



Lever/Coucher

Date/position

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

Objet

Planète:
Vénus

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
01-01-2010	08:39	126° 43' 48"	12:43	+17° 30' 33"	16:47	233° 17' 43"	08:46	17:02	18:07	09:16
02-01-2010	08:40	126° 38' 56"	12:45	+17° 33' 29"	16:49	233° 23' 02"	08:46	17:03	19:35	09:51
03-01-2010	08:41	126° 32' 48"	12:46	+17° 37' 08"	16:51	233° 29' 36"	08:46	17:04	21:01	10:19
04-01-2010	08:42	126° 25' 24"	12:48	+17° 41' 32"	16:53	233° 37' 26"	08:45	17:05	22:24	10:41
05-01-2010	08:43	126° 16' 45"	12:49	+17° 46' 39"	16:55	233° 46' 31"	08:45	17:06	23:44	11:01
06-01-2010	08:44	126° 06' 52"	12:51	+17° 52' 30"	16:57	233° 56' 50"	08:45	17:07	---	11:20
07-01-2010	08:45	125° 55' 45"	12:52	+17° 59' 03"	17:00	234° 08' 23"	08:45	17:08	01:02	11:40
08-01-2010	08:46	125° 43' 25"	12:54	+18° 06' 20"	17:02	234° 21' 09"	08:44	17:10	02:18	12:03
09-01-2010	08:47	125° 29' 53"	12:55	+18° 14' 20"	17:04	234° 35' 07"	08:44	17:11	03:33	12:29
10-01-2010	08:47	125° 15' 09"	12:57	+18° 23' 01"	17:07	234° 50' 16"	08:43	17:12	04:45	13:01
11-01-2010	08:48	124° 59' 16"	12:58	+18° 32' 25"	17:09	235° 06' 35"	08:43	17:14	05:51	13:42
12-01-2010	08:48	124° 42' 14"	13:00	+18° 42' 30"	17:12	235° 24' 03"	08:42	17:15	06:49	14:31
13-01-2010	08:49	124° 24' 04"	13:01	+18° 53' 16"	17:14	235° 42' 38"	08:42	17:16	07:37	15:29
14-01-2010	08:49	124° 04' 47"	13:03	+19° 04' 43"	17:17	236° 02' 20"	08:41	17:18	08:15	16:33
15-01-2010	08:49	123° 44' 25"	13:04	+19° 16' 50"	17:19	236° 23' 07"	08:40	17:19	08:45	17:39
16-01-2010	08:49	123° 23' 00"	13:05	+19° 29' 37"	17:22	236° 44' 57"	08:40	17:21	09:09	18:46
17-01-2010	08:49	123° 00' 31"	13:07	+19° 43' 03"	17:25	237° 07' 50"	08:39	17:22	09:29	19:53
18-01-2010	08:49	122° 37' 02"	13:08	+19° 57' 07"	17:27	237° 31' 44"	08:38	17:23	09:46	20:59
19-01-2010	08:49	122° 12' 32"	13:09	+20° 11' 49"	17:30	237° 56' 38"	08:37	17:25	10:02	22:04
20-01-2010	08:49	121° 47' 05"	13:11	+20° 27' 09"	17:33	238° 22' 30"	08:36	17:26	10:17	23:10
21-01-2010	08:49	121° 20' 41"	13:12	+20° 43' 05"	17:36	238° 49' 18"	08:35	17:28	10:34	---
22-01-2010	08:49	120° 53' 21"	13:13	+20° 59' 37"	17:39	239° 17' 01"	08:34	17:30	10:52	00:18
23-01-2010	08:48	120° 25' 07"	13:15	+21° 16' 45"	17:42	239° 45' 38"	08:33	17:31	11:14	01:29
24-01-2010	08:48	119° 56' 01"	13:16	+21° 34' 28"	17:44	240° 15' 07"	08:32	17:33	11:42	02:42
25-01-2010	08:48	119° 26' 04"	13:17	+21° 52' 44"	17:47	240° 45' 27"	08:31	17:34	12:19	03:56
26-01-2010	08:47	118° 55' 18"	13:18	+22° 11' 35"	17:50	241° 16' 36"	08:30	17:36	13:08	05:07
27-01-2010	08:46	118° 23' 44"	13:20	+22° 30' 57"	17:53	241° 48' 33"	08:29	17:37	14:13	06:11
28-01-2010	08:46	117° 51' 23"	13:21	+22° 50' 52"	17:56	242° 21' 16"	08:28	17:39	15:31	07:04
29-01-2010	08:45	117° 18' 17"	13:22	+23° 11' 18"	17:59	242° 54' 44"	08:26	17:41	16:58	07:45
30-01-2010	08:44	116° 44' 28"	13:23	+23° 32' 15"	18:02	243° 28' 55"	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	08:44	116° 09' 56"	13:24	+23° 53' 41"	18:05	244° 03' 49"	08:24	17:44	19:54	08:42
01-02-2010	08:43	115° 34' 44"	13:25	+24° 15' 37"	18:08	244° 39' 22"	08:22	17:46	21:19	09:04
02-02-2010	08:42	114° 58' 52"	13:26	+24° 38' 01"	18:11	245° 15' 36"	08:21	17:47	22:41	09:24
03-02-2010	08:41	114° 22' 22"	13:27	+25° 00' 53"	18:14	245° 52' 27"	08:20	17:49	---	09:44
04-02-2010	08:40	113° 45' 15"	13:28	+25° 24' 12"	18:17	246° 29' 54"	08:18	17:51	00:01	10:07
05-02-2010	08:39	113° 07' 33"	13:29	+25° 47' 56"	18:20	247° 07' 57"	08:17	17:52	01:19	10:32
06-02-2010	08:38	112° 29' 17"	13:30	+26° 12' 07"	18:23	247° 46' 33"	08:15	17:54	02:34	11:03
07-02-2010	08:37	111° 50' 27"	13:31	+26° 36' 41"	18:27	248° 25' 42"	08:14	17:56	03:43	11:41
08-02-2010	08:36	111° 11' 07"	13:32	+27° 01' 40"	18:30	249° 05' 23"	08:12	17:57	04:44	12:27
09-02-2010	08:34	110° 31' 15"	13:33	+27° 27' 02"	18:33	249° 45' 33"	08:10	17:59	05:35	13:23
10-02-2010	08:33	109° 50' 55"	13:34	+27° 52' 45"	18:36	250° 26' 12"	08:09	18:01	06:16	14:24
11-02-2010	08:32	109° 10' 07"	13:35	+28° 18' 51"	18:39	251° 07' 19"	08:07	18:02	06:49	15:30
12-02-2010	08:31	108° 28' 53"	13:36	+28° 45' 17"	18:42	251° 48' 52"	08:06	18:04	07:14	16:37
13-02-2010	08:29	107° 47' 13"	13:37	+29° 12' 02"	18:45	252° 30' 50"	08:04	18:06	07:35	17:43
14-02-2010	08:28	107° 05' 08"	13:37	+29° 39' 07"	18:48	253° 13' 12"	08:02	18:07	07:53	18:50
15-02-2010	08:26	106° 22' 41"	13:38	+30° 06' 31"	18:51	253° 55' 57"	08:00	18:09	08:10	19:55
16-02-2010	08:25	105° 39' 51"	13:39	+30° 34' 11"	18:54	254° 39' 04"	07:59	18:11	08:25	21:01
17-02-2010	08:24	104° 56' 41"	13:40	+31° 02' 09"	18:57	255° 22' 32"	07:57	18:12	08:41	22:09
18-02-2010	08:22	104° 13' 10"	13:40	+31° 30' 22"	19:00	256° 06' 19"	07:55	18:14	08:59	23:17
19-02-2010	08:21	103° 29' 21"	13:41	+31° 58' 51"	19:03	256° 50' 25"	07:53	18:15	09:19	---
20-02-2010	08:19	102° 45' 14"	13:42	+32° 27' 34"	19:06	257° 34' 48"	07:51	18:17	09:44	00:28
21-02-2010	08:17	102° 00' 50"	13:43	+32° 56' 30"	19:09	258° 19' 27"	07:50	18:19	10:17	01:40
22-02-2010	08:16	101° 16' 10"	13:43	+33° 25' 39"	19:12	259° 04' 23"	07:48	18:20	10:59	02:51
23-02-2010	08:14	100° 31' 15"	13:44	+33° 55' 01"	19:15	259° 49' 32"	07:46	18:22	11:55	03:56
24-02-2010	08:13	99° 46' 07"	13:45	+34° 24' 33"	19:18	260° 34' 56"	07:44	18:24	13:04	04:52
25-02-2010	08:11	99° 00' 45"	13:45	+34° 54' 16"	19:21	261° 20' 32"	07:42	18:25	14:24	05:36
26-02-2010	08:09	98° 15' 12"	13:46	+35° 24' 09"	19:24	262° 06' 20"	07:40	18:27	15:50	06:12
27-02-2010	08:08	97° 29' 27"	13:47	+35° 54' 11"	19:27	262° 52' 18"	07:38	18:28	17:18	06:40
28-02-2010	08:06	96° 43' 32"	13:47	+36° 24' 22"	19:30	263° 38' 27"	07:36	18:30	18:44	07:04
01-03-2010	08:04	95° 57' 27"	13:48	+36° 54' 40"	19:33	264° 24' 45"	07:34	18:32	20:09	07:25

REDSHIFT 6

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	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
02-03-2010	08:03	95° 11' 14"	13:49	+37° 25' 05"	19:36	265° 11' 11"	07:32	18:33	21:32	07:46
03-03-2010	08:01	94° 24' 52"	13:49	+37° 55' 36"	19:39	265° 57' 45"	07:30	18:35	22:54	08:08
04-03-2010	07:59	93° 38' 24"	13:50	+38° 26' 12"	19:42	266° 44' 25"	07:28	18:36	---	08:33
05-03-2010	07:57	92° 51' 50"	13:50	+38° 56' 53"	19:45	267° 31' 11"	07:26	18:38	00:13	09:02
06-03-2010	07:56	92° 05' 10"	13:51	+39° 27' 38"	19:48	268° 18' 02"	07:24	18:39	01:28	09:39
07-03-2010	07:54	91° 18' 26"	13:52	+39° 58' 26"	19:51	269° 04' 58"	07:22	18:41	02:34	10:23
08-03-2010	07:52	90° 31' 38"	13:52	+40° 29' 17"	19:54	269° 51' 56"	07:20	18:43	03:30	11:16
09-03-2010	07:50	89° 44' 47"	13:53	+41° 00' 09"	19:56	270° 38' 58"	07:18	18:44	04:15	12:16
10-03-2010	07:49	88° 57' 54"	13:53	+41° 31' 03"	19:59	271° 26' 00"	07:16	18:46	04:50	13:21
11-03-2010	07:47	88° 11' 00"	13:54	+42° 01' 56"	20:02	272° 13' 04"	07:14	18:47	05:18	14:27
12-03-2010	07:45	87° 24' 06"	13:55	+42° 32' 49"	20:05	273° 00' 08"	07:12	18:49	05:41	15:34
13-03-2010	07:43	86° 37' 12"	13:55	+43° 03' 41"	20:08	273° 47' 10"	07:10	18:50	06:00	16:40
14-03-2010	07:42	85° 50' 19"	13:56	+43° 34' 31"	20:11	274° 34' 11"	07:08	18:52	06:17	17:46
15-03-2010	07:40	85° 03' 28"	13:56	+44° 05' 18"	20:14	275° 21' 10"	07:06	18:53	06:33	18:52
16-03-2010	07:38	84° 16' 40"	13:57	+44° 36' 02"	20:17	276° 08' 05"	07:04	18:55	06:49	19:59
17-03-2010	07:36	83° 29' 56"	13:58	+45° 06' 41"	20:20	276° 54' 56"	07:01	18:56	07:06	21:08
18-03-2010	07:35	82° 43' 17"	13:58	+45° 37' 16"	20:23	277° 41' 42"	06:59	18:58	07:26	22:18
19-03-2010	07:33	81° 56' 43"	13:59	+46° 07' 45"	20:26	278° 28' 22"	06:57	19:00	07:50	23:30
20-03-2010	07:31	81° 10' 15"	13:59	+46° 38' 07"	20:29	279° 14' 55"	06:55	19:01	08:20	---
21-03-2010	07:29	80° 23' 55"	14:00	+47° 08' 22"	20:32	280° 01' 20"	06:53	19:03	08:59	00:41
22-03-2010	07:28	79° 37' 42"	14:01	+47° 38' 29"	20:35	280° 47' 36"	06:51	19:04	09:49	01:47
23-03-2010	07:26	78° 51' 39"	14:01	+48° 08' 27"	20:38	281° 33' 44"	06:49	19:06	10:52	02:44
24-03-2010	07:24	78° 05' 45"	14:02	+48° 38' 16"	20:41	282° 19' 40"	06:47	19:07	12:05	03:31
25-03-2010	07:22	77° 20' 02"	14:02	+49° 07' 55"	20:44	283° 05' 26"	06:45	19:09	13:25	04:09
26-03-2010	07:21	76° 34' 31"	14:03	+49° 37' 23"	20:47	283° 50' 59"	06:43	19:10	14:49	04:39
27-03-2010	07:19	75° 49' 12"	14:04	+50° 06' 39"	20:50	284° 36' 20"	06:40	19:12	16:13	05:04
28-03-2010	08:17	75° 04' 06"	15:04	+50° 35' 42"	21:53	285° 21' 26"	07:38	20:13	18:37	06:26
29-03-2010	08:16	74° 19' 15"	15:05	+51° 04' 33"	21:56	286° 06' 18"	07:36	20:15	20:00	06:47
30-03-2010	08:14	73° 34' 39"	15:06	+51° 33' 10"	21:59	286° 50' 53"	07:34	20:16	21:23	07:09
31-03-2010	08:12	72° 50' 19"	15:06	+52° 01' 32"	22:02	287° 35' 12"	07:32	20:18	22:45	07:32



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	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
01-04-2010	08:11	72° 06' 16"	15:07	+52° 29' 39"	22:05	288° 19' 13"	07:30	20:19	---	08:00
02-04-2010	08:09	71° 22' 31"	15:08	+52° 57' 30"	22:08	289° 02' 55"	07:28	20:21	00:04	08:34
03-04-2010	08:08	70° 39' 06"	15:09	+53° 25' 04"	22:11	289° 46' 17"	07:26	20:22	01:16	09:16
04-04-2010	08:06	69° 56' 00"	15:09	+53° 52' 20"	22:14	290° 29' 18"	07:24	20:24	02:18	10:07
05-04-2010	08:05	69° 13' 16"	15:10	+54° 19' 19"	22:17	291° 11' 57"	07:22	20:25	03:08	11:06
06-04-2010	08:03	68° 30' 54"	15:11	+54° 45' 58"	22:20	291° 54' 13"	07:20	20:27	03:48	12:09
07-04-2010	08:02	67° 48' 55"	15:12	+55° 12' 17"	22:23	292° 36' 05"	07:18	20:28	04:19	13:16
08-04-2010	08:00	67° 07' 22"	15:13	+55° 38' 16"	22:26	293° 17' 31"	07:16	20:30	04:44	14:22
09-04-2010	07:59	66° 26' 13"	15:13	+56° 03' 54"	22:29	293° 58' 31"	07:13	20:31	05:04	15:28
10-04-2010	07:58	65° 45' 32"	15:14	+56° 29' 10"	22:32	294° 39' 02"	07:11	20:33	05:22	16:34
11-04-2010	07:56	65° 05' 19"	15:15	+56° 54' 03"	22:35	295° 19' 05"	07:09	20:34	05:39	17:40
12-04-2010	07:55	64° 25' 35"	15:16	+57° 18' 32"	22:38	295° 58' 37"	07:07	20:35	05:55	18:47
13-04-2010	07:54	63° 46' 22"	15:17	+57° 42' 37"	22:41	296° 37' 38"	07:05	20:37	06:12	19:55
14-04-2010	07:52	63° 07' 41"	15:18	+58° 06' 17"	22:44	297° 16' 05"	07:03	20:38	06:32	21:06
15-04-2010	07:51	62° 29' 33"	15:19	+58° 29' 31"	22:47	297° 53' 58"	07:01	20:40	06:55	22:18
16-04-2010	07:50	61° 52' 00"	15:20	+58° 52' 19"	22:50	298° 31' 16"	07:00	20:41	07:23	23:30
17-04-2010	07:49	61° 15' 02"	15:21	+59° 14' 39"	22:53	299° 07' 56"	06:58	20:43	08:00	---
18-04-2010	07:48	60° 38' 42"	15:22	+59° 36' 31"	22:56	299° 43' 57"	06:56	20:44	08:47	00:39
19-04-2010	07:47	60° 03' 01"	15:23	+59° 57' 55"	22:59	300° 19' 19"	06:54	20:46	09:46	01:39
20-04-2010	07:46	59° 28' 01"	15:24	+60° 18' 49"	23:02	300° 53' 59"	06:52	20:47	10:56	02:29
21-04-2010	07:45	58° 53' 41"	15:25	+60° 39' 13"	23:05	301° 27' 56"	06:50	20:49	12:13	03:09
22-04-2010	07:44	58° 20' 06"	15:26	+60° 59' 06"	23:08	302° 01' 09"	06:48	20:50	13:33	03:41
23-04-2010	07:43	57° 47' 14"	15:27	+61° 18' 28"	23:11	302° 33' 35"	06:46	20:52	14:54	04:06
24-04-2010	07:43	57° 15' 09"	15:28	+61° 37' 17"	23:14	303° 05' 15"	06:44	20:53	16:15	04:29
25-04-2010	07:42	56° 43' 52"	15:29	+61° 55' 34"	23:17	303° 36' 05"	06:42	20:55	17:36	04:50
26-04-2010	07:41	56° 13' 23"	15:30	+62° 13' 17"	23:20	304° 06' 05"	06:41	20:56	18:57	05:10
27-04-2010	07:41	55° 43' 46"	15:31	+62° 30' 26"	23:23	304° 35' 12"	06:39	20:58	20:18	05:33
28-04-2010	07:40	55° 15' 00"	15:32	+62° 47' 01"	23:26	305° 03' 26"	06:37	20:59	21:38	05:58
29-04-2010	07:40	54° 47' 09"	15:33	+63° 03' 00"	23:28	305° 30' 45"	06:35	21:01	22:53	06:29
30-04-2010	07:39	54° 20' 12"	15:35	+63° 18' 23"	23:31	305° 57' 08"	06:34	21:02	---	07:08



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	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
01-05-2010	07:39	53° 54' 13"	15:36	+63° 33' 10"	23:34	306° 22' 32"	06:32	21:04	00:01	07:56
02-05-2010	07:39	53° 29' 11"	15:37	+63° 47' 20"	23:36	306° 46' 57"	06:30	21:05	00:58	08:52
03-05-2010	07:38	53° 05' 10"	15:38	+64° 00' 52"	23:39	307° 10' 20"	06:29	21:06	01:43	09:55
04-05-2010	07:38	52° 42' 10"	15:39	+64° 13' 46"	23:42	307° 32' 41"	06:27	21:08	02:18	11:02
05-05-2010	07:38	52° 20' 12"	15:41	+64° 26' 01"	23:44	307° 53' 57"	06:25	21:09	02:45	12:09
06-05-2010	07:38	51° 59' 19"	15:42	+64° 37' 38"	23:47	308° 14' 08"	06:24	21:11	03:07	13:15
07-05-2010	07:38	51° 39' 32"	15:43	+64° 48' 34"	23:49	308° 33' 13"	06:22	21:12	03:26	14:21
08-05-2010	07:38	51° 20' 51"	15:45	+64° 58' 51"	23:51	308° 51' 09"	06:21	21:14	03:43	15:26
09-05-2010	07:39	51° 03' 19"	15:46	+65° 08' 28"	23:54	309° 07' 55"	06:19	21:15	04:00	16:32
10-05-2010	07:39	50° 46' 57"	15:47	+65° 17' 24"	23:56	309° 23' 31"	06:18	21:16	04:17	17:40
11-05-2010	07:39	50° 31' 45"	15:48	+65° 25' 39"	23:58	309° 37' 55"	06:16	21:18	04:35	18:50
12-05-2010	07:40	50° 17' 45"	15:50	+65° 33' 12"	00:00(+1 jour)	309° 51' 06"	06:15	21:19	04:57	20:02
13-05-2010	07:40	50° 04' 58"	15:51	+65° 40' 04"	00:02(+1 jour)	310° 03' 04"	06:13	21:21	05:23	21:15
14-05-2010	07:41	49° 53' 25"	15:52	+65° 46' 14"	00:04(+1 jour)	310° 13' 46"	06:12	21:22	05:57	22:26
15-05-2010	07:42	49° 43' 07"	15:54	+65° 51' 41"	00:06(+1 jour)	310° 23' 13"	06:11	21:23	06:42	23:31
16-05-2010	07:43	49° 34' 04"	15:55	+65° 56' 26"	00:08(+1 jour)	310° 31' 24"	06:09	21:25	07:38	---
17-05-2010	07:43	49° 26' 17"	15:56	+66° 00' 29"	00:10(+1 jour)	310° 38' 18"	06:08	21:26	08:46	00:25
18-05-2010	07:44	49° 19' 48"	15:58	+66° 03' 49"	00:12(+1 jour)	310° 43' 55"	06:07	21:27	10:03	01:09
19-05-2010	07:45	49° 14' 36"	15:59	+66° 06' 26"	00:13(+1 jour)	310° 48' 14"	06:06	21:28	11:23	01:43
20-05-2010	07:46	49° 10' 41"	16:01	+66° 08' 20"	00:15(+1 jour)	310° 51' 15"	06:04	21:30	12:43	02:10
21-05-2010	07:48	49° 08' 04"	16:02	+66° 09' 31"	00:16(+1 jour)	310° 52' 58"	06:03	21:31	14:03	02:34
22-05-2010	07:49	49° 06' 46"	16:03	+66° 10' 00"	00:17(+1 jour)	310° 53' 23"	06:02	21:32	15:22	02:54
23-05-2010	07:50	49° 06' 45"	16:05	+66° 09' 45"	00:19(+1 jour)	310° 52' 30"	06:01	21:33	16:40	03:15
24-05-2010	07:52	49° 08' 03"	16:06	+66° 08' 48"	00:20(+1 jour)	310° 50' 19"	06:00	21:35	17:59	03:36
25-05-2010	07:53	49° 10' 38"	16:07	+66° 07' 08"	00:21(+1 jour)	310° 46' 50"	05:59	21:36	19:18	03:59
26-05-2010	07:55	49° 14' 32"	16:08	+66° 04' 45"	00:22(+1 jour)	310° 42' 04"	05:58	21:37	20:34	04:28
27-05-2010	07:56	49° 19' 42"	16:10	+66° 01' 40"	00:23(+1 jour)	310° 36' 01"	05:57	21:38	21:44	05:02
28-05-2010	07:58	49° 26' 09"	16:11	+65° 57' 53"	00:24(+1 jour)	310° 28' 42"	05:56	21:39	22:46	05:46
29-05-2010	08:00	49° 33' 51"	16:12	+65° 53' 23"	00:25(+1 jour)	310° 20' 08"	05:56	21:40	23:36	06:39
30-05-2010	08:02	49° 42' 50"	16:14	+65° 48' 12"	00:25(+1 jour)	310° 10' 19"	05:55	21:41	---	07:40



Lever/Coucher

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Objet

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Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
31-05-2010	08:04	49° 53' 03"	16:15	+65° 42' 19"	00:26(+1 jour)	309° 59' 17"	05:54	21:42	00:15	08:46
01-06-2010	08:05	50° 04' 29"	16:16	+65° 35' 45"	00:26(+1 jour)	309° 47' 01"	05:53	21:43	00:45	09:54
02-06-2010	08:07	50° 17' 08"	16:17	+65° 28' 30"	00:27(+1 jour)	309° 33' 34"	05:53	21:44	01:10	11:01
03-06-2010	08:10	50° 30' 59"	16:19	+65° 20' 35"	00:27(+1 jour)	309° 18' 56"	05:52	21:45	01:30	12:07
04-06-2010	08:12	50° 46' 01"	16:20	+65° 11' 59"	00:27(+1 jour)	309° 03' 09"	05:51	21:46	01:48	13:12
05-06-2010	08:14	51° 02' 11"	16:21	+65° 02' 43"	00:27(+1 jour)	308° 46' 13"	05:51	21:47	02:04	14:17
06-06-2010	08:16	51° 19' 30"	16:22	+64° 52' 48"	00:28(+1 jour)	308° 28' 11"	05:50	21:48	02:21	15:23
07-06-2010	08:18	51° 37' 56"	16:23	+64° 42' 14"	00:28(+1 jour)	308° 09' 03"	05:50	21:48	02:38	16:31
08-06-2010	08:21	51° 57' 27"	16:24	+64° 31' 01"	00:27(+1 jour)	307° 48' 50"	05:50	21:49	02:58	17:42
09-06-2010	08:23	52° 18' 02"	16:26	+64° 19' 10"	00:27(+1 jour)	307° 27' 36"	05:49	21:50	03:22	18:54
10-06-2010	08:25	52° 39' 39"	16:27	+64° 06' 42"	00:27(+1 jour)	307° 05' 20"	05:49	21:51	03:53	20:07
11-06-2010	08:28	53° 02' 18"	16:28	+63° 53' 37"	00:27(+1 jour)	306° 42' 04"	05:49	21:51	04:33	21:16
12-06-2010	08:30	53° 25' 56"	16:29	+63° 39' 56"	00:26(+1 jour)	306° 17' 50"	05:48	21:52	05:25	22:16
13-06-2010	08:33	53° 50' 32"	16:30	+63° 25' 39"	00:26(+1 jour)	305° 52' 39"	05:48	21:52	06:30	23:05
14-06-2010	08:35	54° 16' 04"	16:31	+63° 10' 46"	00:25(+1 jour)	305° 26' 34"	05:48	21:53	07:46	23:43
15-06-2010	08:38	54° 42' 32"	16:32	+62° 55' 19"	00:25(+1 jour)	304° 59' 35"	05:48	21:53	09:07	---
16-06-2010	08:40	55° 09' 52"	16:33	+62° 39' 18"	00:24(+1 jour)	304° 31' 45"	05:48	21:54	10:30	00:14
17-06-2010	08:43	55° 38' 04"	16:34	+62° 22' 44"	00:23(+1 jour)	304° 03' 04"	05:48	21:54	11:51	00:38
18-06-2010	08:45	56° 07' 06"	16:34	+62° 05' 38"	00:22(+1 jour)	303° 33' 34"	05:48	21:55	13:11	01:00
19-06-2010	08:48	56° 36' 56"	16:35	+61° 47' 59"	00:22(+1 jour)	303° 03' 18"	05:48	21:55	14:30	01:20
20-06-2010	08:51	57° 07' 33"	16:36	+61° 29' 49"	00:21(+1 jour)	302° 32' 16"	05:48	21:55	15:48	01:41
21-06-2010	08:53	57° 38' 55"	16:37	+61° 11' 08"	00:20(+1 jour)	302° 00' 30"	05:48	21:55	17:05	02:04
22-06-2010	08:56	58° 11' 01"	16:38	+60° 51' 58"	00:18(+1 jour)	301° 28' 02"	05:49	21:56	18:21	02:30
23-06-2010	08:59	58° 43' 49"	16:39	+60° 32' 19"	00:17(+1 jour)	300° 54' 53"	05:49	21:56	19:32	03:01
24-06-2010	09:01	59° 17' 18"	16:39	+60° 12' 11"	00:16(+1 jour)	300° 21' 04"	05:49	21:56	20:36	03:41
25-06-2010	09:04	59° 51' 26"	16:40	+59° 51' 35"	00:15(+1 jour)	299° 46' 38"	05:50	21:56	21:30	04:30
26-06-2010	09:07	60° 26' 12"	16:41	+59° 30' 32"	00:14(+1 jour)	299° 11' 34"	05:50	21:56	22:12	05:28
27-06-2010	09:09	61° 01' 35"	16:41	+59° 09' 02"	00:12(+1 jour)	298° 35' 55"	05:50	21:56	22:46	06:32
28-06-2010	09:12	61° 37' 32"	16:42	+58° 47' 07"	00:11(+1 jour)	297° 59' 43"	05:51	21:56	23:13	07:39
29-06-2010	09:14	62° 14' 04"	16:43	+58° 24' 47"	00:10(+1 jour)	297° 22' 57"	05:51	21:56	23:34	08:47



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 Lon : 2°20'0"E

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Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
30-06-2010	09:17	62° 51' 07"	16:43	+58° 02' 03"	00:08(+1 jour)	296° 45' 40"	05:52	21:55	23:53	09:54
01-07-2010	09:20	63° 28' 42"	16:44	+57° 38' 55"	00:06(+1 jour)	296° 07' 53"	05:53	21:55	---	10:59
02-07-2010	09:22	64° 06' 47"	16:44	+57° 15' 24"	00:05(+1 jour)	295° 29' 37"	05:53	21:55	00:10	12:04
03-07-2010	09:25	64° 45' 21"	16:45	+56° 51' 31"	00:03(+1 jour)	294° 50' 54"	05:54	21:55	00:26	13:09
04-07-2010	09:28	65° 24' 22"	16:45	+56° 27' 16"	00:02(+1 jour)	294° 11' 43"	05:55	21:54	00:43	14:15
05-07-2010	09:30	66° 03' 49"	16:46	+56° 02' 40"	00:00(+1 jour)	293° 32' 08"	05:55	21:54	01:01	15:23
06-07-2010	09:33	66° 43' 42"	16:46	+55° 37' 45"	23:58	292° 52' 08"	05:56	21:53	01:23	16:34
07-07-2010	09:35	67° 23' 58"	16:46	+55° 12' 30"	23:56	292° 11' 44"	05:57	21:53	01:49	17:45
08-07-2010	09:38	68° 04' 38"	16:47	+54° 46' 56"	23:55	291° 30' 59"	05:58	21:52	02:24	18:56
09-07-2010	09:40	68° 45' 40"	16:47	+54° 21' 04"	23:53	290° 49' 53"	05:59	21:52	03:10	20:00
10-07-2010	09:43	69° 27' 02"	16:48	+53° 54' 55"	23:51	290° 08' 26"	06:00	21:51	04:08	20:55
11-07-2010	09:45	70° 08' 44"	16:48	+53° 28' 29"	23:49	289° 26' 41"	06:00	21:50	05:20	21:38
12-07-2010	09:48	70° 50' 45"	16:48	+53° 01' 48"	23:47	288° 44' 37"	06:01	21:50	06:42	22:13
13-07-2010	09:50	71° 33' 03"	16:48	+52° 34' 51"	23:45	288° 02' 17"	06:02	21:49	08:07	22:41
14-07-2010	09:53	72° 15' 38"	16:49	+52° 07' 40"	23:43	287° 19' 41"	06:03	21:48	09:32	23:04
15-07-2010	09:55	72° 58' 29"	16:49	+51° 40' 15"	23:41	286° 36' 49"	06:04	21:47	10:55	23:26
16-07-2010	09:58	73° 41' 34"	16:49	+51° 12' 38"	23:39	285° 53' 44"	06:06	21:46	12:16	23:47
17-07-2010	10:00	74° 24' 54"	16:49	+50° 44' 48"	23:37	285° 10' 25"	06:07	21:45	13:36	---
18-07-2010	10:02	75° 08' 26"	16:49	+50° 16' 46"	23:35	284° 26' 55"	06:08	21:44	14:54	00:09
19-07-2010	10:05	75° 52' 09"	16:49	+49° 48' 33"	23:32	283° 43' 13"	06:09	21:43	16:11	00:34
20-07-2010	10:07	76° 36' 04"	16:49	+49° 20' 11"	23:30	282° 59' 20"	06:10	21:42	17:24	01:04
21-07-2010	10:10	77° 20' 09"	16:49	+48° 51' 39"	23:28	282° 15' 18"	06:11	21:41	18:29	01:40
22-07-2010	10:12	78° 04' 24"	16:49	+48° 22' 58"	23:26	281° 31' 07"	06:12	21:40	19:26	02:26
23-07-2010	10:14	78° 48' 47"	16:49	+47° 54' 09"	23:24	280° 46' 48"	06:14	21:39	20:12	03:20
24-07-2010	10:16	79° 33' 18"	16:49	+47° 25' 12"	23:21	280° 02' 22"	06:15	21:38	20:48	04:22
25-07-2010	10:19	80° 17' 56"	16:49	+46° 56' 08"	23:19	279° 17' 49"	06:16	21:37	21:16	05:28
26-07-2010	10:21	81° 02' 40"	16:49	+46° 26' 59"	23:17	278° 33' 10"	06:17	21:35	21:39	06:35
27-07-2010	10:23	81° 47' 30"	16:49	+45° 57' 43"	23:14	277° 48' 26"	06:18	21:34	21:59	07:42
28-07-2010	10:25	82° 32' 24"	16:49	+45° 28' 23"	23:12	277° 03' 37"	06:20	21:33	22:16	08:48
29-07-2010	10:27	83° 17' 23"	16:49	+44° 58' 58"	23:10	276° 18' 45"	06:21	21:31	22:33	09:53



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Lat : 48°51'59"N
Lon : 2°20'0"E

Objet

Planète:
Vénus

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
30-07-2010	10:30	84° 02' 26"	16:49	+44° 29' 29"	23:07	275° 33' 50"	06:22	21:30	22:49	10:58
31-07-2010	10:32	84° 47' 31"	16:49	+43° 59' 57"	23:05	274° 48' 52"	06:24	21:29	23:07	12:03
01-08-2010	10:34	85° 32' 38"	16:49	+43° 30' 23"	23:02	274° 03' 52"	06:25	21:27	23:26	13:09
02-08-2010	10:36	86° 17' 47"	16:48	+43° 00' 46"	23:00	273° 18' 51"	06:26	21:26	23:50	14:17
03-08-2010	10:38	87° 02' 57"	16:48	+42° 31' 09"	22:57	272° 33' 50"	06:28	21:24	---	15:27
04-08-2010	10:40	87° 48' 07"	16:48	+42° 01' 30"	22:55	271° 48' 49"	06:29	21:23	00:20	16:36
05-08-2010	10:42	88° 33' 16"	16:48	+41° 31' 51"	22:52	271° 03' 48"	06:30	21:21	01:00	17:42
06-08-2010	10:44	89° 18' 24"	16:47	+41° 02' 13"	22:50	270° 18' 50"	06:32	21:19	01:51	18:40
07-08-2010	10:46	90° 03' 30"	16:47	+40° 32' 36"	22:47	269° 33' 53"	06:33	21:18	02:55	19:29
08-08-2010	10:48	90° 48' 34"	16:47	+40° 03' 01"	22:45	268° 48' 59"	06:34	21:16	04:11	20:08
09-08-2010	10:50	91° 33' 35"	16:46	+39° 33' 28"	22:42	268° 04' 09"	06:36	21:15	05:35	20:39
10-08-2010	10:52	92° 18' 32"	16:46	+39° 03' 58"	22:39	267° 19' 22"	06:37	21:13	07:01	21:05
11-08-2010	10:54	93° 03' 24"	16:46	+38° 34' 31"	22:37	266° 34' 41"	06:39	21:11	08:27	21:28
12-08-2010	10:55	93° 48' 11"	16:45	+38° 05' 09"	22:34	265° 50' 06"	06:40	21:09	09:52	21:50
13-08-2010	10:57	94° 32' 51"	16:45	+37° 35' 51"	22:32	265° 05' 37"	06:41	21:08	11:16	22:13
14-08-2010	10:59	95° 17' 25"	16:45	+37° 06' 40"	22:29	264° 21' 15"	06:43	21:06	12:37	22:38
15-08-2010	11:01	96° 01' 51"	16:44	+36° 37' 34"	22:26	263° 37' 01"	06:44	21:04	13:57	23:06
16-08-2010	11:03	96° 46' 09"	16:44	+36° 08' 35"	22:23	262° 52' 56"	06:46	21:02	15:13	23:41
17-08-2010	11:04	97° 30' 17"	16:43	+35° 39' 44"	22:21	262° 09' 00"	06:47	21:01	16:22	---
18-08-2010	11:06	98° 14' 16"	16:43	+35° 11' 01"	22:18	261° 25' 14"	06:48	20:59	17:21	00:24
19-08-2010	11:08	98° 58' 04"	16:42	+34° 42' 27"	22:15	260° 41' 39"	06:50	20:57	18:10	01:16
20-08-2010	11:10	99° 41' 41"	16:42	+34° 14' 02"	22:13	259° 58' 16"	06:51	20:55	18:49	02:15
21-08-2010	11:11	100° 25' 05"	16:41	+33° 45' 48"	22:10	259° 15' 05"	06:53	20:53	19:20	03:19
22-08-2010	11:13	101° 08' 17"	16:40	+33° 17' 43"	22:07	258° 32' 07"	06:54	20:51	19:45	04:26
23-08-2010	11:14	101° 51' 15"	16:40	+32° 49' 51"	22:04	257° 49' 23"	06:56	20:49	20:05	05:33
24-08-2010	11:16	102° 33' 59"	16:39	+32° 22' 09"	22:01	257° 06' 54"	06:57	20:47	20:23	06:39
25-08-2010	11:17	103° 16' 28"	16:38	+31° 54' 41"	21:58	256° 24' 40"	06:58	20:45	20:40	07:44
26-08-2010	11:19	103° 58' 40"	16:38	+31° 27' 25"	21:56	255° 42' 42"	07:00	20:43	20:57	08:49
27-08-2010	11:20	104° 40' 36"	16:37	+31° 00' 24"	21:53	255° 01' 02"	07:01	20:41	21:14	09:53
28-08-2010	11:22	105° 22' 15"	16:36	+30° 33' 36"	21:50	254° 19' 38"	07:03	20:39	21:33	10:59



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Objet

Planète:
Vénus

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
29-08-2010	11:23	106° 03' 35"	16:35	+30° 07' 04"	21:47	253° 38' 34"	07:04	20:37	21:55	12:06
30-08-2010	11:24	106° 44' 36"	16:35	+29° 40' 47"	21:44	252° 57' 49"	07:05	20:35	22:22	13:14
31-08-2010	11:26	107° 25' 17"	16:34	+29° 14' 46"	21:41	252° 17' 24"	07:07	20:33	22:57	14:22
01-09-2010	11:27	108° 05' 36"	16:33	+28° 49' 02"	21:38	251° 37' 21"	07:08	20:31	23:42	15:28
02-09-2010	11:28	108° 45' 34"	16:32	+28° 23' 36"	21:35	250° 57' 40"	07:10	20:29	---	16:28
03-09-2010	11:29	109° 25' 09"	16:31	+27° 58' 28"	21:32	250° 18' 22"	07:11	20:27	00:38	17:19
04-09-2010	11:30	110° 04' 20"	16:30	+27° 33' 39"	21:29	249° 39' 28"	07:12	20:25	01:47	18:01
05-09-2010	11:31	110° 43' 06"	16:29	+27° 09' 09"	21:26	249° 00' 59"	07:14	20:23	03:05	18:35
06-09-2010	11:32	111° 21' 25"	16:28	+26° 44' 59"	21:23	248° 22' 57"	07:15	20:21	04:28	19:04
07-09-2010	11:33	111° 59' 18"	16:27	+26° 21' 11"	21:20	247° 45' 22"	07:17	20:19	05:54	19:28
08-09-2010	11:34	112° 36' 42"	16:26	+25° 57' 44"	21:16	247° 08' 16"	07:18	20:17	07:20	19:51
09-09-2010	11:35	113° 13' 36"	16:24	+25° 34' 40"	21:13	246° 31' 41"	07:20	20:15	08:45	20:14
10-09-2010	11:36	113° 49' 59"	16:23	+25° 11' 59"	21:10	245° 55' 37"	07:21	20:12	10:10	20:39
11-09-2010	11:36	114° 25' 49"	16:22	+24° 49' 43"	21:07	245° 20' 06"	07:22	20:10	11:33	21:07
12-09-2010	11:37	115° 01' 05"	16:21	+24° 27' 52"	21:04	244° 45' 09"	07:24	20:08	12:54	21:40
13-09-2010	11:37	115° 35' 46"	16:19	+24° 06' 27"	21:00	244° 10' 49"	07:25	20:06	14:08	22:21
14-09-2010	11:38	116° 09' 48"	16:18	+23° 45' 29"	20:57	243° 37' 06"	07:27	20:04	15:13	23:11
15-09-2010	11:38	116° 43' 12"	16:16	+23° 24' 59"	20:54	243° 04' 03"	07:28	20:02	16:06	---
16-09-2010	11:38	117° 15' 55"	16:15	+23° 04' 57"	20:50	242° 31' 42"	07:29	20:00	16:49	00:09
17-09-2010	11:38	117° 47' 55"	16:13	+22° 45' 26"	20:47	242° 00' 04"	07:31	19:58	17:22	01:12
18-09-2010	11:39	118° 19' 10"	16:11	+22° 26' 26"	20:43	241° 29' 11"	07:32	19:55	17:49	02:18
19-09-2010	11:38	118° 49' 38"	16:09	+22° 07' 58"	20:40	240° 59' 05"	07:34	19:53	18:11	03:24
20-09-2010	11:38	119° 19' 17"	16:08	+21° 50' 03"	20:36	240° 29' 49"	07:35	19:51	18:30	04:30
21-09-2010	11:38	119° 48' 05"	16:06	+21° 32' 43"	20:33	240° 01' 25"	07:37	19:49	18:47	05:35
22-09-2010	11:37	120° 15' 59"	16:04	+21° 15' 58"	20:29	239° 33' 55"	07:38	19:47	19:04	06:40
23-09-2010	11:37	120° 42' 57"	16:01	+20° 59' 51"	20:25	239° 07' 22"	07:39	19:45	19:21	07:45
24-09-2010	11:36	121° 08' 56"	15:59	+20° 44' 22"	20:22	238° 41' 48"	07:41	19:43	19:40	08:50
25-09-2010	11:35	121° 33' 53"	15:57	+20° 29' 32"	20:18	238° 17' 17"	07:42	19:41	20:01	09:57
26-09-2010	11:34	121° 57' 46"	15:54	+20° 15' 24"	20:14	237° 53' 52"	07:44	19:38	20:27	11:05
27-09-2010	11:33	122° 20' 30"	15:52	+20° 01' 59"	20:10	237° 32' 07"	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

Planète:
Vénus

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
28-09-2010	11:31	122° 42' 04"	15:49	+19° 49' 18"	20:07	237° 10' 52"	07:47	19:34	21:40	13:19
29-09-2010	11:30	123° 02' 23"	15:46	+19° 37' 24"	20:03	236° 50' 53"	07:48	19:32	22:31	14:19
30-09-2010	11:28	123° 21' 24"	15:44	+19° 26' 18"	19:59	236° 32' 13"	07:50	19:30	23:34	15:12
01-10-2010	11:26	123° 39' 03"	15:41	+19° 16' 02"	19:55	236° 14' 56"	07:51	19:28	---	15:57
02-10-2010	11:24	123° 55' 17"	15:37	+19° 06' 38"	19:50	235° 59' 05"	07:52	19:26	00:46	16:33
03-10-2010	11:22	124° 10' 00"	15:34	+18° 58' 09"	19:46	235° 44' 46"	07:54	19:24	02:04	17:02
04-10-2010	11:19	124° 23' 10"	15:31	+18° 50' 35"	19:42	235° 32' 03"	07:55	19:22	03:26	17:28
05-10-2010	11:16	124° 34' 41"	15:27	+18° 44' 01"	19:38	235° 21' 41"	07:57	19:20	04:49	17:51
06-10-2010	11:13	124° 44' 29"	15:23	+18° 38' 28"	19:34	235° 12' 31"	07:58	19:17	06:13	18:14
07-10-2010	11:10	124° 52' 30"	15:20	+18° 33' 58"	19:29	235° 05' 09"	08:00	19:15	07:37	18:37
08-10-2010	11:06	124° 58' 39"	15:16	+18° 30' 34"	19:25	234° 59' 40"	08:01	19:13	09:02	19:04
09-10-2010	11:02	125° 02' 28"	15:12	+18° 28' 19"	19:21	234° 56' 10"	08:03	19:11	10:25	19:36
10-10-2010	10:58	125° 05' 38"	15:07	+18° 27' 15"	19:16	234° 54' 42"	08:04	19:09	11:45	20:15
11-10-2010	10:54	125° 05' 07"	15:03	+18° 27' 25"	19:12	234° 55' 21"	08:06	19:07	12:56	21:02
12-10-2010	10:49	125° 03' 03"	14:58	+18° 28' 50"	19:08	234° 58' 11"	08:07	19:05	13:56	21:58
13-10-2010	10:44	124° 58' 46"	14:54	+18° 31' 34"	19:03	235° 03' 16"	08:09	19:03	14:44	23:01
14-10-2010	10:39	124° 52' 11"	14:49	+18° 35' 39"	18:59	235° 10' 38"	08:10	19:01	15:22	---
15-10-2010	10:33	124° 43' 18"	14:44	+18° 41' 05"	18:54	235° 20' 21"	08:12	18:59	15:51	00:07
16-10-2010	10:28	124° 32' 03"	14:39	+18° 47' 55"	18:50	235° 32' 27"	08:13	18:57	16:15	01:14
17-10-2010	10:22	124° 18' 25"	14:33	+18° 56' 10"	18:45	235° 46' 56"	08:15	18:55	16:35	02:20
18-10-2010	10:15	124° 02' 24"	14:28	+19° 05' 50"	18:41	236° 03' 49"	08:16	18:53	16:53	03:26
19-10-2010	10:09	123° 44' 00"	14:22	+19° 16' 55"	18:36	236° 23' 04"	08:18	18:52	17:10	04:30
20-10-2010	10:02	123° 23' 15"	14:17	+19° 29' 25"	18:32	236° 44' 40"	08:20	18:50	17:27	05:35
21-10-2010	09:55	123° 00' 12"	14:11	+19° 43' 19"	18:28	237° 08' 34"	08:21	18:48	17:46	06:40
22-10-2010	09:48	122° 34' 56"	14:05	+19° 58' 35"	18:23	237° 34' 40"	08:23	18:46	18:07	07:47
23-10-2010	09:40	122° 07' 31"	13:59	+20° 15' 09"	18:19	238° 02' 54"	08:24	18:44	18:31	08:55
24-10-2010	09:32	121° 38' 04"	13:53	+20° 32' 59"	18:15	238° 33' 07"	08:26	18:42	19:02	10:03
25-10-2010	09:25	121° 06' 43"	13:47	+20° 52' 01"	18:10	239° 04' 46"	08:27	18:40	19:40	11:10
26-10-2010	09:17	120° 33' 38"	13:41	+21° 12' 08"	18:06	239° 38' 45"	08:29	18:39	20:29	12:13
27-10-2010	09:09	119° 58' 58"	13:35	+21° 33' 17"	18:02	240° 14' 17"	08:31	18:37	21:28	13:08



Lever/Coucher

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Objet

Planète:
Vénus

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
28-10-2010	09:01	119° 22' 55"	13:29	+21° 55' 19"	17:58	240° 51' 08"	08:32	18:35	22:36	13:55
29-10-2010	08:52	118° 45' 41"	13:23	+22° 18' 08"	17:54	241° 29' 07"	08:34	18:33	23:51	14:33
30-10-2010	08:44	118° 07' 29"	13:17	+22° 41' 37"	17:50	242° 07' 15"	08:35	18:32	---	15:03
31-10-2010	07:36	117° 28' 31"	12:11	+23° 05' 37"	16:46	242° 46' 34"	07:37	17:30	01:09	14:29
01-11-2010	07:28	116° 49' 02"	12:05	+23° 30' 01"	16:43	243° 26' 19"	07:39	17:28	01:28	14:53
02-11-2010	07:20	116° 09' 15"	11:59	+23° 54' 39"	16:39	244° 06' 17"	07:40	17:27	02:49	15:15
03-11-2010	07:12	115° 29' 23"	11:53	+24° 19' 24"	16:35	244° 46' 15"	07:42	17:25	04:10	15:37
04-11-2010	07:04	114° 49' 39"	11:48	+24° 44' 07"	16:32	245° 25' 59"	07:43	17:24	05:32	16:02
05-11-2010	06:56	114° 10' 16"	11:42	+25° 08' 40"	16:29	246° 05' 18"	07:45	17:22	06:55	16:31
06-11-2010	06:49	113° 31' 25"	11:37	+25° 32' 56"	16:25	246° 43' 59"	07:47	17:20	08:16	17:06
07-11-2010	06:41	112° 53' 19"	11:31	+25° 56' 47"	16:22	247° 21' 51"	07:48	17:19	09:32	17:50
08-11-2010	06:34	112° 16' 08"	11:26	+26° 20' 05"	16:19	247° 58' 43"	07:50	17:18	10:39	18:43
09-11-2010	06:27	111° 40' 00"	11:21	+26° 42' 46"	16:16	248° 34' 28"	07:51	17:16	11:34	19:45
10-11-2010	06:20	111° 05' 06"	11:16	+27° 04' 42"	16:12	249° 08' 56"	07:53	17:15	12:17	20:51
11-11-2010	06:14	110° 31' 32"	11:11	+27° 25' 49"	16:09	249° 41' 59"	07:54	17:13	12:50	22:00
12-11-2010	06:07	109° 59' 25"	11:07	+27° 46' 03"	16:07	250° 13' 32"	07:56	17:12	13:16	23:07
13-11-2010	06:01	109° 28' 53"	11:02	+28° 05' 18"	16:04	250° 43' 28"	07:58	17:11	13:38	---
14-11-2010	05:55	108° 59' 58"	10:58	+28° 23' 31"	16:01	251° 11' 44"	07:59	17:09	13:57	00:13
15-11-2010	05:50	108° 32' 45"	10:54	+28° 40' 41"	15:58	251° 38' 15"	08:01	17:08	14:15	01:18
16-11-2010	05:44	108° 07' 18"	10:50	+28° 56' 44"	15:55	252° 02' 59"	08:02	17:07	14:32	02:22
17-11-2010	05:39	107° 43' 39"	10:46	+29° 11' 38"	15:53	252° 25' 55"	08:04	17:06	14:50	03:27
18-11-2010	05:34	107° 21' 49"	10:42	+29° 25' 24"	15:50	252° 46' 59"	08:05	17:05	15:10	04:33
19-11-2010	05:30	107° 01' 49"	10:38	+29° 37' 59"	15:47	253° 06' 13"	08:07	17:04	15:33	05:40
20-11-2010	05:25	106° 43' 40"	10:35	+29° 49' 24"	15:45	253° 23' 37"	08:08	17:03	16:02	06:49
21-11-2010	05:21	106° 27' 38"	10:31	+29° 59' 39"	15:42	253° 39' 09"	08:10	17:02	16:38	07:58
22-11-2010	05:17	106° 12' 24"	10:28	+30° 08' 44"	15:40	253° 52' 53"	08:11	17:01	17:24	09:03
23-11-2010	05:13	106° 00' 09"	10:25	+30° 16' 40"	15:38	254° 04' 49"	08:13	17:00	18:21	10:03
24-11-2010	05:10	105° 49' 13"	10:22	+30° 23' 27"	15:35	254° 15' 00"	08:14	16:59	19:28	10:53
25-11-2010	05:06	105° 40' 02"	10:20	+30° 29' 08"	15:33	254° 23' 26"	08:16	16:58	20:42	11:33
26-11-2010	05:03	105° 32' 33"	10:17	+30° 33' 44"	15:31	254° 30' 12"	08:17	16:57	21:59	12:06



Lever/Coucher

Date/position

Date: 01-01-2010
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Objet

Planète:
Vénus

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

REDSHIFT™ 6

Lever/Coucher

Date/position

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Objet

Planète:
Vénus

Date	Lever		Transit		Coucher		Soleil		Lune	
	H.locale	Azm	H.locale	Alt	H.locale	Azm	Lever	Coucher	Lever	Coucher
27-12-2010	04:42	111° 11' 20"	09:38	+26° 53' 35"	14:34	248° 40' 00"	08:45	16:57	---	11:46
28-12-2010	04:43	111° 32' 22"	09:38	+26° 40' 16"	14:33	248° 18' 56"	08:45	16:58	01:02	12:09
29-12-2010	04:44	111° 53' 35"	09:38	+26° 26' 53"	14:31	247° 57' 42"	08:46	16:59	02:21	12:33
30-12-2010	04:45	112° 14' 55"	09:37	+26° 13' 26"	14:30	247° 36' 20"	08:46	17:00	03:39	13:02
31-12-2010	04:46	112° 36' 22"	09:37	+25° 59' 56"	14:29	247° 14' 54"	08:46	17:01	04:55	13:37