



Lever/Coucher

Date/position

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

Objet

Satellite:
La Lune

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
01-01-2010	16:43(-1 jour)	51° 46' 09"	01:06	+64° 10' 37"	09:16	304° 47' 45"	08:46	17:02	18:07	09:16
02-01-2010	18:07(-1 jour)	57° 31' 48"	02:08	+60° 15' 43"	09:51	297° 39' 55"	08:46	17:03	19:35	09:51
03-01-2010	19:35(-1 jour)	65° 38' 37"	03:06	+54° 57' 02"	10:19	288° 59' 20"	08:46	17:04	21:01	10:19
04-01-2010	21:01(-1 jour)	75° 05' 34"	04:00	+48° 47' 16"	10:41	279° 33' 33"	08:45	17:05	22:24	10:41
05-01-2010	22:24(-1 jour)	85° 04' 01"	04:50	+42° 17' 21"	11:01	269° 57' 08"	08:45	17:06	23:44	11:01
06-01-2010	23:44(-1 jour)	94° 59' 38"	05:39	+35° 52' 49"	11:20	260° 34' 58"	08:45	17:07	---	11:20
07-01-2010	01:02	104° 27' 36"	06:27	+29° 53' 59"	11:40	251° 46' 29"	08:45	17:08	01:02	11:40
08-01-2010	02:18	113° 07' 09"	07:15	+24° 37' 05"	12:03	243° 49' 48"	08:44	17:10	02:18	12:03
09-01-2010	03:33	120° 36' 56"	08:05	+20° 15' 49"	12:29	237° 05' 03"	08:44	17:11	03:33	12:29
10-01-2010	04:45	126° 32' 09"	08:56	+17° 01' 46"	13:01	231° 56' 23"	08:43	17:12	04:45	13:01
11-01-2010	05:51	130° 25' 11"	09:48	+15° 03' 55"	13:42	228° 50' 03"	08:43	17:14	05:51	13:42
12-01-2010	06:49	131° 55' 58"	10:40	+14° 27' 09"	14:31	228° 06' 20"	08:42	17:15	06:49	14:31
13-01-2010	07:37	130° 58' 53"	11:31	+15° 10' 59"	15:29	229° 48' 37"	08:42	17:16	07:37	15:29
14-01-2010	08:15	127° 49' 42"	12:21	+17° 09' 22"	16:33	233° 39' 05"	08:41	17:18	08:15	16:33
15-01-2010	08:45	122° 56' 44"	13:08	+20° 12' 00"	17:39	239° 09' 53"	08:40	17:19	08:45	17:39
16-01-2010	09:09	116° 49' 21"	13:53	+24° 06' 28"	18:46	245° 51' 23"	08:40	17:21	09:09	18:46
17-01-2010	09:29	109° 51' 39"	14:36	+28° 40' 06"	19:53	253° 18' 24"	08:39	17:22	09:29	19:53
18-01-2010	09:46	102° 21' 36"	15:17	+33° 41' 00"	20:59	261° 13' 56"	08:38	17:23	09:46	20:59
19-01-2010	10:02	94° 32' 18"	15:57	+38° 58' 22"	22:04	269° 25' 00"	08:37	17:25	10:02	22:04
20-01-2010	10:17	86° 33' 59"	16:37	+44° 22' 08"	23:10	277° 40' 53"	08:36	17:26	10:17	23:10
21-01-2010	10:34	78° 36' 05"	17:19	+49° 41' 52"	00:18(+1 jour)	285° 50' 30"	08:35	17:28	10:34	---
22-01-2010	10:52	70° 49' 36"	18:03	+54° 45' 47"	01:29(+1 jour)	293° 39' 05"	08:34	17:30	10:52	00:18
23-01-2010	11:14	63° 30' 12"	18:50	+59° 19' 12"	02:42(+1 jour)	300° 43' 35"	08:33	17:31	11:14	01:29
24-01-2010	11:42	57° 02' 28"	19:42	+63° 03' 21"	03:56(+1 jour)	306° 27' 46"	08:32	17:33	11:42	02:42
25-01-2010	12:19	52° 04' 17"	20:39	+65° 35' 21"	05:07(+1 jour)	310° 01' 25"	08:31	17:34	12:19	03:56
26-01-2010	13:08	49° 26' 43"	21:40	+66° 31' 25"	06:11(+1 jour)	310° 33' 59"	08:30	17:36	13:08	05:07
27-01-2010	14:13	49° 58' 46"	22:43	+65° 33' 45"	07:04(+1 jour)	307° 43' 37"	08:29	17:37	14:13	06:11
28-01-2010	15:31	53° 57' 49"	23:46	+62° 38' 47"	07:45(+1 jour)	301° 52' 46"	08:28	17:39	15:31	07:04
29-01-2010	16:58	60° 41' 38"	---	---	07:45	301° 39' 03"	08:26	17:41	16:58	07:45
30-01-2010	16:58(-1 jour)	60° 55' 39"	00:46	+58° 00' 41"	08:16	293° 51' 12"	08:25	17:42	18:27	08:16



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Objet

Satellite:
 La Lune

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
31-01-2010	18:27(-1 jour)	69° 54' 55"	01:43	+52° 07' 20"	08:42	284° 31' 36"	08:24	17:44	19:54	08:42
01-02-2010	19:54(-1 jour)	79° 59' 12"	02:37	+45° 32' 10"	09:04	274° 38' 05"	08:22	17:46	21:19	09:04
02-02-2010	21:19(-1 jour)	90° 22' 11"	03:29	+38° 47' 27"	09:24	264° 45' 01"	08:21	17:47	22:41	09:24
03-02-2010	22:41(-1 jour)	100° 28' 31"	04:19	+32° 20' 36"	09:44	255° 19' 17"	08:20	17:49	---	09:44
04-02-2010	00:01	109° 50' 21"	05:09	+26° 33' 20"	10:07	246° 43' 30"	08:18	17:51	00:01	10:07
05-02-2010	01:19	118° 03' 04"	06:00	+21° 42' 22"	10:32	239° 19' 14"	08:17	17:52	01:19	10:32
06-02-2010	02:34	124° 41' 47"	06:51	+18° 00' 13"	11:03	233° 29' 42"	08:15	17:54	02:34	11:03
07-02-2010	03:43	129° 20' 53"	07:44	+15° 35' 31"	11:41	229° 39' 28"	08:14	17:56	03:43	11:41
08-02-2010	04:44	131° 38' 29"	08:36	+14° 32' 36"	12:27	228° 09' 00"	08:12	17:57	04:44	12:27
09-02-2010	05:35	131° 27' 56"	09:28	+14° 50' 58"	13:23	229° 05' 06"	08:10	17:59	05:35	13:23
10-02-2010	06:16	129° 00' 02"	10:18	+16° 25' 22"	14:24	232° 15' 27"	08:09	18:01	06:16	14:24
11-02-2010	06:49	124° 40' 13"	11:06	+19° 06' 45"	15:30	237° 13' 26"	08:07	18:02	06:49	15:30
12-02-2010	07:14	118° 57' 12"	11:51	+22° 43' 51"	16:37	243° 31' 59"	08:06	18:04	07:14	16:37
13-02-2010	07:35	112° 15' 56"	12:34	+27° 04' 41"	17:43	250° 44' 19"	08:04	18:06	07:35	17:43
14-02-2010	07:53	104° 55' 44"	13:16	+31° 57' 25"	18:50	258° 31' 44"	08:02	18:07	07:53	18:50
15-02-2010	08:10	97° 11' 21"	13:57	+37° 10' 43"	19:55	266° 39' 20"	08:00	18:09	08:10	19:55
16-02-2010	08:25	89° 14' 38"	14:37	+42° 33' 36"	21:01	274° 54' 43"	07:59	18:11	08:25	21:01
17-02-2010	08:41	81° 16' 16"	15:18	+47° 54' 58"	22:09	283° 05' 45"	07:57	18:12	08:41	22:09
18-02-2010	08:59	73° 27' 41"	16:01	+53° 02' 58"	23:17	290° 58' 13"	07:55	18:14	08:59	23:17
19-02-2010	09:19	66° 03' 10"	16:46	+57° 44' 00"	00:28(+1 jour)	298° 12' 36"	07:53	18:15	09:19	---
20-02-2010	09:44	59° 22' 55"	17:35	+61° 42' 02"	01:40(+1 jour)	304° 20' 20"	07:51	18:17	09:44	00:28
21-02-2010	10:17	53° 56' 26"	18:29	+64° 38' 23"	02:51(+1 jour)	308° 41' 45"	07:50	18:19	10:17	01:40
22-02-2010	10:59	50° 24' 08"	19:26	+66° 13' 00"	03:56(+1 jour)	310° 31' 51"	07:48	18:20	10:59	02:51
23-02-2010	11:55	49° 30' 49"	20:25	+66° 08' 18"	04:51(+1 jour)	309° 18' 51"	07:46	18:22	11:55	03:56
24-02-2010	13:04	51° 46' 14"	21:26	+64° 14' 45"	05:36(+1 jour)	305° 03' 38"	07:44	18:24	13:04	04:52
25-02-2010	14:24	57° 05' 44"	22:26	+60° 35' 29"	06:12(+1 jour)	298° 17' 49"	07:42	18:25	14:24	05:36
26-02-2010	15:50	64° 53' 35"	23:24	+55° 26' 53"	06:40(+1 jour)	289° 45' 42"	07:40	18:27	15:50	06:12
27-02-2010	17:18	74° 05' 08"	---	---	06:40	289° 31' 58"	07:38	18:28	17:18	06:40
28-02-2010	17:18(-1 jour)	74° 19' 18"	00:20	+49° 15' 03"	07:04	280° 10' 26"	07:36	18:30	18:44	07:04
01-03-2010	18:44(-1 jour)	84° 36' 15"	01:13	+42° 30' 47"	07:25	270° 09' 42"	07:34	18:32	20:09	07:25



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La Lune

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
02-03-2010	20:09(-1 jour)	95° 03' 24"	02:05	+35° 45' 01"	07:46	260° 16' 04"	07:32	18:33	21:32	07:46
03-03-2010	21:32(-1 jour)	105° 05' 22"	02:57	+29° 25' 46"	08:08	250° 58' 23"	07:30	18:35	22:54	08:08
04-03-2010	22:54(-1 jour)	114° 10' 17"	03:49	+23° 56' 21"	08:33	242° 43' 40"	07:28	18:36	---	08:33
05-03-2010	00:13	121° 47' 42"	04:42	+19° 34' 42"	09:02	235° 58' 54"	07:26	18:38	00:13	09:02
06-03-2010	01:28	127° 27' 54"	05:36	+16° 32' 51"	09:39	231° 11' 20"	07:24	18:39	01:28	09:39
07-03-2010	02:34	130° 45' 13"	06:29	+14° 56' 41"	10:23	228° 44' 16"	07:22	18:41	02:34	10:23
08-03-2010	03:30	131° 29' 09"	07:22	+14° 45' 53"	11:16	228° 48' 13"	07:20	18:43	03:30	11:16
09-03-2010	04:15	129° 47' 11"	08:14	+15° 54' 45"	12:16	231° 14' 04"	07:18	18:44	04:15	12:16
10-03-2010	04:50	126° 03' 58"	09:02	+18° 13' 47"	13:21	235° 36' 23"	07:16	18:46	04:50	13:21
11-03-2010	05:18	120° 49' 14"	09:49	+21° 31' 38"	14:27	241° 27' 24"	07:14	18:47	05:18	14:27
12-03-2010	05:41	114° 29' 16"	10:32	+25° 36' 38"	15:34	248° 19' 26"	07:12	18:49	05:41	15:34
13-03-2010	06:00	107° 24' 16"	11:15	+30° 17' 31"	16:40	255° 53' 05"	07:10	18:50	06:00	16:40
14-03-2010	06:17	99° 49' 26"	11:55	+35° 23' 27"	17:46	263° 53' 05"	07:08	18:52	06:17	17:46
15-03-2010	06:33	91° 56' 55"	12:36	+40° 43' 43"	18:52	272° 06' 35"	07:06	18:53	06:33	18:52
16-03-2010	06:49	83° 57' 51"	13:17	+46° 07' 05"	19:59	280° 20' 59"	07:04	18:55	06:49	19:59
17-03-2010	07:06	76° 04' 04"	14:00	+51° 21' 15"	21:08	288° 21' 41"	07:01	18:56	07:06	21:08
18-03-2010	07:26	68° 30' 05"	14:45	+56° 12' 17"	22:18	295° 49' 31"	06:59	18:58	07:26	22:18
19-03-2010	07:50	61° 35' 16"	15:33	+60° 24' 10"	23:30	302° 18' 04"	06:57	19:00	07:50	23:30
20-03-2010	08:20	55° 46' 24"	16:25	+63° 39' 08"	00:41(+1 jour)	307° 11' 55"	06:55	19:01	08:20	---
21-03-2010	08:59	51° 39' 01"	17:20	+65° 38' 56"	01:47(+1 jour)	309° 50' 35"	06:53	19:03	08:59	00:41
22-03-2010	09:49	49° 53' 00"	18:17	+66° 07' 48"	02:44(+1 jour)	309° 42' 07"	06:51	19:04	09:49	01:47
23-03-2010	10:52	50° 58' 41"	19:16	+64° 56' 24"	03:31(+1 jour)	306° 40' 06"	06:49	19:06	10:52	02:44
24-03-2010	12:05	54° 59' 52"	20:14	+62° 05' 02"	04:09(+1 jour)	301° 06' 07"	06:47	19:07	12:05	03:31
25-03-2010	13:25	61° 31' 51"	21:11	+57° 44' 13"	04:39(+1 jour)	293° 36' 18"	06:45	19:09	13:25	04:09
26-03-2010	14:49	69° 56' 03"	22:05	+52° 12' 35"	05:04(+1 jour)	284° 47' 53"	06:43	19:10	14:49	04:39
27-03-2010	16:13	79° 30' 46"	22:58	+45° 54' 07"	06:26(+1 jour)	275° 14' 23"	06:40	19:12	16:13	05:04
28-03-2010	18:37	89° 25' 35"	---	---	06:26	275° 00' 36"	07:38	20:13	18:37	06:26
29-03-2010	18:37(-1 jour)	89° 39' 50"	00:50	+39° 15' 28"	06:47	265° 26' 05"	07:36	20:15	20:00	06:47
30-03-2010	20:00(-1 jour)	99° 49' 12"	01:41	+32° 44' 07"	07:09	255° 51' 51"	07:34	20:16	21:23	07:09
31-03-2010	21:23(-1 jour)	109° 25' 34"	02:34	+26° 46' 26"	07:32	247° 00' 44"	07:32	20:18	22:45	07:32



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Satellite:
 La Lune

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
01-04-2010	22:45(-1 jour)	117° 54' 37"	03:27	+21° 45' 50"	08:00	239° 23' 19"	07:30	20:19	---	08:00
02-04-2010	00:04	124° 40' 48"	04:22	+18° 00' 45"	08:34	233° 31' 43"	07:28	20:21	00:04	08:34
03-04-2010	01:16	129° 10' 46"	05:18	+15° 42' 42"	09:16	229° 56' 06"	07:26	20:22	01:16	09:16
04-04-2010	02:18	131° 02' 23"	06:12	+14° 55' 03"	10:07	228° 55' 35"	07:24	20:24	02:18	10:07
05-04-2010	03:08	130° 17' 05"	07:06	+15° 33' 25"	11:06	230° 28' 07"	07:22	20:25	03:08	11:06
06-04-2010	03:48	127° 16' 25"	07:56	+17° 27' 46"	12:09	234° 10' 07"	07:20	20:27	03:48	12:09
07-04-2010	04:19	122° 32' 36"	08:44	+20° 25' 30"	13:16	239° 31' 29"	07:18	20:28	04:19	13:16
08-04-2010	04:44	116° 35' 39"	09:29	+24° 13' 46"	14:22	246° 01' 08"	07:16	20:30	04:44	14:22
09-04-2010	05:04	109° 48' 25"	10:11	+28° 40' 51"	15:28	253° 17' 34"	07:13	20:31	05:04	15:28
10-04-2010	05:22	102° 27' 09"	10:53	+33° 36' 11"	16:34	261° 04' 55"	07:11	20:33	05:22	16:34
11-04-2010	05:39	94° 43' 57"	11:33	+38° 49' 49"	17:40	269° 10' 54"	07:09	20:34	05:39	17:40
12-04-2010	05:55	86° 49' 06"	12:14	+44° 11' 31"	18:47	277° 23' 59"	07:07	20:35	05:55	18:47
13-04-2010	06:12	78° 53' 28"	12:57	+49° 29' 47"	19:55	285° 30' 48"	07:05	20:37	06:12	19:55
14-04-2010	06:32	71° 10' 33"	13:42	+54° 30' 59"	21:06	293° 13' 19"	07:03	20:38	06:32	21:06
15-04-2010	06:55	63° 58' 52"	14:29	+58° 58' 51"	22:18	300° 06' 01"	07:01	20:40	06:55	22:18
16-04-2010	07:23	57° 44' 23"	15:21	+62° 34' 42"	23:30	305° 34' 04"	07:00	20:41	07:23	23:30
17-04-2010	08:00	53° 01' 55"	16:15	+64° 59' 06"	00:39(+1 jour)	308° 56' 12"	06:58	20:43	08:00	---
18-04-2010	08:47	50° 31' 44"	17:13	+65° 55' 13"	01:39(+1 jour)	309° 37' 16"	06:56	20:44	08:47	00:39
19-04-2010	09:46	50° 46' 49"	18:11	+65° 13' 05"	02:29(+1 jour)	307° 26' 00"	06:54	20:46	09:46	01:39
20-04-2010	10:56	53° 55' 26"	19:09	+62° 52' 45"	03:09(+1 jour)	302° 40' 38"	06:52	20:47	10:56	02:29
21-04-2010	12:13	59° 36' 18"	20:05	+59° 04' 10"	03:41(+1 jour)	295° 56' 10"	06:50	20:49	12:13	03:09
22-04-2010	13:33	67° 12' 34"	20:58	+54° 04' 21"	04:06(+1 jour)	287° 49' 01"	06:48	20:50	13:33	03:41
23-04-2010	14:54	76° 04' 46"	21:50	+48° 14' 03"	04:29(+1 jour)	278° 50' 27"	06:46	20:52	14:54	04:06
24-04-2010	16:15	85° 40' 20"	22:40	+41° 55' 40"	04:50(+1 jour)	269° 27' 02"	06:44	20:53	16:15	04:29
25-04-2010	17:36	95° 30' 15"	23:30	+35° 32' 21"	05:10(+1 jour)	260° 03' 12"	06:42	20:55	17:36	04:50
26-04-2010	18:57	104° 52' 02"	---	---	05:10	259° 49' 20"	06:41	20:56	18:57	05:10
27-04-2010	18:57(-1 jour)	105° 06' 18"	00:21	+29° 27' 38"	05:33	251° 04' 10"	06:39	20:58	20:18	05:33
28-04-2010	20:18(-1 jour)	113° 57' 54"	01:13	+24° 04' 46"	05:58	242° 58' 05"	06:37	20:59	21:38	05:58
29-04-2010	21:38(-1 jour)	121° 30' 12"	02:07	+19° 45' 14"	06:29	236° 17' 12"	06:35	21:01	22:53	06:29
30-04-2010	22:53(-1 jour)	127° 05' 31"	03:03	+16° 46' 06"	07:08	231° 36' 13"	06:34	21:02	---	07:08

REDSHIFT™ 6

Lever/Coucher

Date/position

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Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
01-05-2010	00:01	130° 10' 40"	03:59	+15° 17' 08"	07:56	229° 24' 29"	06:32	21:04	00:01	07:56
02-05-2010	00:58	130° 33' 09"	04:54	+15° 18' 59"	08:52	229° 52' 54"	06:30	21:05	00:58	08:52
03-05-2010	01:43	128° 24' 50"	05:47	+16° 44' 02"	09:55	232° 46' 07"	06:29	21:06	01:43	09:55
04-05-2010	02:18	124° 17' 05"	06:36	+19° 19' 23"	11:02	237° 33' 26"	06:27	21:08	02:18	11:02
05-05-2010	02:45	118° 44' 16"	07:23	+22° 50' 36"	12:09	243° 41' 03"	06:25	21:09	02:45	12:09
06-05-2010	03:07	112° 14' 09"	08:06	+27° 04' 12"	13:15	250° 40' 55"	06:24	21:11	03:07	13:15
07-05-2010	03:26	105° 06' 16"	08:48	+31° 48' 35"	14:21	258° 15' 04"	06:22	21:12	03:26	14:21
08-05-2010	03:43	97° 33' 57"	09:29	+36° 53' 43"	15:26	266° 10' 35"	06:21	21:14	03:43	15:26
09-05-2010	04:00	89° 47' 12"	10:10	+42° 10' 14"	16:32	274° 17' 04"	06:19	21:15	04:00	16:32
10-05-2010	04:17	81° 55' 15"	10:51	+47° 28' 10"	17:40	282° 23' 33"	06:18	21:16	04:17	17:40
11-05-2010	04:35	74° 09' 08"	11:35	+52° 35' 41"	18:50	290° 15' 19"	06:16	21:18	04:35	18:50
12-05-2010	04:57	66° 44' 26"	12:22	+57° 17' 55"	20:02	297° 30' 17"	06:15	21:19	04:57	20:02
13-05-2010	05:23	60° 04' 15"	13:12	+61° 16' 27"	21:15	303° 35' 55"	06:13	21:21	05:23	21:15
14-05-2010	05:57	54° 41' 50"	14:07	+64° 10' 15"	22:26	307° 49' 25"	06:12	21:22	05:57	22:26
15-05-2010	06:42	51° 19' 33"	15:05	+65° 38' 59"	23:31	309° 27' 51"	06:11	21:23	06:42	23:31
16-05-2010	07:38	50° 38' 13"	16:04	+65° 28' 23"	00:25(+1 jour)	308° 08' 37"	06:09	21:25	07:38	---
17-05-2010	08:46	52° 56' 42"	17:03	+63° 35' 17"	01:09(+1 jour)	304° 03' 07"	06:08	21:26	08:46	00:25
18-05-2010	10:03	57° 59' 25"	18:00	+60° 08' 50"	01:43(+1 jour)	297° 47' 17"	06:07	21:27	10:03	01:09
19-05-2010	11:23	65° 07' 09"	18:55	+55° 27' 13"	02:10(+1 jour)	290° 02' 03"	06:06	21:28	11:23	01:43
20-05-2010	12:43	73° 37' 38"	19:46	+49° 52' 31"	02:34(+1 jour)	281° 22' 21"	06:04	21:30	12:43	02:10
21-05-2010	14:03	82° 53' 39"	20:36	+43° 47' 18"	02:54(+1 jour)	272° 15' 36"	06:03	21:31	14:03	02:34
22-05-2010	15:22	92° 27' 15"	21:25	+37° 33' 07"	03:15(+1 jour)	263° 04' 27"	06:02	21:32	15:22	02:54
23-05-2010	16:40	101° 53' 43"	22:14	+31° 30' 39"	03:36(+1 jour)	254° 10' 11"	06:01	21:33	16:40	03:15
24-05-2010	17:59	110° 48' 00"	23:05	+26° 00' 13"	03:59(+1 jour)	245° 55' 55"	06:00	21:35	17:59	03:36
25-05-2010	19:18	118° 41' 07"	23:57	+21° 21' 38"	04:28(+1 jour)	238° 49' 05"	05:59	21:36	19:18	03:59
26-05-2010	20:34	124° 44' 39"	---	---	04:28	238° 35' 07"	05:58	21:37	20:34	04:28
27-05-2010	20:34(-1 jour)	124° 58' 48"	00:51	+17° 52' 56"	05:02	233° 22' 13"	05:57	21:38	21:44	05:02
28-05-2010	21:44(-1 jour)	129° 05' 15"	01:47	+15° 47' 47"	05:46	230° 08' 39"	05:56	21:39	22:46	05:46
29-05-2010	22:46(-1 jour)	130° 34' 25"	02:42	+15° 12' 29"	06:39	229° 31' 00"	05:56	21:40	23:36	06:39
30-05-2010	23:36(-1 jour)	129° 25' 42"	03:36	+16° 04' 29"	07:40	231° 28' 07"	05:55	21:41	---	07:40



Lever/Coucher

Date/position

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

Objet

Satellite:
 La Lune

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
31-05-2010	00:15	126° 01' 46"	04:27	+18° 13' 37"	08:46	235° 34' 12"	05:54	21:42	00:15	08:46
01-06-2010	00:45	120° 57' 27"	05:16	+21° 25' 34"	09:54	241° 15' 19"	05:53	21:43	00:45	09:54
02-06-2010	01:10	114° 45' 09"	06:01	+25° 25' 25"	11:01	247° 59' 36"	05:53	21:44	01:10	11:01
03-06-2010	01:30	107° 49' 04"	06:43	+29° 59' 41"	12:07	255° 22' 34"	05:52	21:45	01:30	12:07
04-06-2010	01:48	100° 25' 46"	07:24	+34° 57' 05"	13:12	263° 09' 07"	05:51	21:46	01:48	13:12
05-06-2010	02:04	92° 46' 37"	08:05	+40° 07' 51"	14:17	271° 08' 09"	05:51	21:47	02:04	14:17
06-06-2010	02:21	85° 00' 32"	08:45	+45° 22' 50"	15:23	279° 10' 06"	05:50	21:48	02:21	15:23
07-06-2010	02:38	77° 16' 30"	09:28	+50° 32' 02"	16:31	287° 03' 37"	05:50	21:48	02:38	16:31
08-06-2010	02:58	69° 46' 23"	10:13	+55° 23' 13"	17:42	294° 32' 02"	05:50	21:49	02:58	17:42
09-06-2010	03:22	62° 48' 07"	11:01	+59° 40' 32"	18:54	301° 09' 04"	05:49	21:50	03:22	18:54
10-06-2010	03:53	56° 49' 26"	11:54	+63° 04' 10"	20:07	306° 15' 55"	05:49	21:51	03:53	20:07
11-06-2010	04:33	52° 30' 03"	12:51	+65° 11' 51"	21:16	309° 05' 08"	05:49	21:51	04:33	21:16
12-06-2010	05:25	50° 36' 42"	13:51	+65° 43' 37"	22:16	308° 58' 18"	05:48	21:52	05:25	22:16
13-06-2010	06:30	51° 44' 43"	14:52	+64° 28' 40"	23:05	305° 49' 12"	05:48	21:52	06:30	23:05
14-06-2010	07:46	55° 55' 27"	15:52	+61° 30' 19"	23:43	300° 06' 55"	05:48	21:53	07:46	23:43
15-06-2010	09:07	62° 35' 21"	16:49	+57° 05' 12"	00:14(+1 jour)	292° 36' 27"	05:48	21:53	09:07	---
16-06-2010	10:30	70° 54' 40"	17:42	+51° 37' 42"	00:38(+1 jour)	284° 00' 21"	05:48	21:54	10:30	00:14
17-06-2010	11:51	80° 09' 35"	18:34	+45° 33' 49"	01:00(+1 jour)	274° 52' 19"	05:48	21:54	11:51	00:38
18-06-2010	13:11	89° 45' 37"	19:23	+39° 17' 49"	01:20(+1 jour)	265° 38' 20"	05:48	21:55	13:11	01:00
19-06-2010	14:30	99° 15' 52"	20:12	+33° 11' 13"	01:41(+1 jour)	256° 39' 54"	05:48	21:55	14:30	01:20
20-06-2010	15:48	108° 16' 44"	21:01	+27° 33' 18"	02:04(+1 jour)	248° 17' 40"	05:48	21:55	15:48	01:41
21-06-2010	17:05	116° 23' 37"	21:52	+22° 41' 55"	02:30(+1 jour)	240° 54' 36"	05:48	21:55	17:05	02:04
22-06-2010	18:21	123° 07' 46"	22:44	+18° 53' 24"	03:01(+1 jour)	234° 58' 17"	05:49	21:56	18:21	02:30
23-06-2010	19:32	127° 56' 43"	23:39	+16° 21' 28"	03:41(+1 jour)	230° 59' 42"	05:49	21:56	19:32	03:01
24-06-2010	20:36	130° 06' 53"	---	---	03:41	230° 45' 38"	05:49	21:56	20:36	03:41
25-06-2010	20:36(-1 jour)	130° 21' 00"	00:33	+15° 14' 46"	04:30	229° 25' 45"	05:50	21:56	21:30	04:30
26-06-2010	21:30(-1 jour)	130° 09' 36"	01:28	+15° 34' 52"	05:28	230° 26' 12"	05:50	21:56	22:12	05:28
27-06-2010	22:12(-1 jour)	127° 34' 09"	02:20	+17° 15' 35"	06:32	233° 45' 52"	05:50	21:56	22:46	06:32
28-06-2010	22:46(-1 jour)	123° 04' 37"	03:09	+20° 05' 02"	07:39	238° 54' 47"	05:51	21:56	23:13	07:39
29-06-2010	23:13(-1 jour)	117° 14' 30"	03:55	+23° 48' 39"	08:47	245° 19' 16"	05:51	21:56	23:34	08:47



Lever/Coucher

Date/position

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

Objet

Satellite:
La Lune

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
30-06-2010	23:34(-1 jour)	110° 31' 41"	04:39	+28° 11' 58"	09:54	252° 30' 38"	05:52	21:55	23:53	09:54
01-07-2010	23:53(-1 jour)	103° 16' 24"	05:21	+33° 02' 10"	10:59	260° 10' 00"	05:53	21:55	---	10:59
02-07-2010	00:10	95° 42' 45"	06:01	+38° 08' 10"	12:04	268° 03' 46"	05:53	21:55	00:10	12:04
03-07-2010	00:26	88° 01' 01"	06:41	+43° 20' 25"	13:09	276° 01' 38"	05:54	21:55	00:26	13:09
04-07-2010	00:43	80° 19' 58"	07:22	+48° 29' 24"	14:15	283° 53' 38"	05:55	21:54	00:43	14:15
05-07-2010	01:01	72° 49' 19"	08:05	+53° 24' 45"	15:23	291° 27' 01"	05:55	21:54	01:01	15:23
06-07-2010	01:23	65° 42' 31"	08:51	+57° 53' 44"	16:34	298° 22' 27"	05:56	21:53	01:23	16:34
07-07-2010	01:49	59° 20' 20"	09:41	+61° 39' 56"	17:45	304° 09' 42"	05:57	21:53	01:49	17:45
08-07-2010	02:24	54° 14' 30"	10:35	+64° 23' 17"	18:56	308° 06' 20"	05:58	21:52	02:24	18:56
09-07-2010	03:10	51° 08' 22"	11:33	+65° 42' 08"	20:00	309° 26' 14"	05:59	21:52	03:10	20:00
10-07-2010	04:08	50° 47' 07"	12:34	+65° 18' 44"	20:55	307° 41' 42"	06:00	21:51	04:08	20:55
11-07-2010	05:20	53° 35' 01"	13:36	+63° 06' 16"	21:38	303° 01' 36"	06:00	21:50	05:20	21:38
12-07-2010	06:42	59° 18' 27"	14:35	+59° 13' 03"	22:13	296° 04' 18"	06:01	21:50	06:42	22:13
13-07-2010	08:07	67° 12' 27"	15:32	+54° 00' 30"	22:41	287° 36' 44"	06:02	21:49	08:07	22:41
14-07-2010	09:32	76° 26' 31"	16:26	+47° 56' 50"	23:04	278° 20' 49"	06:03	21:48	09:32	23:04
15-07-2010	10:55	86° 16' 29"	17:18	+41° 31' 03"	23:26	268° 50' 04"	06:04	21:47	10:55	23:26
16-07-2010	12:16	96° 07' 33"	18:08	+35° 09' 20"	23:47	259° 31' 13"	06:06	21:46	12:16	23:47
17-07-2010	13:36	105° 31' 41"	18:58	+29° 14' 01"	00:09(+1 jour)	250° 47' 10"	06:07	21:45	13:36	---
18-07-2010	14:54	114° 03' 28"	19:49	+24° 03' 57"	00:34(+1 jour)	243° 00' 20"	06:08	21:44	14:54	00:09
19-07-2010	16:11	121° 16' 29"	20:41	+19° 54' 58"	01:04(+1 jour)	236° 35' 19"	06:09	21:43	16:11	00:34
20-07-2010	17:24	126° 41' 48"	21:34	+16° 59' 47"	01:40(+1 jour)	231° 59' 43"	06:10	21:42	17:24	01:04
21-07-2010	18:29	129° 51' 12"	22:29	+15° 26' 56"	02:26(+1 jour)	229° 39' 42"	06:11	21:41	18:29	01:40
22-07-2010	19:26	130° 29' 49"	23:22	+15° 19' 09"	03:20(+1 jour)	229° 49' 46"	06:12	21:40	19:26	02:26
23-07-2010	20:12	128° 27' 30"	---	---	03:20	229° 35' 36"	06:14	21:39	20:12	03:20
24-07-2010	20:12(-1 jour)	128° 41' 34"	00:15	+16° 32' 41"	04:22	232° 23' 24"	06:15	21:38	20:48	04:22
25-07-2010	20:48(-1 jour)	124° 50' 24"	01:05	+18° 58' 09"	05:28	236° 54' 46"	06:16	21:37	21:16	05:28
26-07-2010	21:16(-1 jour)	119° 27' 51"	01:52	+22° 22' 40"	06:35	242° 53' 39"	06:17	21:35	21:39	06:35
27-07-2010	21:39(-1 jour)	113° 02' 57"	02:36	+26° 32' 16"	07:42	249° 49' 07"	06:18	21:34	21:59	07:42
28-07-2010	21:59(-1 jour)	105° 58' 19"	03:18	+31° 13' 38"	08:48	257° 19' 34"	06:20	21:33	22:16	08:48
29-07-2010	22:16(-1 jour)	98° 30' 29"	03:59	+36° 14' 43"	09:53	265° 08' 44"	06:21	21:31	22:33	09:53



Lever/Coucher

Date/position

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

Objet

Satellite:
La Lune

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
30-07-2010	22:33(-1 jour)	90° 51' 43"	04:39	+41° 24' 46"	10:58	273° 04' 23"	06:22	21:30	22:49	10:58
31-07-2010	22:49(-1 jour)	83° 11' 59"	05:19	+46° 33' 57"	12:03	280° 55' 52"	06:24	21:29	23:07	12:03
01-08-2010	23:07(-1 jour)	75° 40' 55"	06:01	+51° 32' 06"	13:09	288° 31' 39"	06:25	21:27	23:26	13:09
02-08-2010	23:26(-1 jour)	68° 30' 00"	06:45	+56° 08' 02"	14:17	295° 36' 19"	06:26	21:26	23:50	14:17
03-08-2010	23:50(-1 jour)	61° 55' 24"	07:32	+60° 08' 17"	15:27	301° 46' 59"	06:28	21:24	---	15:27
04-08-2010	00:20	56° 21' 11"	08:23	+63° 16' 24"	16:36	306° 30' 19"	06:29	21:23	00:20	16:36
05-08-2010	01:00	52° 21' 56"	09:18	+65° 13' 27"	17:42	309° 04' 31"	06:30	21:21	01:00	17:42
06-08-2010	01:51	50° 39' 56"	10:16	+65° 40' 39"	18:40	308° 52' 24"	06:32	21:19	01:51	18:40
07-08-2010	02:55	51° 51' 13"	11:17	+64° 24' 40"	19:29	305° 41' 30"	06:33	21:18	02:55	19:29
08-08-2010	04:11	56° 04' 59"	12:17	+61° 23' 16"	20:08	299° 51' 37"	06:34	21:16	04:11	20:08
09-08-2010	05:35	62° 57' 13"	13:16	+56° 48' 00"	20:39	292° 02' 25"	06:36	21:15	05:35	20:39
10-08-2010	07:01	71° 41' 46"	14:12	+51° 01' 57"	21:05	282° 57' 26"	06:37	21:13	07:01	21:05
11-08-2010	08:27	81° 31' 10"	15:06	+44° 34' 36"	21:28	273° 16' 02"	06:39	21:11	08:27	21:28
12-08-2010	09:52	91° 42' 43"	15:59	+37° 56' 33"	21:50	263° 31' 56"	06:40	21:09	09:52	21:50
13-08-2010	11:16	101° 40' 10"	16:51	+31° 35' 56"	22:13	254° 14' 15"	06:41	21:08	11:16	22:13
14-08-2010	12:37	110° 51' 51"	17:43	+25° 56' 41"	22:38	245° 49' 32"	06:43	21:06	12:37	22:38
15-08-2010	13:57	118° 47' 59"	18:36	+21° 17' 56"	23:06	238° 44' 06"	06:44	21:04	13:57	23:06
16-08-2010	15:13	124° 58' 49"	19:30	+17° 53' 51"	23:41	233° 25' 17"	06:46	21:02	15:13	23:41
17-08-2010	16:22	128° 56' 37"	20:24	+15° 53' 11"	00:24(+1 jour)	230° 18' 56"	06:47	21:01	16:22	---
18-08-2010	17:21	130° 23' 06"	21:19	+15° 18' 38"	01:16(+1 jour)	229° 41' 21"	06:48	20:59	17:21	00:24
19-08-2010	18:10	129° 20' 14"	22:11	+16° 06' 44"	02:15(+1 jour)	231° 30' 12"	06:50	20:57	18:10	01:16
20-08-2010	18:49	126° 07' 44"	23:02	+18° 08' 54"	03:19(+1 jour)	235° 23' 38"	06:51	20:55	18:49	02:15
21-08-2010	19:20	121° 15' 35"	23:49	+21° 13' 14"	04:26(+1 jour)	240° 53' 09"	06:53	20:53	19:20	03:19
22-08-2010	19:45	114° 58' 55"	---	---	04:26	240° 38' 50"	06:54	20:51	19:45	04:26
23-08-2010	19:45(-1 jour)	115° 13' 00"	00:34	+25° 06' 42"	05:33	247° 27' 47"	06:56	20:49	20:05	05:33
24-08-2010	20:05(-1 jour)	108° 23' 29"	01:17	+29° 36' 24"	06:39	254° 44' 50"	06:57	20:47	20:23	06:39
25-08-2010	20:23(-1 jour)	101° 04' 48"	01:58	+34° 30' 18"	07:44	262° 26' 38"	06:58	20:45	20:40	07:44
26-08-2010	20:40(-1 jour)	93° 30' 29"	02:39	+39° 37' 14"	08:49	270° 19' 29"	07:00	20:43	20:57	08:49
27-08-2010	20:57(-1 jour)	85° 51' 41"	03:19	+44° 46' 37"	09:53	278° 11' 35"	07:01	20:41	21:14	09:53
28-08-2010	21:14(-1 jour)	78° 18' 50"	04:00	+49° 47' 55"	10:59	285° 50' 54"	07:03	20:39	21:33	10:59



Lever/Coucher

Date/position

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

Objet

Satellite:
 La Lune

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
29-08-2010	21:33(-1 jour)	71° 03' 24"	04:43	+54° 29' 57"	12:06	293° 03' 01"	07:04	20:37	21:55	12:06
30-08-2010	21:55(-1 jour)	64° 19' 55"	05:28	+58° 40' 15"	13:14	299° 28' 23"	07:05	20:35	22:22	13:14
31-08-2010	22:22(-1 jour)	58° 28' 29"	06:16	+62° 04' 31"	14:22	304° 39' 53"	07:07	20:33	22:57	14:22
01-09-2010	22:57(-1 jour)	53° 56' 56"	07:09	+64° 26' 45"	15:28	308° 02' 50"	07:08	20:31	23:42	15:28
02-09-2010	23:42(-1 jour)	51° 20' 29"	08:04	+65° 30' 37"	16:28	309° 01' 57"	07:10	20:29	---	16:28
03-09-2010	00:38	51° 14' 11"	09:01	+65° 02' 27"	17:19	307° 16' 00"	07:11	20:27	00:38	17:19
04-09-2010	01:47	53° 57' 48"	10:00	+62° 55' 20"	18:01	302° 49' 11"	07:12	20:25	01:47	18:01
05-09-2010	03:05	59° 24' 16"	10:58	+59° 12' 19"	18:35	296° 07' 44"	07:14	20:23	03:05	18:35
06-09-2010	04:28	67° 04' 15"	11:55	+54° 07' 06"	19:04	287° 47' 38"	07:15	20:21	04:28	19:04
07-09-2010	05:54	76° 16' 10"	12:50	+48° 02' 13"	19:28	278° 25' 44"	07:17	20:19	05:54	19:28
08-09-2010	07:20	86° 19' 17"	13:43	+41° 25' 46"	19:51	268° 36' 54"	07:18	20:17	07:20	19:51
09-09-2010	08:45	96° 34' 18"	14:37	+34° 47' 59"	20:14	258° 54' 02"	07:20	20:15	08:45	20:14
10-09-2010	10:10	106° 23' 55"	15:30	+28° 38' 01"	20:39	249° 48' 50"	07:21	20:12	10:10	20:39
11-09-2010	11:33	115° 11' 49"	16:25	+23° 21' 23"	21:07	241° 52' 45"	07:22	20:10	11:33	21:07
12-09-2010	12:54	122° 22' 13"	17:20	+19° 18' 01"	21:40	235° 37' 33"	07:24	20:08	12:54	21:40
13-09-2010	14:08	127° 21' 55"	18:17	+16° 40' 34"	22:21	231° 33' 05"	07:25	20:06	14:08	22:21
14-09-2010	15:13	129° 46' 59"	19:12	+15° 33' 42"	23:11	230° 00' 09"	07:27	20:04	15:13	23:11
15-09-2010	16:06	129° 34' 52"	20:06	+15° 54' 15"	00:09(+1 jour)	231° 00' 45"	07:28	20:02	16:06	---
16-09-2010	16:49	127° 02' 59"	20:58	+17° 33' 02"	01:12(+1 jour)	234° 15' 48"	07:29	20:00	16:49	00:09
17-09-2010	17:22	122° 42' 05"	21:47	+20° 17' 32"	02:18(+1 jour)	239° 14' 29"	07:31	19:58	17:22	01:12
18-09-2010	17:49	117° 03' 13"	22:32	+23° 54' 22"	03:24(+1 jour)	245° 26' 13"	07:32	19:55	17:49	02:18
19-09-2010	18:11	110° 31' 29"	23:16	+28° 10' 44"	04:30(+1 jour)	252° 26' 29"	07:34	19:53	18:11	03:24
20-09-2010	18:30	103° 25' 27"	23:57	+32° 54' 58"	05:35(+1 jour)	259° 57' 02"	07:35	19:51	18:30	04:30
21-09-2010	18:47	95° 44' 54"	---	---	05:35	259° 42' 37"	07:37	19:49	18:47	05:35
22-09-2010	18:47(-1 jour)	95° 58' 58"	00:38	+37° 56' 16"	06:40	267° 43' 53"	07:38	19:47	19:04	06:40
23-09-2010	19:04(-1 jour)	88° 23' 23"	01:18	+43° 04' 12"	07:45	275° 34' 59"	07:39	19:45	19:21	07:45
24-09-2010	19:21(-1 jour)	80° 49' 22"	01:59	+48° 08' 07"	08:50	283° 18' 06"	07:41	19:43	19:40	08:50
25-09-2010	19:40(-1 jour)	73° 28' 32"	02:42	+52° 56' 36"	09:57	290° 38' 47"	07:42	19:41	20:01	09:57
26-09-2010	20:01(-1 jour)	66° 35' 14"	03:26	+57° 16' 55"	11:05	297° 18' 18"	07:44	19:38	20:27	11:05
27-09-2010	20:27(-1 jour)	60° 28' 26"	04:14	+60° 55' 01"	12:13	302° 51' 40"	07:45	19:36	20:59	12:13



Lever/Coucher

Date/position

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

Objet

Satellite:
 La Lune

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
28-09-2010	20:59(-1 jour)	55° 33' 19"	05:04	+63° 35' 44"	13:19	306° 47' 41"	07:47	19:34	21:40	13:19
29-09-2010	21:40(-1 jour)	52° 21' 08"	05:58	+65° 04' 15"	14:19	308° 33' 56"	07:48	19:32	22:31	14:19
30-09-2010	22:31(-1 jour)	51° 23' 46"	06:53	+65° 08' 17"	15:12	307° 48' 08"	07:50	19:30	23:34	15:12
01-10-2010	23:34(-1 jour)	53° 02' 21"	07:50	+63° 40' 59"	15:57	304° 28' 39"	07:51	19:28	---	15:57
02-10-2010	00:46	57° 16' 36"	08:46	+60° 43' 01"	16:33	298° 54' 05"	07:52	19:26	00:46	16:33
03-10-2010	02:04	63° 45' 38"	09:41	+56° 23' 04"	17:02	291° 33' 24"	07:54	19:24	02:04	17:02
04-10-2010	03:26	71° 58' 30"	10:35	+50° 56' 45"	17:28	282° 57' 22"	07:55	19:22	03:26	17:28
05-10-2010	04:49	81° 20' 00"	11:28	+44° 45' 17"	17:51	273° 35' 44"	07:57	19:20	04:49	17:51
06-10-2010	06:13	91° 17' 06"	12:21	+38° 13' 55"	18:14	263° 57' 48"	07:58	19:17	06:13	18:14
07-10-2010	07:37	101° 15' 28"	13:14	+31° 50' 28"	18:37	254° 34' 05"	08:00	19:15	07:37	18:37
08-10-2010	09:02	110° 38' 26"	14:09	+26° 03' 13"	19:04	245° 57' 31"	08:01	19:13	09:02	19:04
09-10-2010	10:25	118° 46' 11"	15:05	+21° 18' 05"	19:36	238° 43' 56"	08:03	19:11	10:25	19:36
10-10-2010	11:45	124° 57' 42"	16:02	+17° 55' 13"	20:15	233° 30' 04"	08:04	19:09	11:45	20:15
11-10-2010	12:56	128° 38' 12"	17:00	+16° 05' 49"	21:02	230° 46' 33"	08:06	19:07	12:56	21:02
12-10-2010	13:56	129° 31' 29"	17:57	+15° 50' 45"	21:58	230° 45' 46"	08:07	19:05	13:56	21:58
13-10-2010	14:44	127° 49' 52"	18:51	+17° 01' 47"	23:01	233° 13' 46"	08:09	19:03	14:44	23:01
14-10-2010	15:22	124° 03' 50"	19:41	+19° 25' 13"	00:07(+1 jour)	237° 40' 06"	08:10	19:01	15:22	---
15-10-2010	15:51	118° 48' 50"	20:29	+22° 45' 48"	01:14(+1 jour)	243° 30' 00"	08:12	18:59	15:51	00:07
16-10-2010	16:15	112° 34' 13"	21:13	+26° 49' 17"	02:20(+1 jour)	250° 13' 53"	08:13	18:57	16:15	01:14
17-10-2010	16:35	105° 41' 05"	21:55	+31° 23' 22"	03:26(+1 jour)	257° 32' 09"	08:15	18:55	16:35	02:20
18-10-2010	16:53	98° 24' 10"	22:36	+36° 17' 22"	04:30(+1 jour)	265° 10' 27"	08:16	18:53	16:53	03:26
19-10-2010	17:10	90° 54' 35"	23:16	+41° 21' 31"	05:35(+1 jour)	272° 57' 21"	08:18	18:52	17:10	04:30
20-10-2010	17:27	83° 22' 10"	23:57	+46° 25' 56"	06:40(+1 jour)	280° 41' 43"	08:20	18:50	17:27	05:35
21-10-2010	17:46	75° 43' 32"	---	---	06:40	280° 27' 19"	08:21	18:48	17:46	06:40
22-10-2010	17:46(-1 jour)	75° 57' 35"	00:39	+51° 19' 47"	07:47	288° 10' 12"	08:23	18:46	18:07	07:47
23-10-2010	18:07(-1 jour)	68° 54' 18"	01:24	+55° 50' 31"	08:55	295° 05' 02"	08:24	18:44	18:31	08:55
24-10-2010	18:31(-1 jour)	62° 30' 28"	02:11	+59° 43' 43"	10:03	301° 01' 58"	08:26	18:42	19:02	10:03
25-10-2010	19:02(-1 jour)	57° 10' 35"	03:01	+62° 43' 32"	11:10	305° 30' 00"	08:27	18:40	19:40	11:10
26-10-2010	19:40(-1 jour)	53° 25' 31"	03:54	+64° 34' 12"	12:13	307° 55' 42"	08:29	18:39	20:29	12:13
27-10-2010	20:29(-1 jour)	51° 47' 48"	04:49	+65° 02' 54"	13:08	307° 54' 14"	08:31	18:37	21:28	13:08



Lever/Coucher

Date/position

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

Objet

Satellite:
La Lune

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
28-10-2010	21:28(-1 jour)	52° 40' 35"	05:45	+64° 02' 37"	13:55	305° 20' 52"	08:32	18:35	22:36	13:55
29-10-2010	22:36(-1 jour)	56° 06' 23"	06:41	+61° 34' 13"	14:33	300° 32' 16"	08:34	18:33	23:51	14:33
30-10-2010	23:51(-1 jour)	61° 46' 20"	07:35	+57° 45' 59"	15:03	293° 56' 34"	08:35	18:32	---	15:03
31-10-2010	01:09	69° 10' 24"	07:27	+52° 51' 57"	14:29	286° 03' 10"	07:37	17:30	01:09	14:29
01-11-2010	01:28	77° 48' 07"	08:18	+47° 09' 45"	14:53	277° 18' 37"	07:39	17:28	01:28	14:53
02-11-2010	02:49	87° 09' 30"	09:09	+40° 59' 37"	15:15	268° 07' 17"	07:40	17:27	02:49	15:15
03-11-2010	04:10	96° 47' 28"	10:00	+34° 44' 02"	15:37	258° 53' 49"	07:42	17:25	04:10	15:37
04-11-2010	05:32	106° 12' 20"	10:53	+28° 47' 28"	16:02	250° 05' 46"	07:43	17:24	05:32	16:02
05-11-2010	06:55	114° 49' 23"	11:48	+23° 35' 30"	16:31	242° 15' 44"	07:45	17:22	06:55	16:31
06-11-2010	08:16	121° 57' 53"	12:45	+19° 32' 11"	17:06	236° 01' 34"	07:47	17:20	08:16	17:06
07-11-2010	09:32	126° 55' 09"	13:43	+16° 56' 12"	17:50	232° 02' 01"	07:48	17:19	09:32	17:50
08-11-2010	10:39	129° 08' 40"	14:41	+15° 56' 35"	18:43	230° 44' 38"	07:50	17:18	10:39	18:43
09-11-2010	11:34	128° 34' 18"	15:38	+16° 30' 54"	19:45	232° 10' 28"	07:51	17:16	11:34	19:45
10-11-2010	12:17	125° 34' 48"	16:31	+18° 27' 21"	20:51	235° 54' 51"	07:53	17:15	12:17	20:51
11-11-2010	12:50	120° 48' 11"	17:21	+21° 29' 26"	22:00	241° 19' 03"	07:54	17:13	12:50	22:00
12-11-2010	13:16	114° 50' 14"	18:07	+25° 20' 23"	23:07	247° 48' 45"	07:56	17:12	13:16	23:07
13-11-2010	13:38	108° 07' 34"	18:51	+29° 45' 36"	00:13(+1 jour)	254° 57' 19"	07:58	17:11	13:38	---
14-11-2010	13:57	100° 58' 11"	19:32	+34° 33' 07"	01:18(+1 jour)	262° 28' 28"	07:59	17:09	13:57	00:13
15-11-2010	14:15	93° 34' 16"	20:13	+39° 32' 58"	02:22(+1 jour)	270° 10' 22"	08:01	17:08	14:15	01:18
16-11-2010	14:32	86° 05' 10"	20:53	+44° 36' 02"	03:27(+1 jour)	277° 53' 08"	08:02	17:07	14:32	02:22
17-11-2010	14:50	78° 39' 56"	21:35	+49° 32' 46"	04:33(+1 jour)	285° 25' 49"	08:04	17:06	14:50	03:27
18-11-2010	15:10	71° 29' 41"	22:18	+54° 12' 07"	05:40(+1 jour)	292° 33' 35"	08:05	17:05	15:10	04:33
19-11-2010	15:33	64° 49' 56"	23:05	+58° 20' 38"	06:49(+1 jour)	298° 54' 53"	08:07	17:04	15:33	05:40
20-11-2010	16:02	59° 03' 04"	23:54	+61° 42' 17"	07:58(+1 jour)	303° 59' 47"	08:08	17:03	16:02	06:49
21-11-2010	16:38	54° 25' 25"	---	---	07:58	303° 45' 36"	08:10	17:02	16:38	07:58
22-11-2010	16:38(-1 jour)	54° 39' 28"	00:47	+63° 59' 43"	09:03	307° 12' 15"	08:11	17:01	17:24	09:03
23-11-2010	17:24(-1 jour)	52° 14' 38"	01:43	+64° 57' 03"	10:03	308° 00' 14"	08:13	17:00	18:21	10:03
24-11-2010	18:21(-1 jour)	52° 18' 48"	02:40	+64° 24' 03"	10:53	306° 10' 48"	08:14	16:59	19:28	10:53
25-11-2010	19:28(-1 jour)	55° 02' 02"	03:36	+62° 19' 28"	11:33	301° 56' 38"	08:16	16:58	20:42	11:33
26-11-2010	20:42(-1 jour)	60° 08' 29"	04:31	+58° 51' 28"	12:06	295° 47' 27"	08:17	16:57	21:59	12:06



Lever/Coucher

Date/position

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

Objet

Satellite:
 La Lune

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
27-11-2010	21:59(-1 jour)	67° 05' 52"	05:24	+54° 15' 18"	12:34	288° 16' 29"	08:19	16:57	23:17	12:34
28-11-2010	23:17(-1 jour)	75° 19' 54"	06:15	+48° 49' 41"	12:57	279° 52' 59"	08:20	16:56	---	12:57
29-11-2010	00:36	84° 18' 48"	07:05	+42° 54' 29"	13:19	271° 01' 24"	08:21	16:55	00:36	13:19
30-11-2010	01:54	93° 37' 06"	07:54	+36° 49' 51"	13:41	262° 03' 27"	08:23	16:55	01:54	13:41
01-12-2010	03:13	102° 50' 08"	08:44	+30° 56' 24"	14:04	253° 21' 20"	08:24	16:54	03:13	14:04
02-12-2010	04:33	111° 30' 44"	09:37	+25° 35' 34"	14:30	245° 20' 44"	08:25	16:54	04:33	14:30
03-12-2010	05:53	119° 05' 59"	10:31	+21° 09' 10"	15:01	238° 33' 14"	08:26	16:53	05:53	15:01
04-12-2010	07:10	124° 56' 38"	11:28	+17° 57' 22"	15:40	233° 36' 00"	08:28	16:53	07:10	15:40
05-12-2010	08:20	128° 23' 59"	12:26	+16° 14' 51"	16:29	231° 04' 28"	08:29	16:52	08:20	16:29
06-12-2010	09:21	129° 04' 55"	13:23	+16° 06' 57"	17:27	231° 17' 22"	08:30	16:52	09:21	17:27
07-12-2010	10:09	127° 07' 06"	14:19	+17° 28' 15"	18:32	234° 03' 50"	08:31	16:52	10:09	18:32
08-12-2010	10:47	123° 01' 17"	15:11	+20° 04' 57"	19:41	238° 51' 50"	08:32	16:52	10:47	19:41
09-12-2010	11:17	117° 26' 13"	15:59	+23° 39' 39"	20:50	245° 01' 43"	08:33	16:51	11:17	20:50
10-12-2010	11:41	110° 54' 51"	16:44	+27° 55' 21"	21:58	252° 01' 56"	08:34	16:51	11:41	21:58
11-12-2010	12:01	103° 50' 42"	17:27	+32° 37' 33"	23:04	259° 28' 57"	08:35	16:51	12:01	23:04
12-12-2010	12:19	96° 29' 26"	18:08	+37° 34' 34"	00:08(+1 jour)	267° 08' 37"	08:36	16:51	12:19	---
13-12-2010	12:36	89° 01' 54"	18:48	+42° 36' 39"	01:12(+1 jour)	274° 50' 23"	08:37	16:51	12:36	00:08
14-12-2010	12:54	81° 36' 44"	19:29	+47° 34' 56"	02:17(+1 jour)	282° 24' 45"	08:38	16:51	12:54	01:13
15-12-2010	13:12	74° 22' 58"	20:11	+52° 19' 57"	03:23(+1 jour)	289° 40' 17"	08:39	16:52	13:12	02:17
16-12-2010	13:34	67° 32' 31"	20:56	+56° 40' 30"	04:31(+1 jour)	296° 20' 23"	08:40	16:52	13:34	03:23
17-12-2010	14:00	61° 23' 04"	21:44	+60° 22' 37"	05:40(+1 jour)	302° 00' 11"	08:40	16:52	14:00	04:31
18-12-2010	14:33	56° 20' 37"	22:35	+63° 09' 32"	06:47(+1 jour)	306° 05' 34"	08:41	16:52	14:33	05:40
19-12-2010	15:14	52° 59' 57"	23:30	+64° 43' 18"	07:50(+1 jour)	307° 58' 42"	08:42	16:53	15:14	06:47
20-12-2010	16:07	51° 44' 07"	---	---	07:50	307° 44' 38"	08:42	16:53	16:07	07:50
21-12-2010	16:07(-1 jour)	51° 58' 12"	00:28	+64° 48' 40"	08:45	307° 12' 55"	08:43	16:54	17:12	08:45
22-12-2010	17:12(-1 jour)	53° 39' 40"	01:26	+63° 18' 04"	09:31	303° 47' 36"	08:43	16:54	18:25	09:31
23-12-2010	18:25(-1 jour)	58° 01' 10"	02:23	+60° 15' 01"	10:07	298° 07' 45"	08:44	16:55	19:44	10:07
24-12-2010	19:44(-1 jour)	64° 33' 43"	03:18	+55° 53' 36"	10:37	290° 50' 01"	08:44	16:55	21:05	10:37
25-12-2010	21:05(-1 jour)	72° 38' 11"	04:11	+50° 34' 30"	11:02	282° 30' 06"	08:45	16:56	22:24	11:02
26-12-2010	22:24(-1 jour)	81° 35' 36"	05:02	+44° 40' 46"	11:25	273° 37' 58"	08:45	16:57	23:44	11:25

REDSHIFT™ 6

Lever/Coucher

Date/position

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

Objet

Satellite:
 La Lune

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
27-12-2010	23:44(-1 jour)	90° 55' 12"	05:52	+38° 34' 55"	11:46	264° 38' 24"	08:45	16:57	---	11:46
28-12-2010	01:02	100° 10' 31"	06:42	+32° 38' 08"	12:09	255° 53' 26"	08:45	16:58	01:02	12:09
29-12-2010	02:21	108° 56' 37"	07:32	+27° 10' 19"	12:33	247° 45' 29"	08:46	16:59	02:21	12:33
30-12-2010	03:39	116° 46' 10"	08:25	+22° 30' 32"	13:02	240° 40' 19"	08:46	17:00	03:39	13:02
31-12-2010	04:55	123° 07' 03"	09:19	+18° 56' 34"	13:37	235° 08' 44"	08:46	17:01	04:55	13:37