33	23:51	14:33
30-10-2010	10:53	122° 14' 54"	15:13	+20° 06' 02"	19:32	237° 39' 28"	08:35	18:32	---	15:03
31-10-2010	09:53	122° 30' 22"	14:12	+19° 56' 52"	18:30	237° 24' 07"	07:37	17:30	01:09	14:29
01-11-2010	09:53	122° 45' 33"	14:11	+19° 47' 53"	18:28	237° 09' 04"	07:39	17:28	01:28	14:53
02-11-2010	09:53	123° 00' 26"	14:10	+19° 39' 06"	18:27	236° 54' 18"	07:40	17:27	02:49	15:15
03-11-2010	09:53	123° 15' 02"	14:09	+19° 30' 30"	18:25	236° 39' 50"	07:42	17:25	04:10	15:37
04-11-2010	09:53	123° 29' 19"	14:08	+19° 22' 05"	18:23	236° 25' 40"	07:43	17:24	05:32	16:02
05-11-2010	09:53	123° 43' 18"	14:07	+19° 13' 53"	18:22	236° 11' 49"	07:45	17:22	06:55	16:31
06-11-2010	09:53	123° 56' 58"	14:06	+19° 05' 52"	18:20	235° 58' 16"	07:47	17:20	08:16	17:06
07-11-2010	09:53	124° 10' 18"	14:06	+18° 58' 04"	18:18	235° 45' 04"	07:48	17:19	09:32	17:50
08-11-2010	09:53	124° 23' 19"	14:05	+18° 50' 28"	18:17	235° 32' 10"	07:50	17:18	10:39	18:43
09-11-2010	09:52	124° 36' 00"	14:04	+18° 43' 04"	18:15	235° 19' 37"	07:51	17:16	11:34	19:45
10-11-2010	09:52	124° 48' 21"	14:03	+18° 35' 53"	18:14	235° 07' 25"	07:53	17:15	12:17	20:51
11-11-2010	09:52	125° 00' 21"	14:02	+18° 28' 55"	18:12	234° 55' 33"	07:54	17:13	12:50	22:00
12-11-2010	09:52	125° 11' 59"	14:01	+18° 22' 10"	18:11	234° 44' 02"	07:56	17:12	13:16	23:07
13-11-2010	09:52	125° 23' 17"	14:01	+18° 15' 38"	18:09	234° 32' 53"	07:58	17:11	13:38	---
14-11-2010	09:52	125° 34' 12"	14:00	+18° 09' 20"	18:08	234° 22' 06"	07:59	17:09	13:57	00:13
15-11-2010	09:52	125° 44' 45"	13:59	+18° 03' 14"	18:06	234° 11' 41"	08:01	17:08	14:15	01:18
16-11-2010	09:52	125° 54' 56"	13:58	+17° 57' 23"	18:05	234° 01' 39"	08:02	17:07	14:32	02:22
17-11-2010	09:51	126° 04' 44"	13:58	+17° 51' 45"	18:04	233° 51' 59"	08:04	17:06	14:50	03:27
18-11-2010	09:51	126° 14' 09"	13:57	+17° 46' 21"	18:02	233° 42' 43"	08:05	17:05	15:10	04:33
19-11-2010	09:51	126° 23' 10"	13:56	+17° 41' 11"	18:01	233° 33' 50"	08:07	17:04	15:33	05:40
20-11-2010	09:51	126° 31' 48"	13:55	+17° 36' 15"	18:00	233° 25' 21"	08:08	17:03	16:02	06:49
21-11-2010	09:50	126° 40' 01"	13:55	+17° 31' 33"	17:59	233° 17' 16"	08:10	17:02	16:38	07:58
22-11-2010	09:50	126° 47' 50"	13:54	+17° 27' 05"	17:57	233° 09' 36"	08:11	17:01	17:24	09:03
23-11-2010	09:50	126° 55' 15"	13:53	+17° 22' 53"	17:56	233° 02' 20"	08:13	17:00	18:21	10:03
24-11-2010	09:50	127° 02' 14"	13:52	+17° 18' 54"	17:55	232° 55' 29"	08:14	16:59	19:28	10:53
25-11-2010	09:49	127° 08' 48"	13:52	+17° 15' 11"	17:54	232° 49' 04"	08:16	16:58	20:42	11:33



Lever/Coucher

Date/position

Date: 01-01-2010
Période : 365 jours
Lat : 48°51'59"N
Lon : 2°20' 0"E

Objet

Planète:
Mars

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
26-11-2010	09:49	127° 14' 57"	13:51	+17° 11' 42"	17:53	232° 43' 05"	08:17	16:57	21:59	12:06
27-11-2010	09:49	127° 20' 39"	13:50	+17° 08' 29"	17:52	232° 37' 31"	08:19	16:57	23:17	12:34
28-11-2010	09:48	127° 25' 56"	13:50	+17° 05' 30"	17:51	232° 32' 23"	08:20	16:56	---	12:57
29-11-2010	09:48	127° 30' 46"	13:49	+17° 02' 47"	17:50	232° 27' 42"	08:21	16:55	00:36	13:19
30-11-2010	09:48	127° 35' 10"	13:48	+17° 00' 19"	17:49	232° 23' 27"	08:23	16:55	01:54	13:41
01-12-2010	09:47	127° 39' 07"	13:48	+16° 58' 06"	17:48	232° 19' 39"	08:24	16:54	03:13	14:04
02-12-2010	09:47	127° 42' 37"	13:47	+16° 56' 09"	17:47	232° 16' 19"	08:25	16:54	04:33	14:30
03-12-2010	09:46	127° 45' 40"	13:46	+16° 54' 27"	17:47	232° 13' 25"	08:26	16:53	05:53	15:01
04-12-2010	09:46	127° 48' 15"	13:46	+16° 53' 01"	17:46	232° 10' 59"	08:28	16:53	07:10	15:40
05-12-2010	09:45	127° 50' 23"	13:45	+16° 51' 51"	17:45	232° 09' 00"	08:29	16:52	08:20	16:29
06-12-2010	09:45	127° 52' 03"	13:45	+16° 50' 56"	17:44	232° 07' 29"	08:30	16:52	09:21	17:27
07-12-2010	09:44	127° 53' 16"	13:44	+16° 50' 18"	17:44	232° 06' 26"	08:31	16:52	10:09	18:32
08-12-2010	09:44	127° 54' 00"	13:43	+16° 49' 55"	17:43	232° 05' 51"	08:32	16:52	10:47	19:41
09-12-2010	09:43	127° 54' 17"	13:43	+16° 49' 48"	17:42	232° 05' 44"	08:33	16:51	11:17	20:50
10-12-2010	09:42	127° 54' 05"	13:42	+16° 49' 58"	17:42	232° 06' 05"	08:34	16:51	11:41	21:58
11-12-2010	09:42	127° 53' 25"	13:41	+16° 50' 23"	17:41	232° 06' 54"	08:35	16:51	12:01	23:04
12-12-2010	09:41	127° 52' 17"	13:41	+16° 51' 05"	17:41	232° 08' 12"	08:36	16:51	12:19	---
13-12-2010	09:40	127° 50' 41"	13:40	+16° 52' 02"	17:40	232° 09' 58"	08:37	16:51	12:36	00:08
14-12-2010	09:40	127° 48' 36"	13:40	+16° 53' 16"	17:40	232° 12' 12"	08:38	16:51	12:54	01:13
15-12-2010	09:39	127° 46' 03"	13:39	+16° 54' 46"	17:39	232° 14' 55"	08:39	16:52	13:12	02:17
16-12-2010	09:38	127° 43' 02"	13:38	+16° 56' 32"	17:39	232° 18' 06"	08:40	16:52	13:34	03:23
17-12-2010	09:37	127° 39' 32"	13:38	+16° 58' 35"	17:39	232° 21' 45"	08:40	16:52	14:00	04:31
18-12-2010	09:36	127° 35' 34"	13:37	+17° 00' 53"	17:38	232° 25' 53"	08:41	16:52	14:33	05:40
19-12-2010	09:35	127° 31' 08"	13:37	+17° 03' 28"	17:38	232° 30' 29"	08:42	16:53	15:14	06:47
20-12-2010	09:35	127° 26' 13"	13:36	+17° 06' 19"	17:38	232° 35' 33"	08:42	16:53	16:07	07:50
21-12-2010	09:34	127° 20' 50"	13:35	+17° 09' 27"	17:37	232° 41' 05"	08:43	16:54	17:12	08:45
22-12-2010	09:33	127° 15' 00"	13:35	+17° 12' 50"	17:37	232° 47' 06"	08:43	16:54	18:25	09:31
23-12-2010	09:32	127° 08' 41"	13:34	+17° 16' 30"	17:37	232° 53' 34"	08:44	16:55	19:44	10:07
24-12-2010	09:31	127° 01' 54"	13:34	+17° 20' 26"	17:37	233° 00' 30"	08:44	16:55	21:05	10:37
25-12-2010	09:30	126° 54' 40"	13:33	+17° 24' 39"	17:36	233° 07' 54"	08:45	16:56	22:24	11:02

REDSHIFT™ 6

Lever/Coucher

Date/position

Date: 01-01-2010
Période : 365 jours
Lat : 48°51'59"N
Lon : 2°20' 0"E

Objet

Planète:
Mars

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
26-12-2010	09:29	126° 46' 58"	13:32	+17° 29' 07"	17:36	233° 15' 46"	08:45	16:57	23:44	11:25
27-12-2010	09:28	126° 38' 48"	13:32	+17° 33' 52"	17:36	233° 24' 05"	08:45	16:57	---	11:46
28-12-2010	09:26	126° 30' 11"	13:31	+17° 38' 52"	17:36	233° 32' 52"	08:45	16:58	01:02	12:09
29-12-2010	09:25	126° 21' 07"	13:31	+17° 44' 09"	17:36	233° 42' 05"	08:46	16:59	02:21	12:33
30-12-2010	09:24	126° 11' 37"	13:30	+17° 49' 42"	17:36	233° 51' 46"	08:46	17:00	03:39	13:02
31-12-2010	09:23	126° 01' 39"	13:29	+17° 55' 30"	17:36	234° 01' 53"	08:46	17:01	04:55	13:37