

# Éphémérides à long terme

par Oliv Soft

## For the Sun & Aries



The maximum error of GHA and Dec is about  $\pm 0.6'$ .  
EoT is accurate  $\pm 2s$ .

*y* : year, *m* : month, *d* : day

$T = 367 \times y - \text{floor}(1.75 \times (y + \text{floor}((m+9)/12))) + \text{floor}(275 \times (m/9)) + d + (UT[h]/24) - 730531.5$

Mean anomaly of the Sun

$g[^\circ] = 0.9856003 \times T - 2.472$

Mean longitude of the Sun

$L_m = 0.9856474 \times T - 79.53938$

True longitude of the Sun

$L_t[^\circ] = L_m[^\circ] + 1.915 \times \sin(g) + 0.02 \times \sin(2 \times g)$

Obliquity of the ecliptic

$\epsilon[^\circ] = 23.439 - 4 \times T \cdot 10^{-7}$

**Declination of the Sun**

$\text{Dec}[^\circ] = \arcsin(\sin(L_t) \times \sin(\epsilon))$

Right Ascension of the Sun

$\text{RA}[^\circ] = 2 \times \arctan((\cos(\epsilon) \times \sin(L_t)) / (\cos(\text{Dec}) \times \cos(L_t)))$

GHA Aries

$\text{GHA}_{\text{Aries}} = 0.9865474 \times T + 15 \times UT[h] + 100.46062$

**Greenwich hour angle of the Sun**

$\text{GHA}[^\circ] = \text{GHA}_{\text{Aries}}[^\circ] - \text{RA}[^\circ]$

**Equation of Time**

$\text{GAT}[h] = (\text{GHA}[^\circ] / 15) + 12h$

(if  $\text{GAT} > 24h$ , subtract  $24h$ .)

$\text{EoT}[h] = \text{GAT}[h] - UT[h]$

(if  $\text{EoT} > +0.3h$ , subtract  $24h$ . If  $\text{EoT} < -0.3h$ , add  $24h$ .)

**Semidiameter and Horizontal Parallax**

$R[AU] = 1.00014 - 0.01671 \times \cos(g) - 0.00014 \times \cos(2 \times g)$

( $1AU = 149.6E6 \text{ km}$ )

$\text{SD}['] = 16.0 / R[AU]$

$hp['] = 0.15$

**1er janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°10.34'	S 23°00.80'	100°32.26'	00
01	194°10.05'	S 23°00.60'	115°34.73'	01
02	209°09.75'	S 23°00.40'	130°37.19'	02
03	224°09.46'	S 23°00.19'	145°39.66'	03
04	239°09.16'	S 22°59.99'	160°42.12'	04
05	254°08.87'	S 22°59.79'	175°44.59'	05
06	269°08.57'	S 22°59.58'	190°47.05'	06
07	284°08.28'	S 22°59.38'	205°49.51'	07
08	299°07.98'	S 22°59.17'	220°51.98'	08
09	314°07.69'	S 22°58.97'	235°54.44'	09
10	329°07.39'	S 22°58.76'	250°56.91'	10
11	344°07.10'	S 22°58.55'	265°59.37'	11
12	359°06.80'	S 22°58.34'	281°01.83'	12
13	14°06.51'	S 22°58.13'	296°04.30'	13
14	29°06.22'	S 22°57.92'	311°06.76'	14
15	44°05.92'	S 22°57.71'	326°09.23'	15
16	59°05.63'	S 22°57.50'	341°11.69'	16
17	74°05.34'	S 22°57.29'	356°14.15'	17
18	89°05.04'	S 22°57.07'	11°16.62'	18
19	104°04.75'	S 22°56.86'	26°19.08'	19
20	119°04.46'	S 22°56.65'	41°21.55'	20
21	134°04.16'	S 22°56.43'	56°24.01'	21
22	149°03.87'	S 22°56.21'	71°26.48'	22
23	164°03.58'	S 22°55.99'	86°28.94'	23
24	179°03.29'	S 22°55.78'	101°31.40'	24
½Ø 16.2717'		p.h. (π) 0.1500'		
EoT at 12 UT -3m33s				

**3 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°56.31'	S 22°50.30'	102°30.54'	00
01	193°56.02'	S 22°50.06'	117°33.01'	01
02	208°55.73'	S 22°49.82'	132°35.47'	02
03	223°55.44'	S 22°49.58'	147°37.93'	03
04	238°55.16'	S 22°49.34'	162°40.40'	04
05	253°54.87'	S 22°49.10'	177°42.86'	05
06	268°54.58'	S 22°48.86'	192°45.33'	06
07	283°54.29'	S 22°48.62'	207°47.79'	07
08	298°54.00'	S 22°48.37'	222°50.26'	08
09	313°53.72'	S 22°48.13'	237°52.72'	09
10	328°53.43'	S 22°47.88'	252°55.18'	10
11	343°53.14'	S 22°47.64'	267°57.65'	11
12	358°52.86'	S 22°47.39'	283°00.11'	12
13	13°52.57'	S 22°47.14'	298°02.58'	13
14	28°52.28'	S 22°46.89'	313°05.04'	14
15	43°52.00'	S 22°46.65'	328°07.50'	15
16	58°51.71'	S 22°46.40'	343°09.97'	16
17	73°51.42'	S 22°46.14'	358°12.43'	17
18	88°51.14'	S 22°45.89'	13°14.90'	18
19	103°50.85'	S 22°45.64'	28°17.36'	19
20	118°50.57'	S 22°45.39'	43°19.82'	20
21	133°50.28'	S 22°45.13'	58°22.29'	21
22	148°50.00'	S 22°44.88'	73°24.75'	22
23	163°49.71'	S 22°44.62'	88°27.22'	23
24	178°49.43'	S 22°44.37'	103°29.68'	24
½Ø 16.2719'		p.h. (π) 0.1500'		
EoT at 12 UT -4m29s				

**2 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°03.29'	S 22°55.78'	101°31.40'	00
01	194°02.99'	S 22°55.56'	116°33.87'	01
02	209°02.70'	S 22°55.34'	131°36.33'	02
03	224°02.41'	S 22°55.12'	146°38.80'	03
04	239°02.12'	S 22°54.90'	161°41.26'	04
05	254°01.82'	S 22°54.67'	176°43.72'	05
06	269°01.53'	S 22°54.45'	191°46.19'	06
07	284°01.24'	S 22°54.23'	206°48.65'	07
08	299°00.95'	S 22°54.00'	221°51.12'	08
09	314°00.66'	S 22°53.78'	236°53.58'	09
10	329°00.37'	S 22°53.55'	251°56.04'	10
11	344°00.08'	S 22°53.32'	266°58.51'	11
12	358°59.79'	S 22°53.09'	282°00.97'	12
13	13°59.50'	S 22°52.87'	297°03.44'	13
14	28°59.21'	S 22°52.64'	312°05.90'	14
15	43°58.92'	S 22°52.41'	327°08.37'	15
16	58°58.63'	S 22°52.18'	342°10.83'	16
17	73°58.34'	S 22°51.94'	357°13.29'	17
18	88°58.05'	S 22°51.71'	12°15.76'	18
19	103°57.76'	S 22°51.48'	27°18.22'	19
20	118°57.47'	S 22°51.24'	42°20.69'	20
21	133°57.18'	S 22°51.01'	57°23.15'	21
22	148°56.89'	S 22°50.77'	72°25.61'	22
23	163°56.60'	S 22°50.54'	87°28.08'	23
24	178°56.31'	S 22°50.30'	102°30.54'	24
½Ø 16.2719'		p.h. (π) 0.1500'		
EoT at 12 UT -4m1s				

**4 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°49.43'	S 22°44.37'	103°29.68'	00
01	193°49.14'	S 22°44.11'	118°32.15'	01
02	208°48.86'	S 22°43.85'	133°34.61'	02
03	223°48.57'	S 22°43.59'	148°37.07'	03
04	238°48.29'	S 22°43.34'	163°39.54'	04
05	253°48.00'	S 22°43.08'	178°42.00'	05
06	268°47.72'	S 22°42.81'	193°44.47'	06
07	283°47.44'	S 22°42.55'	208°46.93'	07
08	298°47.15'	S 22°42.29'	223°49.39'	08
09	313°46.87'	S 22°42.03'	238°51.86'	09
10	328°46.59'	S 22°41.76'	253°54.32'	10
11	343°46.30'	S 22°41.50'	268°56.79'	11
12	358°46.02'	S 22°41.23'	283°59.25'	12
13	13°45.74'	S 22°40.97'	299°01.71'	13
14	28°45.46'	S 22°40.70'	314°04.18'	14
15	43°45.17'	S 22°40.43'	329°06.64'	15
16	58°44.89'	S 22°40.16'	344°09.11'	16
17	73°44.61'	S 22°39.89'	359°11.57'	17
18	88°44.33'	S 22°39.62'	14°14.04'	18
19	103°44.05'	S 22°39.35'	29°16.50'	19
20	118°43.77'	S 22°39.08'	44°18.96'	20
21	133°43.48'	S 22°38.81'	59°21.43'	21
22	148°43.20'	S 22°38.53'	74°23.89'	22
23	163°42.92'	S 22°38.26'	89°26.36'	23
24	178°42.64'	S 22°37.98'	104°28.82'	24
½Ø 16.2719'		p.h. (π) 0.1500'		
EoT at 12 UT -4m56s				

**5 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°42.64'	S 22°37.98'	104°28.82'	00
01	193°42.36'	S 22°37.71'	119°31.28'	01
02	208°42.08'	S 22°37.43'	134°33.75'	02
03	223°41.80'	S 22°37.16'	149°36.21'	03
04	238°41.52'	S 22°36.88'	164°38.68'	04
05	253°41.24'	S 22°36.60'	179°41.14'	05
06	268°40.96'	S 22°36.32'	194°43.60'	06
07	283°40.68'	S 22°36.04'	209°46.07'	07
08	298°40.40'	S 22°35.76'	224°48.53'	08
09	313°40.13'	S 22°35.48'	239°51.00'	09
10	328°39.85'	S 22°35.19'	254°53.46'	10
11	343°39.57'	S 22°34.91'	269°55.93'	11
12	358°39.29'	S 22°34.63'	284°58.39'	12
13	13°39.01'	S 22°34.34'	300°00.85'	13
14	28°38.73'	S 22°34.05'	315°03.32'	14
15	43°38.46'	S 22°33.77'	330°05.78'	15
16	58°38.18'	S 22°33.48'	345°08.25'	16
17	73°37.90'	S 22°33.19'	0°10.71'	17
18	88°37.62'	S 22°32.90'	15°13.17'	18
19	103°37.35'	S 22°32.61'	30°15.64'	19
20	118°37.07'	S 22°32.32'	45°18.10'	20
21	133°36.79'	S 22°32.03'	60°20.57'	21
22	148°36.52'	S 22°31.74'	75°23.03'	22
23	163°36.24'	S 22°31.45'	90°25.50'	23
24	178°35.96'	S 22°31.15'	105°27.96'	24
½Ø 16.2718'		p.h. (π) 0.1500'		
EoT at 12 UT -5m23s				

**7 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°29.40'	S 22°23.88'	106°27.10'	00
01	193°29.13'	S 22°23.57'	121°29.56'	01
02	208°28.86'	S 22°23.25'	136°32.03'	02
03	223°28.59'	S 22°22.94'	151°34.49'	03
04	238°28.32'	S 22°22.62'	166°36.95'	04
05	253°28.05'	S 22°22.31'	181°39.42'	05
06	268°27.78'	S 22°21.99'	196°41.88'	06
07	283°27.51'	S 22°21.67'	211°44.35'	07
08	298°27.24'	S 22°21.35'	226°46.81'	08
09	313°26.97'	S 22°21.04'	241°49.28'	09
10	328°26.70'	S 22°20.72'	256°51.74'	10
11	343°26.43'	S 22°20.40'	271°54.20'	11
12	358°26.16'	S 22°20.07'	286°56.67'	12
13	13°25.89'	S 22°19.75'	301°59.13'	13
14	28°25.63'	S 22°19.43'	317°01.60'	14
15	43°25.36'	S 22°19.11'	332°04.06'	15
16	58°25.09'	S 22°18.78'	347°06.52'	16
17	73°24.82'	S 22°18.46'	2°08.99'	17
18	88°24.56'	S 22°18.13'	17°11.45'	18
19	103°24.29'	S 22°17.80'	32°13.92'	19
20	118°24.02'	S 22°17.48'	47°16.38'	20
21	133°23.76'	S 22°17.15'	62°18.84'	21
22	148°23.49'	S 22°16.82'	77°21.31'	22
23	163°23.22'	S 22°16.49'	92°23.77'	23
24	178°22.96'	S 22°16.16'	107°26.24'	24
½Ø 16.2713'		p.h. (π) 0.1500'		
EoT at 12 UT -6m15s				

**6 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°35.96'	S 22°31.15'	105°27.96'	00
01	193°35.69'	S 22°30.86'	120°30.42'	01
02	208°35.41'	S 22°30.56'	135°32.89'	02
03	223°35.14'	S 22°30.27'	150°35.35'	03
04	238°34.86'	S 22°29.97'	165°37.82'	04
05	253°34.59'	S 22°29.67'	180°40.28'	05
06	268°34.31'	S 22°29.38'	195°42.74'	06
07	283°34.04'	S 22°29.08'	210°45.21'	07
08	298°33.76'	S 22°28.78'	225°47.67'	08
09	313°33.49'	S 22°28.48'	240°50.14'	09
10	328°33.22'	S 22°28.18'	255°52.60'	10
11	343°32.94'	S 22°27.87'	270°55.06'	11
12	358°32.67'	S 22°27.57'	285°57.53'	12
13	13°32.39'	S 22°27.27'	300°59.99'	13
14	28°32.12'	S 22°26.96'	316°02.46'	14
15	43°31.85'	S 22°26.66'	331°04.92'	15
16	58°31.58'	S 22°26.35'	346°07.39'	16
17	73°31.30'	S 22°26.05'	1°09.85'	17
18	88°31.03'	S 22°25.74'	16°12.31'	18
19	103°30.76'	S 22°25.43'	31°14.78'	19
20	118°30.49'	S 22°25.12'	46°17.24'	20
21	133°30.21'	S 22°24.81'	61°19.71'	21
22	148°29.94'	S 22°24.50'	76°22.17'	22
23	163°29.67'	S 22°24.19'	91°24.63'	23
24	178°29.40'	S 22°23.88'	106°27.10'	24
½Ø 16.2715'		p.h. (π) 0.1500'		
EoT at 12 UT - 5m49s				

**8 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°22.96'	S 22°16.16'	107°26.24'	00
01	193°22.69'	S 22°15.83'	122°28.70'	01
02	208°22.43'	S 22°15.50'	137°31.17'	02
03	223°22.16'	S 22°15.17'	152°33.63'	03
04	238°21.90'	S 22°14.83'	167°36.09'	04
05	253°21.63'	S 22°14.50'	182°38.56'	05
06	268°21.37'	S 22°14.16'	197°41.02'	06
07	283°21.10'	S 22°13.83'	212°43.49'	07
08	298°20.84'	S 22°13.49'	227°45.95'	08
09	313°20.57'	S 22°13.15'	242°48.41'	09
10	328°20.31'	S 22°12.82'	257°50.88'	10
11	343°20.05'	S 22°12.48'	272°53.34'	11
12	358°19.78'	S 22°12.14'	287°55.81'	12
13	13°19.52'	S 22°11.80'	302°58.27'	13
14	28°19.26'	S 22°11.46'	318°00.73'	14
15	43°18.99'	S 22°11.12'	333°03.20'	15
16	58°18.73'	S 22°10.77'	348°05.66'	16
17	73°18.47'	S 22°10.43'	3°08.13'	17
18	88°18.21'	S 22°10.09'	18°10.59'	18
19	103°17.95'	S 22°09.74'	33°13.06'	19
20	118°17.68'	S 22°09.40'	48°15.52'	20
21	133°17.42'	S 22°09.05'	63°17.98'	21
22	148°17.16'	S 22°08.70'	78°20.45'	22
23	163°16.90'	S 22°08.35'	93°22.91'	23
24	178°16.64'	S 22°08.01'	108°25.38'	24
½Ø 16.2709'		p.h. (π) 0.1500'		
EoT at 12 UT -6m41s				

**9 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°16.64'	S 22°08.01'	108°25.38'	00
01	193°16.38'	S 22°07.66'	123°27.84'	01
02	208°16.12'	S 22°07.31'	138°30.30'	02
03	223°15.86'	S 22°06.96'	153°32.77'	03
04	238°15.60'	S 22°06.60'	168°35.23'	04
05	253°15.34'	S 22°06.25'	183°37.70'	05
06	268°15.08'	S 22°05.90'	198°40.16'	06
07	283°14.82'	S 22°05.55'	213°42.62'	07
08	298°14.56'	S 22°05.19'	228°45.09'	08
09	313°14.31'	S 22°04.84'	243°47.55'	09
10	328°14.05'	S 22°04.48'	258°50.02'	10
11	343°13.79'	S 22°04.12'	273°52.48'	11
12	358°13.53'	S 22°03.77'	288°54.95'	12
13	13°13.27'	S 22°03.41'	303°57.41'	13
14	28°13.02'	S 22°03.05'	318°59.87'	14
15	43°12.76'	S 22°02.69'	334°02.34'	15
16	58°12.50'	S 22°02.33'	349°04.80'	16
17	73°12.25'	S 22°01.97'	4°07.27'	17
18	88°11.99'	S 22°01.61'	19°09.73'	18
19	103°11.73'	S 22°01.24'	34°12.19'	19
20	118°11.48'	S 22°00.88'	49°14.66'	20
21	133°11.22'	S 22°00.51'	64°17.12'	21
22	148°10.97'	S 22°00.15'	79°19.59'	22
23	163°10.71'	S 21°59.78'	94°22.05'	23
24	178°10.46'	S 21°59.42'	109°24.51'	24
½Ø 16.2704'		p.h. (π) 0.1500'		
EoT at 12 UT -7m6s				

**11 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°04.41'	S 21°50.40'	110°23.65'	00
01	193°04.16'	S 21°50.02'	125°26.12'	01
02	208°03.91'	S 21°49.63'	140°28.58'	02
03	223°03.67'	S 21°49.24'	155°31.05'	03
04	238°03.42'	S 21°48.86'	170°33.51'	04
05	253°03.17'	S 21°48.47'	185°35.97'	05
06	268°02.92'	S 21°48.08'	200°38.44'	06
07	283°02.68'	S 21°47.69'	215°40.90'	07
08	298°02.43'	S 21°47.30'	230°43.37'	08
09	313°02.18'	S 21°46.91'	245°45.83'	09
10	328°01.94'	S 21°46.52'	260°48.29'	10
11	343°01.69'	S 21°46.12'	275°50.76'	11
12	358°01.44'	S 21°45.73'	290°53.22'	12
13	13°01.20'	S 21°45.34'	305°55.69'	13
14	28°00.95'	S 21°44.94'	320°58.15'	14
15	43°00.71'	S 21°44.55'	336°00.62'	15
16	58°00.46'	S 21°44.15'	351°03.08'	16
17	73°00.22'	S 21°43.75'	6°05.54'	17
18	87°59.97'	S 21°43.36'	21°08.01'	18
19	102°59.73'	S 21°42.96'	36°10.47'	19
20	117°59.49'	S 21°42.56'	51°12.94'	20
21	132°59.24'	S 21°42.16'	66°15.40'	21
22	147°59.00'	S 21°41.76'	81°17.86'	22
23	162°58.76'	S 21°41.36'	96°20.33'	23
24	177°58.51'	S 21°40.96'	111°22.79'	24
½Ø 16.2693'		p.h. (π) 0.1500'		
EoT at 12 UT -7m54s				

**10 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°10.46'	S 21°59.42'	109°24.51'	00
01	193°10.20'	S 21°59.05'	124°26.98'	01
02	208°09.95'	S 21°58.68'	139°29.44'	02
03	223°09.69'	S 21°58.31'	154°31.91'	03
04	238°09.44'	S 21°57.94'	169°34.37'	04
05	253°09.19'	S 21°57.57'	184°36.84'	05
06	268°08.93'	S 21°57.20'	199°39.30'	06
07	283°08.68'	S 21°56.83'	214°41.76'	07
08	298°08.43'	S 21°56.46'	229°44.23'	08
09	313°08.17'	S 21°56.09'	244°46.69'	09
10	328°07.92'	S 21°55.71'	259°49.16'	10
11	343°07.67'	S 21°55.34'	274°51.62'	11
12	358°07.42'	S 21°54.96'	289°54.08'	12
13	13°07.16'	S 21°54.59'	304°56.55'	13
14	28°06.91'	S 21°54.21'	319°59.01'	14
15	43°06.66'	S 21°53.83'	335°01.48'	15
16	58°06.41'	S 21°53.45'	350°03.94'	16
17	73°06.16'	S 21°53.07'	5°06.40'	17
18	88°05.91'	S 21°52.69'	20°08.87'	18
19	103°05.66'	S 21°52.31'	35°11.33'	19
20	118°05.41'	S 21°51.93'	50°13.80'	20
21	133°05.16'	S 21°51.55'	65°16.26'	21
22	148°04.91'	S 21°51.17'	80°18.73'	22
23	163°04.66'	S 21°50.78'	95°21.19'	23
24	178°04.41'	S 21°50.40'	110°23.65'	24
½Ø 16.2699'		p.h. (π) 0.1500'		
EoT at 12 UT -7m30s				

**12 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°58.51'	S 21°40.96'	111°22.79'	00
01	192°58.27'	S 21°40.55'	126°25.26'	01
02	207°58.03'	S 21°40.15'	141°27.72'	02
03	222°57.79'	S 21°39.75'	156°30.18'	03
04	237°57.54'	S 21°39.34'	171°32.65'	04
05	252°57.30'	S 21°38.94'	186°35.11'	05
06	267°57.06'	S 21°38.53'	201°37.58'	06
07	282°56.82'	S 21°38.12'	216°40.04'	07
08	297°56.58'	S 21°37.72'	231°42.51'	08
09	312°56.34'	S 21°37.31'	246°44.97'	09
10	327°56.10'	S 21°36.90'	261°47.43'	10
11	342°55.86'	S 21°36.49'	276°49.90'	11
12	357°55.62'	S 21°36.08'	291°52.36'	12
13	12°55.38'	S 21°35.67'	306°54.83'	13
14	27°55.14'	S 21°35.25'	321°57.29'	14
15	42°54.90'	S 21°34.84'	336°59.75'	15
16	57°54.66'	S 21°34.43'	352°02.22'	16
17	72°54.42'	S 21°34.01'	7°04.68'	17
18	87°54.19'	S 21°33.60'	22°07.15'	18
19	102°53.95'	S 21°33.18'	37°09.61'	19
20	117°53.71'	S 21°32.77'	52°12.07'	20
21	132°53.47'	S 21°32.35'	67°14.54'	21
22	147°53.24'	S 21°31.93'	82°17.00'	22
23	162°53.00'	S 21°31.51'	97°19.47'	23
24	177°52.76'	S 21°31.09'	112°21.93'	24
½Ø 16.2686'		p.h. (π) 0.1500'		
EoT at 12 UT -8m18s				

**13 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°52.76'	S 21°31.09'	112°21.93'	00
01	192°52.53'	S 21°30.67'	127°24.40'	01
02	207°52.29'	S 21°30.25'	142°26.86'	02
03	222°52.06'	S 21°29.83'	157°29.32'	03
04	237°51.82'	S 21°29.41'	172°31.79'	04
05	252°51.59'	S 21°28.99'	187°34.25'	05
06	267°51.35'	S 21°28.56'	202°36.72'	06
07	282°51.12'	S 21°28.14'	217°39.18'	07
08	297°50.88'	S 21°27.71'	232°41.64'	08
09	312°50.65'	S 21°27.29'	247°44.11'	09
10	327°50.41'	S 21°26.86'	262°46.57'	10
11	342°50.18'	S 21°26.43'	277°49.04'	11
12	357°49.95'	S 21°26.01'	292°51.50'	12
13	12°49.71'	S 21°25.58'	307°53.96'	13
14	27°49.48'	S 21°25.15'	322°56.43'	14
15	42°49.25'	S 21°24.72'	337°58.89'	15
16	57°49.02'	S 21°24.29'	353°01.36'	16
17	72°48.79'	S 21°23.85'	8°03.82'	17
18	87°48.55'	S 21°23.42'	23°06.29'	18
19	102°48.32'	S 21°22.99'	38°08.75'	19
20	117°48.09'	S 21°22.56'	53°11.21'	20
21	132°47.86'	S 21°22.12'	68°13.68'	21
22	147°47.63'	S 21°21.69'	83°16.14'	22
23	162°47.40'	S 21°21.25'	98°18.61'	23
24	177°47.17'	S 21°20.81'	113°21.07'	24
½Ø 16.2678'		p.h. (π) 0.1500'		
EoT at 12 UT -8m40s				

**15 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°41.74'	S 21°10.12'	114°20.21'	00
01	192°41.52'	S 21°09.67'	129°22.67'	01
02	207°41.29'	S 21°09.21'	144°25.14'	02
03	222°41.07'	S 21°08.76'	159°27.60'	03
04	237°40.85'	S 21°08.30'	174°30.07'	04
05	252°40.63'	S 21°07.84'	189°32.53'	05
06	267°40.41'	S 21°07.39'	204°34.99'	06
07	282°40.19'	S 21°06.93'	219°37.46'	07
08	297°39.97'	S 21°06.47'	234°39.92'	08
09	312°39.74'	S 21°06.01'	249°42.39'	09
10	327°39.52'	S 21°05.55'	264°44.85'	10
11	342°39.30'	S 21°05.09'	279°47.31'	11
12	357°39.09'	S 21°04.63'	294°49.78'	12
13	12°38.87'	S 21°04.16'	309°52.24'	13
14	27°38.65'	S 21°03.70'	324°54.71'	14
15	42°38.43'	S 21°03.24'	339°57.17'	15
16	57°38.21'	S 21°02.77'	354°59.63'	16
17	72°37.99'	S 21°02.30'	10°02.10'	17
18	87°37.77'	S 21°01.84'	25°04.56'	18
19	102°37.56'	S 21°01.37'	40°07.03'	19
20	117°37.34'	S 21°00.90'	55°09.49'	20
21	132°37.12'	S 21°00.44'	70°11.96'	21
22	147°36.91'	S 20°59.97'	85°14.42'	22
23	162°36.69'	S 20°59.50'	100°16.88'	23
24	177°36.47'	S 20°59.03'	115°19.35'	24
½Ø 16.2659'		p.h. (π) 0.1500'		
EoT at 12 UT -9m24s				

**14 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°47.17'	S 21°20.81'	113°21.07'	00
01	192°46.94'	S 21°20.38'	128°23.53'	01
02	207°46.71'	S 21°19.94'	143°26.00'	02
03	222°46.48'	S 21°19.50'	158°28.46'	03
04	237°46.25'	S 21°19.06'	173°30.93'	04
05	252°46.03'	S 21°18.62'	188°33.39'	05
06	267°45.80'	S 21°18.18'	203°35.85'	06
07	282°45.57'	S 21°17.74'	218°38.32'	07
08	297°45.34'	S 21°17.30'	233°40.78'	08
09	312°45.11'	S 21°16.85'	248°43.25'	09
10	327°44.89'	S 21°16.41'	263°45.71'	10
11	342°44.66'	S 21°15.96'	278°48.18'	11
12	357°44.43'	S 21°15.52'	293°50.64'	12
13	12°44.21'	S 21°15.07'	308°53.10'	13
14	27°43.98'	S 21°14.63'	323°55.57'	14
15	42°43.76'	S 21°14.18'	338°58.03'	15
16	57°43.53'	S 21°13.73'	354°00.50'	16
17	72°43.31'	S 21°13.28'	9°02.96'	17
18	87°43.08'	S 21°12.83'	24°05.42'	18
19	102°42.86'	S 21°12.38'	39°07.89'	19
20	117°42.63'	S 21°11.93'	54°10.35'	20
21	132°42.41'	S 21°11.48'	69°12.82'	21
22	147°42.19'	S 21°11.03'	84°15.28'	22
23	162°41.96'	S 21°10.58'	99°17.74'	23
24	177°41.74'	S 21°10.12'	114°20.21'	24
½Ø 16.2669'		p.h. (π) 0.1500'		
EoT at 12 UT -9m2s				

**16 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°36.47'	S 20°59.03'	115°19.35'	00
01	192°36.26'	S 20°58.56'	130°21.81'	01
02	207°36.04'	S 20°58.08'	145°24.28'	02
03	222°35.83'	S 20°57.61'	160°26.74'	03
04	237°35.61'	S 20°57.14'	175°29.20'	04
05	252°35.40'	S 20°56.66'	190°31.67'	05
06	267°35.18'	S 20°56.19'	205°34.13'	06
07	282°34.97'	S 20°55.71'	220°36.60'	07
08	297°34.76'	S 20°55.24'	235°39.06'	08
09	312°34.54'	S 20°54.76'	250°41.52'	09
10	327°34.33'	S 20°54.28'	265°43.99'	10
11	342°34.12'	S 20°53.81'	280°46.45'	11
12	357°33.90'	S 20°53.33'	295°48.92'	12
13	12°33.69'	S 20°52.85'	310°51.38'	13
14	27°33.48'	S 20°52.37'	325°53.85'	14
15	42°33.27'	S 20°51.89'	340°56.31'	15
16	57°33.06'	S 20°51.41'	355°58.77'	16
17	72°32.85'	S 20°50.92'	11°01.24'	17
18	87°32.64'	S 20°50.44'	26°03.70'	18
19	102°32.42'	S 20°49.96'	41°06.17'	19
20	117°32.21'	S 20°49.47'	56°08.63'	20
21	132°32.01'	S 20°48.99'	71°11.09'	21
22	147°31.80'	S 20°48.50'	86°13.56'	22
23	162°31.59'	S 20°48.02'	101°16.02'	23
24	177°31.38'	S 20°47.53'	116°18.49'	24
½Ø 16.2649'		p.h. (π) 0.1500'		
EoT at 12 UT -9m44s				

**17 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°31.38'	S 20°47.53'	116°18.49'	00
01	192°31.17'	S 20°47.04'	131°20.95'	01
02	207°30.96'	S 20°46.55'	146°23.41'	02
03	222°30.75'	S 20°46.06'	161°25.88'	03
04	237°30.55'	S 20°45.57'	176°28.34'	04
05	252°30.34'	S 20°45.08'	191°30.81'	05
06	267°30.13'	S 20°44.59'	206°33.27'	06
07	282°29.92'	S 20°44.10'	221°35.74'	07
08	297°29.72'	S 20°43.61'	236°38.20'	08
09	312°29.51'	S 20°43.12'	251°40.66'	09
10	327°29.31'	S 20°42.62'	266°43.13'	10
11	342°29.10'	S 20°42.13'	281°45.59'	11
12	357°28.90'	S 20°41.63'	296°48.06'	12
13	12°28.69'	S 20°41.14'	311°50.52'	13
14	27°28.49'	S 20°40.64'	326°52.98'	14
15	42°28.28'	S 20°40.14'	341°55.45'	15
16	57°28.08'	S 20°39.64'	356°57.91'	16
17	72°27.87'	S 20°39.15'	12°00.38'	17
18	87°27.67'	S 20°38.65'	27°02.84'	18
19	102°27.47'	S 20°38.15'	42°05.30'	19
20	117°27.26'	S 20°37.65'	57°07.77'	20
21	132°27.06'	S 20°37.14'	72°10.23'	21
22	147°26.86'	S 20°36.64'	87°12.70'	22
23	162°26.66'	S 20°36.14'	102°15.16'	23
24	177°26.46'	S 20°35.64'	117°17.63'	24
½Ø 16.2638'		p.h. (π) 0.1500'		
EoT at 12 UT -10m4s				

**19 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°21.71'	S 20°23.35'	118°16.76'	00
01	192°21.52'	S 20°22.83'	133°19.23'	01
02	207°21.33'	S 20°22.31'	148°21.69'	02
03	222°21.13'	S 20°21.79'	163°24.16'	03
04	237°20.94'	S 20°21.27'	178°26.62'	04
05	252°20.75'	S 20°20.75'	193°29.08'	05
06	267°20.56'	S 20°20.22'	208°31.55'	06
07	282°20.37'	S 20°19.70'	223°34.01'	07
08	297°20.17'	S 20°19.17'	238°36.48'	08
09	312°19.98'	S 20°18.65'	253°38.94'	09
10	327°19.79'	S 20°18.12'	268°41.41'	10
11	342°19.60'	S 20°17.59'	283°43.87'	11
12	357°19.41'	S 20°17.07'	298°46.33'	12
13	12°19.22'	S 20°16.54'	313°48.80'	13
14	27°19.03'	S 20°16.01'	328°51.26'	14
15	42°18.84'	S 20°15.48'	343°53.73'	15
16	57°18.65'	S 20°14.95'	358°56.19'	16
17	72°18.46'	S 20°14.42'	13°58.65'	17
18	87°18.28'	S 20°13.89'	29°01.12'	18
19	102°18.09'	S 20°13.36'	44°03.58'	19
20	117°17.90'	S 20°12.82'	59°06.05'	20
21	132°17.71'	S 20°12.29'	74°08.51'	21
22	147°17.53'	S 20°11.75'	89°10.97'	22
23	162°17.34'	S 20°11.22'	104°13.44'	23
24	177°17.15'	S 20°10.68'	119°15.90'	24
½Ø 16.2613'		p.h. (π) 0.1500'		
EoT at 12 UT -10m42s				

**18 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°26.46'	S 20°35.64'	117°17.63'	00
01	192°26.26'	S 20°35.13'	132°20.09'	01
02	207°26.05'	S 20°34.63'	147°22.55'	02
03	222°25.85'	S 20°34.12'	162°25.02'	03
04	237°25.65'	S 20°33.62'	177°27.48'	04
05	252°25.45'	S 20°33.11'	192°29.95'	05
06	267°25.25'	S 20°32.60'	207°32.41'	06
07	282°25.05'	S 20°32.09'	222°34.87'	07
08	297°24.86'	S 20°31.58'	237°37.34'	08
09	312°24.66'	S 20°31.08'	252°39.80'	09
10	327°24.46'	S 20°30.57'	267°42.27'	10
11	342°24.26'	S 20°30.05'	282°44.73'	11
12	357°24.06'	S 20°29.54'	297°47.19'	12
13	12°23.87'	S 20°29.03'	312°49.66'	13
14	27°23.67'	S 20°28.52'	327°52.12'	14
15	42°23.47'	S 20°28.00'	342°54.59'	15
16	57°23.27'	S 20°27.49'	357°57.05'	16
17	72°23.08'	S 20°26.98'	12°59.52'	17
18	87°22.88'	S 20°26.46'	28°01.98'	18
19	102°22.69'	S 20°25.94'	43°04.44'	19
20	117°22.49'	S 20°25.43'	58°06.91'	20
21	132°22.30'	S 20°24.91'	73°09.37'	21
22	147°22.10'	S 20°24.39'	88°11.84'	22
23	162°21.91'	S 20°23.87'	103°14.30'	23
24	177°21.71'	S 20°23.35'	118°16.76'	24
½Ø 16.2626'		p.h. (π) 0.1500'		
EoT at 12 UT -10m24s				

**20 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°17.15'	S 20°10.68'	119°15.90'	00
01	192°16.97'	S 20°10.15'	134°18.37'	01
02	207°16.78'	S 20°09.61'	149°20.83'	02
03	222°16.60'	S 20°09.07'	164°23.30'	03
04	237°16.41'	S 20°08.54'	179°25.76'	04
05	252°16.23'	S 20°08.00'	194°28.22'	05
06	267°16.04'	S 20°07.46'	209°30.69'	06
07	282°15.86'	S 20°06.92'	224°33.15'	07
08	297°15.67'	S 20°06.38'	239°35.62'	08
09	312°15.49'	S 20°05.84'	254°38.08'	09
10	327°15.31'	S 20°05.29'	269°40.54'	10
11	342°15.13'	S 20°04.75'	284°43.01'	11
12	357°14.94'	S 20°04.21'	299°45.47'	12
13	12°14.76'	S 20°03.66'	314°47.94'	13
14	27°14.58'	S 20°03.12'	329°50.40'	14
15	42°14.40'	S 20°02.57'	344°52.86'	15
16	57°14.22'	S 20°02.03'	359°55.33'	16
17	72°14.04'	S 20°01.48'	14°57.79'	17
18	87°13.85'	S 20°00.93'	30°00.26'	18
19	102°13.67'	S 20°00.39'	45°02.72'	19
20	117°13.49'	S 19°59.84'	60°05.19'	20
21	132°13.32'	S 19°59.29'	75°07.65'	21
22	147°13.14'	S 19°58.74'	90°10.11'	22
23	162°12.96'	S 19°58.19'	105°12.58'	23
24	177°12.78'	S 19°57.64'	120°15.04'	24
½Ø 16.2599'		p.h. (π) 0.1500'		
EoT at 12 UT -11m0s				

**21 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°12.78'	S 19°57.64'	120°15.04'	00
01	192°12.60'	S 19°57.09'	135°17.51'	01
02	207°12.42'	S 19°56.53'	150°19.97'	02
03	222°12.25'	S 19°55.98'	165°22.43'	03
04	237°12.07'	S 19°55.43'	180°24.90'	04
05	252°11.89'	S 19°54.87'	195°27.36'	05
06	267°11.71'	S 19°54.32'	210°29.83'	06
07	282°11.54'	S 19°53.76'	225°32.29'	07
08	297°11.36'	S 19°53.21'	240°34.75'	08
09	312°11.19'	S 19°52.65'	255°37.22'	09
10	327°11.01'	S 19°52.09'	270°39.68'	10
11	342°10.84'	S 19°51.53'	285°42.15'	11
12	357°10.66'	S 19°50.97'	300°44.61'	12
13	12°10.49'	S 19°50.41'	315°47.08'	13
14	27°10.31'	S 19°49.85'	330°49.54'	14
15	42°10.14'	S 19°49.29'	345°52.00'	15
16	57°09.97'	S 19°48.73'	0°54.47'	16
17	72°09.79'	S 19°48.17'	15°56.93'	17
18	87°09.62'	S 19°47.61'	30°59.40'	18
19	102°09.45'	S 19°47.04'	46°01.86'	19
20	117°09.28'	S 19°46.48'	61°04.32'	20
21	132°09.11'	S 19°45.92'	76°06.79'	21
22	147°08.93'	S 19°45.35'	91°09.25'	22
23	162°08.76'	S 19°44.78'	106°11.72'	23
24	177°08.59'	S 19°44.22'	121°14.18'	24
½Ø 16.2585'		p.h. (π) 0.1500'		
EoT at 12 UT -11m17s				

**23 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°04.60'	S 19°30.43'	122°13.32'	00
01	192°04.44'	S 19°29.85'	137°15.78'	01
02	207°04.27'	S 19°29.27'	152°18.25'	02
03	222°04.11'	S 19°28.68'	167°20.71'	03
04	237°03.95'	S 19°28.10'	182°23.18'	04
05	252°03.79'	S 19°27.51'	197°25.64'	05
06	267°03.63'	S 19°26.93'	212°28.10'	06
07	282°03.47'	S 19°26.34'	227°30.57'	07
08	297°03.31'	S 19°25.75'	242°33.03'	08
09	312°03.15'	S 19°25.17'	257°35.50'	09
10	327°02.99'	S 19°24.58'	272°37.96'	10
11	342°02.83'	S 19°23.99'	287°40.42'	11
12	357°02.67'	S 19°23.40'	302°42.89'	12
13	12°02.51'	S 19°22.81'	317°45.35'	13
14	27°02.36'	S 19°22.22'	332°47.82'	14
15	42°02.20'	S 19°21.63'	347°50.28'	15
16	57°02.04'	S 19°21.04'	2°52.75'	16
17	72°01.88'	S 19°20.45'	17°55.21'	17
18	87°01.73'	S 19°19.85'	32°57.67'	18
19	102°01.57'	S 19°19.26'	48°00.14'	19
20	117°01.42'	S 19°18.67'	63°02.60'	20
21	132°01.26'	S 19°18.07'	78°05.07'	21
22	147°01.11'	S 19°17.48'	93°07.53'	22
23	162°00.95'	S 19°16.88'	108°09.99'	23
24	177°00.80'	S 19°16.28'	123°12.46'	24
½Ø 16.2554'		p.h. (π) 0.1500'		
EoT at 12 UT -11m49s				

**22 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°08.59'	S 19°44.22'	121°14.18'	00
01	192°08.42'	S 19°43.65'	136°16.64'	01
02	207°08.25'	S 19°43.08'	151°19.11'	02
03	222°08.08'	S 19°42.51'	166°21.57'	03
04	237°07.91'	S 19°41.95'	181°24.04'	04
05	252°07.74'	S 19°41.38'	196°26.50'	05
06	267°07.58'	S 19°40.81'	211°28.97'	06
07	282°07.41'	S 19°40.23'	226°31.43'	07
08	297°07.24'	S 19°39.66'	241°33.89'	08
09	312°07.07'	S 19°39.09'	256°36.36'	09
10	327°06.90'	S 19°38.52'	271°38.82'	10
11	342°06.74'	S 19°37.94'	286°41.29'	11
12	357°06.57'	S 19°37.37'	301°43.75'	12
13	12°06.40'	S 19°36.80'	316°46.21'	13
14	27°06.24'	S 19°36.22'	331°48.68'	14
15	42°06.07'	S 19°35.64'	346°51.14'	15
16	57°05.91'	S 19°35.07'	1°53.61'	16
17	72°05.74'	S 19°34.49'	16°56.07'	17
18	87°05.58'	S 19°33.91'	31°58.53'	18
19	102°05.41'	S 19°33.33'	47°01.00'	19
20	117°05.25'	S 19°32.75'	62°03.46'	20
21	132°05.09'	S 19°32.17'	77°05.93'	21
22	147°04.92'	S 19°31.59'	92°08.39'	22
23	162°04.76'	S 19°31.01'	107°10.86'	23
24	177°04.60'	S 19°30.43'	122°13.32'	24
½Ø 16.2570'		p.h. (π) 0.1500'		
EoT at 12 UT -11m34s				

**24 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°00.80'	S 19°16.28'	123°12.46'	00
01	192°00.64'	S 19°15.69'	138°14.92'	01
02	207°00.49'	S 19°15.09'	153°17.39'	02
03	222°00.33'	S 19°14.49'	168°19.85'	03
04	237°00.18'	S 19°13.89'	183°22.31'	04
05	252°00.03'	S 19°13.29'	198°24.78'	05
06	266°59.88'	S 19°12.69'	213°27.24'	06
07	281°59.72'	S 19°12.09'	228°29.71'	07
08	296°59.57'	S 19°11.49'	243°32.17'	08
09	311°59.42'	S 19°10.89'	258°34.64'	09
10	326°59.27'	S 19°10.28'	273°37.10'	10
11	341°59.12'	S 19°09.68'	288°39.56'	11
12	356°58.97'	S 19°09.08'	303°42.03'	12
13	11°58.82'	S 19°08.47'	318°44.49'	13
14	26°58.67'	S 19°07.87'	333°46.96'	14
15	41°58.52'	S 19°07.26'	348°49.42'	15
16	56°58.37'	S 19°06.65'	3°51.88'	16
17	71°58.22'	S 19°06.05'	18°54.35'	17
18	86°58.07'	S 19°05.44'	33°56.81'	18
19	101°57.93'	S 19°04.83'	48°59.28'	19
20	116°57.78'	S 19°04.22'	64°01.74'	20
21	131°57.63'	S 19°03.61'	79°04.20'	21
22	146°57.48'	S 19°03.00'	94°06.67'	22
23	161°57.34'	S 19°02.39'	109°09.13'	23
24	176°57.19'	S 19°01.78'	124°11.60'	24
½Ø 16.2537'		p.h. (π) 0.1500'		
EoT at 12 UT -12m4s				

**25 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°57.19'	S 19°01.78'	124°11.60'	00
01	191°57.05'	S 19°01.17'	139°14.06'	01
02	206°56.90'	S 19°00.56'	154°16.53'	02
03	221°56.75'	S 18°59.94'	169°18.99'	03
04	236°56.61'	S 18°59.33'	184°21.45'	04
05	251°56.46'	S 18°58.71'	199°23.92'	05
06	266°56.32'	S 18°58.10'	214°26.38'	06
07	281°56.18'	S 18°57.48'	229°28.85'	07
08	296°56.03'	S 18°56.87'	244°31.31'	08
09	311°55.89'	S 18°56.25'	259°33.77'	09
10	326°55.75'	S 18°55.63'	274°36.24'	10
11	341°55.60'	S 18°55.02'	289°38.70'	11
12	356°55.46'	S 18°54.40'	304°41.17'	12
13	11°55.32'	S 18°53.78'	319°43.63'	13
14	26°55.18'	S 18°53.16'	334°46.09'	14
15	41°55.04'	S 18°52.54'	349°48.56'	15
16	56°54.90'	S 18°51.92'	4°51.02'	16
17	71°54.76'	S 18°51.30'	19°53.49'	17
18	86°54.62'	S 18°50.67'	34°55.95'	18
19	101°54.48'	S 18°50.05'	49°58.42'	19
20	116°54.34'	S 18°49.43'	65°00.88'	20
21	131°54.20'	S 18°48.80'	80°03.34'	21
22	146°54.06'	S 18°48.18'	95°05.81'	22
23	161°53.92'	S 18°47.55'	110°08.27'	23
24	176°53.78'	S 18°46.93'	125°10.74'	24
½Ø 16.2519'		p.h. (π) 0.1500'		
EoT at 12 UT -12m18s				

**27 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°50.58'	S 18°31.73'	126°09.87'	00
01	191°50.45'	S 18°31.09'	141°12.34'	01
02	206°50.32'	S 18°30.45'	156°14.80'	02
03	221°50.19'	S 18°29.81'	171°17.27'	03
04	236°50.06'	S 18°29.17'	186°19.73'	04
05	251°49.93'	S 18°28.53'	201°22.20'	05
06	266°49.81'	S 18°27.88'	216°24.66'	06
07	281°49.68'	S 18°27.24'	231°27.12'	07
08	296°49.55'	S 18°26.59'	246°29.59'	08
09	311°49.43'	S 18°25.95'	261°32.05'	09
10	326°49.30'	S 18°25.30'	276°34.52'	10
11	341°49.17'	S 18°24.66'	291°36.98'	11
12	356°49.05'	S 18°24.01'	306°39.44'	12
13	11°48.92'	S 18°23.36'	321°41.91'	13
14	26°48.80'	S 18°22.72'	336°44.37'	14
15	41°48.67'	S 18°22.07'	351°46.84'	15
16	56°48.55'	S 18°21.42'	6°49.30'	16
17	71°48.43'	S 18°20.77'	21°51.76'	17
18	86°48.30'	S 18°20.12'	36°54.23'	18
19	101°48.18'	S 18°19.47'	51°56.69'	19
20	116°48.06'	S 18°18.82'	66°59.16'	20
21	131°47.94'	S 18°18.16'	82°01.62'	21
22	146°47.81'	S 18°17.51'	97°04.09'	22
23	161°47.69'	S 18°16.86'	112°06.55'	23
24	176°47.57'	S 18°16.20'	127°09.01'	24
½Ø 16.2482'		p.h. (π) 0.1500'		
EoT at 12 UT -12m44s				

**26 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°53.78'	S 18°46.93'	125°10.74'	00
01	191°53.65'	S 18°46.30'	140°13.20'	01
02	206°53.51'	S 18°45.68'	155°15.66'	02
03	221°53.37'	S 18°45.05'	170°18.13'	03
04	236°53.24'	S 18°44.42'	185°20.59'	04
05	251°53.10'	S 18°43.79'	200°23.06'	05
06	266°52.96'	S 18°43.16'	215°25.52'	06
07	281°52.83'	S 18°42.53'	230°27.98'	07
08	296°52.69'	S 18°41.90'	245°30.45'	08
09	311°52.56'	S 18°41.27'	260°32.91'	09
10	326°52.42'	S 18°40.64'	275°35.38'	10
11	341°52.29'	S 18°40.01'	290°37.84'	11
12	356°52.16'	S 18°39.37'	305°40.31'	12
13	11°52.02'	S 18°38.74'	320°42.77'	13
14	26°51.89'	S 18°38.11'	335°45.23'	14
15	41°51.76'	S 18°37.47'	350°47.70'	15
16	56°51.62'	S 18°36.84'	5°50.16'	16
17	71°51.49'	S 18°36.20'	20°52.63'	17
18	86°51.36'	S 18°35.56'	35°55.09'	18
19	101°51.23'	S 18°34.93'	50°57.55'	19
20	116°51.10'	S 18°34.29'	66°00.02'	20
21	131°50.97'	S 18°33.65'	81°02.48'	21
22	146°50.84'	S 18°33.01'	96°04.95'	22
23	161°50.71'	S 18°32.37'	111°07.41'	23
24	176°50.58'	S 18°31.73'	126°09.87'	24
½Ø 16.2501'		p.h. (π) 0.1500'		
EoT at 12 UT -12m31s				

**28 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°47.57'	S 18°16.20'	127°09.01'	00
01	191°47.45'	S 18°15.55'	142°11.48'	01
02	206°47.33'	S 18°14.90'	157°13.94'	02
03	221°47.21'	S 18°14.24'	172°16.41'	03
04	236°47.09'	S 18°13.58'	187°18.87'	04
05	251°46.97'	S 18°12.93'	202°21.33'	05
06	266°46.85'	S 18°12.27'	217°23.80'	06
07	281°46.73'	S 18°11.61'	232°26.26'	07
08	296°46.61'	S 18°10.95'	247°28.73'	08
09	311°46.50'	S 18°10.30'	262°31.19'	09
10	326°46.38'	S 18°09.64'	277°33.65'	10
11	341°46.26'	S 18°08.98'	292°36.12'	11
12	356°46.14'	S 18°08.32'	307°38.58'	12
13	11°46.03'	S 18°07.65'	322°41.05'	13
14	26°45.91'	S 18°06.99'	337°43.51'	14
15	41°45.79'	S 18°06.33'	352°45.98'	15
16	56°45.68'	S 18°05.67'	7°48.44'	16
17	71°45.56'	S 18°05.00'	22°50.90'	17
18	86°45.45'	S 18°04.34'	37°53.37'	18
19	101°45.33'	S 18°03.68'	52°55.83'	19
20	116°45.22'	S 18°03.01'	67°58.30'	20
21	131°45.11'	S 18°02.35'	83°00.76'	21
22	146°44.99'	S 18°01.68'	98°03.22'	22
23	161°44.88'	S 18°01.01'	113°05.69'	23
24	176°44.77'	S 18°00.34'	128°08.15'	24
½Ø 16.2462'		p.h. (π) 0.1500'		
EoT at 12 UT -12m55s				



**29 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°44.77'	S 18°00.34'	128°08.15'	00
01	191°44.65'	S 17°59.68'	143°10.62'	01
02	206°44.54'	S 17°59.01'	158°13.08'	02
03	221°44.43'	S 17°58.34'	173°15.54'	03
04	236°44.32'	S 17°57.67'	188°18.01'	04
05	251°44.21'	S 17°57.00'	203°20.47'	05
06	266°44.10'	S 17°56.33'	218°22.94'	06
07	281°43.99'	S 17°55.66'	233°25.40'	07
08	296°43.88'	S 17°54.99'	248°27.87'	08
09	311°43.77'	S 17°54.31'	263°30.33'	09
10	326°43.66'	S 17°53.64'	278°32.79'	10
11	341°43.55'	S 17°52.97'	293°35.26'	11
12	356°43.44'	S 17°52.29'	308°37.72'	12
13	11°43.33'	S 17°51.62'	323°40.19'	13
14	26°43.22'	S 17°50.94'	338°42.65'	14
15	41°43.12'	S 17°50.27'	353°45.11'	15
16	56°43.01'	S 17°49.59'	8°47.58'	16
17	71°42.90'	S 17°48.92'	23°50.04'	17
18	86°42.80'	S 17°48.24'	38°52.51'	18
19	101°42.69'	S 17°47.56'	53°54.97'	19
20	116°42.58'	S 17°46.88'	68°57.43'	20
21	131°42.48'	S 17°46.20'	83°59.90'	21
22	146°42.37'	S 17°45.52'	99°02.36'	22
23	161°42.27'	S 17°44.84'	114°04.83'	23
24	176°42.17'	S 17°44.16'	129°07.29'	24
½Ø 16.2441'		p.h. (π) 0.1500'		
EoT at 12 UT -13m6s				

**30 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°42.17'	S 17°44.16'	129°07.29'	00
01	191°42.06'	S 17°43.48'	144°09.76'	01
02	206°41.96'	S 17°42.80'	159°12.22'	02
03	221°41.85'	S 17°42.12'	174°14.68'	03
04	236°41.75'	S 17°41.43'	189°17.15'	04
05	251°41.65'	S 17°40.75'	204°19.61'	05
06	266°41.55'	S 17°40.07'	219°22.08'	06
07	281°41.44'	S 17°39.38'	234°24.54'	07
08	296°41.34'	S 17°38.70'	249°27.00'	08
09	311°41.24'	S 17°38.01'	264°29.47'	09
10	326°41.14'	S 17°37.33'	279°31.93'	10
11	341°41.04'	S 17°36.64'	294°34.40'	11
12	356°40.94'	S 17°35.95'	309°36.86'	12
13	11°40.84'	S 17°35.26'	324°39.32'	13
14	26°40.74'	S 17°34.58'	339°41.79'	14
15	41°40.64'	S 17°33.89'	354°44.25'	15
16	56°40.54'	S 17°33.20'	9°46.72'	16
17	71°40.45'	S 17°32.51'	24°49.18'	17
18	86°40.35'	S 17°31.82'	39°51.65'	18
19	101°40.25'	S 17°31.13'	54°54.11'	19
20	116°40.15'	S 17°30.44'	69°56.57'	20
21	131°40.06'	S 17°29.74'	84°59.04'	21
22	146°39.96'	S 17°29.05'	100°01.50'	22
23	161°39.86'	S 17°28.36'	115°03.97'	23
24	176°39.77'	S 17°27.66'	130°06.43'	24
½Ø 16.2420'		p.h. (π) 0.1500'		
EoT at 12 UT -13m16s				

**31 janvier 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°39.77'	S 17°27.66'	130°06.43'	00
01	191°39.67'	S 17°26.97'	145°08.89'	01
02	206°39.58'	S 17°26.27'	160°11.36'	02
03	221°39.48'	S 17°25.58'	175°13.82'	03
04	236°39.39'	S 17°24.88'	190°16.29'	04
05	251°39.29'	S 17°24.19'	205°18.75'	05
06	266°39.20'	S 17°23.49'	220°21.21'	06
07	281°39.11'	S 17°22.79'	235°23.68'	07
08	296°39.01'	S 17°22.09'	250°26.14'	08
09	311°38.92'	S 17°21.40'	265°28.61'	09
10	326°38.83'	S 17°20.70'	280°31.07'	10
11	341°38.74'	S 17°20.00'	295°33.54'	11
12	356°38.65'	S 17°19.30'	310°36.00'	12
13	11°38.55'	S 17°18.60'	325°38.46'	13
14	26°38.46'	S 17°17.90'	340°40.93'	14
15	41°38.37'	S 17°17.19'	355°43.39'	15
16	56°38.28'	S 17°16.49'	10°45.86'	16
17	71°38.19'	S 17°15.79'	25°48.32'	17
18	86°38.10'	S 17°15.09'	40°50.78'	18
19	101°38.01'	S 17°14.38'	55°53.25'	19
20	116°37.93'	S 17°13.68'	70°55.71'	20
21	131°37.84'	S 17°12.97'	85°58.18'	21
22	146°37.75'	S 17°12.27'	101°00.64'	22
23	161°37.66'	S 17°11.56'	116°03.10'	23
24	176°37.57'	S 17°10.86'	131°05.57'	24
½Ø 16.2397'		p.h. (π) 0.1500'		
EoT at 12 UT -13m25s				

**1er février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°37.57'	S 17°10.86'	131°05.57'	00
01	191°37.49'	S 17°10.15'	146°08.03'	01
02	206°37.40'	S 17°09.44'	161°10.50'	02
03	221°37.31'	S 17°08.73'	176°12.96'	03
04	236°37.23'	S 17°08.02'	191°15.43'	04
05	251°37.14'	S 17°07.32'	206°17.89'	05
06	266°37.06'	S 17°06.61'	221°20.35'	06
07	281°36.97'	S 17°05.90'	236°22.82'	07
08	296°36.89'	S 17°05.18'	251°25.28'	08
09	311°36.80'	S 17°04.47'	266°27.75'	09
10	326°36.72'	S 17°03.76'	281°30.21'	10
11	341°36.64'	S 17°03.05'	296°32.67'	11
12	356°36.55'	S 17°02.34'	311°35.14'	12
13	11°36.47'	S 17°01.62'	326°37.60'	13
14	26°36.39'	S 17°00.91'	341°40.07'	14
15	41°36.31'	S 17°00.20'	356°42.53'	15
16	56°36.23'	S 16°59.48'	11°44.99'	16
17	71°36.14'	S 16°58.77'	26°47.46'	17
18	86°36.06'	S 16°58.05'	41°49.92'	18
19	101°35.98'	S 16°57.33'	56°52.39'	19
20	116°35.90'	S 16°56.62'	71°54.85'	20
21	131°35.82'	S 16°55.90'	86°57.32'	21
22	146°35.74'	S 16°55.18'	101°59.78'	22
23	161°35.66'	S 16°54.46'	117°02.24'	23
24	176°35.58'	S 16°53.74'	132°04.71'	24
½Ø 16.2375'		p.h. (π) 0.1500'		
EoT at 12 UT -13m34s				

**3 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°33.80'	S 16°36.34'	133°03.85'	00
01	191°33.73'	S 16°35.60'	148°06.31'	01
02	206°33.66'	S 16°34.87'	163°08.77'	02
03	221°33.59'	S 16°34.14'	178°11.24'	03
04	236°33.52'	S 16°33.41'	193°13.70'	04
05	251°33.45'	S 16°32.67'	208°16.17'	05
06	266°33.38'	S 16°31.94'	223°18.63'	06
07	281°33.32'	S 16°31.20'	238°21.10'	07
08	296°33.25'	S 16°30.47'	253°23.56'	08
09	311°33.18'	S 16°29.73'	268°26.02'	09
10	326°33.12'	S 16°29.00'	283°28.49'	10
11	341°33.05'	S 16°28.26'	298°30.95'	11
12	356°32.98'	S 16°27.52'	313°33.42'	12
13	11°32.92'	S 16°26.79'	328°35.88'	13
14	26°32.85'	S 16°26.05'	343°38.34'	14
15	41°32.79'	S 16°25.31'	358°40.81'	15
16	56°32.72'	S 16°24.57'	13°43.27'	16
17	71°32.66'	S 16°23.83'	28°45.74'	17
18	86°32.59'	S 16°23.09'	43°48.20'	18
19	101°32.53'	S 16°22.35'	58°50.67'	19
20	116°32.47'	S 16°21.61'	73°53.13'	20
21	131°32.40'	S 16°20.87'	88°55.59'	21
22	146°32.34'	S 16°20.12'	103°58.06'	22
23	161°32.28'	S 16°19.38'	119°00.52'	23
24	176°32.22'	S 16°18.64'	134°02.99'	24
½Ø 16.2327'		p.h. (π) 0.1500'		
EoT at 12 UT -13m48s				

**2 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°35.58'	S 16°53.74'	132°04.71'	00
01	191°35.51'	S 16°53.02'	147°07.17'	01
02	206°35.43'	S 16°52.30'	162°09.64'	02
03	221°35.35'	S 16°51.58'	177°12.10'	03
04	236°35.27'	S 16°50.86'	192°14.56'	04
05	251°35.20'	S 16°50.14'	207°17.03'	05
06	266°35.12'	S 16°49.42'	222°19.49'	06
07	281°35.04'	S 16°48.70'	237°21.96'	07
08	296°34.97'	S 16°47.97'	252°24.42'	08
09	311°34.89'	S 16°47.25'	267°26.88'	09
10	326°34.82'	S 16°46.53'	282°29.35'	10
11	341°34.74'	S 16°45.80'	297°31.81'	11
12	356°34.67'	S 16°45.08'	312°34.28'	12
13	11°34.59'	S 16°44.35'	327°36.74'	13
14	26°34.52'	S 16°43.62'	342°39.21'	14
15	41°34.44'	S 16°42.90'	357°41.67'	15
16	56°34.37'	S 16°42.17'	12°44.13'	16
17	71°34.30'	S 16°41.44'	27°46.60'	17
18	86°34.23'	S 16°40.72'	42°49.06'	18
19	101°34.15'	S 16°39.99'	57°51.53'	19
20	116°34.08'	S 16°39.26'	72°53.99'	20
21	131°34.01'	S 16°38.53'	87°56.45'	21
22	146°33.94'	S 16°37.80'	102°58.92'	22
23	161°33.87'	S 16°37.07'	118°01.38'	23
24	176°33.80'	S 16°36.34'	133°03.85'	24
½Ø 16.2351'		p.h. (π) 0.1500'		
EoT at 12 UT -13m41s				

**4 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°32.22'	S 16°18.64'	134°02.99'	00
01	191°32.16'	S 16°17.90'	149°05.45'	01
02	206°32.09'	S 16°17.15'	164°07.91'	02
03	221°32.03'	S 16°16.41'	179°10.38'	03
04	236°31.97'	S 16°15.66'	194°12.84'	04
05	251°31.91'	S 16°14.92'	209°15.31'	05
06	266°31.85'	S 16°14.17'	224°17.77'	06
07	281°31.79'	S 16°13.42'	239°20.23'	07
08	296°31.73'	S 16°12.68'	254°22.70'	08
09	311°31.68'	S 16°11.93'	269°25.16'	09
10	326°31.62'	S 16°11.18'	284°27.63'	10
11	341°31.56'	S 16°10.43'	299°30.09'	11
12	356°31.50'	S 16°09.68'	314°32.56'	12
13	11°31.44'	S 16°08.93'	329°35.02'	13
14	26°31.39'	S 16°08.18'	344°37.48'	14
15	41°31.33'	S 16°07.43'	359°39.95'	15
16	56°31.27'	S 16°06.68'	14°42.41'	16
17	71°31.22'	S 16°05.93'	29°44.88'	17
18	86°31.16'	S 16°05.18'	44°47.34'	18
19	101°31.11'	S 16°04.43'	59°49.80'	19
20	116°31.05'	S 16°03.67'	74°52.27'	20
21	131°31.00'	S 16°02.92'	89°54.73'	21
22	146°30.94'	S 16°02.17'	104°57.20'	22
23	161°30.89'	S 16°01.41'	119°59.66'	23
24	176°30.84'	S 16°00.66'	135°02.12'	24
½Ø 16.2302'		p.h. (π) 0.1500'		
EoT at 12 UT -13m54s				

**5 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°30.84'	S 16°00.66'	135°02.12'	00
01	191°30.78'	S 15°59.90'	150°04.59'	01
02	206°30.73'	S 15°59.15'	165°07.05'	02
03	221°30.68'	S 15°58.39'	180°09.52'	03
04	236°30.63'	S 15°57.64'	195°11.98'	04
05	251°30.58'	S 15°56.88'	210°14.45'	05
06	266°30.52'	S 15°56.12'	225°16.91'	06
07	281°30.47'	S 15°55.36'	240°19.37'	07
08	296°30.42'	S 15°54.60'	255°21.84'	08
09	311°30.37'	S 15°53.84'	270°24.30'	09
10	326°30.32'	S 15°53.09'	285°26.77'	10
11	341°30.27'	S 15°52.33'	300°29.23'	11
12	356°30.22'	S 15°51.57'	315°31.69'	12
13	11°30.17'	S 15°50.80'	330°34.16'	13
14	26°30.13'	S 15°50.04'	345°36.62'	14
15	41°30.08'	S 15°49.28'	0°39.09'	15
16	56°30.03'	S 15°48.52'	15°41.55'	16
17	71°29.98'	S 15°47.76'	30°44.01'	17
18	86°29.94'	S 15°46.99'	45°46.48'	18
19	101°29.89'	S 15°46.23'	60°48.94'	19
20	116°29.84'	S 15°45.46'	75°51.41'	20
21	131°29.80'	S 15°44.70'	90°53.87'	21
22	146°29.75'	S 15°43.93'	105°56.34'	22
23	161°29.70'	S 15°43.17'	120°58.80'	23
24	176°29.66'	S 15°42.40'	136°01.26'	24
½Ø 16.2276'		p.h. (π) 0.1500'		
EoT at 12 UT -13m59s				

**7 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°28.68'	S 15°23.88'	137°00.40'	00
01	191°28.65'	S 15°23.10'	152°02.87'	01
02	206°28.61'	S 15°22.32'	167°05.33'	02
03	221°28.57'	S 15°21.54'	182°07.79'	03
04	236°28.54'	S 15°20.77'	197°10.26'	04
05	251°28.50'	S 15°19.99'	212°12.72'	05
06	266°28.47'	S 15°19.21'	227°15.19'	06
07	281°28.44'	S 15°18.43'	242°17.65'	07
08	296°28.40'	S 15°17.65'	257°20.12'	08
09	311°28.37'	S 15°16.86'	272°22.58'	09
10	326°28.33'	S 15°16.08'	287°25.04'	10
11	341°28.30'	S 15°15.30'	302°27.51'	11
12	356°28.27'	S 15°14.52'	317°29.97'	12
13	11°28.24'	S 15°13.73'	332°32.44'	13
14	26°28.21'	S 15°12.95'	347°34.90'	14
15	41°28.17'	S 15°12.17'	2°37.36'	15
16	56°28.14'	S 15°11.38'	17°39.83'	16
17	71°28.11'	S 15°10.60'	32°42.29'	17
18	86°28.08'	S 15°09.81'	47°44.76'	18
19	101°28.05'	S 15°09.03'	62°47.22'	19
20	116°28.02'	S 15°08.24'	77°49.68'	20
21	131°27.99'	S 15°07.45'	92°52.15'	21
22	146°27.96'	S 15°06.67'	107°54.61'	22
23	161°27.93'	S 15°05.88'	122°57.08'	23
24	176°27.91'	S 15°05.09'	137°59.54'	24
½Ø 16.2222'		p.h. (π) 0.1500'		
EoT at 12 UT -14m7s				

**6 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°29.66'	S 15°42.40'	136°01.26'	00
01	191°29.61'	S 15°41.64'	151°03.73'	01
02	206°29.57'	S 15°40.87'	166°06.19'	02
03	221°29.53'	S 15°40.10'	181°08.66'	03
04	236°29.48'	S 15°39.33'	196°11.12'	04
05	251°29.44'	S 15°38.57'	211°13.58'	05
06	266°29.40'	S 15°37.80'	226°16.05'	06
07	281°29.35'	S 15°37.03'	241°18.51'	07
08	296°29.31'	S 15°36.26'	256°20.98'	08
09	311°29.27'	S 15°35.49'	271°23.44'	09
10	326°29.23'	S 15°34.72'	286°25.90'	10
11	341°29.19'	S 15°33.95'	301°28.37'	11
12	356°29.15'	S 15°33.17'	316°30.83'	12
13	11°29.11'	S 15°32.40'	331°33.30'	13
14	26°29.07'	S 15°31.63'	346°35.76'	14
15	41°29.03'	S 15°30.86'	1°38.23'	15
16	56°28.99'	S 15°30.08'	16°40.69'	16
17	71°28.95'	S 15°29.31'	31°43.15'	17
18	86°28.91'	S 15°28.53'	46°45.62'	18
19	101°28.87'	S 15°27.76'	61°48.08'	19
20	116°28.83'	S 15°26.98'	76°50.55'	20
21	131°28.79'	S 15°26.21'	91°53.01'	21
22	146°28.76'	S 15°25.43'	106°55.47'	22
23	161°28.72'	S 15°24.66'	121°57.94'	23
24	176°28.68'	S 15°23.88'	137°00.40'	24
½Ø 16.2249'		p.h. (π) 0.1500'		
EoT at 12 UT -14m3s				

**8 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°27.91'	S 15°05.09'	137°59.54'	00
01	191°27.88'	S 15°04.30'	153°02.01'	01
02	206°27.85'	S 15°03.52'	168°04.47'	02
03	221°27.82'	S 15°02.73'	183°06.93'	03
04	236°27.79'	S 15°01.94'	198°09.40'	04
05	251°27.77'	S 15°01.15'	213°11.86'	05
06	266°27.74'	S 15°00.36'	228°14.33'	06
07	281°27.72'	S 14°59.56'	243°16.79'	07
08	296°27.69'	S 14°58.77'	258°19.25'	08
09	311°27.66'	S 14°57.98'	273°21.72'	09
10	326°27.64'	S 14°57.19'	288°24.18'	10
11	341°27.62'	S 14°56.40'	303°26.65'	11
12	356°27.59'	S 14°55.60'	318°29.11'	12
13	11°27.57'	S 14°54.81'	333°31.57'	13
14	26°27.54'	S 14°54.02'	348°34.04'	14
15	41°27.52'	S 14°53.22'	3°36.50'	15
16	56°27.50'	S 14°52.43'	18°38.97'	16
17	71°27.47'	S 14°51.63'	33°41.43'	17
18	86°27.45'	S 14°50.83'	48°43.90'	18
19	101°27.43'	S 14°50.04'	63°46.36'	19
20	116°27.41'	S 14°49.24'	78°48.82'	20
21	131°27.39'	S 14°48.44'	93°51.29'	21
22	146°27.37'	S 14°47.65'	108°53.75'	22
23	161°27.35'	S 14°46.85'	123°56.22'	23
24	176°27.33'	S 14°46.05'	138°58.68'	24
½Ø 16.2195'		p.h. (π) 0.1500'		
EoT at 12 UT -14m10s				

**9 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°27.33'	S 14°46.05'	138°58.68'	00
01	191°27.31'	S 14°45.25'	154°01.14'	01
02	206°27.29'	S 14°44.45'	169°03.61'	02
03	221°27.27'	S 14°43.65'	184°06.07'	03
04	236°27.25'	S 14°42.85'	199°08.54'	04
05	251°27.23'	S 14°42.05'	214°11.00'	05
06	266°27.21'	S 14°41.25'	229°13.46'	06
07	281°27.19'	S 14°40.45'	244°15.93'	07
08	296°27.18'	S 14°39.65'	259°18.39'	08
09	311°27.16'	S 14°38.85'	274°20.86'	09
10	326°27.14'	S 14°38.04'	289°23.32'	10
11	341°27.13'	S 14°37.24'	304°25.79'	11
12	356°27.11'	S 14°36.44'	319°28.25'	12
13	11°27.09'	S 14°35.63'	334°30.71'	13
14	26°27.08'	S 14°34.83'	349°33.18'	14
15	41°27.06'	S 14°34.02'	4°35.64'	15
16	56°27.05'	S 14°33.22'	19°38.11'	16
17	71°27.03'	S 14°32.41'	34°40.57'	17
18	86°27.02'	S 14°31.61'	49°43.03'	18
19	101°27.01'	S 14°30.80'	64°45.50'	19
20	116°26.99'	S 14°29.99'	79°47.96'	20
21	131°26.98'	S 14°29.19'	94°50.43'	21
22	146°26.97'	S 14°28.38'	109°52.89'	22
23	161°26.95'	S 14°27.57'	124°55.35'	23
24	176°26.94'	S 14°26.76'	139°57.82'	24
½Ø 16.2166'		p.h. (π) 0.1500'		
EoT at 12 UT -14m12s				

**11 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°26.75'	S 14°07.23'	140°56.96'	00
01	191°26.75'	S 14°06.41'	155°59.42'	01
02	206°26.75'	S 14°05.59'	171°01.89'	02
03	221°26.74'	S 14°04.77'	186°04.35'	03
04	236°26.74'	S 14°03.95'	201°06.81'	04
05	251°26.74'	S 14°03.13'	216°09.28'	05
06	266°26.74'	S 14°02.31'	231°11.74'	06
07	281°26.73'	S 14°01.49'	246°14.21'	07
08	296°26.73'	S 14°00.67'	261°16.67'	08
09	311°26.73'	S 13°59.85'	276°19.13'	09
10	326°26.73'	S 13°59.02'	291°21.60'	10
11	341°26.73'	S 13°58.20'	306°24.06'	11
12	356°26.73'	S 13°57.38'	321°26.53'	12
13	11°26.73'	S 13°56.55'	336°28.99'	13
14	26°26.73'	S 13°55.73'	351°31.46'	14
15	41°26.73'	S 13°54.90'	6°33.92'	15
16	56°26.73'	S 13°54.08'	21°36.38'	16
17	71°26.73'	S 13°53.25'	36°38.85'	17
18	86°26.74'	S 13°52.43'	51°41.31'	18
19	101°26.74'	S 13°51.60'	66°43.78'	19
20	116°26.74'	S 13°50.78'	81°46.24'	20
21	131°26.74'	S 13°49.95'	96°48.70'	21
22	146°26.75'	S 13°49.12'	111°51.17'	22
23	161°26.75'	S 13°48.29'	126°53.63'	23
24	176°26.76'	S 13°47.47'	141°56.10'	24
½Ø 16.2107'		p.h. (π) 0.1500'		
EoT at 12 UT -14m13s				

**10 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°26.94'	S 14°26.76'	139°57.82'	00
01	191°26.93'	S 14°25.95'	155°00.28'	01
02	206°26.92'	S 14°25.14'	170°02.75'	02
03	221°26.91'	S 14°24.33'	185°05.21'	03
04	236°26.90'	S 14°23.52'	200°07.68'	04
05	251°26.89'	S 14°22.71'	215°10.14'	05
06	266°26.88'	S 14°21.90'	230°12.60'	06
07	281°26.87'	S 14°21.09'	245°15.07'	07
08	296°26.86'	S 14°20.28'	260°17.53'	08
09	311°26.85'	S 14°19.47'	275°20.00'	09
10	326°26.84'	S 14°18.65'	290°22.46'	10
11	341°26.83'	S 14°17.84'	305°24.92'	11
12	356°26.82'	S 14°17.03'	320°27.39'	12
13	11°26.82'	S 14°16.21'	335°29.85'	13
14	26°26.81'	S 14°15.40'	350°32.32'	14
15	41°26.80'	S 14°14.58'	5°34.78'	15
16	56°26.79'	S 14°13.77'	20°37.24'	16
17	71°26.79'	S 14°12.95'	35°39.71'	17
18	86°26.78'	S 14°12.14'	50°42.17'	18
19	101°26.78'	S 14°11.32'	65°44.64'	19
20	116°26.77'	S 14°10.50'	80°47.10'	20
21	131°26.77'	S 14°09.68'	95°49.57'	21
22	146°26.76'	S 14°08.87'	110°52.03'	22
23	161°26.76'	S 14°08.05'	125°54.49'	23
24	176°26.75'	S 14°07.23'	140°56.96'	24
½Ø 16.2137'		p.h. (π) 0.1500'		
EoT at 12 UT -14m13s				

**12 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°26.76'	S 13°47.47'	141°56.10'	00
01	191°26.76'	S 13°46.64'	156°58.56'	01
02	206°26.76'	S 13°45.81'	172°01.02'	02
03	221°26.77'	S 13°44.98'	187°03.49'	03
04	236°26.77'	S 13°44.15'	202°05.95'	04
05	251°26.78'	S 13°43.32'	217°08.42'	05
06	266°26.79'	S 13°42.49'	232°10.88'	06
07	281°26.79'	S 13°41.66'	247°13.35'	07
08	296°26.80'	S 13°40.83'	262°15.81'	08
09	311°26.81'	S 13°39.99'	277°18.27'	09
10	326°26.81'	S 13°39.16'	292°20.74'	10
11	341°26.82'	S 13°38.33'	307°23.20'	11
12	356°26.83'	S 13°37.50'	322°25.67'	12
13	11°26.84'	S 13°36.66'	337°28.13'	13
14	26°26.84'	S 13°35.83'	352°30.59'	14
15	41°26.85'	S 13°35.00'	7°33.06'	15
16	56°26.86'	S 13°34.16'	22°35.52'	16
17	71°26.87'	S 13°33.33'	37°37.99'	17
18	86°26.88'	S 13°32.49'	52°40.45'	18
19	101°26.89'	S 13°31.66'	67°42.91'	19
20	116°26.90'	S 13°30.82'	82°45.38'	20
21	131°26.91'	S 13°29.98'	97°47.84'	21
22	146°26.92'	S 13°29.15'	112°50.31'	22
23	161°26.94'	S 13°28.31'	127°52.77'	23
24	176°26.95'	S 13°27.47'	142°55.24'	24
½Ø 16.2077'		p.h. (π) 0.1500'		
EoT at 12 UT -14m13s				

**13 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°26.95'	S 13°27.47'	142°55.24'	00
01	191°26.96'	S 13°26.63'	157°57.70'	01
02	206°26.97'	S 13°25.80'	173°00.16'	02
03	221°26.98'	S 13°24.96'	188°02.63'	03
04	236°27.00'	S 13°24.12'	203°05.09'	04
05	251°27.01'	S 13°23.28'	218°07.56'	05
06	266°27.02'	S 13°22.44'	233°10.02'	06
07	281°27.04'	S 13°21.60'	248°12.48'	07
08	296°27.05'	S 13°20.76'	263°14.95'	08
09	311°27.07'	S 13°19.92'	278°17.41'	09
10	326°27.08'	S 13°19.08'	293°19.88'	10
11	341°27.10'	S 13°18.24'	308°22.34'	11
12	356°27.11'	S 13°17.39'	323°24.80'	12
13	11°27.13'	S 13°16.55'	338°27.27'	13
14	26°27.15'	S 13°15.71'	353°29.73'	14
15	41°27.16'	S 13°14.87'	8°32.20'	15
16	56°27.18'	S 13°14.02'	23°34.66'	16
17	71°27.20'	S 13°13.18'	38°37.13'	17
18	86°27.21'	S 13°12.33'	53°39.59'	18
19	101°27.23'	S 13°11.49'	68°42.05'	19
20	116°27.25'	S 13°10.64'	83°44.52'	20
21	131°27.27'	S 13°09.80'	98°46.98'	21
22	146°27.29'	S 13°08.95'	113°49.45'	22
23	161°27.31'	S 13°08.11'	128°51.91'	23
24	176°27.33'	S 13°07.26'	143°54.37'	24
½Ø 16.2046'		p.h. (π) 0.1500'		
EoT at 12 UT -14m12s				

**15 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°27.89'	S 12°46.83'	144°53.51'	00
01	191°27.92'	S 12°45.98'	159°55.98'	01
02	206°27.95'	S 12°45.12'	174°58.44'	02
03	221°27.97'	S 12°44.27'	190°00.91'	03
04	236°28.00'	S 12°43.41'	205°03.37'	04
05	251°28.03'	S 12°42.55'	220°05.83'	05
06	266°28.06'	S 12°41.69'	235°08.30'	06
07	281°28.09'	S 12°40.84'	250°10.76'	07
08	296°28.12'	S 12°39.98'	265°13.23'	08
09	311°28.15'	S 12°39.12'	280°15.69'	09
10	326°28.18'	S 12°38.26'	295°18.15'	10
11	341°28.21'	S 12°37.40'	310°20.62'	11
12	356°28.24'	S 12°36.54'	325°23.08'	12
13	11°28.27'	S 12°35.68'	340°25.55'	13
14	26°28.30'	S 12°34.82'	355°28.01'	14
15	41°28.34'	S 12°33.96'	10°30.47'	15
16	56°28.37'	S 12°33.10'	25°32.94'	16
17	71°28.40'	S 12°32.24'	40°35.40'	17
18	86°28.43'	S 12°31.38'	55°37.87'	18
19	101°28.47'	S 12°30.52'	70°40.33'	19
20	116°28.50'	S 12°29.65'	85°42.80'	20
21	131°28.53'	S 12°28.79'	100°45.26'	21
22	146°28.57'	S 12°27.93'	115°47.72'	22
23	161°28.60'	S 12°27.06'	130°50.19'	23
24	176°28.64'	S 12°26.20'	145°52.65'	24
½Ø 16.1982'		p.h. (π) 0.1500'		
EoT at 12 UT -14m7s				

**14 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°27.33'	S 13°07.26'	143°54.37'	00
01	191°27.35'	S 13°06.41'	158°56.84'	01
02	206°27.37'	S 13°05.57'	173°59.30'	02
03	221°27.39'	S 13°04.72'	189°01.77'	03
04	236°27.41'	S 13°03.87'	204°04.23'	04
05	251°27.43'	S 13°03.02'	219°06.69'	05
06	266°27.45'	S 13°02.17'	234°09.16'	06
07	281°27.47'	S 13°01.32'	249°11.62'	07
08	296°27.49'	S 13°00.47'	264°14.09'	08
09	311°27.52'	S 12°59.62'	279°16.55'	09
10	326°27.54'	S 12°58.77'	294°19.02'	10
11	341°27.56'	S 12°57.92'	309°21.48'	11
12	356°27.59'	S 12°57.07'	324°23.94'	12
13	11°27.61'	S 12°56.22'	339°26.41'	13
14	26°27.63'	S 12°55.37'	354°28.87'	14
15	41°27.66'	S 12°54.52'	9°31.34'	15
16	56°27.68'	S 12°53.67'	24°33.80'	16
17	71°27.71'	S 12°52.81'	39°36.26'	17
18	86°27.73'	S 12°51.96'	54°38.73'	18
19	101°27.76'	S 12°51.11'	69°41.19'	19
20	116°27.78'	S 12°50.25'	84°43.66'	20
21	131°27.81'	S 12°49.40'	99°46.12'	21
22	146°27.84'	S 12°48.54'	114°48.58'	22
23	161°27.86'	S 12°47.69'	129°51.05'	23
24	176°27.89'	S 12°46.83'	144°53.51'	24
½Ø 16.2014'		p.h. (π) 0.1500'		
EoT at 12 UT -14m10s				

**16 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°28.64'	S 12°26.20'	145°52.65'	00
01	191°28.67'	S 12°25.34'	160°55.12'	01
02	206°28.71'	S 12°24.47'	175°57.58'	02
03	221°28.74'	S 12°23.61'	191°00.04'	03
04	236°28.78'	S 12°22.74'	206°02.51'	04
05	251°28.81'	S 12°21.88'	221°04.97'	05
06	266°28.85'	S 12°21.01'	236°07.44'	06
07	281°28.89'	S 12°20.15'	251°09.90'	07
08	296°28.92'	S 12°19.28'	266°12.36'	08
09	311°28.96'	S 12°18.41'	281°14.83'	09
10	326°29.00'	S 12°17.54'	296°17.29'	10
11	341°29.04'	S 12°16.68'	311°19.76'	11
12	356°29.08'	S 12°15.81'	326°22.22'	12
13	11°29.12'	S 12°14.94'	341°24.69'	13
14	26°29.15'	S 12°14.07'	356°27.15'	14
15	41°29.19'	S 12°13.20'	11°29.61'	15
16	56°29.23'	S 12°12.33'	26°32.08'	16
17	71°29.27'	S 12°11.47'	41°34.54'	17
18	86°29.31'	S 12°10.60'	56°37.01'	18
19	101°29.35'	S 12°09.73'	71°39.47'	19
20	116°29.39'	S 12°08.85'	86°41.93'	20
21	131°29.44'	S 12°07.98'	101°44.40'	21
22	146°29.48'	S 12°07.11'	116°46.86'	22
23	161°29.52'	S 12°06.24'	131°49.33'	23
24	176°29.56'	S 12°05.37'	146°51.79'	24
½Ø 16.1949'		p.h. (π) 0.1500'		
EoT at 12 UT -14m4s				

**17 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°29.56'	S 12°05.37'	146°51.79'	00
01	191°29.60'	S 12°04.50'	161°54.25'	01
02	206°29.65'	S 12°03.62'	176°56.72'	02
03	221°29.69'	S 12°02.75'	191°59.18'	03
04	236°29.73'	S 12°01.88'	207°01.65'	04
05	251°29.78'	S 12°01.00'	222°04.11'	05
06	266°29.82'	S 12°00.13'	237°06.58'	06
07	281°29.86'	S 11°59.26'	252°09.04'	07
08	296°29.91'	S 11°58.38'	267°11.50'	08
09	311°29.95'	S 11°57.51'	282°13.97'	09
10	326°30.00'	S 11°56.63'	297°16.43'	10
11	341°30.04'	S 11°55.76'	312°18.90'	11
12	356°30.09'	S 11°54.88'	327°21.36'	12
13	11°30.13'	S 11°54.00'	342°23.82'	13
14	26°30.18'	S 11°53.13'	357°26.29'	14
15	41°30.23'	S 11°52.25'	12°28.75'	15
16	56°30.27'	S 11°51.37'	27°31.22'	16
17	71°30.32'	S 11°50.50'	42°33.68'	17
18	86°30.37'	S 11°49.62'	57°36.14'	18
19	101°30.42'	S 11°48.74'	72°38.61'	19
20	116°30.47'	S 11°47.86'	87°41.07'	20
21	131°30.51'	S 11°46.98'	102°43.54'	21
22	146°30.56'	S 11°46.10'	117°46.00'	22
23	161°30.61'	S 11°45.22'	132°48.47'	23
24	176°30.66'	S 11°44.34'	147°50.93'	24
½Ø 16.1916'		p.h. (π) 0.1500'		
EoT at 12 UT -13m60s				

**19 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°31.93'	S 11°23.13'	148°50.07'	00
01	191°31.99'	S 11°22.25'	163°52.53'	01
02	206°32.05'	S 11°21.36'	178°55.00'	02
03	221°32.10'	S 11°20.47'	193°57.46'	03
04	236°32.16'	S 11°19.58'	208°59.92'	04
05	251°32.22'	S 11°18.69'	224°02.39'	05
06	266°32.28'	S 11°17.80'	239°04.85'	06
07	281°32.34'	S 11°16.91'	254°07.32'	07
08	296°32.39'	S 11°16.02'	269°09.78'	08
09	311°32.45'	S 11°15.13'	284°12.25'	09
10	326°32.51'	S 11°14.24'	299°14.71'	10
11	341°32.57'	S 11°13.35'	314°17.17'	11
12	356°32.63'	S 11°12.46'	329°19.64'	12
13	11°32.69'	S 11°11.57'	344°22.10'	13
14	26°32.75'	S 11°10.68'	359°24.57'	14
15	41°32.81'	S 11°09.79'	14°27.03'	15
16	56°32.87'	S 11°08.89'	29°29.49'	16
17	71°32.94'	S 11°08.00'	44°31.96'	17
18	86°33.00'	S 11°07.11'	59°34.42'	18
19	101°33.06'	S 11°06.21'	74°36.89'	19
20	116°33.12'	S 11°05.32'	89°39.35'	20
21	131°33.18'	S 11°04.43'	104°41.81'	21
22	146°33.25'	S 11°03.53'	119°44.28'	22
23	161°33.31'	S 11°02.64'	134°46.74'	23
24	176°33.37'	S 11°01.74'	149°49.21'	24
½Ø 16.1848'		p.h. (π) 0.1500'		
EoT at 12 UT -13m49s				

**18 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°30.66'	S 11°44.34'	147°50.93'	00
01	191°30.71'	S 11°43.46'	162°53.39'	01
02	206°30.76'	S 11°42.58'	177°55.86'	02
03	221°30.81'	S 11°41.70'	192°58.32'	03
04	236°30.86'	S 11°40.82'	208°00.79'	04
05	251°30.91'	S 11°39.94'	223°03.25'	05
06	266°30.96'	S 11°39.06'	238°05.71'	06
07	281°31.01'	S 11°38.18'	253°08.18'	07
08	296°31.07'	S 11°37.29'	268°10.64'	08
09	311°31.12'	S 11°36.41'	283°13.11'	09
10	326°31.17'	S 11°35.53'	298°15.57'	10
11	341°31.22'	S 11°34.65'	313°18.03'	11
12	356°31.28'	S 11°33.76'	328°20.50'	12
13	11°31.33'	S 11°32.88'	343°22.96'	13
14	26°31.38'	S 11°31.99'	358°25.43'	14
15	41°31.44'	S 11°31.11'	13°27.89'	15
16	56°31.49'	S 11°30.22'	28°30.36'	16
17	71°31.54'	S 11°29.34'	43°32.82'	17
18	86°31.60'	S 11°28.45'	58°35.28'	18
19	101°31.65'	S 11°27.57'	73°37.75'	19
20	116°31.71'	S 11°26.68'	88°40.21'	20
21	131°31.76'	S 11°25.79'	103°42.68'	21
22	146°31.82'	S 11°24.91'	118°45.14'	22
23	161°31.88'	S 11°24.02'	133°47.60'	23
24	176°31.93'	S 11°23.13'	148°50.07'	24
½Ø 16.1882'		p.h. (π) 0.1500'		
EoT at 12 UT -13m55s				

**20 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°33.37'	S 11°01.74'	149°49.21'	00
01	191°33.44'	S 11°00.85'	164°51.67'	01
02	206°33.50'	S 10°59.95'	179°54.14'	02
03	221°33.57'	S 10°59.06'	194°56.60'	03
04	236°33.63'	S 10°58.16'	209°59.06'	04
05	251°33.69'	S 10°57.27'	225°01.53'	05
06	266°33.76'	S 10°56.37'	240°03.99'	06
07	281°33.82'	S 10°55.47'	255°06.46'	07
08	296°33.89'	S 10°54.58'	270°08.92'	08
09	311°33.96'	S 10°53.68'	285°11.38'	09
10	326°34.02'	S 10°52.78'	300°13.85'	10
11	341°34.09'	S 10°51.88'	315°16.31'	11
12	356°34.16'	S 10°50.98'	330°18.78'	12
13	11°34.22'	S 10°50.09'	345°21.24'	13
14	26°34.29'	S 10°49.19'	0°23.70'	14
15	41°34.36'	S 10°48.29'	15°26.17'	15
16	56°34.43'	S 10°47.39'	30°28.63'	16
17	71°34.49'	S 10°46.49'	45°31.10'	17
18	86°34.56'	S 10°45.59'	60°33.56'	18
19	101°34.63'	S 10°44.69'	75°36.03'	19
20	116°34.70'	S 10°43.79'	90°38.49'	20
21	131°34.77'	S 10°42.89'	105°40.95'	21
22	146°34.84'	S 10°41.99'	120°43.42'	22
23	161°34.91'	S 10°41.08'	135°45.88'	23
24	176°34.98'	S 10°40.18'	150°48.35'	24
½Ø 16.1813'		p.h. (π) 0.1500'		
EoT at 12 UT -13m43s				

**21 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°34.98'	S 10°40.18'	150°48.35'	00
01	191°35.05'	S 10°39.28'	165°50.81'	01
02	206°35.12'	S 10°38.38'	180°53.27'	02
03	221°35.19'	S 10°37.48'	195°55.74'	03
04	236°35.26'	S 10°36.57'	210°58.20'	04
05	251°35.33'	S 10°35.67'	226°00.67'	05
06	266°35.41'	S 10°34.77'	241°03.13'	06
07	281°35.48'	S 10°33.86'	256°05.59'	07
08	296°35.55'	S 10°32.96'	271°08.06'	08
09	311°35.62'	S 10°32.05'	286°10.52'	09
10	326°35.70'	S 10°31.15'	301°12.99'	10
11	341°35.77'	S 10°30.24'	316°15.45'	11
12	356°35.84'	S 10°29.34'	331°17.92'	12
13	11°35.92'	S 10°28.43'	346°20.38'	13
14	26°35.99'	S 10°27.53'	1°22.84'	14
15	41°36.07'	S 10°26.62'	16°25.31'	15
16	56°36.14'	S 10°25.72'	31°27.77'	16
17	71°36.21'	S 10°24.81'	46°30.24'	17
18	86°36.29'	S 10°23.90'	61°32.70'	18
19	101°36.37'	S 10°23.00'	76°35.16'	19
20	116°36.44'	S 10°22.09'	91°37.63'	20
21	131°36.52'	S 10°21.18'	106°40.09'	21
22	146°36.59'	S 10°20.27'	121°42.56'	22
23	161°36.67'	S 10°19.36'	136°45.02'	23
24	176°36.75'	S 10°18.46'	151°47.48'	24
½Ø 16.1777'		p.h. (π) 0.1500'		
EoT at 12 UT -13m37s				

**23 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°38.67'	S 9°56.57'	152°46.62'	00
01	191°38.76'	S 9°55.66'	167°49.09'	01
02	206°38.84'	S 9°54.74'	182°51.55'	02
03	221°38.92'	S 9°53.82'	197°54.02'	03
04	236°39.01'	S 9°52.91'	212°56.48'	04
05	251°39.09'	S 9°51.99'	227°58.94'	05
06	266°39.18'	S 9°51.08'	243°01.41'	06
07	281°39.26'	S 9°50.16'	258°03.87'	07
08	296°39.35'	S 9°49.24'	273°06.34'	08
09	311°39.43'	S 9°48.32'	288°08.80'	09
10	326°39.52'	S 9°47.41'	303°11.26'	10
11	341°39.61'	S 9°46.49'	318°13.73'	11
12	356°39.69'	S 9°45.57'	333°16.19'	12
13	11°39.78'	S 9°44.65'	348°18.66'	13
14	26°39.87'	S 9°43.73'	3°21.12'	14
15	41°39.95'	S 9°42.81'	18°23.59'	15
16	56°40.04'	S 9°41.90'	33°26.05'	16
17	71°40.13'	S 9°40.98'	48°28.51'	17
18	86°40.22'	S 9°40.06'	63°30.98'	18
19	101°40.31'	S 9°39.14'	78°33.44'	19
20	116°40.39'	S 9°38.22'	93°35.91'	20
21	131°40.48'	S 9°37.30'	108°38.37'	21
22	146°40.57'	S 9°36.38'	123°40.83'	22
23	161°40.66'	S 9°35.46'	138°43.30'	23
24	176°40.75'	S 9°34.53'	153°45.76'	24
½Ø 16.1704'		p.h. (π) 0.1500'		
EoT at 12 UT -13m21s				

**22 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°36.75'	S 10°18.46'	151°47.48'	00
01	191°36.82'	S 10°17.55'	166°49.95'	01
02	206°36.90'	S 10°16.64'	181°52.41'	02
03	221°36.98'	S 10°15.73'	196°54.88'	03
04	236°37.06'	S 10°14.82'	211°57.34'	04
05	251°37.14'	S 10°13.91'	226°59.81'	05
06	266°37.21'	S 10°13.00'	242°02.27'	06
07	281°37.29'	S 10°12.09'	257°04.73'	07
08	296°37.37'	S 10°11.18'	272°07.20'	08
09	311°37.45'	S 10°10.27'	287°09.66'	09
10	326°37.53'	S 10°09.36'	302°12.13'	10
11	341°37.61'	S 10°08.44'	317°14.59'	11
12	356°37.69'	S 10°07.53'	332°17.05'	12
13	11°37.77'	S 10°06.62'	347°19.52'	13
14	26°37.85'	S 10°05.71'	2°21.98'	14
15	41°37.93'	S 10°04.80'	17°24.45'	15
16	56°38.01'	S 10°03.88'	32°26.91'	16
17	71°38.09'	S 10°02.97'	47°29.37'	17
18	86°38.18'	S 10°02.06'	62°31.84'	18
19	101°38.26'	S 10°01.14'	77°34.30'	19
20	116°38.34'	S 10°00.23'	92°36.77'	20
21	131°38.42'	S 9°59.31'	107°39.23'	21
22	146°38.51'	S 9°58.40'	122°41.70'	22
23	161°38.59'	S 9°57.49'	137°44.16'	23
24	176°38.67'	S 9°56.57'	152°46.62'	24
½Ø 16.1741'		p.h. (π) 0.1500'		
EoT at 12 UT -13m29s				

**24 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°40.75'	S 9°34.53'	153°45.76'	00
01	191°40.84'	S 9°33.61'	168°48.23'	01
02	206°40.93'	S 9°32.69'	183°50.69'	02
03	221°41.02'	S 9°31.77'	198°53.15'	03
04	236°41.11'	S 9°30.85'	213°55.62'	04
05	251°41.20'	S 9°29.92'	228°58.08'	05
06	266°41.29'	S 9°29.00'	244°00.55'	06
07	281°41.39'	S 9°28.08'	259°03.01'	07
08	296°41.48'	S 9°27.16'	274°05.48'	08
09	311°41.57'	S 9°26.23'	289°07.94'	09
10	326°41.66'	S 9°25.31'	304°10.40'	10
11	341°41.75'	S 9°24.38'	319°12.87'	11
12	356°41.85'	S 9°23.46'	334°15.33'	12
13	11°41.94'	S 9°22.54'	349°17.80'	13
14	26°42.03'	S 9°21.61'	4°20.26'	14
15	41°42.13'	S 9°20.69'	19°22.72'	15
16	56°42.22'	S 9°19.76'	34°25.19'	16
17	71°42.31'	S 9°18.84'	49°27.65'	17
18	86°42.41'	S 9°17.91'	64°30.12'	18
19	101°42.50'	S 9°16.99'	79°32.58'	19
20	116°42.60'	S 9°16.06'	94°35.04'	20
21	131°42.69'	S 9°15.13'	109°37.51'	21
22	146°42.79'	S 9°14.21'	124°39.97'	22
23	161°42.88'	S 9°13.28'	139°42.44'	23
24	176°42.98'	S 9°12.35'	154°44.90'	24
½Ø 16.1667'		p.h. (π) 0.1500'		
EoT at 12 UT -13m13s				

**25 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°42.98'	S 9°12.35'	154°44.90'	00
01	191°43.08'	S 9°11.43'	169°47.37'	01
02	206°43.17'	S 9°10.50'	184°49.83'	02
03	221°43.27'	S 9°09.57'	199°52.29'	03
04	236°43.37'	S 9°08.64'	214°54.76'	04
05	251°43.46'	S 9°07.71'	229°57.22'	05
06	266°43.56'	S 9°06.79'	244°59.69'	06
07	281°43.66'	S 9°05.86'	260°02.15'	07
08	296°43.76'	S 9°04.93'	275°04.61'	08
09	311°43.85'	S 9°04.00'	290°07.08'	09
10	326°43.95'	S 9°03.07'	305°09.54'	10
11	341°44.05'	S 9°02.14'	320°12.01'	11
12	356°44.15'	S 9°01.21'	335°14.47'	12
13	11°44.25'	S 9°00.28'	350°16.93'	13
14	26°44.35'	S 8°59.35'	5°19.40'	14
15	41°44.45'	S 8°58.42'	20°21.86'	15
16	56°44.55'	S 8°57.49'	35°24.33'	16
17	71°44.65'	S 8°56.56'	50°26.79'	17
18	86°44.75'	S 8°55.63'	65°29.26'	18
19	101°44.85'	S 8°54.69'	80°31.72'	19
20	116°44.95'	S 8°53.76'	95°34.18'	20
21	131°45.05'	S 8°52.83'	110°36.65'	21
22	146°45.15'	S 8°51.90'	125°39.11'	22
23	161°45.25'	S 8°50.97'	140°41.58'	23
24	176°45.35'	S 8°50.03'	155°44.04'	24
½Ø 16.1630'		p.h. (π) 0.1500'		
EoT at 12 UT -13m3s				

**27 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°47.87'	S 8°27.58'	156°43.18'	00
01	191°47.98'	S 8°26.64'	171°45.64'	01
02	206°48.09'	S 8°25.71'	186°48.11'	02
03	221°48.19'	S 8°24.77'	201°50.57'	03
04	236°48.30'	S 8°23.83'	216°53.04'	04
05	251°48.41'	S 8°22.89'	231°55.50'	05
06	266°48.52'	S 8°21.95'	246°57.96'	06
07	281°48.63'	S 8°21.01'	262°00.43'	07
08	296°48.74'	S 8°20.07'	277°02.89'	08
09	311°48.85'	S 8°19.13'	292°05.36'	09
10	326°48.96'	S 8°18.19'	307°07.82'	10
11	341°49.07'	S 8°17.25'	322°10.28'	11
12	356°49.18'	S 8°16.31'	337°12.75'	12
13	11°49.29'	S 8°15.37'	352°15.21'	13
14	26°49.40'	S 8°14.43'	7°17.68'	14
15	41°49.51'	S 8°13.49'	22°20.14'	15
16	56°49.62'	S 8°12.55'	37°22.60'	16
17	71°49.74'	S 8°11.60'	52°25.07'	17
18	86°49.85'	S 8°10.66'	67°27.53'	18
19	101°49.96'	S 8°09.72'	82°30.00'	19
20	116°50.07'	S 8°08.78'	97°32.46'	20
21	131°50.18'	S 8°07.84'	112°34.93'	21
22	146°50.30'	S 8°06.89'	127°37.39'	22
23	161°50.41'	S 8°05.95'	142°39.85'	23
24	176°50.52'	S 8°05.01'	157°42.32'	24
½Ø 16.1553'		p.h. (π) 0.1500'		
EoT at 12 UT -12m43s				

**26 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°45.35'	S 8°50.03'	155°44.04'	00
01	191°45.46'	S 8°49.10'	170°46.50'	01
02	206°45.56'	S 8°48.17'	185°48.97'	02
03	221°45.66'	S 8°47.23'	200°51.43'	03
04	236°45.76'	S 8°46.30'	215°53.90'	04
05	251°45.87'	S 8°45.37'	230°56.36'	05
06	266°45.97'	S 8°44.43'	245°58.82'	06
07	281°46.07'	S 8°43.50'	261°01.29'	07
08	296°46.18'	S 8°42.56'	276°03.75'	08
09	311°46.28'	S 8°41.63'	291°06.22'	09
10	326°46.39'	S 8°40.69'	306°08.68'	10
11	341°46.49'	S 8°39.76'	321°11.15'	11
12	356°46.60'	S 8°38.82'	336°13.61'	12
13	11°46.70'	S 8°37.89'	351°16.07'	13
14	26°46.81'	S 8°36.95'	6°18.54'	14
15	41°46.91'	S 8°36.02'	21°21.00'	15
16	56°47.02'	S 8°35.08'	36°23.47'	16
17	71°47.12'	S 8°34.14'	51°25.93'	17
18	86°47.23'	S 8°33.21'	66°28.39'	18
19	101°47.33'	S 8°32.27'	81°30.86'	19
20	116°47.44'	S 8°31.33'	96°33.32'	20
21	131°47.55'	S 8°30.40'	111°35.79'	21
22	146°47.66'	S 8°29.46'	126°38.25'	22
23	161°47.76'	S 8°28.52'	141°40.71'	23
24	176°47.87'	S 8°27.58'	156°43.18'	24
½Ø 16.1592'		p.h. (π) 0.1500'		
EoT at 12 UT -12m54s				

**28 février 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°50.52'	S 8°05.01'	157°42.32'	00
01	191°50.64'	S 8°04.06'	172°44.78'	01
02	206°50.75'	S 8°03.12'	187°47.25'	02
03	221°50.86'	S 8°02.18'	202°49.71'	03
04	236°50.98'	S 8°01.23'	217°52.17'	04
05	251°51.09'	S 8°00.29'	232°54.64'	05
06	266°51.21'	S 7°59.34'	247°57.10'	06
07	281°51.32'	S 7°58.40'	262°59.57'	07
08	296°51.44'	S 7°57.45'	278°02.03'	08
09	311°51.55'	S 7°56.51'	293°04.49'	09
10	326°51.67'	S 7°55.57'	308°06.96'	10
11	341°51.78'	S 7°54.62'	323°09.42'	11
12	356°51.90'	S 7°53.67'	338°11.89'	12
13	11°52.02'	S 7°52.73'	353°14.35'	13
14	26°52.13'	S 7°51.78'	8°16.82'	14
15	41°52.25'	S 7°50.84'	23°19.28'	15
16	56°52.37'	S 7°49.89'	38°21.74'	16
17	71°52.48'	S 7°48.94'	53°24.21'	17
18	86°52.60'	S 7°48.00'	68°26.67'	18
19	101°52.72'	S 7°47.05'	83°29.14'	19
20	116°52.84'	S 7°46.10'	98°31.60'	20
21	131°52.95'	S 7°45.16'	113°34.06'	21
22	146°53.07'	S 7°44.21'	128°36.53'	22
23	161°53.19'	S 7°43.26'	143°38.99'	23
24	176°53.31'	S 7°42.31'	158°41.46'	24
½Ø 16.1514'		p.h. (π) 0.1500'		
EoT at 12 UT -12m32s				



**1er mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°53.31'	S 7°42.31'	158°41.46'	00
01	191°53.43'	S 7°41.37'	173°43.92'	01
02	206°53.55'	S 7°40.42'	188°46.38'	02
03	221°53.67'	S 7°39.47'	203°48.85'	03
04	236°53.79'	S 7°38.52'	218°51.31'	04
05	251°53.91'	S 7°37.57'	233°53.78'	05
06	266°54.03'	S 7°36.62'	248°56.24'	06
07	281°54.15'	S 7°35.67'	263°58.71'	07
08	296°54.27'	S 7°34.72'	279°01.17'	08
09	311°54.39'	S 7°33.77'	294°03.63'	09
10	326°54.51'	S 7°32.82'	309°06.10'	10
11	341°54.63'	S 7°31.87'	324°08.56'	11
12	356°54.75'	S 7°30.92'	339°11.03'	12
13	11°54.87'	S 7°29.97'	354°13.49'	13
14	26°54.99'	S 7°29.02'	9°15.95'	14
15	41°55.12'	S 7°28.07'	24°18.42'	15
16	56°55.24'	S 7°27.12'	39°20.88'	16
17	71°55.36'	S 7°26.17'	54°23.35'	17
18	86°55.48'	S 7°25.22'	69°25.81'	18
19	101°55.61'	S 7°24.27'	84°28.27'	19
20	116°55.73'	S 7°23.32'	99°30.74'	20
21	131°55.85'	S 7°22.36'	114°33.20'	21
22	146°55.98'	S 7°21.41'	129°35.67'	22
23	161°56.10'	S 7°20.46'	144°38.13'	23
24	176°56.22'	S 7°19.51'	159°40.60'	24
½Ø 16.1475'		p.h. (π) 0.1500'		
EoT at 12 UT -12m21s				

**3 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°59.26'	S 6°56.60'	160°39.73'	00
01	191°59.39'	S 6°55.64'	175°42.20'	01
02	206°59.52'	S 6°54.69'	190°44.66'	02
03	221°59.65'	S 6°53.73'	205°47.13'	03
04	236°59.78'	S 6°52.77'	220°49.59'	04
05	251°59.91'	S 6°51.81'	235°52.05'	05
06	267°00.04'	S 6°50.86'	250°54.52'	06
07	282°00.17'	S 6°49.90'	265°56.98'	07
08	297°00.30'	S 6°48.94'	280°59.45'	08
09	312°00.43'	S 6°47.98'	296°01.91'	09
10	327°00.56'	S 6°47.02'	311°04.38'	10
11	342°00.69'	S 6°46.07'	326°06.84'	11
12	357°00.82'	S 6°45.11'	341°09.30'	12
13	12°00.96'	S 6°44.15'	356°11.77'	13
14	27°01.09'	S 6°43.19'	11°14.23'	14
15	42°01.22'	S 6°42.23'	26°16.70'	15
16	57°01.35'	S 6°41.27'	41°19.16'	16
17	72°01.48'	S 6°40.31'	56°21.62'	17
18	87°01.62'	S 6°39.35'	71°24.09'	18
19	102°01.75'	S 6°38.39'	86°26.55'	19
20	117°01.88'	S 6°37.43'	101°29.02'	20
21	132°02.02'	S 6°36.47'	116°31.48'	21
22	147°02.15'	S 6°35.51'	131°33.95'	22
23	162°02.28'	S 6°34.55'	146°36.41'	23
24	177°02.42'	S 6°33.59'	161°38.87'	24
½Ø 16.1395'		p.h. (π) 0.1500'		
EoT at 12 UT -11m57s				

**2 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	176°56.22'	S 7°19.51'	159°40.60'	00
01	191°56.35'	S 7°18.56'	174°43.06'	01
02	206°56.47'	S 7°17.60'	189°45.52'	02
03	221°56.60'	S 7°16.65'	204°47.99'	03
04	236°56.72'	S 7°15.70'	219°50.45'	04
05	251°56.85'	S 7°14.74'	234°52.92'	05
06	266°56.97'	S 7°13.79'	249°55.38'	06
07	281°57.10'	S 7°12.84'	264°57.84'	07
08	296°57.22'	S 7°11.88'	280°00.31'	08
09	311°57.35'	S 7°10.93'	295°02.77'	09
10	326°57.47'	S 7°09.98'	310°05.24'	10
11	341°57.60'	S 7°09.02'	325°07.70'	11
12	356°57.73'	S 7°08.07'	340°10.16'	12
13	11°57.85'	S 7°07.11'	355°12.63'	13
14	26°57.98'	S 7°06.16'	10°15.09'	14
15	41°58.11'	S 7°05.20'	25°17.56'	15
16	56°58.23'	S 7°04.25'	40°20.02'	16
17	71°58.36'	S 7°03.29'	55°22.49'	17
18	86°58.49'	S 7°02.34'	70°24.95'	18
19	101°58.62'	S 7°01.38'	85°27.41'	19
20	116°58.75'	S 7°00.42'	100°29.88'	20
21	131°58.87'	S 6°59.47'	115°32.34'	21
22	146°59.00'	S 6°58.51'	130°34.81'	22
23	161°59.13'	S 6°57.56'	145°37.27'	23
24	176°59.26'	S 6°56.60'	160°39.73'	24
½Ø 16.1435'		p.h. (π) 0.1500'		
EoT at 12 UT -12m9s				

**4 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°02.42'	S 6°33.59'	161°38.87'	00
01	192°02.55'	S 6°32.63'	176°41.34'	01
02	207°02.69'	S 6°31.67'	191°43.80'	02
03	222°02.82'	S 6°30.71'	206°46.27'	03
04	237°02.95'	S 6°29.75'	221°48.73'	04
05	252°03.09'	S 6°28.79'	236°51.19'	05
06	267°03.22'	S 6°27.82'	251°53.66'	06
07	282°03.36'	S 6°26.86'	266°56.12'	07
08	297°03.50'	S 6°25.90'	281°58.59'	08
09	312°03.63'	S 6°24.94'	297°01.05'	09
10	327°03.77'	S 6°23.98'	312°03.51'	10
11	342°03.90'	S 6°23.01'	327°05.98'	11
12	357°04.04'	S 6°22.05'	342°08.44'	12
13	12°04.18'	S 6°21.09'	357°10.91'	13
14	27°04.31'	S 6°20.13'	12°13.37'	14
15	42°04.45'	S 6°19.16'	27°15.84'	15
16	57°04.59'	S 6°18.20'	42°18.30'	16
17	72°04.72'	S 6°17.24'	57°20.76'	17
18	87°04.86'	S 6°16.27'	72°23.23'	18
19	102°05.00'	S 6°15.31'	87°25.69'	19
20	117°05.14'	S 6°14.35'	102°28.16'	20
21	132°05.27'	S 6°13.38'	117°30.62'	21
22	147°05.41'	S 6°12.42'	132°33.08'	22
23	162°05.55'	S 6°11.46'	147°35.55'	23
24	177°05.69'	S 6°10.49'	162°38.01'	24
½Ø 16.1354'		p.h. (π) 0.1500'		
EoT at 12 UT -11m44s				

**5 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	177°05.69'	S 6°10.49'	162°38.01'	00
01	192°05.83'	S 6°09.53'	177°40.48'	01
02	207°05.97'	S 6°08.56'	192°42.94'	02
03	222°06.11'	S 6°07.60'	207°45.40'	03
04	237°06.24'	S 6°06.63'	222°47.87'	04
05	252°06.38'	S 6°05.67'	237°50.33'	05
06	267°06.52'	S 6°04.70'	252°52.80'	06
07	282°06.66'	S 6°03.74'	267°55.26'	07
08	297°06.80'	S 6°02.77'	282°57.73'	08
09	312°06.94'	S 6°01.81'	298°00.19'	09
10	327°07.08'	S 6°00.84'	313°02.65'	10
11	342°07.22'	S 5°59.88'	328°05.12'	11
12	357°07.37'	S 5°58.91'	343°07.58'	12
13	12°07.51'	S 5°57.94'	358°10.05'	13
14	27°07.65'	S 5°56.98'	13°12.51'	14
15	42°07.79'	S 5°56.01'	28°14.97'	15
16	57°07.93'	S 5°55.04'	43°17.44'	16
17	72°08.07'	S 5°54.08'	58°19.90'	17
18	87°08.21'	S 5°53.11'	73°22.37'	18
19	102°08.36'	S 5°52.14'	88°24.83'	19
20	117°08.50'	S 5°51.18'	103°27.29'	20
21	132°08.64'	S 5°50.21'	118°29.76'	21
22	147°08.78'	S 5°49.24'	133°32.22'	22
23	162°08.93'	S 5°48.27'	148°34.69'	23
24	177°09.07'	S 5°47.31'	163°37.15'	24
½Ø 16.1313'		p.h. (π) 0.1500'		
EoT at 12 UT -11m31s				

**7 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°12.55'	S 5°24.04'	164°36.29'	00
01	192°12.70'	S 5°23.07'	179°38.75'	01
02	207°12.85'	S 5°22.10'	194°41.22'	02
03	222°13.00'	S 5°21.13'	209°43.68'	03
04	237°13.15'	S 5°20.16'	224°46.15'	04
05	252°13.29'	S 5°19.19'	239°48.61'	05
06	267°13.44'	S 5°18.22'	254°51.07'	06
07	282°13.59'	S 5°17.24'	269°53.54'	07
08	297°13.74'	S 5°16.27'	284°56.00'	08
09	312°13.89'	S 5°15.30'	299°58.47'	09
10	327°14.04'	S 5°14.33'	315°00.93'	10
11	342°14.19'	S 5°13.36'	330°03.40'	11
12	357°14.34'	S 5°12.38'	345°05.86'	12
13	12°14.48'	S 5°11.41'	0°08.32'	13
14	27°14.63'	S 5°10.44'	15°10.79'	14
15	42°14.78'	S 5°09.47'	30°13.25'	15
16	57°14.93'	S 5°08.49'	45°15.72'	16
17	72°15.08'	S 5°07.52'	60°18.18'	17
18	87°15.23'	S 5°06.55'	75°20.64'	18
19	102°15.39'	S 5°05.58'	90°23.11'	19
20	117°15.54'	S 5°04.60'	105°25.57'	20
21	132°15.69'	S 5°03.63'	120°28.04'	21
22	147°15.84'	S 5°02.66'	135°30.50'	22
23	162°15.99'	S 5°01.68'	150°32.96'	23
24	177°16.14'	S 5°00.71'	165°35.43'	24
½Ø 16.1230'		p.h. (π) 0.1500'		
EoT at 12 UT -11m3s				

**6 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°09.07'	S 5°47.31'	163°37.15'	00
01	192°09.21'	S 5°46.34'	178°39.62'	01
02	207°09.36'	S 5°45.37'	193°42.08'	02
03	222°09.50'	S 5°44.40'	208°44.54'	03
04	237°09.64'	S 5°43.44'	223°47.01'	04
05	252°09.79'	S 5°42.47'	238°49.47'	05
06	267°09.93'	S 5°41.50'	253°51.94'	06
07	282°10.08'	S 5°40.53'	268°54.40'	07
08	297°10.22'	S 5°39.56'	283°56.86'	08
09	312°10.36'	S 5°38.59'	298°59.33'	09
10	327°10.51'	S 5°37.62'	314°01.79'	10
11	342°10.65'	S 5°36.65'	329°04.26'	11
12	357°10.80'	S 5°35.68'	344°06.72'	12
13	12°10.94'	S 5°34.72'	359°09.18'	13
14	27°11.09'	S 5°33.75'	14°11.65'	14
15	42°11.24'	S 5°32.78'	29°14.11'	15
16	57°11.38'	S 5°31.81'	44°16.58'	16
17	72°11.53'	S 5°30.84'	59°19.04'	17
18	87°11.67'	S 5°29.87'	74°21.51'	18
19	102°11.82'	S 5°28.90'	89°23.97'	19
20	117°11.97'	S 5°27.93'	104°26.43'	20
21	132°12.11'	S 5°26.96'	119°28.90'	21
22	147°12.26'	S 5°25.99'	134°31.36'	22
23	162°12.41'	S 5°25.01'	149°33.83'	23
24	177°12.55'	S 5°24.04'	164°36.29'	24
½Ø 16.1272'		p.h. (π) 0.1500'		
EoT at 12 UT -11m17s				

**8 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°16.14'	S 5°00.71'	165°35.43'	00
01	192°16.29'	S 4°59.73'	180°37.89'	01
02	207°16.44'	S 4°58.76'	195°40.36'	02
03	222°16.60'	S 4°57.79'	210°42.82'	03
04	237°16.75'	S 4°56.81'	225°45.29'	04
05	252°16.90'	S 4°55.84'	240°47.75'	05
06	267°17.05'	S 4°54.86'	255°50.21'	06
07	282°17.20'	S 4°53.89'	270°52.68'	07
08	297°17.36'	S 4°52.92'	285°55.14'	08
09	312°17.51'	S 4°51.94'	300°57.61'	09
10	327°17.66'	S 4°50.97'	316°00.07'	10
11	342°17.82'	S 4°49.99'	331°02.53'	11
12	357°17.97'	S 4°49.02'	346°05.00'	12
13	12°18.12'	S 4°48.04'	1°07.46'	13
14	27°18.28'	S 4°47.07'	16°09.93'	14
15	42°18.43'	S 4°46.09'	31°12.39'	15
16	57°18.58'	S 4°45.11'	46°14.85'	16
17	72°18.74'	S 4°44.14'	61°17.32'	17
18	87°18.89'	S 4°43.16'	76°19.78'	18
19	102°19.05'	S 4°42.19'	91°22.25'	19
20	117°19.20'	S 4°41.21'	106°24.71'	20
21	132°19.36'	S 4°40.24'	121°27.18'	21
22	147°19.51'	S 4°39.26'	136°29.64'	22
23	162°19.67'	S 4°38.28'	151°32.10'	23
24	177°19.82'	S 4°37.31'	166°34.57'	24
½Ø 16.1188'		p.h. (π) 0.1500'		
EoT at 12 UT -10m48s				

**9 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°19.82'	S 4°37.31'	166°34.57'	00
01	192°19.98'	S 4°36.33'	181°37.03'	01
02	207°20.13'	S 4°35.35'	196°39.50'	02
03	222°20.29'	S 4°34.38'	211°41.96'	03
04	237°20.44'	S 4°33.40'	226°44.42'	04
05	252°20.60'	S 4°32.42'	241°46.89'	05
06	267°20.76'	S 4°31.45'	256°49.35'	06
07	282°20.91'	S 4°30.47'	271°51.82'	07
08	297°21.07'	S 4°29.49'	286°54.28'	08
09	312°21.22'	S 4°28.52'	301°56.74'	09
10	327°21.38'	S 4°27.54'	316°59.21'	10
11	342°21.54'	S 4°26.56'	332°01.67'	11
12	357°21.70'	S 4°25.58'	347°04.14'	12
13	12°21.85'	S 4°24.61'	2°06.60'	13
14	27°22.01'	S 4°23.63'	17°09.07'	14
15	42°22.17'	S 4°22.65'	32°11.53'	15
16	57°22.33'	S 4°21.67'	47°13.99'	16
17	72°22.48'	S 4°20.70'	62°16.46'	17
18	87°22.64'	S 4°19.72'	77°18.92'	18
19	102°22.80'	S 4°18.74'	92°21.39'	19
20	117°22.96'	S 4°17.76'	107°23.85'	20
21	132°23.12'	S 4°16.78'	122°26.31'	21
22	147°23.27'	S 4°15.80'	137°28.78'	22
23	162°23.43'	S 4°14.83'	152°31.24'	23
24	177°23.59'	S 4°13.85'	167°33.71'	24
½Ø 16.1146'		p.h. (π) 0.1500'		
EoT at 12 UT -10m33s				

**11 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°27.45'	S 3°50.33'	168°32.85'	00
01	192°27.61'	S 3°49.35'	183°35.31'	01
02	207°27.77'	S 3°48.37'	198°37.77'	02
03	222°27.94'	S 3°47.39'	213°40.24'	03
04	237°28.10'	S 3°46.41'	228°42.70'	04
05	252°28.26'	S 3°45.43'	243°45.17'	05
06	267°28.43'	S 3°44.45'	258°47.63'	06
07	282°28.59'	S 3°43.47'	273°50.09'	07
08	297°28.75'	S 3°42.48'	288°52.56'	08
09	312°28.92'	S 3°41.50'	303°55.02'	09
10	327°29.08'	S 3°40.52'	318°57.49'	10
11	342°29.24'	S 3°39.54'	333°59.95'	11
12	357°29.41'	S 3°38.56'	349°02.41'	12
13	12°29.57'	S 3°37.58'	4°04.88'	13
14	27°29.74'	S 3°36.59'	19°07.34'	14
15	42°29.90'	S 3°35.61'	34°09.81'	15
16	57°30.06'	S 3°34.63'	49°12.27'	16
17	72°30.23'	S 3°33.65'	64°14.74'	17
18	87°30.39'	S 3°32.67'	79°17.20'	18
19	102°30.56'	S 3°31.68'	94°19.66'	19
20	117°30.72'	S 3°30.70'	109°22.13'	20
21	132°30.89'	S 3°29.72'	124°24.59'	21
22	147°31.05'	S 3°28.74'	139°27.06'	22
23	162°31.22'	S 3°27.76'	154°29.52'	23
24	177°31.38'	S 3°26.77'	169°31.98'	24
½Ø 16.1060'		p.h. (π) 0.1500'		
EoT at 12 UT -10m2s				

**10 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°23.59'	S 4°13.85'	167°33.71'	00
01	192°23.75'	S 4°12.87'	182°36.17'	01
02	207°23.91'	S 4°11.89'	197°38.63'	02
03	222°24.07'	S 4°10.91'	212°41.10'	03
04	237°24.23'	S 4°09.93'	227°43.56'	04
05	252°24.39'	S 4°08.95'	242°46.03'	05
06	267°24.55'	S 4°07.97'	257°48.49'	06
07	282°24.71'	S 4°06.99'	272°50.96'	07
08	297°24.87'	S 4°06.01'	287°53.42'	08
09	312°25.03'	S 4°05.03'	302°55.88'	09
10	327°25.19'	S 4°04.06'	317°58.35'	10
11	342°25.35'	S 4°03.08'	333°00.81'	11
12	357°25.51'	S 4°02.10'	348°03.28'	12
13	12°25.67'	S 4°01.12'	3°05.74'	13
14	27°25.83'	S 4°00.14'	18°08.20'	14
15	42°25.99'	S 3°59.16'	33°10.67'	15
16	57°26.15'	S 3°58.18'	48°13.13'	16
17	72°26.32'	S 3°57.20'	63°15.60'	17
18	87°26.48'	S 3°56.22'	78°18.06'	18
19	102°26.64'	S 3°55.24'	93°20.52'	19
20	117°26.80'	S 3°54.26'	108°22.99'	20
21	132°26.96'	S 3°53.27'	123°25.45'	21
22	147°27.12'	S 3°52.29'	138°27.92'	22
23	162°27.29'	S 3°51.31'	153°30.38'	23
24	177°27.45'	S 3°50.33'	168°32.85'	24
½Ø 16.1103'		p.h. (π) 0.1500'		
EoT at 12 UT -10m18s				

**12 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°31.38'	S 3°26.77'	169°31.98'	00
01	192°31.55'	S 3°25.79'	184°34.45'	01
02	207°31.72'	S 3°24.81'	199°36.91'	02
03	222°31.88'	S 3°23.82'	214°39.38'	03
04	237°32.05'	S 3°22.84'	229°41.84'	04
05	252°32.21'	S 3°21.86'	244°44.30'	05
06	267°32.38'	S 3°20.88'	259°46.77'	06
07	282°32.55'	S 3°19.89'	274°49.23'	07
08	297°32.71'	S 3°18.91'	289°51.70'	08
09	312°32.88'	S 3°17.93'	304°54.16'	09
10	327°33.05'	S 3°16.94'	319°56.63'	10
11	342°33.21'	S 3°15.96'	334°59.09'	11
12	357°33.38'	S 3°14.98'	350°01.55'	12
13	12°33.55'	S 3°13.99'	5°04.02'	13
14	27°33.72'	S 3°13.01'	20°06.48'	14
15	42°33.88'	S 3°12.03'	35°08.95'	15
16	57°34.05'	S 3°11.04'	50°11.41'	16
17	72°34.22'	S 3°10.06'	65°13.87'	17
18	87°34.39'	S 3°09.08'	80°16.34'	18
19	102°34.55'	S 3°08.09'	95°18.80'	19
20	117°34.72'	S 3°07.11'	110°21.27'	20
21	132°34.89'	S 3°06.12'	125°23.73'	21
22	147°35.06'	S 3°05.14'	140°26.19'	22
23	162°35.23'	S 3°04.16'	155°28.66'	23
24	177°35.40'	S 3°03.17'	170°31.12'	24
½Ø 16.1017'		p.h. (π) 0.1500'		
EoT at 12 UT -9m46s				

**13 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°35.40'	S 3°03.17'	170°31.12'	00
01	192°35.57'	S 3°02.19'	185°33.59'	01
02	207°35.73'	S 3°01.20'	200°36.05'	02
03	222°35.90'	S 3°00.22'	215°38.52'	03
04	237°36.07'	S 2°59.23'	230°40.98'	04
05	252°36.24'	S 2°58.25'	245°43.44'	05
06	267°36.41'	S 2°57.27'	260°45.91'	06
07	282°36.58'	S 2°56.28'	275°48.37'	07
08	297°36.75'	S 2°55.30'	290°50.84'	08
09	312°36.92'	S 2°54.31'	305°53.30'	09
10	327°37.09'	S 2°53.33'	320°55.76'	10
11	342°37.26'	S 2°52.34'	335°58.23'	11
12	357°37.43'	S 2°51.36'	351°00.69'	12
13	12°37.60'	S 2°50.37'	6°03.16'	13
14	27°37.77'	S 2°49.39'	21°05.62'	14
15	42°37.94'	S 2°48.40'	36°08.08'	15
16	57°38.11'	S 2°47.42'	51°10.55'	16
17	72°38.28'	S 2°46.43'	66°13.01'	17
18	87°38.45'	S 2°45.45'	81°15.48'	18
19	102°38.62'	S 2°44.46'	96°17.94'	19
20	117°38.79'	S 2°43.48'	111°20.41'	20
21	132°38.96'	S 2°42.49'	126°22.87'	21
22	147°39.14'	S 2°41.51'	141°25.33'	22
23	162°39.31'	S 2°40.52'	156°27.80'	23
24	177°39.48'	S 2°39.54'	171°30.26'	24
½Ø 16.0973'		p.h. (π) 0.1500'		
EoT at 12 UT - 9m30s				

**15 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°43.63'	S 2°15.87'	172°29.40'	00
01	192°43.80'	S 2°14.89'	187°31.86'	01
02	207°43.97'	S 2°13.90'	202°34.33'	02
03	222°44.15'	S 2°12.91'	217°36.79'	03
04	237°44.32'	S 2°11.93'	232°39.26'	04
05	252°44.50'	S 2°10.94'	247°41.72'	05
06	267°44.67'	S 2°09.95'	262°44.19'	06
07	282°44.85'	S 2°08.97'	277°46.65'	07
08	297°45.02'	S 2°07.98'	292°49.11'	08
09	312°45.20'	S 2°06.99'	307°51.58'	09
10	327°45.37'	S 2°06.01'	322°54.04'	10
11	342°45.55'	S 2°05.02'	337°56.51'	11
12	357°45.72'	S 2°04.03'	352°58.97'	12
13	12°45.90'	S 2°03.05'	8°01.43'	13
14	27°46.07'	S 2°02.06'	23°03.90'	14
15	42°46.25'	S 2°01.07'	38°06.36'	15
16	57°46.42'	S 2°00.09'	53°08.83'	16
17	72°46.60'	S 1°59.10'	68°11.29'	17
18	87°46.78'	S 1°58.11'	83°13.75'	18
19	102°46.95'	S 1°57.12'	98°16.22'	19
20	117°47.13'	S 1°56.14'	113°18.68'	20
21	132°47.30'	S 1°55.15'	128°21.15'	21
22	147°47.48'	S 1°54.16'	143°23.61'	22
23	162°47.66'	S 1°53.18'	158°26.08'	23
24	177°47.83'	S 1°52.19'	173°28.54'	24
½Ø 16.0885'		p.h. (π) 0.1500'		
EoT at 12 UT -8m57s				

**14 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°39.48'	S 2°39.54'	171°30.26'	00
01	192°39.65'	S 2°38.55'	186°32.73'	01
02	207°39.82'	S 2°37.57'	201°35.19'	02
03	222°39.99'	S 2°36.58'	216°37.65'	03
04	237°40.17'	S 2°35.59'	231°40.12'	04
05	252°40.34'	S 2°34.61'	246°42.58'	05
06	267°40.51'	S 2°33.62'	261°45.05'	06
07	282°40.68'	S 2°32.64'	276°47.51'	07
08	297°40.85'	S 2°31.65'	291°49.97'	08
09	312°41.03'	S 2°30.67'	306°52.44'	09
10	327°41.20'	S 2°29.68'	321°54.90'	10
11	342°41.37'	S 2°28.69'	336°57.37'	11
12	357°41.54'	S 2°27.71'	351°59.83'	12
13	12°41.72'	S 2°26.72'	7°02.30'	13
14	27°41.89'	S 2°25.74'	22°04.76'	14
15	42°42.06'	S 2°24.75'	37°07.22'	15
16	57°42.24'	S 2°23.76'	52°09.69'	16
17	72°42.41'	S 2°22.78'	67°12.15'	17
18	87°42.58'	S 2°21.79'	82°14.62'	18
19	102°42.76'	S 2°20.81'	97°17.08'	19
20	117°42.93'	S 2°19.82'	112°19.54'	20
21	132°43.10'	S 2°18.83'	127°22.01'	21
22	147°43.28'	S 2°17.85'	142°24.47'	22
23	162°43.45'	S 2°16.86'	157°26.94'	23
24	177°43.63'	S 2°15.87'	172°29.40'	24
½Ø 16.0929'		p.h. (π) 0.1500'		
EoT at 12 UT - 9m14s				

**16 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°47.83'	S 1°52.19'	173°28.54'	00
01	192°48.01'	S 1°51.20'	188°31.00'	01
02	207°48.19'	S 1°50.21'	203°33.47'	02
03	222°48.36'	S 1°49.23'	218°35.93'	03
04	237°48.54'	S 1°48.24'	233°38.40'	04
05	252°48.72'	S 1°47.25'	248°40.86'	05
06	267°48.89'	S 1°46.27'	263°43.32'	06
07	282°49.07'	S 1°45.28'	278°45.79'	07
08	297°49.25'	S 1°44.29'	293°48.25'	08
09	312°49.42'	S 1°43.30'	308°50.72'	09
10	327°49.60'	S 1°42.32'	323°53.18'	10
11	342°49.78'	S 1°41.33'	338°55.64'	11
12	357°49.96'	S 1°40.34'	353°58.11'	12
13	12°50.13'	S 1°39.35'	9°00.57'	13
14	27°50.31'	S 1°38.37'	24°03.04'	14
15	42°50.49'	S 1°37.38'	39°05.50'	15
16	57°50.67'	S 1°36.39'	54°07.97'	16
17	72°50.85'	S 1°35.40'	69°10.43'	17
18	87°51.02'	S 1°34.42'	84°12.89'	18
19	102°51.20'	S 1°33.43'	99°15.36'	19
20	117°51.38'	S 1°32.44'	114°17.82'	20
21	132°51.56'	S 1°31.45'	129°20.29'	21
22	147°51.74'	S 1°30.46'	144°22.75'	22
23	162°51.92'	S 1°29.48'	159°25.21'	23
24	177°52.09'	S 1°28.49'	174°27.68'	24
½Ø 16.0841'		p.h. (π) 0.1500'		
EoT at 12 UT -8m40s				

**17 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°52.09'	S 1°28.49'	174°27.68'	00
01	192°52.27'	S 1°27.50'	189°30.14'	01
02	207°52.45'	S 1°26.51'	204°32.61'	02
03	222°52.63'	S 1°25.53'	219°35.07'	03
04	237°52.81'	S 1°24.54'	234°37.53'	04
05	252°52.99'	S 1°23.55'	249°40.00'	05
06	267°53.17'	S 1°22.56'	264°42.46'	06
07	282°53.35'	S 1°21.57'	279°44.93'	07
08	297°53.53'	S 1°20.59'	294°47.39'	08
09	312°53.71'	S 1°19.60'	309°49.86'	09
10	327°53.88'	S 1°18.61'	324°52.32'	10
11	342°54.06'	S 1°17.62'	339°54.78'	11
12	357°54.24'	S 1°16.64'	354°57.25'	12
13	12°54.42'	S 1°15.65'	9°59.71'	13
14	27°54.60'	S 1°14.66'	25°02.18'	14
15	42°54.78'	S 1°13.67'	40°04.64'	15
16	57°54.96'	S 1°12.68'	55°07.10'	16
17	72°55.14'	S 1°11.70'	70°09.57'	17
18	87°55.32'	S 1°10.71'	85°12.03'	18
19	102°55.50'	S 1°09.72'	100°14.50'	19
20	117°55.68'	S 1°08.73'	115°16.96'	20
21	132°55.86'	S 1°07.74'	130°19.42'	21
22	147°56.04'	S 1°06.76'	145°21.89'	22
23	162°56.23'	S 1°05.77'	160°24.35'	23
24	177°56.41'	S 1°04.78'	175°26.82'	24
½Ø 16.0797'		p.h. (π) 0.1500'		
EoT at 12 UT -8m23s				

**19 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°00.76'	S 0°41.07'	176°25.96'	00
01	193°00.94'	S 0°40.08'	191°28.42'	01
02	208°01.13'	S 0°39.09'	206°30.88'	02
03	223°01.31'	S 0°38.10'	221°33.35'	03
04	238°01.49'	S 0°37.11'	236°35.81'	04
05	253°01.68'	S 0°36.13'	251°38.28'	05
06	268°01.86'	S 0°35.14'	266°40.74'	06
07	283°02.04'	S 0°34.15'	281°43.20'	07
08	298°02.22'	S 0°33.16'	296°45.67'	08
09	313°02.41'	S 0°32.17'	311°48.13'	09
10	328°02.59'	S 0°31.19'	326°50.60'	10
11	343°02.77'	S 0°30.20'	341°53.06'	11
12	358°02.96'	S 0°29.21'	356°55.53'	12
13	13°03.14'	S 0°28.22'	11°57.99'	13
14	28°03.32'	S 0°27.24'	27°00.45'	14
15	43°03.51'	S 0°26.25'	42°02.92'	15
16	58°03.69'	S 0°25.26'	57°05.38'	16
17	73°03.87'	S 0°24.27'	72°07.85'	17
18	88°04.06'	S 0°23.28'	87°10.31'	18
19	103°04.24'	S 0°22.30'	102°12.77'	19
20	118°04.42'	S 0°21.31'	117°15.24'	20
21	133°04.61'	S 0°20.32'	132°17.70'	21
22	148°04.79'	S 0°19.33'	147°20.17'	22
23	163°04.97'	S 0°18.34'	162°22.63'	23
24	178°05.16'	S 0°17.36'	177°25.09'	24
½Ø 16.0707'		p.h. (π) 0.1500'		
EoT at 12 UT -7m48s				

**18 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	177°56.41'	S 1°04.78'	175°26.82'	00
01	192°56.59'	S 1°03.79'	190°29.28'	01
02	207°56.77'	S 1°02.80'	205°31.75'	02
03	222°56.95'	S 1°01.82'	220°34.21'	03
04	237°57.13'	S 1°00.83'	235°36.67'	04
05	252°57.31'	S 0°59.84'	250°39.14'	05
06	267°57.49'	S 0°58.85'	265°41.60'	06
07	282°57.67'	S 0°57.86'	280°44.07'	07
08	297°57.85'	S 0°56.88'	295°46.53'	08
09	312°58.03'	S 0°55.89'	310°48.99'	09
10	327°58.22'	S 0°54.90'	325°51.46'	10
11	342°58.40'	S 0°53.91'	340°53.92'	11
12	357°58.58'	S 0°52.92'	355°56.39'	12
13	12°58.76'	S 0°51.93'	10°58.85'	13
14	27°58.94'	S 0°50.95'	26°01.31'	14
15	42°59.12'	S 0°49.96'	41°03.78'	15
16	57°59.31'	S 0°48.97'	56°06.24'	16
17	72°59.49'	S 0°47.98'	71°08.71'	17
18	87°59.67'	S 0°46.99'	86°11.17'	18
19	102°59.85'	S 0°46.01'	101°13.64'	19
20	118°00.03'	S 0°45.02'	116°16.10'	20
21	133°00.22'	S 0°44.03'	131°18.56'	21
22	148°00.40'	S 0°43.04'	146°21.03'	22
23	163°00.58'	S 0°42.05'	161°23.49'	23
24	178°00.76'	S 0°41.07'	176°25.96'	24
½Ø 16.0752'		p.h. (π) 0.1500'		
EoT at 12 UT -8m6s				

**20 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°05.16'	S 0°17.36'	177°25.09'	00
01	193°05.34'	S 0°16.37'	192°27.56'	01
02	208°05.53'	S 0°15.38'	207°30.02'	02
03	223°05.71'	S 0°14.39'	222°32.49'	03
04	238°05.89'	S 0°13.41'	237°34.95'	04
05	253°06.08'	S 0°12.42'	252°37.42'	05
06	268°06.26'	S 0°11.43'	267°39.88'	06
07	283°06.45'	S 0°10.44'	282°42.34'	07
08	298°06.63'	S 0°09.45'	297°44.81'	08
09	313°06.82'	S 0°08.47'	312°47.27'	09
10	328°07.00'	S 0°07.48'	327°49.74'	10
11	343°07.19'	S 0°06.49'	342°52.20'	11
12	358°07.37'	S 0°05.50'	357°54.66'	12
13	13°07.55'	S 0°04.52'	12°57.13'	13
14	28°07.74'	S 0°03.53'	27°59.59'	14
15	43°07.92'	S 0°02.54'	43°02.06'	15
16	58°08.11'	S 0°01.55'	58°04.52'	16
17	73°08.29'	S 0°00.57'	73°06.98'	17
18	88°08.48'	N 0°00.42'	88°09.45'	18
19	103°08.66'	N 0°01.41'	103°11.91'	19
20	118°08.85'	N 0°02.40'	118°14.38'	20
21	133°09.03'	N 0°03.38'	133°16.84'	21
22	148°09.22'	N 0°04.37'	148°19.31'	22
23	163°09.40'	N 0°05.36'	163°21.77'	23
24	178°09.59'	N 0°06.34'	178°24.23'	24
½Ø 16.0662'		p.h. (π) 0.1500'		
EoT at 12 UT -7m31s				

**21 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°09.59'	N 0°06.34'	178°24.23'	00
01	193°09.77'	N 0°07.33'	193°26.70'	01
02	208°09.96'	N 0°08.32'	208°29.16'	02
03	223°10.15'	N 0°09.31'	223°31.63'	03
04	238°10.33'	N 0°10.29'	238°34.09'	04
05	253°10.52'	N 0°11.28'	253°36.55'	05
06	268°10.70'	N 0°12.27'	268°39.02'	06
07	283°10.89'	N 0°13.25'	283°41.48'	07
08	298°11.07'	N 0°14.24'	298°43.95'	08
09	313°11.26'	N 0°15.23'	313°46.41'	09
10	328°11.44'	N 0°16.22'	328°48.87'	10
11	343°11.63'	N 0°17.20'	343°51.34'	11
12	358°11.82'	N 0°18.19'	358°53.80'	12
13	13°12.00'	N 0°19.18'	13°56.27'	13
14	28°12.19'	N 0°20.16'	28°58.73'	14
15	43°12.37'	N 0°21.15'	44°01.20'	15
16	58°12.56'	N 0°22.14'	59°03.66'	16
17	73°12.75'	N 0°23.12'	74°06.12'	17
18	88°12.93'	N 0°24.11'	89°08.59'	18
19	103°13.12'	N 0°25.10'	104°11.05'	19
20	118°13.30'	N 0°26.08'	119°13.52'	20
21	133°13.49'	N 0°27.07'	134°15.98'	21
22	148°13.68'	N 0°28.06'	149°18.44'	22
23	163°13.86'	N 0°29.04'	164°20.91'	23
24	178°14.05'	N 0°30.03'	179°23.37'	24
½Ø 16.0617'		p.h. (π) 0.1500'		
EoT at 12 UT -7m13s				

**23 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°18.53'	N 0°53.70'	180°22.51'	00
01	193°18.72'	N 0°54.68'	195°24.98'	01
02	208°18.91'	N 0°55.67'	210°27.44'	02
03	223°19.10'	N 0°56.65'	225°29.90'	03
04	238°19.28'	N 0°57.64'	240°32.37'	04
05	253°19.47'	N 0°58.62'	255°34.83'	05
06	268°19.66'	N 0°59.61'	270°37.30'	06
07	283°19.85'	N 1°00.59'	285°39.76'	07
08	298°20.03'	N 1°01.58'	300°42.22'	08
09	313°20.22'	N 1°02.56'	315°44.69'	09
10	328°20.41'	N 1°03.55'	330°47.15'	10
11	343°20.60'	N 1°04.53'	345°49.62'	11
12	358°20.78'	N 1°05.52'	0°52.08'	12
13	13°20.97'	N 1°06.50'	15°54.54'	13
14	28°21.16'	N 1°07.49'	30°57.01'	14
15	43°21.35'	N 1°08.47'	45°59.47'	15
16	58°21.53'	N 1°09.46'	61°01.94'	16
17	73°21.72'	N 1°10.44'	76°04.40'	17
18	88°21.91'	N 1°11.43'	91°06.87'	18
19	103°22.10'	N 1°12.41'	106°09.33'	19
20	118°22.29'	N 1°13.40'	121°11.79'	20
21	133°22.47'	N 1°14.38'	136°14.26'	21
22	148°22.66'	N 1°15.37'	151°16.72'	22
23	163°22.85'	N 1°16.35'	166°19.19'	23
24	178°23.04'	N 1°17.33'	181°21.65'	24
½Ø 16.0526'		p.h. (π) 0.1500'		
EoT at 12 UT -6m37s				

**22 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°14.05'	N 0°30.03'	179°23.37'	00
01	193°14.24'	N 0°31.02'	194°25.84'	01
02	208°14.42'	N 0°32.00'	209°28.30'	02
03	223°14.61'	N 0°32.99'	224°30.76'	03
04	238°14.80'	N 0°33.98'	239°33.23'	04
05	253°14.98'	N 0°34.96'	254°35.69'	05
06	268°15.17'	N 0°35.95'	269°38.16'	06
07	283°15.35'	N 0°36.94'	284°40.62'	07
08	298°15.54'	N 0°37.92'	299°43.09'	08
09	313°15.73'	N 0°38.91'	314°45.55'	09
10	328°15.92'	N 0°39.89'	329°48.01'	10
11	343°16.10'	N 0°40.88'	344°50.48'	11
12	358°16.29'	N 0°41.87'	359°52.94'	12
13	13°16.48'	N 0°42.85'	14°55.41'	13
14	28°16.66'	N 0°43.84'	29°57.87'	14
15	43°16.85'	N 0°44.82'	45°00.33'	15
16	58°17.04'	N 0°45.81'	60°02.80'	16
17	73°17.22'	N 0°46.80'	75°05.26'	17
18	88°17.41'	N 0°47.78'	90°07.73'	18
19	103°17.60'	N 0°48.77'	105°10.19'	19
20	118°17.78'	N 0°49.75'	120°12.65'	20
21	133°17.97'	N 0°50.74'	135°15.12'	21
22	148°18.16'	N 0°51.72'	150°17.58'	22
23	163°18.35'	N 0°52.71'	165°20.05'	23
24	178°18.53'	N 0°53.70'	180°22.51'	24
½Ø 16.0571'		p.h. (π) 0.1500'		
EoT at 12 UT -6m55s				

**24 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°23.04'	N 1°17.33'	181°21.65'	00
01	193°23.23'	N 1°18.32'	196°24.11'	01
02	208°23.41'	N 1°19.30'	211°26.58'	02
03	223°23.60'	N 1°20.29'	226°29.04'	03
04	238°23.79'	N 1°21.27'	241°31.51'	04
05	253°23.98'	N 1°22.25'	256°33.97'	05
06	268°24.17'	N 1°23.24'	271°36.43'	06
07	283°24.35'	N 1°24.22'	286°38.90'	07
08	298°24.54'	N 1°25.21'	301°41.36'	08
09	313°24.73'	N 1°26.19'	316°43.83'	09
10	328°24.92'	N 1°27.17'	331°46.29'	10
11	343°25.11'	N 1°28.16'	346°48.76'	11
12	358°25.29'	N 1°29.14'	1°51.22'	12
13	13°25.48'	N 1°30.12'	16°53.68'	13
14	28°25.67'	N 1°31.11'	31°56.15'	14
15	43°25.86'	N 1°32.09'	46°58.61'	15
16	58°26.05'	N 1°33.07'	62°01.08'	16
17	73°26.24'	N 1°34.06'	77°03.54'	17
18	88°26.42'	N 1°35.04'	92°06.00'	18
19	103°26.61'	N 1°36.02'	107°08.47'	19
20	118°26.80'	N 1°37.01'	122°10.93'	20
21	133°26.99'	N 1°37.99'	137°13.40'	21
22	148°27.18'	N 1°38.97'	152°15.86'	22
23	163°27.37'	N 1°39.96'	167°18.32'	23
24	178°27.56'	N 1°40.94'	182°20.79'	24
½Ø 16.0480'		p.h. (π) 0.1500'		
EoT at 12 UT -6m19s				

**25 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°27.56'	N 1°40.94'	182°20.79'	00
01	193°27.74'	N 1°41.92'	197°23.25'	01
02	208°27.93'	N 1°42.90'	212°25.72'	02
03	223°28.12'	N 1°43.89'	227°28.18'	03
04	238°28.31'	N 1°44.87'	242°30.65'	04
05	253°28.50'	N 1°45.85'	257°33.11'	05
06	268°28.69'	N 1°46.83'	272°35.57'	06
07	283°28.87'	N 1°47.82'	287°38.04'	07
08	298°29.06'	N 1°48.80'	302°40.50'	08
09	313°29.25'	N 1°49.78'	317°42.97'	09
10	328°29.44'	N 1°50.76'	332°45.43'	10
11	343°29.63'	N 1°51.75'	347°47.89'	11
12	358°29.82'	N 1°52.73'	2°50.36'	12
13	13°30.01'	N 1°53.71'	17°52.82'	13
14	28°30.20'	N 1°54.69'	32°55.29'	14
15	43°30.38'	N 1°55.67'	47°57.75'	15
16	58°30.57'	N 1°56.65'	63°00.21'	16
17	73°30.76'	N 1°57.64'	78°02.68'	17
18	88°30.95'	N 1°58.62'	93°05.14'	18
19	103°31.14'	N 1°59.60'	108°07.61'	19
20	118°31.33'	N 2°00.58'	123°10.07'	20
21	133°31.52'	N 2°01.56'	138°12.54'	21
22	148°31.70'	N 2°02.54'	153°15.00'	22
23	163°31.89'	N 2°03.52'	168°17.46'	23
24	178°32.08'	N 2°04.51'	183°19.93'	24
½Ø 16.0434'		p.h. (π) 0.1500'		
EoT at 12 UT -6m1s				

**27 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°36.61'	N 2°28.03'	184°19.07'	00
01	193°36.80'	N 2°29.01'	199°21.53'	01
02	208°36.99'	N 2°29.98'	214°23.99'	02
03	223°37.18'	N 2°30.96'	229°26.46'	03
04	238°37.37'	N 2°31.94'	244°28.92'	04
05	253°37.56'	N 2°32.92'	259°31.39'	05
06	268°37.75'	N 2°33.90'	274°33.85'	06
07	283°37.93'	N 2°34.88'	289°36.32'	07
08	298°38.12'	N 2°35.86'	304°38.78'	08
09	313°38.31'	N 2°36.83'	319°41.24'	09
10	328°38.50'	N 2°37.81'	334°43.71'	10
11	343°38.69'	N 2°38.79'	349°46.17'	11
12	358°38.88'	N 2°39.77'	4°48.64'	12
13	13°39.07'	N 2°40.75'	19°51.10'	13
14	28°39.26'	N 2°41.72'	34°53.56'	14
15	43°39.45'	N 2°42.70'	49°56.03'	15
16	58°39.63'	N 2°43.68'	64°58.49'	16
17	73°39.82'	N 2°44.66'	80°00.96'	17
18	88°40.01'	N 2°45.63'	95°03.42'	18
19	103°40.20'	N 2°46.61'	110°05.88'	19
20	118°40.39'	N 2°47.59'	125°08.35'	20
21	133°40.58'	N 2°48.57'	140°10.81'	21
22	148°40.77'	N 2°49.54'	155°13.28'	22
23	163°40.95'	N 2°50.52'	170°15.74'	23
24	178°41.14'	N 2°51.50'	185°18.21'	24
½Ø 16.0343'		p.h. (π) 0.1500'		
EoT at 12 UT -5m24s				

**26 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°32.08'	N 2°04.51'	183°19.93'	00
01	193°32.27'	N 2°05.49'	198°22.39'	01
02	208°32.46'	N 2°06.47'	213°24.86'	02
03	223°32.65'	N 2°07.45'	228°27.32'	03
04	238°32.84'	N 2°08.43'	243°29.78'	04
05	253°33.03'	N 2°09.41'	258°32.25'	05
06	268°33.21'	N 2°10.39'	273°34.71'	06
07	283°33.40'	N 2°11.37'	288°37.18'	07
08	298°33.59'	N 2°12.35'	303°39.64'	08
09	313°33.78'	N 2°13.33'	318°42.10'	09
10	328°33.97'	N 2°14.31'	333°44.57'	10
11	343°34.16'	N 2°15.29'	348°47.03'	11
12	358°34.35'	N 2°16.27'	3°49.50'	12
13	13°34.54'	N 2°17.25'	18°51.96'	13
14	28°34.73'	N 2°18.23'	33°54.43'	14
15	43°34.91'	N 2°19.21'	48°56.89'	15
16	58°35.10'	N 2°20.19'	63°59.35'	16
17	73°35.29'	N 2°21.17'	79°01.82'	17
18	88°35.48'	N 2°22.15'	94°04.28'	18
19	103°35.67'	N 2°23.13'	109°06.75'	19
20	118°35.86'	N 2°24.11'	124°09.21'	20
21	133°36.05'	N 2°25.09'	139°11.67'	21
22	148°36.24'	N 2°26.07'	154°14.14'	22
23	163°36.42'	N 2°27.05'	169°16.60'	23
24	178°36.61'	N 2°28.03'	184°19.07'	24
½Ø 16.0389'		p.h. (π) 0.1500'		
EoT at 12 UT -5m43s				

**28 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°41.14'	N 2°51.50'	185°18.21'	00
01	193°41.33'	N 2°52.47'	200°20.67'	01
02	208°41.52'	N 2°53.45'	215°23.13'	02
03	223°41.71'	N 2°54.43'	230°25.60'	03
04	238°41.90'	N 2°55.40'	245°28.06'	04
05	253°42.09'	N 2°56.38'	260°30.53'	05
06	268°42.28'	N 2°57.36'	275°32.99'	06
07	283°42.46'	N 2°58.33'	290°35.45'	07
08	298°42.65'	N 2°59.31'	305°37.92'	08
09	313°42.84'	N 3°00.28'	320°40.38'	09
10	328°43.03'	N 3°01.26'	335°42.85'	10
11	343°43.22'	N 3°02.24'	350°45.31'	11
12	358°43.41'	N 3°03.21'	5°47.77'	12
13	13°43.60'	N 3°04.19'	20°50.24'	13
14	28°43.78'	N 3°05.16'	35°52.70'	14
15	43°43.97'	N 3°06.14'	50°55.17'	15
16	58°44.16'	N 3°07.11'	65°57.63'	16
17	73°44.35'	N 3°08.09'	81°00.10'	17
18	88°44.54'	N 3°09.06'	96°02.56'	18
19	103°44.73'	N 3°10.04'	111°05.02'	19
20	118°44.91'	N 3°11.01'	126°07.49'	20
21	133°45.10'	N 3°11.99'	141°09.95'	21
22	148°45.29'	N 3°12.96'	156°12.42'	22
23	163°45.48'	N 3°13.94'	171°14.88'	23
24	178°45.67'	N 3°14.91'	186°17.34'	24
½Ø 16.0297'		p.h. (π) 0.1500'		
EoT at 12 UT -5m6s				

**29 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°45.67'	N 3°14.91'	186°17.34'	00
01	193°45.86'	N 3°15.89'	201°19.81'	01
02	208°46.04'	N 3°16.86'	216°22.27'	02
03	223°46.23'	N 3°17.83'	231°24.74'	03
04	238°46.42'	N 3°18.81'	246°27.20'	04
05	253°46.61'	N 3°19.78'	261°29.66'	05
06	268°46.80'	N 3°20.76'	276°32.13'	06
07	283°46.99'	N 3°21.73'	291°34.59'	07
08	298°47.17'	N 3°22.70'	306°37.06'	08
09	313°47.36'	N 3°23.68'	321°39.52'	09
10	328°47.55'	N 3°24.65'	336°41.99'	10
11	343°47.74'	N 3°25.62'	351°44.45'	11
12	358°47.93'	N 3°26.60'	6°46.91'	12
13	13°48.11'	N 3°27.57'	21°49.38'	13
14	28°48.30'	N 3°28.54'	36°51.84'	14
15	43°48.49'	N 3°29.51'	51°54.31'	15
16	58°48.68'	N 3°30.49'	66°56.77'	16
17	73°48.87'	N 3°31.46'	81°59.23'	17
18	88°49.05'	N 3°32.43'	97°01.70'	18
19	103°49.24'	N 3°33.40'	112°04.16'	19
20	118°49.43'	N 3°34.38'	127°06.63'	20
21	133°49.62'	N 3°35.35'	142°09.09'	21
22	148°49.81'	N 3°36.32'	157°11.55'	22
23	163°49.99'	N 3°37.29'	172°14.02'	23
24	178°50.18'	N 3°38.26'	187°16.48'	24
½Ø 16.0251'		p.h. (π) 0.1500'		
EoT at 12 UT -4m48s				

**31 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°54.68'	N 4°01.55'	188°15.62'	00
01	193°54.87'	N 4°02.51'	203°18.09'	01
02	208°55.05'	N 4°03.48'	218°20.55'	02
03	223°55.24'	N 4°04.45'	233°23.01'	03
04	238°55.43'	N 4°05.42'	248°25.48'	04
05	253°55.61'	N 4°06.39'	263°27.94'	05
06	268°55.80'	N 4°07.36'	278°30.41'	06
07	283°55.99'	N 4°08.32'	293°32.87'	07
08	298°56.17'	N 4°09.29'	308°35.33'	08
09	313°56.36'	N 4°10.26'	323°37.80'	09
10	328°56.55'	N 4°11.23'	338°40.26'	10
11	343°56.73'	N 4°12.19'	353°42.73'	11
12	358°56.92'	N 4°13.16'	8°45.19'	12
13	13°57.11'	N 4°14.13'	23°47.66'	13
14	28°57.29'	N 4°15.09'	38°50.12'	14
15	43°57.48'	N 4°16.06'	53°52.58'	15
16	58°57.67'	N 4°17.03'	68°55.05'	16
17	73°57.85'	N 4°17.99'	83°57.51'	17
18	88°58.04'	N 4°18.96'	98°59.98'	18
19	103°58.23'	N 4°19.93'	114°02.44'	19
20	118°58.41'	N 4°20.89'	129°04.90'	20
21	133°58.60'	N 4°21.86'	144°07.37'	21
22	148°58.78'	N 4°22.82'	159°09.83'	22
23	163°58.97'	N 4°23.79'	174°12.30'	23
24	178°59.16'	N 4°24.75'	189°14.76'	24
½Ø 16.0159'		p.h. (π) 0.1500'		
EoT at 12 UT -4m12s				

**30 mars 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°50.18'	N 3°38.26'	187°16.48'	00
01	193°50.37'	N 3°39.23'	202°18.95'	01
02	208°50.56'	N 3°40.21'	217°21.41'	02
03	223°50.74'	N 3°41.18'	232°23.88'	03
04	238°50.93'	N 3°42.15'	247°26.34'	04
05	253°51.12'	N 3°43.12'	262°28.80'	05
06	268°51.31'	N 3°44.09'	277°31.27'	06
07	283°51.50'	N 3°45.06'	292°33.73'	07
08	298°51.68'	N 3°46.03'	307°36.20'	08
09	313°51.87'	N 3°47.00'	322°38.66'	09
10	328°52.06'	N 3°47.97'	337°41.12'	10
11	343°52.25'	N 3°48.94'	352°43.59'	11
12	358°52.43'	N 3°49.91'	7°46.05'	12
13	13°52.62'	N 3°50.88'	22°48.52'	13
14	28°52.81'	N 3°51.85'	37°50.98'	14
15	43°52.99'	N 3°52.82'	52°53.44'	15
16	58°53.18'	N 3°53.79'	67°55.91'	16
17	73°53.37'	N 3°54.76'	82°58.37'	17
18	88°53.56'	N 3°55.73'	98°00.84'	18
19	103°53.74'	N 3°56.70'	113°03.30'	19
20	118°53.93'	N 3°57.67'	128°05.77'	20
21	133°54.12'	N 3°58.64'	143°08.23'	21
22	148°54.31'	N 3°59.61'	158°10.69'	22
23	163°54.49'	N 4°00.58'	173°13.16'	23
24	178°54.68'	N 4°01.55'	188°15.62'	24
½Ø 16.0205'		p.h. (π) 0.1500'		
EoT at 12 UT -4m30s				



**1er avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°59.16'	N 4°24.75'	189°14.76'	00
01	193°59.34'	N 4°25.72'	204°17.22'	01
02	208°59.53'	N 4°26.69'	219°19.69'	02
03	223°59.71'	N 4°27.65'	234°22.15'	03
04	238°59.90'	N 4°28.61'	249°24.62'	04
05	254°00.09'	N 4°29.58'	264°27.08'	05
06	269°00.27'	N 4°30.54'	279°29.55'	06
07	284°00.46'	N 4°31.51'	294°32.01'	07
08	299°00.64'	N 4°32.47'	309°34.47'	08
09	314°00.83'	N 4°33.44'	324°36.94'	09
10	329°01.02'	N 4°34.40'	339°39.40'	10
11	344°01.20'	N 4°35.37'	354°41.87'	11
12	359°01.39'	N 4°36.33'	9°44.33'	12
13	14°01.57'	N 4°37.29'	24°46.79'	13
14	29°01.76'	N 4°38.26'	39°49.26'	14
15	44°01.94'	N 4°39.22'	54°51.72'	15
16	59°02.13'	N 4°40.18'	69°54.19'	16
17	74°02.31'	N 4°41.15'	84°56.65'	17
18	89°02.50'	N 4°42.11'	99°59.12'	18
19	104°02.68'	N 4°43.07'	115°01.58'	19
20	119°02.87'	N 4°44.03'	130°04.04'	20
21	134°03.05'	N 4°45.00'	145°06.51'	21
22	149°03.24'	N 4°45.96'	160°08.97'	22
23	164°03.42'	N 4°46.92'	175°11.44'	23
24	179°03.61'	N 4°47.88'	190°13.90'	24
½Ø 16.0113'		p.h. (π) 0.1500'		
EoT at 12 UT - 3m54s				

**3 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°08.03'	N 5°10.93'	191°13.04'	00
01	194°08.21'	N 5°11.88'	206°15.50'	01
02	209°08.40'	N 5°12.84'	221°17.97'	02
03	224°08.58'	N 5°13.80'	236°20.43'	03
04	239°08.76'	N 5°14.76'	251°22.90'	04
05	254°08.95'	N 5°15.72'	266°25.36'	05
06	269°09.13'	N 5°16.67'	281°27.82'	06
07	284°09.31'	N 5°17.63'	296°30.29'	07
08	299°09.50'	N 5°18.59'	311°32.75'	08
09	314°09.68'	N 5°19.54'	326°35.22'	09
10	329°09.86'	N 5°20.50'	341°37.68'	10
11	344°10.05'	N 5°21.46'	356°40.14'	11
12	359°10.23'	N 5°22.41'	11°42.61'	12
13	14°10.41'	N 5°23.37'	26°45.07'	13
14	29°10.59'	N 5°24.33'	41°47.54'	14
15	44°10.78'	N 5°25.28'	56°50.00'	15
16	59°10.96'	N 5°26.24'	71°52.46'	16
17	74°11.14'	N 5°27.19'	86°54.93'	17
18	89°11.32'	N 5°28.15'	101°57.39'	18
19	104°11.51'	N 5°29.10'	116°59.86'	19
20	119°11.69'	N 5°30.06'	132°02.32'	20
21	134°11.87'	N 5°31.01'	147°04.79'	21
22	149°12.05'	N 5°31.97'	162°07.25'	22
23	164°12.24'	N 5°32.92'	177°09.71'	23
24	179°12.42'	N 5°33.88'	192°12.18'	24
½Ø 16.0020'		p.h. (π) 0.1500'		
EoT at 12 UT - 3m19s				

**2 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°03.61'	N 4°47.88'	190°13.90'	00
01	194°03.79'	N 4°48.85'	205°16.36'	01
02	209°03.98'	N 4°49.81'	220°18.83'	02
03	224°04.16'	N 4°50.77'	235°21.29'	03
04	239°04.35'	N 4°51.73'	250°23.76'	04
05	254°04.53'	N 4°52.69'	265°26.22'	05
06	269°04.72'	N 4°53.65'	280°28.68'	06
07	284°04.90'	N 4°54.61'	295°31.15'	07
08	299°05.09'	N 4°55.57'	310°33.61'	08
09	314°05.27'	N 4°56.53'	325°36.08'	09
10	329°05.46'	N 4°57.50'	340°38.54'	10
11	344°05.64'	N 4°58.46'	355°41.01'	11
12	359°05.82'	N 4°59.42'	10°43.47'	12
13	14°06.01'	N 5°00.38'	25°45.93'	13
14	29°06.19'	N 5°01.34'	40°48.40'	14
15	44°06.38'	N 5°02.30'	55°50.86'	15
16	59°06.56'	N 5°03.26'	70°53.33'	16
17	74°06.74'	N 5°04.21'	85°55.79'	17
18	89°06.93'	N 5°05.17'	100°58.25'	18
19	104°07.11'	N 5°06.13'	116°00.72'	19
20	119°07.30'	N 5°07.09'	131°03.18'	20
21	134°07.48'	N 5°08.05'	146°05.65'	21
22	149°07.66'	N 5°09.01'	161°08.11'	22
23	164°07.85'	N 5°09.97'	176°10.57'	23
24	179°08.03'	N 5°10.93'	191°13.04'	24
½Ø 16.0067'		p.h. (π) 0.1500'		
EoT at 12 UT - 3m37s				

**4 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°12.42'	N 5°33.88'	192°12.18'	00
01	194°12.60'	N 5°34.83'	207°14.64'	01
02	209°12.78'	N 5°35.79'	222°17.11'	02
03	224°12.96'	N 5°36.74'	237°19.57'	03
04	239°13.14'	N 5°37.69'	252°22.03'	04
05	254°13.33'	N 5°38.65'	267°24.50'	05
06	269°13.51'	N 5°39.60'	282°26.96'	06
07	284°13.69'	N 5°40.55'	297°29.43'	07
08	299°13.87'	N 5°41.51'	312°31.89'	08
09	314°14.05'	N 5°42.46'	327°34.35'	09
10	329°14.23'	N 5°43.41'	342°36.82'	10
11	344°14.42'	N 5°44.36'	357°39.28'	11
12	359°14.60'	N 5°45.32'	12°41.75'	12
13	14°14.78'	N 5°46.27'	27°44.21'	13
14	29°14.96'	N 5°47.22'	42°46.68'	14
15	44°15.14'	N 5°48.17'	57°49.14'	15
16	59°15.32'	N 5°49.12'	72°51.60'	16
17	74°15.50'	N 5°50.08'	87°54.07'	17
18	89°15.68'	N 5°51.03'	102°56.53'	18
19	104°15.86'	N 5°51.98'	117°59.00'	19
20	119°16.04'	N 5°52.93'	133°01.46'	20
21	134°16.22'	N 5°53.88'	148°03.92'	21
22	149°16.40'	N 5°54.83'	163°06.39'	22
23	164°16.58'	N 5°55.78'	178°08.85'	23
24	179°16.76'	N 5°56.73'	193°11.32'	24
½Ø 15.9974'		p.h. (π) 0.1500'		
EoT at 12 UT - 3m2s				

**5 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°16.76'	N 5°56.73'	193°11.32'	00
01	194°16.95'	N 5°57.68'	208°13.78'	01
02	209°17.13'	N 5°58.63'	223°16.24'	02
03	224°17.31'	N 5°59.58'	238°18.71'	03
04	239°17.49'	N 6°00.53'	253°21.17'	04
05	254°17.67'	N 6°01.48'	268°23.64'	05
06	269°17.84'	N 6°02.43'	283°26.10'	06
07	284°18.02'	N 6°03.38'	298°28.57'	07
08	299°18.20'	N 6°04.33'	313°31.03'	08
09	314°18.38'	N 6°05.28'	328°33.49'	09
10	329°18.56'	N 6°06.22'	343°35.96'	10
11	344°18.74'	N 6°07.17'	358°38.42'	11
12	359°18.92'	N 6°08.12'	13°40.89'	12
13	14°19.10'	N 6°09.07'	28°43.35'	13
14	29°19.28'	N 6°10.02'	43°45.81'	14
15	44°19.46'	N 6°10.96'	58°48.28'	15
16	59°19.64'	N 6°11.91'	73°50.74'	16
17	74°19.82'	N 6°12.86'	88°53.21'	17
18	89°20.00'	N 6°13.80'	103°55.67'	18
19	104°20.18'	N 6°14.75'	118°58.13'	19
20	119°20.35'	N 6°15.70'	134°00.60'	20
21	134°20.53'	N 6°16.64'	149°03.06'	21
22	149°20.71'	N 6°17.59'	164°05.53'	22
23	164°20.89'	N 6°18.54'	179°07.99'	23
24	179°21.07'	N 6°19.48'	194°10.46'	24
½Ø 15.9929'		p.h. (π) 0.1500'		
EoT at 12 UT -2m44s				

**7 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°25.32'	N 6°42.12'	195°09.59'	00
01	194°25.50'	N 6°43.06'	210°12.06'	01
02	209°25.67'	N 6°44.01'	225°14.52'	02
03	224°25.85'	N 6°44.95'	240°16.99'	03
04	239°26.03'	N 6°45.89'	255°19.45'	04
05	254°26.20'	N 6°46.83'	270°21.91'	05
06	269°26.38'	N 6°47.77'	285°24.38'	06
07	284°26.55'	N 6°48.71'	300°26.84'	07
08	299°26.73'	N 6°49.65'	315°29.31'	08
09	314°26.90'	N 6°50.59'	330°31.77'	09
10	329°27.08'	N 6°51.52'	345°34.24'	10
11	344°27.25'	N 6°52.46'	0°36.70'	11
12	359°27.43'	N 6°53.40'	15°39.16'	12
13	14°27.60'	N 6°54.34'	30°41.63'	13
14	29°27.78'	N 6°55.28'	45°44.09'	14
15	44°27.95'	N 6°56.22'	60°46.56'	15
16	59°28.13'	N 6°57.15'	75°49.02'	16
17	74°28.30'	N 6°58.09'	90°51.48'	17
18	89°28.48'	N 6°59.03'	105°53.95'	18
19	104°28.65'	N 6°59.97'	120°56.41'	19
20	119°28.83'	N 7°00.90'	135°58.88'	20
21	134°29.00'	N 7°01.84'	151°01.34'	21
22	149°29.18'	N 7°02.78'	166°03.80'	22
23	164°29.35'	N 7°03.71'	181°06.27'	23
24	179°29.52'	N 7°04.65'	196°08.73'	24
½Ø 15.9837'		p.h. (π) 0.1500'		
EoT at 12 UT -2m10s				

**6 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°21.07'	N 6°19.48'	194°10.46'	00
01	194°21.25'	N 6°20.43'	209°12.92'	01
02	209°21.42'	N 6°21.37'	224°15.38'	02
03	224°21.60'	N 6°22.32'	239°17.85'	03
04	239°21.78'	N 6°23.26'	254°20.31'	04
05	254°21.96'	N 6°24.21'	269°22.78'	05
06	269°22.14'	N 6°25.15'	284°25.24'	06
07	284°22.31'	N 6°26.10'	299°27.70'	07
08	299°22.49'	N 6°27.04'	314°30.17'	08
09	314°22.67'	N 6°27.99'	329°32.63'	09
10	329°22.85'	N 6°28.93'	344°35.10'	10
11	344°23.02'	N 6°29.87'	359°37.56'	11
12	359°23.20'	N 6°30.82'	14°40.02'	12
13	14°23.38'	N 6°31.76'	29°42.49'	13
14	29°23.56'	N 6°32.70'	44°44.95'	14
15	44°23.73'	N 6°33.65'	59°47.42'	15
16	59°23.91'	N 6°34.59'	74°49.88'	16
17	74°24.09'	N 6°35.53'	89°52.35'	17
18	89°24.26'	N 6°36.47'	104°54.81'	18
19	104°24.44'	N 6°37.42'	119°57.27'	19
20	119°24.62'	N 6°38.36'	134°59.74'	20
21	134°24.79'	N 6°39.30'	150°02.20'	21
22	149°24.97'	N 6°40.24'	165°04.67'	22
23	164°25.15'	N 6°41.18'	180°07.13'	23
24	179°25.32'	N 6°42.12'	195°09.59'	24
½Ø 15.9883'		p.h. (π) 0.1500'		
EoT at 12 UT -2m27s				

**8 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°29.52'	N 7°04.65'	196°08.73'	00
01	194°29.70'	N 7°05.59'	211°11.20'	01
02	209°29.87'	N 7°06.52'	226°13.66'	02
03	224°30.04'	N 7°07.46'	241°16.13'	03
04	239°30.22'	N 7°08.39'	256°18.59'	04
05	254°30.39'	N 7°09.33'	271°21.05'	05
06	269°30.56'	N 7°10.26'	286°23.52'	06
07	284°30.74'	N 7°11.20'	301°25.98'	07
08	299°30.91'	N 7°12.13'	316°28.45'	08
09	314°31.08'	N 7°13.07'	331°30.91'	09
10	329°31.26'	N 7°14.00'	346°33.37'	10
11	344°31.43'	N 7°14.94'	1°35.84'	11
12	359°31.60'	N 7°15.87'	16°38.30'	12
13	14°31.78'	N 7°16.80'	31°40.77'	13
14	29°31.95'	N 7°17.74'	46°43.23'	14
15	44°32.12'	N 7°18.67'	61°45.69'	15
16	59°32.29'	N 7°19.60'	76°48.16'	16
17	74°32.46'	N 7°20.54'	91°50.62'	17
18	89°32.64'	N 7°21.47'	106°53.09'	18
19	104°32.81'	N 7°22.40'	121°55.55'	19
20	119°32.98'	N 7°23.33'	136°58.02'	20
21	134°33.15'	N 7°24.26'	152°00.48'	21
22	149°33.32'	N 7°25.20'	167°02.94'	22
23	164°33.50'	N 7°26.13'	182°05.41'	23
24	179°33.67'	N 7°27.06'	197°07.87'	24
½Ø 15.9791'		p.h. (π) 0.1500'		
EoT at 12 UT -1m54s				

**9 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°33.67'	N 7°27.06'	197°07.87'	00
01	194°33.84'	N 7°27.99'	212°10.34'	01
02	209°34.01'	N 7°28.92'	227°12.80'	02
03	224°34.18'	N 7°29.85'	242°15.26'	03
04	239°34.35'	N 7°30.78'	257°17.73'	04
05	254°34.52'	N 7°31.71'	272°20.19'	05
06	269°34.69'	N 7°32.64'	287°22.66'	06
07	284°34.86'	N 7°33.57'	302°25.12'	07
08	299°35.03'	N 7°34.50'	317°27.58'	08
09	314°35.20'	N 7°35.43'	332°30.05'	09
10	329°35.38'	N 7°36.36'	347°32.51'	10
11	344°35.55'	N 7°37.29'	2°34.98'	11
12	359°35.72'	N 7°38.21'	17°37.44'	12
13	14°35.89'	N 7°39.14'	32°39.91'	13
14	29°36.06'	N 7°40.07'	47°42.37'	14
15	44°36.23'	N 7°41.00'	62°44.83'	15
16	59°36.39'	N 7°41.93'	77°47.30'	16
17	74°36.56'	N 7°42.85'	92°49.76'	17
18	89°36.73'	N 7°43.78'	107°52.23'	18
19	104°36.90'	N 7°44.71'	122°54.69'	19
20	119°37.07'	N 7°45.63'	137°57.15'	20
21	134°37.24'	N 7°46.56'	152°59.62'	21
22	149°37.41'	N 7°47.49'	168°02.08'	22
23	164°37.58'	N 7°48.41'	183°04.55'	23
24	179°37.75'	N 7°49.34'	198°07.01'	24
½Ø 15.9745'		p.h. (π) 0.1500'		
EoT at 12 UT -1m37s				

**11 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°41.76'	N 8°11.49'	199°06.15'	00
01	194°41.93'	N 8°12.41'	214°08.61'	01
02	209°42.09'	N 8°13.33'	229°11.08'	02
03	224°42.26'	N 8°14.25'	244°13.54'	03
04	239°42.43'	N 8°15.17'	259°16.01'	04
05	254°42.59'	N 8°16.08'	274°18.47'	05
06	269°42.76'	N 8°17.00'	289°20.93'	06
07	284°42.92'	N 8°17.92'	304°23.40'	07
08	299°43.09'	N 8°18.84'	319°25.86'	08
09	314°43.25'	N 8°19.76'	334°28.33'	09
10	329°43.42'	N 8°20.68'	349°30.79'	10
11	344°43.58'	N 8°21.59'	4°33.25'	11
12	359°43.74'	N 8°22.51'	19°35.72'	12
13	14°43.91'	N 8°23.43'	34°38.18'	13
14	29°44.07'	N 8°24.34'	49°40.65'	14
15	44°44.24'	N 8°25.26'	64°43.11'	15
16	59°44.40'	N 8°26.18'	79°45.58'	16
17	74°44.56'	N 8°27.09'	94°48.04'	17
18	89°44.73'	N 8°28.01'	109°50.50'	18
19	104°44.89'	N 8°28.92'	124°52.97'	19
20	119°45.06'	N 8°29.84'	139°55.43'	20
21	134°45.22'	N 8°30.76'	154°57.90'	21
22	149°45.38'	N 8°31.67'	170°00.36'	22
23	164°45.54'	N 8°32.58'	185°02.82'	23
24	179°45.71'	N 8°33.50'	200°05.29'	24
½Ø 15.9655'		p.h. (π) 0.1500'		
EoT at 12 UT -1m5s				

**10 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°37.75'	N 7°49.34'	198°07.01'	00
01	194°37.92'	N 7°50.26'	213°09.47'	01
02	209°38.09'	N 7°51.19'	228°11.94'	02
03	224°38.25'	N 7°52.11'	243°14.40'	03
04	239°38.42'	N 7°53.04'	258°16.87'	04
05	254°38.59'	N 7°53.96'	273°19.33'	05
06	269°38.76'	N 7°54.89'	288°21.80'	06
07	284°38.93'	N 7°55.81'	303°24.26'	07
08	299°39.09'	N 7°56.74'	318°26.72'	08
09	314°39.26'	N 7°57.66'	333°29.19'	09
10	329°39.43'	N 7°58.58'	348°31.65'	10
11	344°39.60'	N 7°59.51'	3°34.12'	11
12	359°39.76'	N 8°00.43'	18°36.58'	12
13	14°39.93'	N 8°01.35'	33°39.04'	13
14	29°40.10'	N 8°02.28'	48°41.51'	14
15	44°40.27'	N 8°03.20'	63°43.97'	15
16	59°40.43'	N 8°04.12'	78°46.44'	16
17	74°40.60'	N 8°05.04'	93°48.90'	17
18	89°40.77'	N 8°05.96'	108°51.36'	18
19	104°40.93'	N 8°06.88'	123°53.83'	19
20	119°41.10'	N 8°07.81'	138°56.29'	20
21	134°41.27'	N 8°08.73'	153°58.76'	21
22	149°41.43'	N 8°09.65'	169°01.22'	22
23	164°41.60'	N 8°10.57'	184°03.69'	23
24	179°41.76'	N 8°11.49'	199°06.15'	24
½Ø 15.9700'		p.h. (π) 0.1500'		
EoT at 12 UT -1m21s				

**12 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°45.71'	N 8°33.50'	200°05.29'	00
01	194°45.87'	N 8°34.41'	215°07.75'	01
02	209°46.03'	N 8°35.33'	230°10.22'	02
03	224°46.20'	N 8°36.24'	245°12.68'	03
04	239°46.36'	N 8°37.15'	260°15.14'	04
05	254°46.52'	N 8°38.07'	275°17.61'	05
06	269°46.68'	N 8°38.98'	290°20.07'	06
07	284°46.84'	N 8°39.89'	305°22.54'	07
08	299°47.01'	N 8°40.80'	320°25.00'	08
09	314°47.17'	N 8°41.72'	335°27.47'	09
10	329°47.33'	N 8°42.63'	350°29.93'	10
11	344°47.49'	N 8°43.54'	5°32.39'	11
12	359°47.65'	N 8°44.45'	20°34.86'	12
13	14°47.81'	N 8°45.36'	35°37.32'	13
14	29°47.97'	N 8°46.27'	50°39.79'	14
15	44°48.14'	N 8°47.18'	65°42.25'	15
16	59°48.30'	N 8°48.09'	80°44.71'	16
17	74°48.46'	N 8°49.00'	95°47.18'	17
18	89°48.62'	N 8°49.91'	110°49.64'	18
19	104°48.78'	N 8°50.82'	125°52.11'	19
20	119°48.94'	N 8°51.73'	140°54.57'	20
21	134°49.10'	N 8°52.64'	155°57.03'	21
22	149°49.26'	N 8°53.55'	170°59.50'	22
23	164°49.42'	N 8°54.46'	186°01.96'	23
24	179°49.58'	N 8°55.37'	201°04.43'	24
½Ø 15.9609'		p.h. (π) 0.1500'		
EoT at 12 UT -0m49s				

**13 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°49.58'	N 8°55.37'	201°04.43'	00
01	194°49.74'	N 8°56.28'	216°06.89'	01
02	209°49.90'	N 8°57.18'	231°09.36'	02
03	224°50.06'	N 8°58.09'	246°11.82'	03
04	239°50.21'	N 8°59.00'	261°14.28'	04
05	254°50.37'	N 8°59.91'	276°16.75'	05
06	269°50.53'	N 9°00.81'	291°19.21'	06
07	284°50.69'	N 9°01.72'	306°21.68'	07
08	299°50.85'	N 9°02.62'	321°24.14'	08
09	314°51.01'	N 9°03.53'	336°26.60'	09
10	329°51.17'	N 9°04.44'	351°29.07'	10
11	344°51.32'	N 9°05.34'	6°31.53'	11
12	359°51.48'	N 9°06.25'	21°34.00'	12
13	14°51.64'	N 9°07.15'	36°36.46'	13
14	29°51.80'	N 9°08.06'	51°38.92'	14
15	44°51.96'	N 9°08.96'	66°41.39'	15
16	59°52.11'	N 9°09.86'	81°43.85'	16
17	74°52.27'	N 9°10.77'	96°46.32'	17
18	89°52.43'	N 9°11.67'	111°48.78'	18
19	104°52.58'	N 9°12.58'	126°51.25'	19
20	119°52.74'	N 9°13.48'	141°53.71'	20
21	134°52.90'	N 9°14.38'	156°56.17'	21
22	149°53.06'	N 9°15.28'	171°58.64'	22
23	164°53.21'	N 9°16.19'	187°01.10'	23
24	179°53.37'	N 9°17.09'	202°03.57'	24
½Ø 15.9564'		p.h. (π) 0.1500'		
EoT at 12 UT -0m34s				

**15 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°57.08'	N 9°38.65'	203°02.70'	00
01	194°57.23'	N 9°39.55'	218°05.17'	01
02	209°57.38'	N 9°40.44'	233°07.63'	02
03	224°57.53'	N 9°41.34'	248°10.10'	03
04	239°57.69'	N 9°42.23'	263°12.56'	04
05	254°57.84'	N 9°43.13'	278°15.03'	05
06	269°57.99'	N 9°44.02'	293°17.49'	06
07	284°58.14'	N 9°44.91'	308°19.95'	07
08	299°58.29'	N 9°45.81'	323°22.42'	08
09	314°58.44'	N 9°46.70'	338°24.88'	09
10	329°58.60'	N 9°47.59'	353°27.35'	10
11	344°58.75'	N 9°48.48'	8°29.81'	11
12	359°58.90'	N 9°49.38'	23°32.27'	12
13	14°59.05'	N 9°50.27'	38°34.74'	13
14	29°59.20'	N 9°51.16'	53°37.20'	14
15	44°59.35'	N 9°52.05'	68°39.67'	15
16	59°59.50'	N 9°52.94'	83°42.13'	16
17	74°59.65'	N 9°53.83'	98°44.59'	17
18	89°59.80'	N 9°54.72'	113°47.06'	18
19	104°59.95'	N 9°55.61'	128°49.52'	19
20	120°00.10'	N 9°56.50'	143°51.99'	20
21	135°00.25'	N 9°57.39'	158°54.45'	21
22	150°00.40'	N 9°58.28'	173°56.92'	22
23	165°00.55'	N 9°59.17'	188°59.38'	23
24	180°00.70'	N 10°00.06'	204°01.84'	24
½Ø 15.9474'		p.h. (π) 0.1500'		
EoT at 12 UT -0m4s				

**14 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°53.37'	N 9°17.09'	202°03.57'	00
01	194°53.52'	N 9°17.99'	217°06.03'	01
02	209°53.68'	N 9°18.89'	232°08.49'	02
03	224°53.84'	N 9°19.79'	247°10.96'	03
04	239°53.99'	N 9°20.69'	262°13.42'	04
05	254°54.15'	N 9°21.59'	277°15.89'	05
06	269°54.30'	N 9°22.49'	292°18.35'	06
07	284°54.46'	N 9°23.39'	307°20.81'	07
08	299°54.61'	N 9°24.29'	322°23.28'	08
09	314°54.77'	N 9°25.19'	337°25.74'	09
10	329°54.92'	N 9°26.09'	352°28.21'	10
11	344°55.08'	N 9°26.99'	7°30.67'	11
12	359°55.23'	N 9°27.89'	22°33.14'	12
13	14°55.39'	N 9°28.79'	37°35.60'	13
14	29°55.54'	N 9°29.69'	52°38.06'	14
15	44°55.70'	N 9°30.58'	67°40.53'	15
16	59°55.85'	N 9°31.48'	82°42.99'	16
17	74°56.00'	N 9°32.38'	97°45.46'	17
18	89°56.16'	N 9°33.28'	112°47.92'	18
19	104°56.31'	N 9°34.17'	127°50.38'	19
20	119°56.46'	N 9°35.07'	142°52.85'	20
21	134°56.62'	N 9°35.97'	157°55.31'	21
22	149°56.77'	N 9°36.86'	172°57.78'	22
23	164°56.92'	N 9°37.76'	188°00.24'	23
24	179°57.08'	N 9°38.65'	203°02.70'	24
½Ø 15.9519'		p.h. (π) 0.1500'		
EoT at 12 UT -0m19s				

**16 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°00.70'	N 10°00.06'	204°01.84'	00
01	195°00.85'	N 10°00.95'	219°04.31'	01
02	210°01.00'	N 10°01.84'	234°06.77'	02
03	225°01.14'	N 10°02.72'	249°09.24'	03
04	240°01.29'	N 10°03.61'	264°11.70'	04
05	255°01.44'	N 10°04.50'	279°14.16'	05
06	270°01.59'	N 10°05.38'	294°16.63'	06
07	285°01.74'	N 10°06.27'	309°19.09'	07
08	300°01.88'	N 10°07.16'	324°21.56'	08
09	315°02.03'	N 10°08.04'	339°24.02'	09
10	330°02.18'	N 10°08.93'	354°26.48'	10
11	345°02.33'	N 10°09.81'	9°28.95'	11
12	0°02.47'	N 10°10.70'	24°31.41'	12
13	15°02.62'	N 10°11.59'	39°33.88'	13
14	30°02.77'	N 10°12.47'	54°36.34'	14
15	45°02.91'	N 10°13.35'	69°38.81'	15
16	60°03.06'	N 10°14.24'	84°41.27'	16
17	75°03.21'	N 10°15.12'	99°43.73'	17
18	90°03.35'	N 10°16.00'	114°46.20'	18
19	105°03.50'	N 10°16.89'	129°48.66'	19
20	120°03.65'	N 10°17.77'	144°51.13'	20
21	135°03.79'	N 10°18.65'	159°53.59'	21
22	150°03.94'	N 10°19.54'	174°56.05'	22
23	165°04.08'	N 10°20.42'	189°58.52'	23
24	180°04.23'	N 10°21.30'	205°00.98'	24
½Ø 15.9430'		p.h. (π) 0.1500'		
EoT at 12 UT +0m10s				

**17 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°04.23'	N 10°21.30'	205°00.98'	00
01	195°04.37'	N 10°22.18'	220°03.45'	01
02	210°04.52'	N 10°23.06'	235°05.91'	02
03	225°04.66'	N 10°23.94'	250°08.37'	03
04	240°04.81'	N 10°24.82'	265°10.84'	04
05	255°04.95'	N 10°25.70'	280°13.30'	05
06	270°05.10'	N 10°26.58'	295°15.77'	06
07	285°05.24'	N 10°27.46'	310°18.23'	07
08	300°05.38'	N 10°28.34'	325°20.70'	08
09	315°05.53'	N 10°29.22'	340°23.16'	09
10	330°05.67'	N 10°30.10'	355°25.62'	10
11	345°05.82'	N 10°30.98'	10°28.09'	11
12	0°05.96'	N 10°31.86'	25°30.55'	12
13	15°06.10'	N 10°32.73'	40°33.02'	13
14	30°06.24'	N 10°33.61'	55°35.48'	14
15	45°06.39'	N 10°34.49'	70°37.94'	15
16	60°06.53'	N 10°35.36'	85°40.41'	16
17	75°06.67'	N 10°36.24'	100°42.87'	17
18	90°06.81'	N 10°37.12'	115°45.34'	18
19	105°06.96'	N 10°37.99'	130°47.80'	19
20	120°07.10'	N 10°38.87'	145°50.26'	20
21	135°07.24'	N 10°39.74'	160°52.73'	21
22	150°07.38'	N 10°40.62'	175°55.19'	22
23	165°07.52'	N 10°41.49'	190°57.66'	23
24	180°07.66'	N 10°42.37'	206°00.12'	24
½Ø 15.9386'		p.h. (π) 0.1500'		
EoT at 12 UT +0m24s				

**19 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°11.00'	N 11°03.26'	206°59.26'	00
01	195°11.14'	N 11°04.13'	222°01.72'	01
02	210°11.28'	N 11°04.99'	237°04.19'	02
03	225°11.41'	N 11°05.86'	252°06.65'	03
04	240°11.55'	N 11°06.73'	267°09.12'	04
05	255°11.69'	N 11°07.59'	282°11.58'	05
06	270°11.82'	N 11°08.46'	297°14.04'	06
07	285°11.96'	N 11°09.32'	312°16.51'	07
08	300°12.09'	N 11°10.18'	327°18.97'	08
09	315°12.23'	N 11°11.05'	342°21.44'	09
10	330°12.37'	N 11°11.91'	357°23.90'	10
11	345°12.50'	N 11°12.78'	12°26.37'	11
12	0°12.64'	N 11°13.64'	27°28.83'	12
13	15°12.77'	N 11°14.50'	42°31.29'	13
14	30°12.91'	N 11°15.36'	57°33.76'	14
15	45°13.04'	N 11°16.23'	72°36.22'	15
16	60°13.17'	N 11°17.09'	87°38.69'	16
17	75°13.31'	N 11°17.95'	102°41.15'	17
18	90°13.44'	N 11°18.81'	117°43.61'	18
19	105°13.58'	N 11°19.67'	132°46.08'	19
20	120°13.71'	N 11°20.53'	147°48.54'	20
21	135°13.84'	N 11°21.39'	162°51.01'	21
22	150°13.98'	N 11°22.25'	177°53.47'	22
23	165°14.11'	N 11°23.11'	192°55.93'	23
24	180°14.24'	N 11°23.97'	207°58.40'	24
½Ø 15.9297'		p.h. (π) 0.1500'		
EoT at 12 UT +0m51s				

**18 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°07.66'	N 10°42.37'	206°00.12'	00
01	195°07.81'	N 10°43.24'	221°02.59'	01
02	210°07.95'	N 10°44.12'	236°05.05'	02
03	225°08.09'	N 10°44.99'	251°07.51'	03
04	240°08.23'	N 10°45.86'	266°09.98'	04
05	255°08.37'	N 10°46.74'	281°12.44'	05
06	270°08.51'	N 10°47.61'	296°14.91'	06
07	285°08.65'	N 10°48.48'	311°17.37'	07
08	300°08.79'	N 10°49.35'	326°19.83'	08
09	315°08.93'	N 10°50.22'	341°22.30'	09
10	330°09.07'	N 10°51.10'	356°24.76'	10
11	345°09.21'	N 10°51.97'	11°27.23'	11
12	0°09.35'	N 10°52.84'	26°29.69'	12
13	15°09.49'	N 10°53.71'	41°32.15'	13
14	30°09.62'	N 10°54.58'	56°34.62'	14
15	45°09.76'	N 10°55.45'	71°37.08'	15
16	60°09.90'	N 10°56.32'	86°39.55'	16
17	75°10.04'	N 10°57.19'	101°42.01'	17
18	90°10.18'	N 10°58.05'	116°44.48'	18
19	105°10.32'	N 10°58.92'	131°46.94'	19
20	120°10.45'	N 10°59.79'	146°49.40'	20
21	135°10.59'	N 11°00.66'	161°51.87'	21
22	150°10.73'	N 11°01.53'	176°54.33'	22
23	165°10.87'	N 11°02.39'	191°56.80'	23
24	180°11.00'	N 11°03.26'	206°59.26'	24
½Ø 15.9341'		p.h. (π) 0.1500'		
EoT at 12 UT +0m37s				

**20 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°14.24'	N 11°23.97'	207°58.40'	00
01	195°14.37'	N 11°24.83'	223°00.86'	01
02	210°14.51'	N 11°25.69'	238°03.33'	02
03	225°14.64'	N 11°26.55'	253°05.79'	03
04	240°14.77'	N 11°27.40'	268°08.26'	04
05	255°14.90'	N 11°28.26'	283°10.72'	05
06	270°15.03'	N 11°29.12'	298°13.18'	06
07	285°15.17'	N 11°29.98'	313°15.65'	07
08	300°15.30'	N 11°30.83'	328°18.11'	08
09	315°15.43'	N 11°31.69'	343°20.58'	09
10	330°15.56'	N 11°32.55'	358°23.04'	10
11	345°15.69'	N 11°33.40'	13°25.50'	11
12	0°15.82'	N 11°34.26'	28°27.97'	12
13	15°15.95'	N 11°35.11'	43°30.43'	13
14	30°16.08'	N 11°35.97'	58°32.90'	14
15	45°16.21'	N 11°36.82'	73°35.36'	15
16	60°16.34'	N 11°37.67'	88°37.82'	16
17	75°16.47'	N 11°38.53'	103°40.29'	17
18	90°16.60'	N 11°39.38'	118°42.75'	18
19	105°16.73'	N 11°40.23'	133°45.22'	19
20	120°16.86'	N 11°41.09'	148°47.68'	20
21	135°16.99'	N 11°41.94'	163°50.15'	21
22	150°17.12'	N 11°42.79'	178°52.61'	22
23	165°17.25'	N 11°43.64'	193°55.07'	23
24	180°17.37'	N 11°44.49'	208°57.54'	24
½Ø 15.9254'		p.h. (π) 0.1500'		
EoT at 12 UT +1m3s				

**21 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°17.37'	N 11°44.49'	208°57.54'	00
01	195°17.50'	N 11°45.34'	224°00.00'	01
02	210°17.63'	N 11°46.19'	239°02.47'	02
03	225°17.76'	N 11°47.05'	254°04.93'	03
04	240°17.89'	N 11°47.90'	269°07.39'	04
05	255°18.01'	N 11°48.74'	284°09.86'	05
06	270°18.14'	N 11°49.59'	299°12.32'	06
07	285°18.27'	N 11°50.44'	314°14.79'	07
08	300°18.40'	N 11°51.29'	329°17.25'	08
09	315°18.52'	N 11°52.14'	344°19.71'	09
10	330°18.65'	N 11°52.99'	359°22.18'	10
11	345°18.77'	N 11°53.84'	14°24.64'	11
12	0°18.90'	N 11°54.68'	29°27.11'	12
13	15°19.03'	N 11°55.53'	44°29.57'	13
14	30°19.15'	N 11°56.38'	59°32.04'	14
15	45°19.28'	N 11°57.22'	74°34.50'	15
16	60°19.40'	N 11°58.07'	89°36.96'	16
17	75°19.53'	N 11°58.91'	104°39.43'	17
18	90°19.65'	N 11°59.76'	119°41.89'	18
19	105°19.78'	N 12°00.60'	134°44.36'	19
20	120°19.90'	N 12°01.45'	149°46.82'	20
21	135°20.03'	N 12°02.29'	164°49.28'	21
22	150°20.15'	N 12°03.14'	179°51.75'	22
23	165°20.28'	N 12°03.98'	194°54.21'	23
24	180°20.40'	N 12°04.82'	209°56.68'	24
½Ø 15.9210'		p.h. (π) 0.1500'		
EoT at 12 UT +1m16s				

**23 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°23.31'	N 12°24.95'	210°55.82'	00
01	195°23.43'	N 12°25.79'	225°58.28'	01
02	210°23.55'	N 12°26.62'	241°00.74'	02
03	225°23.67'	N 12°27.45'	256°03.21'	03
04	240°23.79'	N 12°28.29'	271°05.67'	04
05	255°23.91'	N 12°29.12'	286°08.14'	05
06	270°24.03'	N 12°29.95'	301°10.60'	06
07	285°24.14'	N 12°30.79'	316°13.06'	07
08	300°24.26'	N 12°31.62'	331°15.53'	08
09	315°24.38'	N 12°32.45'	346°17.99'	09
10	330°24.50'	N 12°33.28'	1°20.46'	10
11	345°24.61'	N 12°34.11'	16°22.92'	11
12	0°24.73'	N 12°34.94'	31°25.38'	12
13	15°24.85'	N 12°35.77'	46°27.85'	13
14	30°24.96'	N 12°36.60'	61°30.31'	14
15	45°25.08'	N 12°37.43'	76°32.78'	15
16	60°25.19'	N 12°38.26'	91°35.24'	16
17	75°25.31'	N 12°39.09'	106°37.71'	17
18	90°25.43'	N 12°39.92'	121°40.17'	18
19	105°25.54'	N 12°40.74'	136°42.63'	19
20	120°25.66'	N 12°41.57'	151°45.10'	20
21	135°25.77'	N 12°42.40'	166°47.56'	21
22	150°25.89'	N 12°43.23'	181°50.03'	22
23	165°26.00'	N 12°44.05'	196°52.49'	23
24	180°26.11'	N 12°44.88'	211°54.95'	24
½Ø 15.9124'		p.h. (π) 0.1500'		
EoT at 12 UT +1m39s				

**22 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°20.40'	N 12°04.82'	209°56.68'	00
01	195°20.52'	N 12°05.67'	224°59.14'	01
02	210°20.65'	N 12°06.51'	240°01.60'	02
03	225°20.77'	N 12°07.35'	255°04.07'	03
04	240°20.89'	N 12°08.19'	270°06.53'	04
05	255°21.02'	N 12°09.03'	285°09.00'	05
06	270°21.14'	N 12°09.87'	300°11.46'	06
07	285°21.26'	N 12°10.71'	315°13.93'	07
08	300°21.38'	N 12°11.55'	330°16.39'	08
09	315°21.51'	N 12°12.39'	345°18.85'	09
10	330°21.63'	N 12°13.23'	0°21.32'	10
11	345°21.75'	N 12°14.07'	15°23.78'	11
12	0°21.87'	N 12°14.91'	30°26.25'	12
13	15°21.99'	N 12°15.75'	45°28.71'	13
14	30°22.11'	N 12°16.59'	60°31.17'	14
15	45°22.23'	N 12°17.43'	75°33.64'	15
16	60°22.36'	N 12°18.27'	90°36.10'	16
17	75°22.48'	N 12°19.10'	105°38.57'	17
18	90°22.60'	N 12°19.94'	120°41.03'	18
19	105°22.72'	N 12°20.78'	135°43.49'	19
20	120°22.84'	N 12°21.61'	150°45.96'	20
21	135°22.96'	N 12°22.45'	165°48.42'	21
22	150°23.08'	N 12°23.28'	180°50.89'	22
23	165°23.20'	N 12°24.12'	195°53.35'	23
24	180°23.31'	N 12°24.95'	210°55.82'	24
½Ø 15.9167'		p.h. (π) 0.1500'		
EoT at 12 UT +1m27s				

**24 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°26.11'	N 12°44.88'	211°54.95'	00
01	195°26.23'	N 12°45.70'	226°57.42'	01
02	210°26.34'	N 12°46.53'	241°59.88'	02
03	225°26.46'	N 12°47.35'	257°02.35'	03
04	240°26.57'	N 12°48.18'	272°04.81'	04
05	255°26.68'	N 12°49.00'	287°07.27'	05
06	270°26.80'	N 12°49.83'	302°09.74'	06
07	285°26.91'	N 12°50.65'	317°12.20'	07
08	300°27.02'	N 12°51.47'	332°14.67'	08
09	315°27.13'	N 12°52.30'	347°17.13'	09
10	330°27.25'	N 12°53.12'	2°19.60'	10
11	345°27.36'	N 12°53.94'	17°22.06'	11
12	0°27.47'	N 12°54.76'	32°24.52'	12
13	15°27.58'	N 12°55.58'	47°26.99'	13
14	30°27.69'	N 12°56.41'	62°29.45'	14
15	45°27.81'	N 12°57.23'	77°31.92'	15
16	60°27.92'	N 12°58.05'	92°34.38'	16
17	75°28.03'	N 12°58.87'	107°36.84'	17
18	90°28.14'	N 12°59.69'	122°39.31'	18
19	105°28.25'	N 13°00.51'	137°41.77'	19
20	120°28.36'	N 13°01.32'	152°44.24'	20
21	135°28.47'	N 13°02.14'	167°46.70'	21
22	150°28.58'	N 13°02.96'	182°49.16'	22
23	165°28.69'	N 13°03.78'	197°51.63'	23
24	180°28.80'	N 13°04.60'	212°54.09'	24
½Ø 15.9082'		p.h. (π) 0.1500'		
EoT at 12 UT +1m50s				

**25 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°28.80'	N 13°04.60'	212°54.09'	00
01	195°28.91'	N 13°05.41'	227°56.56'	01
02	210°29.02'	N 13°06.23'	242°59.02'	02
03	225°29.12'	N 13°07.04'	258°01.49'	03
04	240°29.23'	N 13°07.86'	273°03.95'	04
05	255°29.34'	N 13°08.68'	288°06.41'	05
06	270°29.45'	N 13°09.49'	303°08.88'	06
07	285°29.56'	N 13°10.31'	318°11.34'	07
08	300°29.67'	N 13°11.12'	333°13.81'	08
09	315°29.77'	N 13°11.93'	348°16.27'	09
10	330°29.88'	N 13°12.75'	3°18.73'	10
11	345°29.99'	N 13°13.56'	18°21.20'	11
12	0°30.09'	N 13°14.37'	33°23.66'	12
13	15°30.20'	N 13°15.19'	48°26.13'	13
14	30°30.31'	N 13°16.00'	63°28.59'	14
15	45°30.41'	N 13°16.81'	78°31.05'	15
16	60°30.52'	N 13°17.62'	93°33.52'	16
17	75°30.63'	N 13°18.43'	108°35.98'	17
18	90°30.73'	N 13°19.24'	123°38.45'	18
19	105°30.84'	N 13°20.05'	138°40.91'	19
20	120°30.94'	N 13°20.86'	153°43.38'	20
21	135°31.05'	N 13°21.67'	168°45.84'	21
22	150°31.15'	N 13°22.48'	183°48.30'	22
23	165°31.26'	N 13°23.29'	198°50.77'	23
24	180°31.36'	N 13°24.10'	213°53.23'	24
½Ø 15.9040'		p.h. (π) 0.1500'		
EoT at 12 UT +2m0s				

**27 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°33.80'	N 13°43.38'	214°52.37'	00
01	195°33.90'	N 13°44.18'	229°54.83'	01
02	210°34.00'	N 13°44.97'	244°57.30'	02
03	225°34.10'	N 13°45.77'	259°59.76'	03
04	240°34.20'	N 13°46.57'	275°02.23'	04
05	255°34.30'	N 13°47.37'	290°04.69'	05
06	270°34.39'	N 13°48.16'	305°07.16'	06
07	285°34.49'	N 13°48.96'	320°09.62'	07
08	300°34.59'	N 13°49.75'	335°12.08'	08
09	315°34.69'	N 13°50.55'	350°14.55'	09
10	330°34.78'	N 13°51.34'	5°17.01'	10
11	345°34.88'	N 13°52.14'	20°19.48'	11
12	0°34.98'	N 13°52.93'	35°21.94'	12
13	15°35.07'	N 13°53.73'	50°24.40'	13
14	30°35.17'	N 13°54.52'	65°26.87'	14
15	45°35.27'	N 13°55.31'	80°29.33'	15
16	60°35.36'	N 13°56.11'	95°31.80'	16
17	75°35.46'	N 13°56.90'	110°34.26'	17
18	90°35.55'	N 13°57.69'	125°36.72'	18
19	105°35.65'	N 13°58.48'	140°39.19'	19
20	120°35.74'	N 13°59.27'	155°41.65'	20
21	135°35.84'	N 14°00.06'	170°44.12'	21
22	150°35.93'	N 14°00.85'	185°46.58'	22
23	165°36.03'	N 14°01.64'	200°49.05'	23
24	180°36.12'	N 14°02.43'	215°51.51'	24
½Ø 15.8956'		p.h. (π) 0.1500'		
EoT at 12 UT +2m20s				

**26 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°31.36'	N 13°24.10'	213°53.23'	00
01	195°31.47'	N 13°24.90'	228°55.70'	01
02	210°31.57'	N 13°25.71'	243°58.16'	02
03	225°31.67'	N 13°26.52'	259°00.62'	03
04	240°31.78'	N 13°27.33'	274°03.09'	04
05	255°31.88'	N 13°28.13'	289°05.55'	05
06	270°31.98'	N 13°28.94'	304°08.02'	06
07	285°32.09'	N 13°29.74'	319°10.48'	07
08	300°32.19'	N 13°30.55'	334°12.94'	08
09	315°32.29'	N 13°31.35'	349°15.41'	09
10	330°32.39'	N 13°32.16'	4°17.87'	10
11	345°32.50'	N 13°32.96'	19°20.34'	11
12	0°32.60'	N 13°33.76'	34°22.80'	12
13	15°32.70'	N 13°34.57'	49°25.27'	13
14	30°32.80'	N 13°35.37'	64°27.73'	14
15	45°32.90'	N 13°36.17'	79°30.19'	15
16	60°33.00'	N 13°36.97'	94°32.66'	16
17	75°33.10'	N 13°37.78'	109°35.12'	17
18	90°33.20'	N 13°38.58'	124°37.59'	18
19	105°33.30'	N 13°39.38'	139°40.05'	19
20	120°33.40'	N 13°40.18'	154°42.51'	20
21	135°33.50'	N 13°40.98'	169°44.98'	21
22	150°33.60'	N 13°41.78'	184°47.44'	22
23	165°33.70'	N 13°42.58'	199°49.91'	23
24	180°33.80'	N 13°43.38'	214°52.37'	24
½Ø 15.8998'		p.h. (π) 0.1500'		
EoT at 12 UT +2m10s				

**28 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°36.12'	N 14°02.43'	215°51.51'	00
01	195°36.21'	N 14°03.22'	230°53.97'	01
02	210°36.31'	N 14°04.01'	245°56.44'	02
03	225°36.40'	N 14°04.80'	260°58.90'	03
04	240°36.49'	N 14°05.58'	276°01.37'	04
05	255°36.59'	N 14°06.37'	291°03.83'	05
06	270°36.68'	N 14°07.16'	306°06.29'	06
07	285°36.77'	N 14°07.95'	321°08.76'	07
08	300°36.86'	N 14°08.73'	336°11.22'	08
09	315°36.96'	N 14°09.52'	351°13.69'	09
10	330°37.05'	N 14°10.30'	6°16.15'	10
11	345°37.14'	N 14°11.09'	21°18.61'	11
12	0°37.23'	N 14°11.87'	36°21.08'	12
13	15°37.32'	N 14°12.66'	51°23.54'	13
14	30°37.41'	N 14°13.44'	66°26.01'	14
15	45°37.50'	N 14°14.22'	81°28.47'	15
16	60°37.59'	N 14°15.01'	96°30.94'	16
17	75°37.68'	N 14°15.79'	111°33.40'	17
18	90°37.77'	N 14°16.57'	126°35.86'	18
19	105°37.86'	N 14°17.35'	141°38.33'	19
20	120°37.95'	N 14°18.13'	156°40.79'	20
21	135°38.04'	N 14°18.91'	171°43.26'	21
22	150°38.13'	N 14°19.69'	186°45.72'	22
23	165°38.22'	N 14°20.47'	201°48.18'	23
24	180°38.31'	N 14°21.25'	216°50.65'	24
½Ø 15.8915'		p.h. (π) 0.1500'		
EoT at 12 UT +2m29s				

**29 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°38.31'	N 14°21.25'	216°50.65'	00
01	195°38.40'	N 14°22.03'	231°53.11'	01
02	210°38.49'	N 14°22.81'	246°55.58'	02
03	225°38.57'	N 14°23.59'	261°58.04'	03
04	240°38.66'	N 14°24.37'	277°00.50'	04
05	255°38.75'	N 14°25.15'	292°02.97'	05
06	270°38.84'	N 14°25.92'	307°05.43'	06
07	285°38.92'	N 14°26.70'	322°07.90'	07
08	300°39.01'	N 14°27.48'	337°10.36'	08
09	315°39.10'	N 14°28.25'	352°12.83'	09
10	330°39.18'	N 14°29.03'	7°15.29'	10
11	345°39.27'	N 14°29.80'	22°17.75'	11
12	0°39.35'	N 14°30.58'	37°20.22'	12
13	15°39.44'	N 14°31.35'	52°22.68'	13
14	30°39.53'	N 14°32.13'	67°25.15'	14
15	45°39.61'	N 14°32.90'	82°27.61'	15
16	60°39.70'	N 14°33.67'	97°30.07'	16
17	75°39.78'	N 14°34.44'	112°32.54'	17
18	90°39.87'	N 14°35.22'	127°35.00'	18
19	105°39.95'	N 14°35.99'	142°37.47'	19
20	120°40.03'	N 14°36.76'	157°39.93'	20
21	135°40.12'	N 14°37.53'	172°42.39'	21
22	150°40.20'	N 14°38.30'	187°44.86'	22
23	165°40.29'	N 14°39.07'	202°47.32'	23
24	180°40.37'	N 14°39.84'	217°49.79'	24
½Ø 15.8874'		p.h. (π) 0.1500'		
EoT at 12 UT +2m37s				

**30 avril 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°40.37'	N 14°39.84'	217°49.79'	00
01	195°40.45'	N 14°40.61'	232°52.25'	01
02	210°40.53'	N 14°41.38'	247°54.72'	02
03	225°40.62'	N 14°42.15'	262°57.18'	03
04	240°40.70'	N 14°42.92'	277°59.64'	04
05	255°40.78'	N 14°43.68'	293°02.11'	05
06	270°40.86'	N 14°44.45'	308°04.57'	06
07	285°40.94'	N 14°45.22'	323°07.04'	07
08	300°41.03'	N 14°45.98'	338°09.50'	08
09	315°41.11'	N 14°46.75'	353°11.96'	09
10	330°41.19'	N 14°47.51'	8°14.43'	10
11	345°41.27'	N 14°48.28'	23°16.89'	11
12	0°41.35'	N 14°49.04'	38°19.36'	12
13	15°41.43'	N 14°49.81'	53°21.82'	13
14	30°41.51'	N 14°50.57'	68°24.29'	14
15	45°41.59'	N 14°51.33'	83°26.75'	15
16	60°41.67'	N 14°52.10'	98°29.21'	16
17	75°41.75'	N 14°52.86'	113°31.68'	17
18	90°41.83'	N 14°53.62'	128°34.14'	18
19	105°41.91'	N 14°54.38'	143°36.61'	19
20	120°41.98'	N 14°55.14'	158°39.07'	20
21	135°42.06'	N 14°55.91'	173°41.53'	21
22	150°42.14'	N 14°56.67'	188°44.00'	22
23	165°42.22'	N 14°57.43'	203°46.46'	23
24	180°42.30'	N 14°58.19'	218°48.93'	24
½Ø 15.8833'		p.h. (π) 0.1500'		
EoT at 12 UT +2m45s				



**1er mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°42.30'	N 14°58.19'	218°48.93'	00
01	195°42.37'	N 14°58.94'	233°51.39'	01
02	210°42.45'	N 14°59.70'	248°53.85'	02
03	225°42.53'	N 15°00.46'	263°56.32'	03
04	240°42.61'	N 15°01.22'	278°58.78'	04
05	255°42.68'	N 15°01.98'	294°01.25'	05
06	270°42.76'	N 15°02.73'	309°03.71'	06
07	285°42.83'	N 15°03.49'	324°06.18'	07
08	300°42.91'	N 15°04.25'	339°08.64'	08
09	315°42.99'	N 15°05.00'	354°11.10'	09
10	330°43.06'	N 15°05.76'	9°13.57'	10
11	345°43.14'	N 15°06.51'	24°16.03'	11
12	0°43.21'	N 15°07.26'	39°18.50'	12
13	15°43.29'	N 15°08.02'	54°20.96'	13
14	30°43.36'	N 15°08.77'	69°23.42'	14
15	45°43.43'	N 15°09.52'	84°25.89'	15
16	60°43.51'	N 15°10.28'	99°28.35'	16
17	75°43.58'	N 15°11.03'	114°30.82'	17
18	90°43.66'	N 15°11.78'	129°33.28'	18
19	105°43.73'	N 15°12.53'	144°35.74'	19
20	120°43.80'	N 15°13.28'	159°38.21'	20
21	135°43.88'	N 15°14.03'	174°40.67'	21
22	150°43.95'	N 15°14.78'	189°43.14'	22
23	165°44.02'	N 15°15.53'	204°45.60'	23
24	180°44.09'	N 15°16.28'	219°48.07'	24
½Ø 15.8793'		p.h. (π) 0.1500'		
EoT at 12 UT +2m53s				

**3 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°45.75'	N 15°34.13'	220°47.20'	00
01	195°45.82'	N 15°34.86'	235°49.67'	01
02	210°45.88'	N 15°35.60'	250°52.13'	02
03	225°45.95'	N 15°36.34'	265°54.60'	03
04	240°46.02'	N 15°37.08'	280°57.06'	04
05	255°46.08'	N 15°37.81'	295°59.52'	05
06	270°46.15'	N 15°38.55'	311°01.99'	06
07	285°46.21'	N 15°39.28'	326°04.45'	07
08	300°46.28'	N 15°40.02'	341°06.92'	08
09	315°46.34'	N 15°40.75'	356°09.38'	09
10	330°46.40'	N 15°41.49'	11°11.85'	10
11	345°46.47'	N 15°42.22'	26°14.31'	11
12	0°46.53'	N 15°42.95'	41°16.77'	12
13	15°46.60'	N 15°43.68'	56°19.24'	13
14	30°46.66'	N 15°44.42'	71°21.70'	14
15	45°46.72'	N 15°45.15'	86°24.17'	15
16	60°46.78'	N 15°45.88'	101°26.63'	16
17	75°46.85'	N 15°46.61'	116°29.09'	17
18	90°46.91'	N 15°47.34'	131°31.56'	18
19	105°46.97'	N 15°48.07'	146°34.02'	19
20	120°47.03'	N 15°48.80'	161°36.49'	20
21	135°47.09'	N 15°49.53'	176°38.95'	21
22	150°47.15'	N 15°50.26'	191°41.41'	22
23	165°47.22'	N 15°50.98'	206°43.88'	23
24	180°47.28'	N 15°51.71'	221°46.34'	24
½Ø 15.8713'		p.h. (π) 0.1500'		
EoT at 12 UT +3m6s				

**2 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°44.09'	N 15°16.28'	219°48.07'	00
01	195°44.16'	N 15°17.03'	234°50.53'	01
02	210°44.24'	N 15°17.78'	249°52.99'	02
03	225°44.31'	N 15°18.53'	264°55.46'	03
04	240°44.38'	N 15°19.27'	279°57.92'	04
05	255°44.45'	N 15°20.02'	295°00.39'	05
06	270°44.52'	N 15°20.77'	310°02.85'	06
07	285°44.59'	N 15°21.51'	325°05.31'	07
08	300°44.66'	N 15°22.26'	340°07.78'	08
09	315°44.73'	N 15°23.00'	355°10.24'	09
10	330°44.80'	N 15°23.75'	10°12.71'	10
11	345°44.87'	N 15°24.49'	25°15.17'	11
12	0°44.94'	N 15°25.24'	40°17.63'	12
13	15°45.01'	N 15°25.98'	55°20.10'	13
14	30°45.08'	N 15°26.72'	70°22.56'	14
15	45°45.15'	N 15°27.46'	85°25.03'	15
16	60°45.21'	N 15°28.21'	100°27.49'	16
17	75°45.28'	N 15°28.95'	115°29.96'	17
18	90°45.35'	N 15°29.69'	130°32.42'	18
19	105°45.42'	N 15°30.43'	145°34.88'	19
20	120°45.49'	N 15°31.17'	160°37.35'	20
21	135°45.55'	N 15°31.91'	175°39.81'	21
22	150°45.62'	N 15°32.65'	190°42.28'	22
23	165°45.69'	N 15°33.39'	205°44.74'	23
24	180°45.75'	N 15°34.13'	220°47.20'	24
½Ø 15.8753'		p.h. (π) 0.1500'		
EoT at 12 UT +2m60s				

**4 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°47.28'	N 15°51.71'	221°46.34'	00
01	195°47.34'	N 15°52.44'	236°48.81'	01
02	210°47.40'	N 15°53.17'	251°51.27'	02
03	225°47.46'	N 15°53.89'	266°53.74'	03
04	240°47.52'	N 15°54.62'	281°56.20'	04
05	255°47.58'	N 15°55.34'	296°58.66'	05
06	270°47.64'	N 15°56.07'	312°01.13'	06
07	285°47.69'	N 15°56.79'	327°03.59'	07
08	300°47.75'	N 15°57.52'	342°06.06'	08
09	315°47.81'	N 15°58.24'	357°08.52'	09
10	330°47.87'	N 15°58.96'	12°10.98'	10
11	345°47.93'	N 15°59.69'	27°13.45'	11
12	0°47.99'	N 16°00.41'	42°15.91'	12
13	15°48.04'	N 16°01.13'	57°18.38'	13
14	30°48.10'	N 16°01.85'	72°20.84'	14
15	45°48.16'	N 16°02.57'	87°23.30'	15
16	60°48.22'	N 16°03.29'	102°25.77'	16
17	75°48.27'	N 16°04.01'	117°28.23'	17
18	90°48.33'	N 16°04.73'	132°30.70'	18
19	105°48.38'	N 16°05.45'	147°33.16'	19
20	120°48.44'	N 16°06.17'	162°35.63'	20
21	135°48.50'	N 16°06.88'	177°38.09'	21
22	150°48.55'	N 16°07.60'	192°40.55'	22
23	165°48.61'	N 16°08.32'	207°43.02'	23
24	180°48.66'	N 16°09.04'	222°45.48'	24
½Ø 15.8674'		p.h. (π) 0.1500'		
EoT at 12 UT +3m12s				

**5 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°48.66'	N 16°09.04'	222°45.48'	00
01	195°48.72'	N 16°09.75'	237°47.95'	01
02	210°48.77'	N 16°10.47'	252°50.41'	02
03	225°48.83'	N 16°11.18'	267°52.87'	03
04	240°48.88'	N 16°11.90'	282°55.34'	04
05	255°48.93'	N 16°12.61'	297°57.80'	05
06	270°48.99'	N 16°13.32'	313°00.27'	06
07	285°49.04'	N 16°14.04'	328°02.73'	07
08	300°49.09'	N 16°14.75'	343°05.19'	08
09	315°49.15'	N 16°15.46'	358°07.66'	09
10	330°49.20'	N 16°16.17'	13°10.12'	10
11	345°49.25'	N 16°16.89'	28°12.59'	11
12	0°49.30'	N 16°17.60'	43°15.05'	12
13	15°49.35'	N 16°18.31'	58°17.52'	13
14	30°49.41'	N 16°19.02'	73°19.98'	14
15	45°49.46'	N 16°19.73'	88°22.44'	15
16	60°49.51'	N 16°20.44'	103°24.91'	16
17	75°49.56'	N 16°21.14'	118°27.37'	17
18	90°49.61'	N 16°21.85'	133°29.84'	18
19	105°49.66'	N 16°22.56'	148°32.30'	19
20	120°49.71'	N 16°23.27'	163°34.76'	20
21	135°49.76'	N 16°23.97'	178°37.23'	21
22	150°49.81'	N 16°24.68'	193°39.69'	22
23	165°49.86'	N 16°25.39'	208°42.16'	23
24	180°49.91'	N 16°26.09'	223°44.62'	24
½Ø 15.8636'		p.h. (π) 0.1500'		
EoT at 12 UT +3m17s				

**7 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°51.01'	N 16°42.87'	224°43.76'	00
01	195°51.06'	N 16°43.57'	239°46.22'	01
02	210°51.10'	N 16°44.26'	254°48.69'	02
03	225°51.14'	N 16°44.95'	269°51.15'	03
04	240°51.18'	N 16°45.64'	284°53.62'	04
05	255°51.23'	N 16°46.33'	299°56.08'	05
06	270°51.27'	N 16°47.02'	314°58.54'	06
07	285°51.31'	N 16°47.72'	330°01.01'	07
08	300°51.35'	N 16°48.40'	345°03.47'	08
09	315°51.39'	N 16°49.09'	0°05.94'	09
10	330°51.43'	N 16°49.78'	15°08.40'	10
11	345°51.47'	N 16°50.47'	30°10.86'	11
12	0°51.51'	N 16°51.16'	45°13.33'	12
13	15°51.55'	N 16°51.85'	60°15.79'	13
14	30°51.59'	N 16°52.53'	75°18.26'	14
15	45°51.63'	N 16°53.22'	90°20.72'	15
16	60°51.67'	N 16°53.91'	105°23.19'	16
17	75°51.71'	N 16°54.59'	120°25.65'	17
18	90°51.75'	N 16°55.28'	135°28.11'	18
19	105°51.79'	N 16°55.96'	150°30.58'	19
20	120°51.83'	N 16°56.64'	165°33.04'	20
21	135°51.87'	N 16°57.33'	180°35.51'	21
22	150°51.90'	N 16°58.01'	195°37.97'	22
23	165°51.94'	N 16°58.69'	210°40.43'	23
24	180°51.98'	N 16°59.38'	225°42.90'	24
½Ø 15.8560'		p.h. (π) 0.1500'		
EoT at 12 UT +3m26s				

**6 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°49.91'	N 16°26.09'	223°44.62'	00
01	195°49.96'	N 16°26.80'	238°47.08'	01
02	210°50.01'	N 16°27.50'	253°49.55'	02
03	225°50.05'	N 16°28.20'	268°52.01'	03
04	240°50.10'	N 16°28.91'	283°54.48'	04
05	255°50.15'	N 16°29.61'	298°56.94'	05
06	270°50.20'	N 16°30.31'	313°59.41'	06
07	285°50.25'	N 16°31.01'	329°01.87'	07
08	300°50.29'	N 16°31.72'	344°04.33'	08
09	315°50.34'	N 16°32.42'	359°06.80'	09
10	330°50.39'	N 16°33.12'	14°09.26'	10
11	345°50.43'	N 16°33.82'	29°11.73'	11
12	0°50.48'	N 16°34.52'	44°14.19'	12
13	15°50.52'	N 16°35.22'	59°16.65'	13
14	30°50.57'	N 16°35.91'	74°19.12'	14
15	45°50.62'	N 16°36.61'	89°21.58'	15
16	60°50.66'	N 16°37.31'	104°24.05'	16
17	75°50.71'	N 16°38.01'	119°26.51'	17
18	90°50.75'	N 16°38.70'	134°28.97'	18
19	105°50.80'	N 16°39.40'	149°31.44'	19
20	120°50.84'	N 16°40.09'	164°33.90'	20
21	135°50.88'	N 16°40.79'	179°36.37'	21
22	150°50.93'	N 16°41.48'	194°38.83'	22
23	165°50.97'	N 16°42.18'	209°41.30'	23
24	180°51.01'	N 16°42.87'	224°43.76'	24
½Ø 15.8598'		p.h. (π) 0.1500'		
EoT at 12 UT +3m22s				

**8 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°51.98'	N 16°59.38'	225°42.90'	00
01	195°52.02'	N 17°00.06'	240°45.36'	01
02	210°52.05'	N 17°00.74'	255°47.83'	02
03	225°52.09'	N 17°01.42'	270°50.29'	03
04	240°52.13'	N 17°02.10'	285°52.75'	04
05	255°52.16'	N 17°02.78'	300°55.22'	05
06	270°52.20'	N 17°03.46'	315°57.68'	06
07	285°52.23'	N 17°04.14'	331°00.15'	07
08	300°52.27'	N 17°04.81'	346°02.61'	08
09	315°52.30'	N 17°05.49'	1°05.08'	09
10	330°52.34'	N 17°06.17'	16°07.54'	10
11	345°52.37'	N 17°06.85'	31°10.00'	11
12	0°52.41'	N 17°07.52'	46°12.47'	12
13	15°52.44'	N 17°08.20'	61°14.93'	13
14	30°52.48'	N 17°08.87'	76°17.40'	14
15	45°52.51'	N 17°09.55'	91°19.86'	15
16	60°52.54'	N 17°10.22'	106°22.32'	16
17	75°52.58'	N 17°10.89'	121°24.79'	17
18	90°52.61'	N 17°11.57'	136°27.25'	18
19	105°52.64'	N 17°12.24'	151°29.72'	19
20	120°52.67'	N 17°12.91'	166°32.18'	20
21	135°52.71'	N 17°13.58'	181°34.64'	21
22	150°52.74'	N 17°14.25'	196°37.11'	22
23	165°52.77'	N 17°14.93'	211°39.57'	23
24	180°52.80'	N 17°15.60'	226°42.04'	24
½Ø 15.8522'		p.h. (π) 0.1500'		
EoT at 12 UT +3m30s				

9 mai 2010

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	180°52.80'	N 17°15.60'	226°42.04'	00
01	195°52.83'	N 17°16.27'	241°44.50'	01
02	210°52.86'	N 17°16.93'	256°46.97'	02
03	225°52.89'	N 17°17.60'	271°49.43'	03
04	240°52.92'	N 17°18.27'	286°51.89'	04
05	255°52.95'	N 17°18.94'	301°54.36'	05
06	270°52.98'	N 17°19.61'	316°56.82'	06
07	285°53.01'	N 17°20.27'	331°59.29'	07
08	300°53.04'	N 17°20.94'	347°01.75'	08
09	315°53.07'	N 17°21.60'	2°04.21'	09
10	330°53.10'	N 17°22.27'	17°06.68'	10
11	345°53.13'	N 17°22.93'	32°09.14'	11
12	0°53.16'	N 17°23.60'	47°11.61'	12
13	15°53.19'	N 17°24.26'	62°14.07'	13
14	30°53.22'	N 17°24.92'	77°16.53'	14
15	45°53.24'	N 17°25.59'	92°19.00'	15
16	60°53.27'	N 17°26.25'	107°21.46'	16
17	75°53.30'	N 17°26.91'	122°23.93'	17
18	90°53.33'	N 17°27.57'	137°26.39'	18
19	105°53.35'	N 17°28.23'	152°28.86'	19
20	120°53.38'	N 17°28.89'	167°31.32'	20
21	135°53.40'	N 17°29.55'	182°33.78'	21
22	150°53.43'	N 17°30.21'	197°36.25'	22
23	165°53.46'	N 17°30.87'	212°38.71'	23
24	180°53.48'	N 17°31.53'	227°41.18'	24
½Ø 15.8485' p.h. (π) 0.1500'				
EoT at 12 UT +3m33s				

11 mai 2010

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	180°54.02'	N 17°47.16'	228°40.31'	00
01	195°54.04'	N 17°47.81'	243°42.78'	01
02	210°54.06'	N 17°48.45'	258°45.24'	02
03	225°54.08'	N 17°49.10'	273°47.71'	03
04	240°54.09'	N 17°49.74'	288°50.17'	04
05	255°54.11'	N 17°50.39'	303°52.64'	05
06	270°54.13'	N 17°51.03'	318°55.10'	06
07	285°54.15'	N 17°51.67'	333°57.56'	07
08	300°54.17'	N 17°52.31'	349°00.03'	08
09	315°54.18'	N 17°52.95'	4°02.49'	09
10	330°54.20'	N 17°53.59'	19°04.96'	10
11	345°54.22'	N 17°54.23'	34°07.42'	11
12	0°54.23'	N 17°54.87'	49°09.88'	12
13	15°54.25'	N 17°55.51'	64°12.35'	13
14	30°54.27'	N 17°56.15'	79°14.81'	14
15	45°54.28'	N 17°56.79'	94°17.28'	15
16	60°54.30'	N 17°57.42'	109°19.74'	16
17	75°54.31'	N 17°58.06'	124°22.20'	17
18	90°54.33'	N 17°58.70'	139°24.67'	18
19	105°54.34'	N 17°59.33'	154°27.13'	19
20	120°54.36'	N 17°59.97'	169°29.60'	20
21	135°54.37'	N 18°00.60'	184°32.06'	21
22	150°54.39'	N 18°01.24'	199°34.53'	22
23	165°54.40'	N 18°01.87'	214°36.99'	23
24	180°54.41'	N 18°02.50'	229°39.45'	24
½Ø 15.8413' p.h. (π) 0.1500'				
EoT at 12 UT +3m37s				

10 mai 2010

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	180°53.48'	N 17°31.53'	227°41.18'	00
01	195°53.51'	N 17°32.18'	242°43.64'	01
02	210°53.53'	N 17°32.84'	257°46.10'	02
03	225°53.56'	N 17°33.50'	272°48.57'	03
04	240°53.58'	N 17°34.15'	287°51.03'	04
05	255°53.61'	N 17°34.81'	302°53.50'	05
06	270°53.63'	N 17°35.46'	317°55.96'	06
07	285°53.65'	N 17°36.12'	332°58.42'	07
08	300°53.68'	N 17°36.77'	348°00.89'	08
09	315°53.70'	N 17°37.43'	3°03.35'	09
10	330°53.72'	N 17°38.08'	18°05.82'	10
11	345°53.75'	N 17°38.73'	33°08.28'	11
12	0°53.77'	N 17°39.38'	48°10.75'	12
13	15°53.79'	N 17°40.03'	63°13.21'	13
14	30°53.81'	N 17°40.69'	78°15.67'	14
15	45°53.83'	N 17°41.34'	93°18.14'	15
16	60°53.86'	N 17°41.99'	108°20.60'	16
17	75°53.88'	N 17°42.63'	123°23.07'	17
18	90°53.90'	N 17°43.28'	138°25.53'	18
19	105°53.92'	N 17°43.93'	153°27.99'	19
20	120°53.94'	N 17°44.58'	168°30.46'	20
21	135°53.96'	N 17°45.23'	183°32.92'	21
22	150°53.98'	N 17°45.87'	198°35.39'	22
23	165°54.00'	N 17°46.52'	213°37.85'	23
24	180°54.02'	N 17°47.16'	228°40.31'	24
½Ø 15.8449' p.h. (π) 0.1500'				
EoT at 12 UT +3m35s				

12 mai 2010

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	180°54.41'	N 18°02.50'	229°39.45'	00
01	195°54.43'	N 18°03.14'	244°41.92'	01
02	210°54.44'	N 18°03.77'	259°44.38'	02
03	225°54.45'	N 18°04.40'	274°46.85'	03
04	240°54.47'	N 18°05.03'	289°49.31'	04
05	255°54.48'	N 18°05.66'	304°51.77'	05
06	270°54.49'	N 18°06.29'	319°54.24'	06
07	285°54.50'	N 18°06.92'	334°56.70'	07
08	300°54.51'	N 18°07.55'	349°59.17'	08
09	315°54.52'	N 18°08.18'	5°01.63'	09
10	330°54.54'	N 18°08.81'	20°04.09'	10
11	345°54.55'	N 18°09.43'	35°06.56'	11
12	0°54.56'	N 18°10.06'	50°09.02'	12
13	15°54.57'	N 18°10.69'	65°11.49'	13
14	30°54.58'	N 18°11.31'	80°13.95'	14
15	45°54.59'	N 18°11.94'	95°16.42'	15
16	60°54.60'	N 18°12.56'	110°18.88'	16
17	75°54.61'	N 18°13.19'	125°21.34'	17
18	90°54.62'	N 18°13.81'	140°23.81'	18
19	105°54.62'	N 18°14.43'	155°26.27'	19
20	120°54.63'	N 18°15.06'	170°28.74'	20
21	135°54.64'	N 18°15.68'	185°31.20'	21
22	150°54.65'	N 18°16.30'	200°33.66'	22
23	165°54.66'	N 18°16.92'	215°36.13'	23
24	180°54.67'	N 18°17.54'	230°38.59'	24
½Ø 15.8378' p.h. (π) 0.1500'				
EoT at 12 UT +3m38s				

**13 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°54.67'	N 18°17.54'	230°38.59'	00
01	195°54.67'	N 18°18.16'	245°41.06'	01
02	210°54.68'	N 18°18.78'	260°43.52'	02
03	225°54.69'	N 18°19.40'	275°45.98'	03
04	240°54.69'	N 18°20.02'	290°48.45'	04
05	255°54.70'	N 18°20.63'	305°50.91'	05
06	270°54.71'	N 18°21.25'	320°53.38'	06
07	285°54.71'	N 18°21.87'	335°55.84'	07
08	300°54.72'	N 18°22.48'	350°58.31'	08
09	315°54.72'	N 18°23.10'	6°00.77'	09
10	330°54.73'	N 18°23.72'	21°03.23'	10
11	345°54.73'	N 18°24.33'	36°05.70'	11
12	0°54.74'	N 18°24.94'	51°08.16'	12
13	15°54.74'	N 18°25.56'	66°10.63'	13
14	30°54.75'	N 18°26.17'	81°13.09'	14
15	45°54.75'	N 18°26.78'	96°15.55'	15
16	60°54.75'	N 18°27.39'	111°18.02'	16
17	75°54.76'	N 18°28.01'	126°20.48'	17
18	90°54.76'	N 18°28.62'	141°22.95'	18
19	105°54.76'	N 18°29.23'	156°25.41'	19
20	120°54.77'	N 18°29.84'	171°27.87'	20
21	135°54.77'	N 18°30.45'	186°30.34'	21
22	150°54.77'	N 18°31.05'	201°32.80'	22
23	165°54.77'	N 18°31.66'	216°35.27'	23
24	180°54.77'	N 18°32.27'	231°37.73'	24
½Ø 15.8343'		p.h. (π) 0.1500'		
EoT at 12 UT +3m39s				

**15 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°54.74'	N 18°46.69'	232°36.87'	00
01	195°54.74'	N 18°47.28'	247°39.33'	01
02	210°54.73'	N 18°47.87'	262°41.80'	02
03	225°54.73'	N 18°48.47'	277°44.26'	03
04	240°54.72'	N 18°49.06'	292°46.73'	04
05	255°54.72'	N 18°49.65'	307°49.19'	05
06	270°54.71'	N 18°50.24'	322°51.65'	06
07	285°54.70'	N 18°50.83'	337°54.12'	07
08	300°54.70'	N 18°51.42'	352°56.58'	08
09	315°54.69'	N 18°52.01'	7°59.05'	09
10	330°54.68'	N 18°52.60'	23°01.51'	10
11	345°54.68'	N 18°53.19'	38°03.98'	11
12	0°54.67'	N 18°53.77'	53°06.44'	12
13	15°54.66'	N 18°54.36'	68°08.90'	13
14	30°54.66'	N 18°54.95'	83°11.37'	14
15	45°54.65'	N 18°55.53'	98°13.83'	15
16	60°54.64'	N 18°56.12'	113°16.30'	16
17	75°54.63'	N 18°56.71'	128°18.76'	17
18	90°54.62'	N 18°57.29'	143°21.22'	18
19	105°54.61'	N 18°57.87'	158°23.69'	19
20	120°54.60'	N 18°58.46'	173°26.15'	20
21	135°54.60'	N 18°59.04'	188°28.62'	21
22	150°54.59'	N 18°59.62'	203°31.08'	22
23	165°54.58'	N 19°00.20'	218°33.54'	23
24	180°54.57'	N 19°00.78'	233°36.01'	24
½Ø 15.8274'		p.h. (π) 0.1500'		
EoT at 12 UT +3m39s				

**14 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°54.77'	N 18°32.27'	231°37.73'	00
01	195°54.78'	N 18°32.88'	246°40.20'	01
02	210°54.78'	N 18°33.48'	261°42.66'	02
03	225°54.78'	N 18°34.09'	276°45.12'	03
04	240°54.78'	N 18°34.69'	291°47.59'	04
05	255°54.78'	N 18°35.30'	306°50.05'	05
06	270°54.78'	N 18°35.90'	321°52.52'	06
07	285°54.78'	N 18°36.51'	336°54.98'	07
08	300°54.78'	N 18°37.11'	351°57.44'	08
09	315°54.78'	N 18°37.71'	6°59.91'	09
10	330°54.78'	N 18°38.31'	22°02.37'	10
11	345°54.78'	N 18°38.92'	37°04.84'	11
12	0°54.78'	N 18°39.52'	52°07.30'	12
13	15°54.77'	N 18°40.12'	67°09.76'	13
14	30°54.77'	N 18°40.72'	82°12.23'	14
15	45°54.77'	N 18°41.32'	97°14.69'	15
16	60°54.77'	N 18°41.92'	112°17.16'	16
17	75°54.77'	N 18°42.51'	127°19.62'	17
18	90°54.76'	N 18°43.11'	142°22.09'	18
19	105°54.76'	N 18°43.71'	157°24.55'	19
20	120°54.76'	N 18°44.30'	172°27.01'	20
21	135°54.75'	N 18°44.90'	187°29.48'	21
22	150°54.75'	N 18°45.50'	202°31.94'	22
23	165°54.74'	N 18°46.09'	217°34.41'	23
24	180°54.74'	N 18°46.69'	232°36.87'	24
½Ø 15.8308'		p.h. (π) 0.1500'		
EoT at 12 UT +3m39s				

**16 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°54.57'	N 19°00.78'	233°36.01'	00
01	195°54.56'	N 19°01.36'	248°38.47'	01
02	210°54.54'	N 19°01.94'	263°40.94'	02
03	225°54.53'	N 19°02.52'	278°43.40'	03
04	240°54.52'	N 19°03.10'	293°45.87'	04
05	255°54.51'	N 19°03.68'	308°48.33'	05
06	270°54.50'	N 19°04.26'	323°50.79'	06
07	285°54.49'	N 19°04.84'	338°53.26'	07
08	300°54.48'	N 19°05.41'	353°55.72'	08
09	315°54.46'	N 19°05.99'	8°58.19'	09
10	330°54.45'	N 19°06.56'	24°00.65'	10
11	345°54.44'	N 19°07.14'	39°03.11'	11
12	0°54.43'	N 19°07.71'	54°05.58'	12
13	15°54.41'	N 19°08.29'	69°08.04'	13
14	30°54.40'	N 19°08.86'	84°10.51'	14
15	45°54.38'	N 19°09.43'	99°12.97'	15
16	60°54.37'	N 19°10.00'	114°15.43'	16
17	75°54.36'	N 19°10.58'	129°17.90'	17
18	90°54.34'	N 19°11.15'	144°20.36'	18
19	105°54.33'	N 19°11.72'	159°22.83'	19
20	120°54.31'	N 19°12.29'	174°25.29'	20
21	135°54.30'	N 19°12.86'	189°27.76'	21
22	150°54.28'	N 19°13.43'	204°30.22'	22
23	165°54.27'	N 19°13.99'	219°32.68'	23
24	180°54.25'	N 19°14.56'	234°35.15'	24
½Ø 15.8241'		p.h. (π) 0.1500'		
EoT at 12 UT +3m38s				

17 mai 2010

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°54.25'	N 19°14.56'	234°35.15'	00
01	195°54.23'	N 19°15.13'	249°37.61'	01
02	210°54.22'	N 19°15.69'	264°40.08'	02
03	225°54.20'	N 19°16.26'	279°42.54'	03
04	240°54.18'	N 19°16.83'	294°45.00'	04
05	255°54.17'	N 19°17.39'	309°47.47'	05
06	270°54.15'	N 19°17.95'	324°49.93'	06
07	285°54.13'	N 19°18.52'	339°52.40'	07
08	300°54.11'	N 19°19.08'	354°54.86'	08
09	315°54.10'	N 19°19.64'	9°57.32'	09
10	330°54.08'	N 19°20.21'	24°59.79'	10
11	345°54.06'	N 19°20.77'	40°02.25'	11
12	0°54.04'	N 19°21.33'	55°04.72'	12
13	15°54.02'	N 19°21.89'	70°07.18'	13
14	30°54.00'	N 19°22.45'	85°09.65'	14
15	45°53.98'	N 19°23.01'	100°12.11'	15
16	60°53.96'	N 19°23.56'	115°14.57'	16
17	75°53.94'	N 19°24.12'	130°17.04'	17
18	90°53.92'	N 19°24.68'	145°19.50'	18
19	105°53.90'	N 19°25.24'	160°21.97'	19
20	120°53.88'	N 19°25.79'	175°24.43'	20
21	135°53.86'	N 19°26.35'	190°26.89'	21
22	150°53.84'	N 19°26.90'	205°29.36'	22
23	165°53.82'	N 19°27.46'	220°31.82'	23
24	180°53.79'	N 19°28.01'	235°34.29'	24
½Ø 15.8208'		p.h. (π) 0.1500'		
EoT at 12 UT +3m36s				

19 mai 2010

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°53.20'	N 19°41.13'	236°33.43'	00
01	195°53.17'	N 19°41.67'	251°35.89'	01
02	210°53.14'	N 19°42.21'	266°38.35'	02
03	225°53.12'	N 19°42.75'	281°40.82'	03
04	240°53.09'	N 19°43.29'	296°43.28'	04
05	255°53.06'	N 19°43.82'	311°45.75'	05
06	270°53.03'	N 19°44.36'	326°48.21'	06
07	285°53.00'	N 19°44.89'	341°50.67'	07
08	300°52.97'	N 19°45.43'	356°53.14'	08
09	315°52.94'	N 19°45.96'	11°55.60'	09
10	330°52.91'	N 19°46.50'	26°58.07'	10
11	345°52.88'	N 19°47.03'	42°00.53'	11
12	0°52.85'	N 19°47.57'	57°02.99'	12
13	15°52.82'	N 19°48.10'	72°05.46'	13
14	30°52.79'	N 19°48.63'	87°07.92'	14
15	45°52.76'	N 19°49.16'	102°10.39'	15
16	60°52.73'	N 19°49.69'	117°12.85'	16
17	75°52.70'	N 19°50.22'	132°15.32'	17
18	90°52.66'	N 19°50.75'	147°17.78'	18
19	105°52.63'	N 19°51.28'	162°20.24'	19
20	120°52.60'	N 19°51.81'	177°22.71'	20
21	135°52.57'	N 19°52.34'	192°25.17'	21
22	150°52.53'	N 19°52.86'	207°27.64'	22
23	165°52.50'	N 19°53.39'	222°30.10'	23
24	180°52.47'	N 19°53.92'	237°32.56'	24
½Ø 15.8143'		p.h. (π) 0.1500'		
EoT at 12 UT +3m31s				

18 mai 2010

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°53.79'	N 19°28.01'	235°34.29'	00
01	195°53.77'	N 19°28.56'	250°36.75'	01
02	210°53.75'	N 19°29.12'	265°39.21'	02
03	225°53.73'	N 19°29.67'	280°41.68'	03
04	240°53.70'	N 19°30.22'	295°44.14'	04
05	255°53.68'	N 19°30.77'	310°46.61'	05
06	270°53.66'	N 19°31.32'	325°49.07'	06
07	285°53.64'	N 19°31.87'	340°51.54'	07
08	300°53.61'	N 19°32.42'	355°54.00'	08
09	315°53.59'	N 19°32.97'	10°56.46'	09
10	330°53.56'	N 19°33.52'	25°58.93'	10
11	345°53.54'	N 19°34.07'	41°01.39'	11
12	0°53.51'	N 19°34.61'	56°03.86'	12
13	15°53.49'	N 19°35.16'	71°06.32'	13
14	30°53.46'	N 19°35.71'	86°08.78'	14
15	45°53.44'	N 19°36.25'	101°11.25'	15
16	60°53.41'	N 19°36.79'	116°13.71'	16
17	75°53.39'	N 19°37.34'	131°16.18'	17
18	90°53.36'	N 19°37.88'	146°18.64'	18
19	105°53.34'	N 19°38.43'	161°21.10'	19
20	120°53.31'	N 19°38.97'	176°23.57'	20
21	135°53.28'	N 19°39.51'	191°26.03'	21
22	150°53.25'	N 19°40.05'	206°28.50'	22
23	165°53.23'	N 19°40.59'	221°30.96'	23
24	180°53.20'	N 19°41.13'	236°33.43'	24
½Ø 15.8175'		p.h. (π) 0.1500'		
EoT at 12 UT +3m34s				

20 mai 2010

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°52.47'	N 19°53.92'	237°32.56'	00
01	195°52.44'	N 19°54.44'	252°35.03'	01
02	210°52.40'	N 19°54.97'	267°37.49'	02
03	225°52.37'	N 19°55.49'	282°39.96'	03
04	240°52.33'	N 19°56.01'	297°42.42'	04
05	255°52.30'	N 19°56.54'	312°44.88'	05
06	270°52.26'	N 19°57.06'	327°47.35'	06
07	285°52.23'	N 19°57.58'	342°49.81'	07
08	300°52.19'	N 19°58.10'	357°52.28'	08
09	315°52.16'	N 19°58.62'	12°54.74'	09
10	330°52.12'	N 19°59.14'	27°57.21'	10
11	345°52.09'	N 19°59.66'	42°59.67'	11
12	0°52.05'	N 20°00.18'	58°02.13'	12
13	15°52.02'	N 20°00.70'	73°04.60'	13
14	30°51.98'	N 20°01.22'	88°07.06'	14
15	45°51.94'	N 20°01.73'	103°09.53'	15
16	60°51.91'	N 20°02.25'	118°11.99'	16
17	75°51.87'	N 20°02.77'	133°14.45'	17
18	90°51.83'	N 20°03.28'	148°16.92'	18
19	105°51.79'	N 20°03.80'	163°19.38'	19
20	120°51.76'	N 20°04.31'	178°21.85'	20
21	135°51.72'	N 20°04.82'	193°24.31'	21
22	150°51.68'	N 20°05.34'	208°26.77'	22
23	165°51.64'	N 20°05.85'	223°29.24'	23
24	180°51.60'	N 20°06.36'	238°31.70'	24
½Ø 15.8112'		p.h. (π) 0.1500'		
EoT at 12 UT +3m28s				

**21 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°51.60'	N 20°06.36'	238°31.70'	00
01	195°51.56'	N 20°06.87'	253°34.17'	01
02	210°51.52'	N 20°07.38'	268°36.63'	02
03	225°51.48'	N 20°07.89'	283°39.10'	03
04	240°51.44'	N 20°08.40'	298°41.56'	04
05	255°51.40'	N 20°08.91'	313°44.02'	05
06	270°51.36'	N 20°09.42'	328°46.49'	06
07	285°51.32'	N 20°09.93'	343°48.95'	07
08	300°51.28'	N 20°10.43'	358°51.42'	08
09	315°51.24'	N 20°10.94'	13°53.88'	09
10	330°51.20'	N 20°11.44'	28°56.34'	10
11	345°51.16'	N 20°11.95'	43°58.81'	11
12	0°51.12'	N 20°12.45'	59°01.27'	12
13	15°51.08'	N 20°12.96'	74°03.74'	13
14	30°51.03'	N 20°13.46'	89°06.20'	14
15	45°50.99'	N 20°13.96'	104°08.66'	15
16	60°50.95'	N 20°14.47'	119°11.13'	16
17	75°50.91'	N 20°14.97'	134°13.59'	17
18	90°50.86'	N 20°15.47'	149°16.06'	18
19	105°50.82'	N 20°15.97'	164°18.52'	19
20	120°50.78'	N 20°16.47'	179°20.99'	20
21	135°50.73'	N 20°16.97'	194°23.45'	21
22	150°50.69'	N 20°17.47'	209°25.91'	22
23	165°50.65'	N 20°17.96'	224°28.38'	23
24	180°50.60'	N 20°18.46'	239°30.84'	24
½Ø 15.8081'		p.h. (π) 0.1500'		
EoT at 12 UT +3m24s				

**23 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°49.47'	N 20°30.22'	240°29.98'	00
01	195°49.42'	N 20°30.70'	255°32.44'	01
02	210°49.37'	N 20°31.18'	270°34.91'	02
03	225°49.32'	N 20°31.66'	285°37.37'	03
04	240°49.27'	N 20°32.14'	300°39.84'	04
05	255°49.22'	N 20°32.62'	315°42.30'	05
06	270°49.17'	N 20°33.10'	330°44.77'	06
07	285°49.11'	N 20°33.58'	345°47.23'	07
08	300°49.06'	N 20°34.06'	0°49.69'	08
09	315°49.01'	N 20°34.53'	15°52.16'	09
10	330°48.96'	N 20°35.01'	30°54.62'	10
11	345°48.91'	N 20°35.49'	45°57.09'	11
12	0°48.85'	N 20°35.96'	60°59.55'	12
13	15°48.80'	N 20°36.44'	76°02.01'	13
14	30°48.75'	N 20°36.91'	91°04.48'	14
15	45°48.70'	N 20°37.38'	106°06.94'	15
16	60°48.64'	N 20°37.86'	121°09.41'	16
17	75°48.59'	N 20°38.33'	136°11.87'	17
18	90°48.54'	N 20°38.80'	151°14.33'	18
19	105°48.48'	N 20°39.27'	166°16.80'	19
20	120°48.43'	N 20°39.74'	181°19.26'	20
21	135°48.37'	N 20°40.21'	196°21.73'	21
22	150°48.32'	N 20°40.68'	211°24.19'	22
23	165°48.26'	N 20°41.15'	226°26.66'	23
24	180°48.21'	N 20°41.62'	241°29.12'	24
½Ø 15.8021'		p.h. (π) 0.1500'		
EoT at 12 UT +3m15s				

**22 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°50.60'	N 20°18.46'	239°30.84'	00
01	195°50.56'	N 20°18.96'	254°33.31'	01
02	210°50.51'	N 20°19.45'	269°35.77'	02
03	225°50.47'	N 20°19.95'	284°38.23'	03
04	240°50.42'	N 20°20.45'	299°40.70'	04
05	255°50.38'	N 20°20.94'	314°43.16'	05
06	270°50.33'	N 20°21.43'	329°45.63'	06
07	285°50.28'	N 20°21.93'	344°48.09'	07
08	300°50.24'	N 20°22.42'	359°50.55'	08
09	315°50.19'	N 20°22.91'	14°53.02'	09
10	330°50.15'	N 20°23.40'	29°55.48'	10
11	345°50.10'	N 20°23.89'	44°57.95'	11
12	0°50.05'	N 20°24.38'	60°00.41'	12
13	15°50.00'	N 20°24.87'	75°02.88'	13
14	30°49.96'	N 20°25.36'	90°05.34'	14
15	45°49.91'	N 20°25.85'	105°07.80'	15
16	60°49.86'	N 20°26.34'	120°10.27'	16
17	75°49.81'	N 20°26.82'	135°12.73'	17
18	90°49.76'	N 20°27.31'	150°15.20'	18
19	105°49.72'	N 20°27.80'	165°17.66'	19
20	120°49.67'	N 20°28.28'	180°20.12'	20
21	135°49.62'	N 20°28.77'	195°22.59'	21
22	150°49.57'	N 20°29.25'	210°25.05'	22
23	165°49.52'	N 20°29.73'	225°27.52'	23
24	180°49.47'	N 20°30.22'	240°29.98'	24
½Ø 15.8051'		p.h. (π) 0.1500'		
EoT at 12 UT +3m20s				

**24 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°48.21'	N 20°41.62'	241°29.12'	00
01	195°48.15'	N 20°42.09'	256°31.58'	01
02	210°48.10'	N 20°42.55'	271°34.05'	02
03	225°48.04'	N 20°43.02'	286°36.51'	03
04	240°47.99'	N 20°43.48'	301°38.98'	04
05	255°47.93'	N 20°43.95'	316°41.44'	05
06	270°47.87'	N 20°44.41'	331°43.90'	06
07	285°47.82'	N 20°44.88'	346°46.37'	07
08	300°47.76'	N 20°45.34'	1°48.83'	08
09	315°47.70'	N 20°45.80'	16°51.30'	09
10	330°47.64'	N 20°46.26'	31°53.76'	10
11	345°47.59'	N 20°46.72'	46°56.22'	11
12	0°47.53'	N 20°47.19'	61°58.69'	12
13	15°47.47'	N 20°47.65'	77°01.15'	13
14	30°47.41'	N 20°48.10'	92°03.62'	14
15	45°47.35'	N 20°48.56'	107°06.08'	15
16	60°47.30'	N 20°49.02'	122°08.55'	16
17	75°47.24'	N 20°49.48'	137°11.01'	17
18	90°47.18'	N 20°49.94'	152°13.47'	18
19	105°47.12'	N 20°50.39'	167°15.94'	19
20	120°47.06'	N 20°50.85'	182°18.40'	20
21	135°47.00'	N 20°51.30'	197°20.87'	21
22	150°46.94'	N 20°51.76'	212°23.33'	22
23	165°46.88'	N 20°52.21'	227°25.79'	23
24	180°46.82'	N 20°52.66'	242°28.26'	24
½Ø 15.7992'		p.h. (π) 0.1500'		
EoT at 12 UT +3m10s				

**25 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°46.82'	N 20°52.66'	242°28.26'	00
01	195°46.76'	N 20°53.12'	257°30.72'	01
02	210°46.70'	N 20°53.57'	272°33.19'	02
03	225°46.64'	N 20°54.02'	287°35.65'	03
04	240°46.58'	N 20°54.47'	302°38.11'	04
05	255°46.51'	N 20°54.92'	317°40.58'	05
06	270°46.45'	N 20°55.37'	332°43.04'	06
07	285°46.39'	N 20°55.82'	347°45.51'	07
08	300°46.33'	N 20°56.27'	2°47.97'	08
09	315°46.27'	N 20°56.71'	17°50.44'	09
10	330°46.20'	N 20°57.16'	32°52.90'	10
11	345°46.14'	N 20°57.61'	47°55.36'	11
12	0°46.08'	N 20°58.05'	62°57.83'	12
13	15°46.02'	N 20°58.50'	78°00.29'	13
14	30°45.95'	N 20°58.94'	93°02.76'	14
15	45°45.89'	N 20°59.39'	108°05.22'	15
16	60°45.82'	N 20°59.83'	123°07.68'	16
17	75°45.76'	N 21°00.27'	138°10.15'	17
18	90°45.70'	N 21°00.71'	153°12.61'	18
19	105°45.63'	N 21°01.15'	168°15.08'	19
20	120°45.57'	N 21°01.59'	183°17.54'	20
21	135°45.50'	N 21°02.03'	198°20.00'	21
22	150°45.44'	N 21°02.47'	213°22.47'	22
23	165°45.37'	N 21°02.91'	228°24.93'	23
24	180°45.31'	N 21°03.35'	243°27.40'	24
½Ø 15.7964'		p.h. (π) 0.1500'		
EoT at 12 UT +3m4s				

**27 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°43.67'	N 21°13.67'	244°26.54'	00
01	195°43.60'	N 21°14.10'	259°29.00'	01
02	210°43.53'	N 21°14.52'	274°31.46'	02
03	225°43.46'	N 21°14.94'	289°33.93'	03
04	240°43.39'	N 21°15.36'	304°36.39'	04
05	255°43.32'	N 21°15.78'	319°38.86'	05
06	270°43.25'	N 21°16.20'	334°41.32'	06
07	285°43.17'	N 21°16.62'	349°43.78'	07
08	300°43.10'	N 21°17.03'	4°46.25'	08
09	315°43.03'	N 21°17.45'	19°48.71'	09
10	330°42.96'	N 21°17.87'	34°51.18'	10
11	345°42.88'	N 21°18.28'	49°53.64'	11
12	0°42.81'	N 21°18.70'	64°56.11'	12
13	15°42.74'	N 21°19.11'	79°58.57'	13
14	30°42.66'	N 21°19.53'	95°01.03'	14
15	45°42.59'	N 21°19.94'	110°03.50'	15
16	60°42.52'	N 21°20.35'	125°05.96'	16
17	75°42.44'	N 21°20.77'	140°08.43'	17
18	90°42.37'	N 21°21.18'	155°10.89'	18
19	105°42.29'	N 21°21.59'	170°13.35'	19
20	120°42.22'	N 21°22.00'	185°15.82'	20
21	135°42.15'	N 21°22.41'	200°18.28'	21
22	150°42.07'	N 21°22.82'	215°20.75'	22
23	165°42.00'	N 21°23.22'	230°23.21'	23
24	180°41.92'	N 21°23.63'	245°25.67'	24
½Ø 15.7909'		p.h. (π) 0.1500'		
EoT at 12 UT +2m51s				

**26 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°45.31'	N 21°03.35'	243°27.40'	00
01	195°45.24'	N 21°03.79'	258°29.86'	01
02	210°45.17'	N 21°04.22'	273°32.33'	02
03	225°45.11'	N 21°04.66'	288°34.79'	03
04	240°45.04'	N 21°05.10'	303°37.25'	04
05	255°44.98'	N 21°05.53'	318°39.72'	05
06	270°44.91'	N 21°05.97'	333°42.18'	06
07	285°44.84'	N 21°06.40'	348°44.65'	07
08	300°44.78'	N 21°06.83'	3°47.11'	08
09	315°44.71'	N 21°07.26'	18°49.57'	09
10	330°44.64'	N 21°07.70'	33°52.04'	10
11	345°44.57'	N 21°08.13'	48°54.50'	11
12	0°44.50'	N 21°08.56'	63°56.97'	12
13	15°44.44'	N 21°08.99'	78°59.43'	13
14	30°44.37'	N 21°09.42'	94°01.89'	14
15	45°44.30'	N 21°09.85'	109°04.36'	15
16	60°44.23'	N 21°10.27'	124°06.82'	16
17	75°44.16'	N 21°10.70'	139°09.29'	17
18	90°44.09'	N 21°11.13'	154°11.75'	18
19	105°44.02'	N 21°11.55'	169°14.22'	19
20	120°43.95'	N 21°11.98'	184°16.68'	20
21	135°43.88'	N 21°12.40'	199°19.14'	21
22	150°43.81'	N 21°12.83'	214°21.61'	22
23	165°43.74'	N 21°13.25'	229°24.07'	23
24	180°43.67'	N 21°13.67'	244°26.54'	24
½Ø 15.7936'		p.h. (π) 0.1500'		
EoT at 12 UT +2m58s				

**28 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°41.92'	N 21°23.63'	245°25.67'	00
01	195°41.84'	N 21°24.04'	260°28.14'	01
02	210°41.77'	N 21°24.44'	275°30.60'	02
03	225°41.69'	N 21°24.85'	290°33.07'	03
04	240°41.62'	N 21°25.25'	305°35.53'	04
05	255°41.54'	N 21°25.66'	320°38.00'	05
06	270°41.46'	N 21°26.06'	335°40.46'	06
07	285°41.39'	N 21°26.47'	350°42.92'	07
08	300°41.31'	N 21°26.87'	5°45.39'	08
09	315°41.23'	N 21°27.27'	20°47.85'	09
10	330°41.16'	N 21°27.67'	35°50.32'	10
11	345°41.08'	N 21°28.07'	50°52.78'	11
12	0°41.00'	N 21°28.47'	65°55.24'	12
13	15°40.92'	N 21°28.87'	80°57.71'	13
14	30°40.84'	N 21°29.27'	96°00.17'	14
15	45°40.77'	N 21°29.67'	111°02.64'	15
16	60°40.69'	N 21°30.06'	126°05.10'	16
17	75°40.61'	N 21°30.46'	141°07.56'	17
18	90°40.53'	N 21°30.86'	156°10.03'	18
19	105°40.45'	N 21°31.25'	171°12.49'	19
20	120°40.37'	N 21°31.65'	186°14.96'	20
21	135°40.29'	N 21°32.04'	201°17.42'	21
22	150°40.21'	N 21°32.43'	216°19.89'	22
23	165°40.13'	N 21°32.83'	231°22.35'	23
24	180°40.05'	N 21°33.22'	246°24.81'	24
½Ø 15.7882'		p.h. (π) 0.1500'		
EoT at 12 UT +2m44s				

**29 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°40.05'	N 21°33.22'	246°24.81'	00
01	195°39.97'	N 21°33.61'	261°27.28'	01
02	210°39.89'	N 21°34.00'	276°29.74'	02
03	225°39.81'	N 21°34.39'	291°32.21'	03
04	240°39.73'	N 21°34.78'	306°34.67'	04
05	255°39.65'	N 21°35.17'	321°37.13'	05
06	270°39.57'	N 21°35.56'	336°39.60'	06
07	285°39.49'	N 21°35.94'	351°42.06'	07
08	300°39.40'	N 21°36.33'	6°44.53'	08
09	315°39.32'	N 21°36.72'	21°46.99'	09
10	330°39.24'	N 21°37.10'	36°49.46'	10
11	345°39.16'	N 21°37.49'	51°51.92'	11
12	0°39.08'	N 21°37.87'	66°54.38'	12
13	15°38.99'	N 21°38.25'	81°56.85'	13
14	30°38.91'	N 21°38.64'	96°59.31'	14
15	45°38.83'	N 21°39.02'	112°01.78'	15
16	60°38.74'	N 21°39.40'	127°04.24'	16
17	75°38.66'	N 21°39.78'	142°06.70'	17
18	90°38.58'	N 21°40.16'	157°09.17'	18
19	105°38.49'	N 21°40.54'	172°11.63'	19
20	120°38.41'	N 21°40.92'	187°14.10'	20
21	135°38.33'	N 21°41.30'	202°16.56'	21
22	150°38.24'	N 21°41.68'	217°19.02'	22
23	165°38.16'	N 21°42.05'	232°21.49'	23
24	180°38.07'	N 21°42.43'	247°23.95'	24
½Ø 15.7856'		p.h. (π) 0.1500'		
EoT at 12 UT +2m36s				

**30 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°38.07'	N 21°42.43'	247°23.95'	00
01	195°37.99'	N 21°42.81'	262°26.42'	01
02	210°37.90'	N 21°43.18'	277°28.88'	02
03	225°37.82'	N 21°43.56'	292°31.35'	03
04	240°37.73'	N 21°43.93'	307°33.81'	04
05	255°37.65'	N 21°44.30'	322°36.27'	05
06	270°37.56'	N 21°44.67'	337°38.74'	06
07	285°37.47'	N 21°45.05'	352°41.20'	07
08	300°37.39'	N 21°45.42'	7°43.67'	08
09	315°37.30'	N 21°45.79'	22°46.13'	09
10	330°37.22'	N 21°46.16'	37°48.59'	10
11	345°37.13'	N 21°46.53'	52°51.06'	11
12	0°37.04'	N 21°46.90'	67°53.52'	12
13	15°36.95'	N 21°47.26'	82°55.99'	13
14	30°36.87'	N 21°47.63'	97°58.45'	14
15	45°36.78'	N 21°48.00'	113°00.91'	15
16	60°36.69'	N 21°48.36'	128°03.38'	16
17	75°36.60'	N 21°48.73'	143°05.84'	17
18	90°36.52'	N 21°49.09'	158°08.31'	18
19	105°36.43'	N 21°49.46'	173°10.77'	19
20	120°36.34'	N 21°49.82'	188°13.24'	20
21	135°36.25'	N 21°50.18'	203°15.70'	21
22	150°36.16'	N 21°50.54'	218°18.16'	22
23	165°36.07'	N 21°50.91'	233°20.63'	23
24	180°35.98'	N 21°51.27'	248°23.09'	24
½Ø 15.7831'		p.h. (π) 0.1500'		
EoT at 12 UT +2m28s				

**31 mai 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°35.98'	N 21°51.27'	248°23.09'	00
01	195°35.90'	N 21°51.63'	263°25.56'	01
02	210°35.81'	N 21°51.99'	278°28.02'	02
03	225°35.72'	N 21°52.34'	293°30.48'	03
04	240°35.63'	N 21°52.70'	308°32.95'	04
05	255°35.54'	N 21°53.06'	323°35.41'	05
06	270°35.45'	N 21°53.42'	338°37.88'	06
07	285°35.36'	N 21°53.77'	353°40.34'	07
08	300°35.27'	N 21°54.13'	8°42.80'	08
09	315°35.17'	N 21°54.48'	23°45.27'	09
10	330°35.08'	N 21°54.84'	38°47.73'	10
11	345°34.99'	N 21°55.19'	53°50.20'	11
12	0°34.90'	N 21°55.54'	68°52.66'	12
13	15°34.81'	N 21°55.89'	83°55.13'	13
14	30°34.72'	N 21°56.24'	98°57.59'	14
15	45°34.63'	N 21°56.60'	114°00.05'	15
16	60°34.53'	N 21°56.95'	129°02.52'	16
17	75°34.44'	N 21°57.29'	144°04.98'	17
18	90°34.35'	N 21°57.64'	159°07.45'	18
19	105°34.26'	N 21°57.99'	174°09.91'	19
20	120°34.17'	N 21°58.34'	189°12.37'	20
21	135°34.07'	N 21°58.69'	204°14.84'	21
22	150°33.98'	N 21°59.03'	219°17.30'	22
23	165°33.89'	N 21°59.38'	234°19.77'	23
24	180°33.79'	N 21°59.72'	249°22.23'	24
½Ø 15.7806'		p.h. (π) 0.1500'		
EoT at 12 UT +2m20s				



**1er juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°33.79'	N 21°59.72'	249°22.23'	00
01	195°33.70'	N 22°00.07'	264°24.69'	01
02	210°33.61'	N 22°00.41'	279°27.16'	02
03	225°33.51'	N 22°00.75'	294°29.62'	03
04	240°33.42'	N 22°01.09'	309°32.09'	04
05	255°33.32'	N 22°01.44'	324°34.55'	05
06	270°33.23'	N 22°01.78'	339°37.02'	06
07	285°33.13'	N 22°02.12'	354°39.48'	07
08	300°33.04'	N 22°02.46'	9°41.94'	08
09	315°32.94'	N 22°02.79'	24°44.41'	09
10	330°32.85'	N 22°03.13'	39°46.87'	10
11	345°32.75'	N 22°03.47'	54°49.34'	11
12	0°32.66'	N 22°03.81'	69°51.80'	12
13	15°32.56'	N 22°04.14'	84°54.26'	13
14	30°32.47'	N 22°04.48'	99°56.73'	14
15	45°32.37'	N 22°04.81'	114°59.19'	15
16	60°32.28'	N 22°05.15'	130°01.66'	16
17	75°32.18'	N 22°05.48'	145°04.12'	17
18	90°32.08'	N 22°05.81'	160°06.58'	18
19	105°31.99'	N 22°06.14'	175°09.05'	19
20	120°31.89'	N 22°06.48'	190°11.51'	20
21	135°31.79'	N 22°06.81'	205°13.98'	21
22	150°31.69'	N 22°07.14'	220°16.44'	22
23	165°31.60'	N 22°07.47'	235°18.91'	23
24	180°31.50'	N 22°07.79'	250°21.37'	24
½Ø 15.7782'		p.h. (π) 0.1500'		
EoT at 12 UT +2m11s				

**3 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°29.11'	N 22°15.48'	251°20.51'	00
01	195°29.01'	N 22°15.79'	266°22.97'	01
02	210°28.91'	N 22°16.10'	281°25.44'	02
03	225°28.81'	N 22°16.41'	296°27.90'	03
04	240°28.70'	N 22°16.72'	311°30.36'	04
05	255°28.60'	N 22°17.03'	326°32.83'	05
06	270°28.50'	N 22°17.34'	341°35.29'	06
07	285°28.40'	N 22°17.65'	356°37.76'	07
08	300°28.29'	N 22°17.96'	11°40.22'	08
09	315°28.19'	N 22°18.26'	26°42.69'	09
10	330°28.09'	N 22°18.57'	41°45.15'	10
11	345°27.99'	N 22°18.87'	56°47.61'	11
12	0°27.88'	N 22°19.18'	71°50.08'	12
13	15°27.78'	N 22°19.48'	86°52.54'	13
14	30°27.67'	N 22°19.79'	101°55.01'	14
15	45°27.57'	N 22°20.09'	116°57.47'	15
16	60°27.47'	N 22°20.39'	131°59.93'	16
17	75°27.36'	N 22°20.69'	147°02.40'	17
18	90°27.26'	N 22°20.99'	162°04.86'	18
19	105°27.15'	N 22°21.29'	177°07.33'	19
20	120°27.05'	N 22°21.59'	192°09.79'	20
21	135°26.95'	N 22°21.89'	207°12.25'	21
22	150°26.84'	N 22°22.19'	222°14.72'	22
23	165°26.74'	N 22°22.48'	237°17.18'	23
24	180°26.63'	N 22°22.78'	252°19.65'	24
½Ø 15.7735'		p.h. (π) 0.1500'		
EoT at 12 UT +1m52s				

**2 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°31.50'	N 22°07.79'	250°21.37'	00
01	195°31.40'	N 22°08.12'	265°23.83'	01
02	210°31.30'	N 22°08.45'	280°26.30'	02
03	225°31.21'	N 22°08.78'	295°28.76'	03
04	240°31.11'	N 22°09.10'	310°31.23'	04
05	255°31.01'	N 22°09.43'	325°33.69'	05
06	270°30.91'	N 22°09.75'	340°36.15'	06
07	285°30.81'	N 22°10.08'	355°38.62'	07
08	300°30.71'	N 22°10.40'	10°41.08'	08
09	315°30.62'	N 22°10.72'	25°43.55'	09
10	330°30.52'	N 22°11.04'	40°46.01'	10
11	345°30.42'	N 22°11.37'	55°48.47'	11
12	0°30.32'	N 22°11.69'	70°50.94'	12
13	15°30.22'	N 22°12.01'	85°53.40'	13
14	30°30.12'	N 22°12.33'	100°55.87'	14
15	45°30.02'	N 22°12.64'	115°58.33'	15
16	60°29.92'	N 22°12.96'	131°00.80'	16
17	75°29.82'	N 22°13.28'	146°03.26'	17
18	90°29.72'	N 22°13.60'	161°05.72'	18
19	105°29.62'	N 22°13.91'	176°08.19'	19
20	120°29.52'	N 22°14.23'	191°10.65'	20
21	135°29.41'	N 22°14.54'	206°13.12'	21
22	150°29.31'	N 22°14.86'	221°15.58'	22
23	165°29.21'	N 22°15.17'	236°18.04'	23
24	180°29.11'	N 22°15.48'	251°20.51'	24
½Ø 15.7758'		p.h. (π) 0.1500'		
EoT at 12 UT +2m1s				

**4 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°26.63'	N 22°22.78'	252°19.65'	00
01	195°26.52'	N 22°23.07'	267°22.11'	01
02	210°26.42'	N 22°23.37'	282°24.58'	02
03	225°26.31'	N 22°23.66'	297°27.04'	03
04	240°26.21'	N 22°23.96'	312°29.50'	04
05	255°26.10'	N 22°24.25'	327°31.97'	05
06	270°26.00'	N 22°24.54'	342°34.43'	06
07	285°25.89'	N 22°24.83'	357°36.90'	07
08	300°25.78'	N 22°25.12'	12°39.36'	08
09	315°25.68'	N 22°25.41'	27°41.82'	09
10	330°25.57'	N 22°25.70'	42°44.29'	10
11	345°25.46'	N 22°25.99'	57°46.75'	11
12	0°25.36'	N 22°26.28'	72°49.22'	12
13	15°25.25'	N 22°26.57'	87°51.68'	13
14	30°25.14'	N 22°26.86'	102°54.14'	14
15	45°25.03'	N 22°27.14'	117°56.61'	15
16	60°24.93'	N 22°27.43'	132°59.07'	16
17	75°24.82'	N 22°27.71'	148°01.54'	17
18	90°24.71'	N 22°28.00'	163°04.00'	18
19	105°24.60'	N 22°28.28'	178°06.47'	19
20	120°24.50'	N 22°28.56'	193°08.93'	20
21	135°24.39'	N 22°28.84'	208°11.39'	21
22	150°24.28'	N 22°29.12'	223°13.86'	22
23	165°24.17'	N 22°29.41'	238°16.32'	23
24	180°24.06'	N 22°29.69'	253°18.79'	24
½Ø 15.7713'		p.h. (π) 0.1500'		
EoT at 12 UT +1m41s				

**5 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°24.06'	N 22°29.69'	253°18.79'	00
01	195°23.95'	N 22°29.96'	268°21.25'	01
02	210°23.84'	N 22°30.24'	283°23.71'	02
03	225°23.73'	N 22°30.52'	298°26.18'	03
04	240°23.63'	N 22°30.80'	313°28.64'	04
05	255°23.52'	N 22°31.07'	328°31.11'	05
06	270°23.41'	N 22°31.35'	343°33.57'	06
07	285°23.30'	N 22°31.63'	358°36.03'	07
08	300°23.19'	N 22°31.90'	13°38.50'	08
09	315°23.08'	N 22°32.17'	28°40.96'	09
10	330°22.97'	N 22°32.45'	43°43.43'	10
11	345°22.86'	N 22°32.72'	58°45.89'	11
12	0°22.75'	N 22°32.99'	73°48.36'	12
13	15°22.64'	N 22°33.26'	88°50.82'	13
14	30°22.52'	N 22°33.53'	103°53.28'	14
15	45°22.41'	N 22°33.80'	118°55.75'	15
16	60°22.30'	N 22°34.07'	133°58.21'	16
17	75°22.19'	N 22°34.34'	149°00.68'	17
18	90°22.08'	N 22°34.61'	164°03.14'	18
19	105°21.97'	N 22°34.87'	179°05.60'	19
20	120°21.86'	N 22°35.14'	194°08.07'	20
21	135°21.75'	N 22°35.41'	209°10.53'	21
22	150°21.63'	N 22°35.67'	224°13.00'	22
23	165°21.52'	N 22°35.93'	239°15.46'	23
24	180°21.41'	N 22°36.20'	254°17.92'	24
½Ø 15.7692'		p.h. (π) 0.1500'		
EoT at 12 UT +1m31s				

**7 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°18.68'	N 22°42.31'	255°17.06'	00
01	195°18.57'	N 22°42.56'	270°19.53'	01
02	210°18.45'	N 22°42.81'	285°21.99'	02
03	225°18.33'	N 22°43.05'	300°24.46'	03
04	240°18.22'	N 22°43.29'	315°26.92'	04
05	255°18.10'	N 22°43.54'	330°29.38'	05
06	270°17.99'	N 22°43.78'	345°31.85'	06
07	285°17.87'	N 22°44.02'	0°34.31'	07
08	300°17.75'	N 22°44.26'	15°36.78'	08
09	315°17.64'	N 22°44.50'	30°39.24'	09
10	330°17.52'	N 22°44.74'	45°41.70'	10
11	345°17.40'	N 22°44.98'	60°44.17'	11
12	0°17.29'	N 22°45.22'	75°46.63'	12
13	15°17.17'	N 22°45.46'	90°49.10'	13
14	30°17.05'	N 22°45.70'	105°51.56'	14
15	45°16.94'	N 22°45.93'	120°54.03'	15
16	60°16.82'	N 22°46.17'	135°56.49'	16
17	75°16.70'	N 22°46.41'	150°58.95'	17
18	90°16.58'	N 22°46.64'	166°01.42'	18
19	105°16.47'	N 22°46.87'	181°03.88'	19
20	120°16.35'	N 22°47.11'	196°06.35'	20
21	135°16.23'	N 22°47.34'	211°08.81'	21
22	150°16.11'	N 22°47.57'	226°11.27'	22
23	165°16.00'	N 22°47.80'	241°13.74'	23
24	180°15.88'	N 22°48.03'	256°16.20'	24
½Ø 15.7651'		p.h. (π) 0.1500'		
EoT at 12 UT +1m9s				

**6 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°21.41'	N 22°36.20'	254°17.92'	00
01	195°21.30'	N 22°36.46'	269°20.39'	01
02	210°21.19'	N 22°36.72'	284°22.85'	02
03	225°21.07'	N 22°36.98'	299°25.32'	03
04	240°20.96'	N 22°37.24'	314°27.78'	04
05	255°20.85'	N 22°37.50'	329°30.25'	05
06	270°20.73'	N 22°37.76'	344°32.71'	06
07	285°20.62'	N 22°38.02'	359°35.17'	07
08	300°20.51'	N 22°38.28'	14°37.64'	08
09	315°20.40'	N 22°38.54'	29°40.10'	09
10	330°20.28'	N 22°38.79'	44°42.57'	10
11	345°20.17'	N 22°39.05'	59°45.03'	11
12	0°20.05'	N 22°39.31'	74°47.49'	12
13	15°19.94'	N 22°39.56'	89°49.96'	13
14	30°19.83'	N 22°39.81'	104°52.42'	14
15	45°19.71'	N 22°40.07'	119°54.89'	15
16	60°19.60'	N 22°40.32'	134°57.35'	16
17	75°19.48'	N 22°40.57'	149°59.81'	17
18	90°19.37'	N 22°40.82'	165°02.28'	18
19	105°19.26'	N 22°41.07'	180°04.74'	19
20	120°19.14'	N 22°41.32'	195°07.21'	20
21	135°19.03'	N 22°41.57'	210°09.67'	21
22	150°18.91'	N 22°41.82'	225°12.14'	22
23	165°18.80'	N 22°42.07'	240°14.60'	23
24	180°18.68'	N 22°42.31'	255°17.06'	24
½Ø 15.7671'		p.h. (π) 0.1500'		
EoT at 12 UT +1m20s				

**8 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°15.88'	N 22°48.03'	256°16.20'	00
01	195°15.76'	N 22°48.26'	271°18.67'	01
02	210°15.64'	N 22°48.49'	286°21.13'	02
03	225°15.52'	N 22°48.72'	301°23.59'	03
04	240°15.40'	N 22°48.95'	316°26.06'	04
05	255°15.28'	N 22°49.17'	331°28.52'	05
06	270°15.17'	N 22°49.40'	346°30.99'	06
07	285°15.05'	N 22°49.62'	1°33.45'	07
08	300°14.93'	N 22°49.85'	16°35.92'	08
09	315°14.81'	N 22°50.07'	31°38.38'	09
10	330°14.69'	N 22°50.30'	46°40.84'	10
11	345°14.57'	N 22°50.52'	61°43.31'	11
12	0°14.45'	N 22°50.74'	76°45.77'	12
13	15°14.33'	N 22°50.96'	91°48.24'	13
14	30°14.21'	N 22°51.18'	106°50.70'	14
15	45°14.09'	N 22°51.40'	121°53.16'	15
16	60°13.97'	N 22°51.62'	136°55.63'	16
17	75°13.85'	N 22°51.84'	151°58.09'	17
18	90°13.73'	N 22°52.06'	167°00.56'	18
19	105°13.61'	N 22°52.27'	182°03.02'	19
20	120°13.49'	N 22°52.49'	197°05.48'	20
21	135°13.37'	N 22°52.71'	212°07.95'	21
22	150°13.25'	N 22°52.92'	227°10.41'	22
23	165°13.13'	N 22°53.14'	242°12.88'	23
24	180°13.01'	N 22°53.35'	257°15.34'	24
½Ø 15.7631'		p.h. (π) 0.1500'		
EoT at 12 UT +0m58s				

**9 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°13.01'	N 22°53.35'	257°15.34'	00
01	195°12.89'	N 22°53.56'	272°17.81'	01
02	210°12.76'	N 22°53.77'	287°20.27'	02
03	225°12.64'	N 22°53.99'	302°22.73'	03
04	240°12.52'	N 22°54.20'	317°25.20'	04
05	255°12.40'	N 22°54.41'	332°27.66'	05
06	270°12.28'	N 22°54.62'	347°30.13'	06
07	285°12.16'	N 22°54.82'	2°32.59'	07
08	300°12.03'	N 22°55.03'	17°35.05'	08
09	315°11.91'	N 22°55.24'	32°37.52'	09
10	330°11.79'	N 22°55.45'	47°39.98'	10
11	345°11.67'	N 22°55.65'	62°42.45'	11
12	0°11.55'	N 22°55.86'	77°44.91'	12
13	15°11.42'	N 22°56.06'	92°47.37'	13
14	30°11.30'	N 22°56.26'	107°49.84'	14
15	45°11.18'	N 22°56.47'	122°52.30'	15
16	60°11.06'	N 22°56.67'	137°54.77'	16
17	75°10.93'	N 22°56.87'	152°57.23'	17
18	90°10.81'	N 22°57.07'	167°59.70'	18
19	105°10.69'	N 22°57.27'	183°02.16'	19
20	120°10.57'	N 22°57.47'	198°04.62'	20
21	135°10.44'	N 22°57.67'	213°07.09'	21
22	150°10.32'	N 22°57.87'	228°09.55'	22
23	165°10.20'	N 22°58.07'	243°12.02'	23
24	180°10.07'	N 22°58.26'	258°14.48'	24
½Ø 15.7612'		p.h. (π) 0.1500'		
EoT at 12 UT +0m46s				

**11 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°07.08'	N 23°02.77'	259°13.62'	00
01	195°06.95'	N 23°02.95'	274°16.08'	01
02	210°06.83'	N 23°03.13'	289°18.55'	02
03	225°06.70'	N 23°03.31'	304°21.01'	03
04	240°06.58'	N 23°03.49'	319°23.48'	04
05	255°06.45'	N 23°03.66'	334°25.94'	05
06	270°06.32'	N 23°03.84'	349°28.40'	06
07	285°06.20'	N 23°04.01'	4°30.87'	07
08	300°06.07'	N 23°04.19'	19°33.33'	08
09	315°05.94'	N 23°04.36'	34°35.80'	09
10	330°05.82'	N 23°04.53'	49°38.26'	10
11	345°05.69'	N 23°04.71'	64°40.72'	11
12	0°05.56'	N 23°04.88'	79°43.19'	12
13	15°05.44'	N 23°05.05'	94°45.65'	13
14	30°05.31'	N 23°05.22'	109°48.12'	14
15	45°05.18'	N 23°05.39'	124°50.58'	15
16	60°05.06'	N 23°05.56'	139°53.04'	16
17	75°04.93'	N 23°05.72'	154°55.51'	17
18	90°04.80'	N 23°05.89'	169°57.97'	18
19	105°04.67'	N 23°06.06'	185°00.44'	19
20	120°04.55'	N 23°06.22'	200°02.90'	20
21	135°04.42'	N 23°06.39'	215°05.37'	21
22	150°04.29'	N 23°06.55'	230°07.83'	22
23	165°04.16'	N 23°06.72'	245°10.29'	23
24	180°04.03'	N 23°06.88'	260°12.76'	24
½Ø 15.7576'		p.h. (π) 0.1500'		
EoT at 12 UT +0m22s				

**10 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°10.07'	N 22°58.26'	258°14.48'	00
01	195°09.95'	N 22°58.46'	273°16.94'	01
02	210°09.82'	N 22°58.66'	288°19.41'	02
03	225°09.70'	N 22°58.85'	303°21.87'	03
04	240°09.58'	N 22°59.04'	318°24.34'	04
05	255°09.45'	N 22°59.24'	333°26.80'	05
06	270°09.33'	N 22°59.43'	348°29.26'	06
07	285°09.20'	N 22°59.62'	3°31.73'	07
08	300°09.08'	N 22°59.81'	18°34.19'	08
09	315°08.96'	N 23°00.00'	33°36.66'	09
10	330°08.83'	N 23°00.19'	48°39.12'	10
11	345°08.71'	N 23°00.38'	63°41.59'	11
12	0°08.58'	N 23°00.57'	78°44.05'	12
13	15°08.46'	N 23°00.76'	93°46.51'	13
14	30°08.33'	N 23°00.94'	108°48.98'	14
15	45°08.21'	N 23°01.13'	123°51.44'	15
16	60°08.08'	N 23°01.32'	138°53.91'	16
17	75°07.96'	N 23°01.50'	153°56.37'	17
18	90°07.83'	N 23°01.68'	168°58.83'	18
19	105°07.71'	N 23°01.87'	184°01.30'	19
20	120°07.58'	N 23°02.05'	199°03.76'	20
21	135°07.46'	N 23°02.23'	214°06.23'	21
22	150°07.33'	N 23°02.41'	229°08.69'	22
23	165°07.21'	N 23°02.59'	244°11.15'	23
24	180°07.08'	N 23°02.77'	259°13.62'	24
½Ø 15.7594'		p.h. (π) 0.1500'		
EoT at 12 UT +0m34s				

**12 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°04.03'	N 23°06.88'	260°12.76'	00
01	195°03.91'	N 23°07.04'	275°15.22'	01
02	210°03.78'	N 23°07.20'	290°17.69'	02
03	225°03.65'	N 23°07.36'	305°20.15'	03
04	240°03.52'	N 23°07.52'	320°22.61'	04
05	255°03.39'	N 23°07.68'	335°25.08'	05
06	270°03.27'	N 23°07.84'	350°27.54'	06
07	285°03.14'	N 23°08.00'	5°30.01'	07
08	300°03.01'	N 23°08.16'	20°32.47'	08
09	315°02.88'	N 23°08.31'	35°34.93'	09
10	330°02.75'	N 23°08.47'	50°37.40'	10
11	345°02.62'	N 23°08.62'	65°39.86'	11
12	0°02.49'	N 23°08.78'	80°42.33'	12
13	15°02.37'	N 23°08.93'	95°44.79'	13
14	30°02.24'	N 23°09.09'	110°47.26'	14
15	45°02.11'	N 23°09.24'	125°49.72'	15
16	60°01.98'	N 23°09.39'	140°52.18'	16
17	75°01.85'	N 23°09.54'	155°54.65'	17
18	90°01.72'	N 23°09.69'	170°57.11'	18
19	105°01.59'	N 23°09.84'	185°59.58'	19
20	120°01.46'	N 23°09.99'	201°02.04'	20
21	135°01.33'	N 23°10.14'	216°04.50'	21
22	150°01.20'	N 23°10.28'	231°06.97'	22
23	165°01.07'	N 23°10.43'	246°09.43'	23
24	180°00.94'	N 23°10.58'	261°11.90'	24
½Ø 15.7560'		p.h. (π) 0.1500'		
EoT at 12 UT +0m10s				

**13 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°00.94'	N 23°10.58'	261°11.90'	00
01	195°00.81'	N 23°10.72'	276°14.36'	01
02	210°00.68'	N 23°10.87'	291°16.82'	02
03	225°00.55'	N 23°11.01'	306°19.29'	03
04	240°00.42'	N 23°11.15'	321°21.75'	04
05	255°00.29'	N 23°11.30'	336°24.22'	05
06	270°00.16'	N 23°11.44'	351°26.68'	06
07	285°00.03'	N 23°11.58'	6°29.15'	07
08	299°59.90'	N 23°11.72'	21°31.61'	08
09	314°59.77'	N 23°11.86'	36°34.07'	09
10	329°59.64'	N 23°12.00'	51°36.54'	10
11	344°59.51'	N 23°12.14'	66°39.00'	11
12	359°59.38'	N 23°12.27'	81°41.47'	12
13	14°59.25'	N 23°12.41'	96°43.93'	13
14	29°59.12'	N 23°12.55'	111°46.39'	14
15	44°58.99'	N 23°12.68'	126°48.86'	15
16	59°58.86'	N 23°12.81'	141°51.32'	16
17	74°58.73'	N 23°12.95'	156°53.79'	17
18	89°58.60'	N 23°13.08'	171°56.25'	18
19	104°58.47'	N 23°13.21'	186°58.71'	19
20	119°58.33'	N 23°13.35'	202°01.18'	20
21	134°58.20'	N 23°13.48'	217°03.64'	21
22	149°58.07'	N 23°13.61'	232°06.11'	22
23	164°57.94'	N 23°13.74'	247°08.57'	23
24	179°57.81'	N 23°13.87'	262°11.04'	24
½Ø 15.7543'		p.h. (π) 0.1500'		
EoT at 12 UT -0m2s				

**15 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°54.64'	N 23°16.75'	263°10.17'	00
01	194°54.51'	N 23°16.86'	278°12.64'	01
02	209°54.38'	N 23°16.97'	293°15.10'	02
03	224°54.24'	N 23°17.08'	308°17.57'	03
04	239°54.11'	N 23°17.19'	323°20.03'	04
05	254°53.98'	N 23°17.29'	338°22.49'	05
06	269°53.84'	N 23°17.40'	353°24.96'	06
07	284°53.71'	N 23°17.51'	8°27.42'	07
08	299°53.58'	N 23°17.61'	23°29.89'	08
09	314°53.44'	N 23°17.72'	38°32.35'	09
10	329°53.31'	N 23°17.82'	53°34.82'	10
11	344°53.18'	N 23°17.93'	68°37.28'	11
12	359°53.04'	N 23°18.03'	83°39.74'	12
13	14°52.91'	N 23°18.13'	98°42.21'	13
14	29°52.78'	N 23°18.24'	113°44.67'	14
15	44°52.64'	N 23°18.34'	128°47.14'	15
16	59°52.51'	N 23°18.44'	143°49.60'	16
17	74°52.38'	N 23°18.54'	158°52.06'	17
18	89°52.24'	N 23°18.64'	173°54.53'	18
19	104°52.11'	N 23°18.73'	188°56.99'	19
20	119°51.98'	N 23°18.83'	203°59.46'	20
21	134°51.84'	N 23°18.93'	219°01.92'	21
22	149°51.71'	N 23°19.02'	234°04.38'	22
23	164°51.58'	N 23°19.12'	249°06.85'	23
24	179°51.44'	N 23°19.21'	264°09.31'	24
½Ø 15.7513'		p.h. (π) 0.1500'		
EoT at 12 UT -0m28s				

**14 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°57.81'	N 23°13.87'	262°11.04'	00
01	194°57.68'	N 23°13.99'	277°13.50'	01
02	209°57.55'	N 23°14.12'	292°15.96'	02
03	224°57.42'	N 23°14.25'	307°18.43'	03
04	239°57.28'	N 23°14.37'	322°20.89'	04
05	254°57.15'	N 23°14.50'	337°23.36'	05
06	269°57.02'	N 23°14.62'	352°25.82'	06
07	284°56.89'	N 23°14.75'	7°28.28'	07
08	299°56.76'	N 23°14.87'	22°30.75'	08
09	314°56.63'	N 23°14.99'	37°33.21'	09
10	329°56.49'	N 23°15.12'	52°35.68'	10
11	344°56.36'	N 23°15.24'	67°38.14'	11
12	359°56.23'	N 23°15.36'	82°40.60'	12
13	14°56.10'	N 23°15.48'	97°43.07'	13
14	29°55.97'	N 23°15.60'	112°45.53'	14
15	44°55.83'	N 23°15.71'	127°48.00'	15
16	59°55.70'	N 23°15.83'	142°50.46'	16
17	74°55.57'	N 23°15.95'	157°52.93'	17
18	89°55.44'	N 23°16.06'	172°55.39'	18
19	104°55.30'	N 23°16.18'	187°57.85'	19
20	119°55.17'	N 23°16.29'	203°00.32'	20
21	134°55.04'	N 23°16.41'	218°02.78'	21
22	149°54.91'	N 23°16.52'	233°05.25'	22
23	164°54.77'	N 23°16.63'	248°07.71'	23
24	179°54.64'	N 23°16.75'	263°10.17'	24
½Ø 15.7528'		p.h. (π) 0.1500'		
EoT at 12 UT -0m15s				

**16 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°51.44'	N 23°19.21'	264°09.31'	00
01	194°51.31'	N 23°19.31'	279°11.78'	01
02	209°51.17'	N 23°19.40'	294°14.24'	02
03	224°51.04'	N 23°19.49'	309°16.71'	03
04	239°50.91'	N 23°19.59'	324°19.17'	04
05	254°50.77'	N 23°19.68'	339°21.63'	05
06	269°50.64'	N 23°19.77'	354°24.10'	06
07	284°50.50'	N 23°19.86'	9°26.56'	07
08	299°50.37'	N 23°19.95'	24°29.03'	08
09	314°50.24'	N 23°20.03'	39°31.49'	09
10	329°50.10'	N 23°20.12'	54°33.95'	10
11	344°49.97'	N 23°20.21'	69°36.42'	11
12	359°49.83'	N 23°20.29'	84°38.88'	12
13	14°49.70'	N 23°20.38'	99°41.35'	13
14	29°49.56'	N 23°20.46'	114°43.81'	14
15	44°49.43'	N 23°20.55'	129°46.27'	15
16	59°49.30'	N 23°20.63'	144°48.74'	16
17	74°49.16'	N 23°20.71'	159°51.20'	17
18	89°49.03'	N 23°20.80'	174°53.67'	18
19	104°48.89'	N 23°20.88'	189°56.13'	19
20	119°48.76'	N 23°20.96'	204°58.60'	20
21	134°48.62'	N 23°21.04'	220°01.06'	21
22	149°48.49'	N 23°21.12'	235°03.52'	22
23	164°48.35'	N 23°21.19'	250°05.99'	23
24	179°48.22'	N 23°21.27'	265°08.45'	24
½Ø 15.7499'		p.h. (π) 0.1500'		
EoT at 12 UT -0m41s				

**17 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°48.22'	N 23°21.27'	265°08.45'	00
01	194°48.08'	N 23°21.35'	280°10.92'	01
02	209°47.95'	N 23°21.42'	295°13.38'	02
03	224°47.81'	N 23°21.50'	310°15.84'	03
04	239°47.68'	N 23°21.57'	325°18.31'	04
05	254°47.54'	N 23°21.65'	340°20.77'	05
06	269°47.41'	N 23°21.72'	355°23.24'	06
07	284°47.27'	N 23°21.79'	10°25.70'	07
08	299°47.14'	N 23°21.87'	25°28.16'	08
09	314°47.00'	N 23°21.94'	40°30.63'	09
10	329°46.87'	N 23°22.01'	55°33.09'	10
11	344°46.73'	N 23°22.08'	70°35.56'	11
12	359°46.60'	N 23°22.15'	85°38.02'	12
13	14°46.46'	N 23°22.21'	100°40.49'	13
14	29°46.33'	N 23°22.28'	115°42.95'	14
15	44°46.19'	N 23°22.35'	130°45.41'	15
16	59°46.06'	N 23°22.41'	145°47.88'	16
17	74°45.92'	N 23°22.48'	160°50.34'	17
18	89°45.79'	N 23°22.54'	175°52.81'	18
19	104°45.65'	N 23°22.61'	190°55.27'	19
20	119°45.52'	N 23°22.67'	205°57.73'	20
21	134°45.38'	N 23°22.73'	221°00.20'	21
22	149°45.25'	N 23°22.79'	236°02.66'	22
23	164°45.11'	N 23°22.86'	251°05.13'	23
24	179°44.98'	N 23°22.92'	266°07.59'	24
½Ø 15.7486'		p.h. (π) 0.1500'		
EoT at 12 UT -0m54s				

**19 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°41.72'	N 23°24.15'	267°06.73'	00
01	194°41.59'	N 23°24.19'	282°09.19'	01
02	209°41.45'	N 23°24.23'	297°11.66'	02
03	224°41.31'	N 23°24.27'	312°14.12'	03
04	239°41.18'	N 23°24.31'	327°16.59'	04
05	254°41.04'	N 23°24.35'	342°19.05'	05
06	269°40.91'	N 23°24.39'	357°21.51'	06
07	284°40.77'	N 23°24.43'	12°23.98'	07
08	299°40.64'	N 23°24.47'	27°26.44'	08
09	314°40.50'	N 23°24.50'	42°28.91'	09
10	329°40.36'	N 23°24.54'	57°31.37'	10
11	344°40.23'	N 23°24.58'	72°33.83'	11
12	359°40.09'	N 23°24.61'	87°36.30'	12
13	14°39.96'	N 23°24.64'	102°38.76'	13
14	29°39.82'	N 23°24.68'	117°41.23'	14
15	44°39.68'	N 23°24.71'	132°43.69'	15
16	59°39.55'	N 23°24.74'	147°46.16'	16
17	74°39.41'	N 23°24.77'	162°48.62'	17
18	89°39.28'	N 23°24.80'	177°51.08'	18
19	104°39.14'	N 23°24.83'	192°53.55'	19
20	119°39.00'	N 23°24.86'	207°56.01'	20
21	134°38.87'	N 23°24.89'	222°58.48'	21
22	149°38.73'	N 23°24.92'	238°00.94'	22
23	164°38.60'	N 23°24.94'	253°03.40'	23
24	179°38.46'	N 23°24.97'	268°05.87'	24
½Ø 15.7461'		p.h. (π) 0.1500'		
EoT at 12 UT -1m20s				

**18 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°44.98'	N 23°22.92'	266°07.59'	00
01	194°44.84'	N 23°22.98'	281°10.05'	01
02	209°44.71'	N 23°23.03'	296°12.52'	02
03	224°44.57'	N 23°23.09'	311°14.98'	03
04	239°44.43'	N 23°23.15'	326°17.45'	04
05	254°44.30'	N 23°23.21'	341°19.91'	05
06	269°44.16'	N 23°23.26'	356°22.38'	06
07	284°44.03'	N 23°23.32'	11°24.84'	07
08	299°43.89'	N 23°23.37'	26°27.30'	08
09	314°43.76'	N 23°23.43'	41°29.77'	09
10	329°43.62'	N 23°23.48'	56°32.23'	10
11	344°43.49'	N 23°23.53'	71°34.70'	11
12	359°43.35'	N 23°23.58'	86°37.16'	12
13	14°43.21'	N 23°23.63'	101°39.62'	13
14	29°43.08'	N 23°23.69'	116°42.09'	14
15	44°42.94'	N 23°23.73'	131°44.55'	15
16	59°42.81'	N 23°23.78'	146°47.02'	16
17	74°42.67'	N 23°23.83'	161°49.48'	17
18	89°42.54'	N 23°23.88'	176°51.94'	18
19	104°42.40'	N 23°23.93'	191°54.41'	19
20	119°42.27'	N 23°23.97'	206°56.87'	20
21	134°42.13'	N 23°24.02'	221°59.34'	21
22	149°41.99'	N 23°24.06'	237°01.80'	22
23	164°41.86'	N 23°24.11'	252°04.27'	23
24	179°41.72'	N 23°24.15'	267°06.73'	24
½Ø 15.7473'		p.h. (π) 0.1500'		
EoT at 12 UT -1m7s				

**20 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°38.46'	N 23°24.97'	268°05.87'	00
01	194°38.32'	N 23°24.99'	283°08.33'	01
02	209°38.19'	N 23°25.02'	298°10.80'	02
03	224°38.05'	N 23°25.04'	313°13.26'	03
04	239°37.92'	N 23°25.06'	328°15.72'	04
05	254°37.78'	N 23°25.09'	343°18.19'	05
06	269°37.65'	N 23°25.11'	358°20.65'	06
07	284°37.51'	N 23°25.13'	13°23.12'	07
08	299°37.37'	N 23°25.15'	28°25.58'	08
09	314°37.24'	N 23°25.17'	43°28.05'	09
10	329°37.10'	N 23°25.19'	58°30.51'	10
11	344°36.97'	N 23°25.21'	73°32.97'	11
12	359°36.83'	N 23°25.22'	88°35.44'	12
13	14°36.69'	N 23°25.24'	103°37.90'	13
14	29°36.56'	N 23°25.25'	118°40.37'	14
15	44°36.42'	N 23°25.27'	133°42.83'	15
16	59°36.29'	N 23°25.28'	148°45.29'	16
17	74°36.15'	N 23°25.30'	163°47.76'	17
18	89°36.01'	N 23°25.31'	178°50.22'	18
19	104°35.88'	N 23°25.32'	193°52.69'	19
20	119°35.74'	N 23°25.33'	208°55.15'	20
21	134°35.61'	N 23°25.35'	223°57.61'	21
22	149°35.47'	N 23°25.36'	239°00.08'	22
23	164°35.33'	N 23°25.37'	254°02.54'	23
24	179°35.20'	N 23°25.37'	269°05.01'	24
½Ø 15.7450'		p.h. (π) 0.1500'		
EoT at 12 UT -1m33s				

**21 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°35.20'	N 23°25.37'	269°05.01'	00
01	194°35.06'	N 23°25.38'	284°07.47'	01
02	209°34.93'	N 23°25.39'	299°09.94'	02
03	224°34.79'	N 23°25.40'	314°12.40'	03
04	239°34.66'	N 23°25.40'	329°14.86'	04
05	254°34.52'	N 23°25.41'	344°17.33'	05
06	269°34.38'	N 23°25.41'	359°19.79'	06
07	284°34.25'	N 23°25.41'	14°22.26'	07
08	299°34.11'	N 23°25.42'	29°24.72'	08
09	314°33.98'	N 23°25.42'	44°27.18'	09
10	329°33.84'	N 23°25.42'	59°29.65'	10
11	344°33.70'	N 23°25.42'	74°32.11'	11
12	359°33.57'	N 23°25.42'	89°34.58'	12
13	14°33.43'	N 23°25.42'	104°37.04'	13
14	29°33.30'	N 23°25.42'	119°39.50'	14
15	44°33.16'	N 23°25.42'	134°41.97'	15
16	59°33.03'	N 23°25.42'	149°44.43'	16
17	74°32.89'	N 23°25.41'	164°46.90'	17
18	89°32.76'	N 23°25.41'	179°49.36'	18
19	104°32.62'	N 23°25.40'	194°51.83'	19
20	119°32.48'	N 23°25.40'	209°54.29'	20
21	134°32.35'	N 23°25.39'	224°56.75'	21
22	149°32.21'	N 23°25.38'	239°59.22'	22
23	164°32.08'	N 23°25.38'	255°01.68'	23
24	179°31.94'	N 23°25.37'	270°04.15'	24
½Ø 15.7440'		p.h. (π) 0.1500'		
EoT at 12 UT -1m46s				

**23 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°28.70'	N 23°24.95'	271°03.28'	00
01	194°28.56'	N 23°24.92'	286°05.75'	01
02	209°28.43'	N 23°24.89'	301°08.21'	02
03	224°28.29'	N 23°24.87'	316°10.68'	03
04	239°28.16'	N 23°24.84'	331°13.14'	04
05	254°28.02'	N 23°24.81'	346°15.61'	05
06	269°27.89'	N 23°24.78'	1°18.07'	06
07	284°27.75'	N 23°24.75'	16°20.53'	07
08	299°27.62'	N 23°24.72'	31°23.00'	08
09	314°27.48'	N 23°24.68'	46°25.46'	09
10	329°27.35'	N 23°24.65'	61°27.93'	10
11	344°27.21'	N 23°24.62'	76°30.39'	11
12	359°27.08'	N 23°24.58'	91°32.85'	12
13	14°26.94'	N 23°24.55'	106°35.32'	13
14	29°26.81'	N 23°24.51'	121°37.78'	14
15	44°26.68'	N 23°24.48'	136°40.25'	15
16	59°26.54'	N 23°24.44'	151°42.71'	16
17	74°26.41'	N 23°24.40'	166°45.17'	17
18	89°26.27'	N 23°24.36'	181°47.64'	18
19	104°26.14'	N 23°24.32'	196°50.10'	19
20	119°26.00'	N 23°24.28'	211°52.57'	20
21	134°25.87'	N 23°24.24'	226°55.03'	21
22	149°25.74'	N 23°24.20'	241°57.50'	22
23	164°25.60'	N 23°24.16'	256°59.96'	23
24	179°25.47'	N 23°24.11'	272°02.42'	24
½Ø 15.7421'		p.h. (π) 0.1500'		
EoT at 12 UT -2m12s				

**22 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°31.94'	N 23°25.37'	270°04.15'	00
01	194°31.81'	N 23°25.36'	285°06.61'	01
02	209°31.67'	N 23°25.35'	300°09.07'	02
03	224°31.54'	N 23°25.34'	315°11.54'	03
04	239°31.40'	N 23°25.33'	330°14.00'	04
05	254°31.26'	N 23°25.31'	345°16.47'	05
06	269°31.13'	N 23°25.30'	0°18.93'	06
07	284°30.99'	N 23°25.29'	15°21.39'	07
08	299°30.86'	N 23°25.27'	30°23.86'	08
09	314°30.72'	N 23°25.26'	45°26.32'	09
10	329°30.59'	N 23°25.24'	60°28.79'	10
11	344°30.45'	N 23°25.23'	75°31.25'	11
12	359°30.32'	N 23°25.21'	90°33.72'	12
13	14°30.18'	N 23°25.19'	105°36.18'	13
14	29°30.05'	N 23°25.17'	120°38.64'	14
15	44°29.91'	N 23°25.15'	135°41.11'	15
16	59°29.78'	N 23°25.13'	150°43.57'	16
17	74°29.64'	N 23°25.11'	165°46.04'	17
18	89°29.51'	N 23°25.09'	180°48.50'	18
19	104°29.37'	N 23°25.07'	195°50.96'	19
20	119°29.24'	N 23°25.05'	210°53.43'	20
21	134°29.10'	N 23°25.02'	225°55.89'	21
22	149°28.97'	N 23°25.00'	240°58.36'	22
23	164°28.83'	N 23°24.97'	256°00.82'	23
24	179°28.70'	N 23°24.95'	271°03.28'	24
½Ø 15.7430'		p.h. (π) 0.1500'		
EoT at 12 UT -1m59s				

**24 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°25.47'	N 23°24.11'	272°02.42'	00
01	194°25.33'	N 23°24.07'	287°04.89'	01
02	209°25.20'	N 23°24.03'	302°07.35'	02
03	224°25.06'	N 23°23.98'	317°09.82'	03
04	239°24.93'	N 23°23.94'	332°12.28'	04
05	254°24.80'	N 23°23.89'	347°14.74'	05
06	269°24.66'	N 23°23.84'	2°17.21'	06
07	284°24.53'	N 23°23.79'	17°19.67'	07
08	299°24.40'	N 23°23.75'	32°22.14'	08
09	314°24.26'	N 23°23.70'	47°24.60'	09
10	329°24.13'	N 23°23.65'	62°27.06'	10
11	344°23.99'	N 23°23.60'	77°29.53'	11
12	359°23.86'	N 23°23.54'	92°31.99'	12
13	14°23.73'	N 23°23.49'	107°34.46'	13
14	29°23.59'	N 23°23.44'	122°36.92'	14
15	44°23.46'	N 23°23.38'	137°39.39'	15
16	59°23.33'	N 23°23.33'	152°41.85'	16
17	74°23.19'	N 23°23.28'	167°44.31'	17
18	89°23.06'	N 23°23.22'	182°46.78'	18
19	104°22.93'	N 23°23.16'	197°49.24'	19
20	119°22.79'	N 23°23.11'	212°51.71'	20
21	134°22.66'	N 23°23.05'	227°54.17'	21
22	149°22.53'	N 23°22.99'	242°56.63'	22
23	164°22.39'	N 23°22.93'	257°59.10'	23
24	179°22.26'	N 23°22.87'	273°01.56'	24
½Ø 15.7413'		p.h. (π) 0.1500'		
EoT at 12 UT -2m25s				

**25 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°22.26'	N 23°22.87'	273°01.56'	00
01	194°22.13'	N 23°22.81'	288°04.03'	01
02	209°21.99'	N 23°22.75'	303°06.49'	02
03	224°21.86'	N 23°22.69'	318°08.95'	03
04	239°21.73'	N 23°22.62'	333°11.42'	04
05	254°21.60'	N 23°22.56'	348°13.88'	05
06	269°21.46'	N 23°22.49'	3°16.35'	06
07	284°21.33'	N 23°22.43'	18°18.81'	07
08	299°21.20'	N 23°22.36'	33°21.28'	08
09	314°21.07'	N 23°22.30'	48°23.74'	09
10	329°20.93'	N 23°22.23'	63°26.20'	10
11	344°20.80'	N 23°22.16'	78°28.67'	11
12	359°20.67'	N 23°22.09'	93°31.13'	12
13	14°20.54'	N 23°22.02'	108°33.60'	13
14	29°20.40'	N 23°21.95'	123°36.06'	14
15	44°20.27'	N 23°21.88'	138°38.52'	15
16	59°20.14'	N 23°21.81'	153°40.99'	16
17	74°20.01'	N 23°21.74'	168°43.45'	17
18	89°19.87'	N 23°21.67'	183°45.92'	18
19	104°19.74'	N 23°21.59'	198°48.38'	19
20	119°19.61'	N 23°21.52'	213°50.84'	20
21	134°19.48'	N 23°21.44'	228°53.31'	21
22	149°19.35'	N 23°21.37'	243°55.77'	22
23	164°19.21'	N 23°21.29'	258°58.24'	23
24	179°19.08'	N 23°21.21'	274°00.70'	24
½Ø 15.7405'		p.h. (π) 0.1500'		
EoT at 12 UT -2m37s				

**27 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°15.94'	N 23°19.15'	274°59.84'	00
01	194°15.81'	N 23°19.05'	290°02.30'	01
02	209°15.68'	N 23°18.96'	305°04.77'	02
03	224°15.55'	N 23°18.86'	320°07.23'	03
04	239°15.42'	N 23°18.76'	335°09.70'	04
05	254°15.29'	N 23°18.66'	350°12.16'	05
06	269°15.16'	N 23°18.57'	5°14.63'	06
07	284°15.03'	N 23°18.47'	20°17.09'	07
08	299°14.90'	N 23°18.37'	35°19.55'	08
09	314°14.77'	N 23°18.27'	50°22.02'	09
10	329°14.64'	N 23°18.16'	65°24.48'	10
11	344°14.51'	N 23°18.06'	80°26.95'	11
12	359°14.38'	N 23°17.96'	95°29.41'	12
13	14°14.25'	N 23°17.86'	110°31.87'	13
14	29°14.13'	N 23°17.75'	125°34.34'	14
15	44°14.00'	N 23°17.65'	140°36.80'	15
16	59°13.87'	N 23°17.54'	155°39.27'	16
17	74°13.74'	N 23°17.43'	170°41.73'	17
18	89°13.61'	N 23°17.33'	185°44.19'	18
19	104°13.48'	N 23°17.22'	200°46.66'	19
20	119°13.35'	N 23°17.11'	215°49.12'	20
21	134°13.22'	N 23°17.00'	230°51.59'	21
22	149°13.09'	N 23°16.89'	245°54.05'	22
23	164°12.97'	N 23°16.78'	260°56.52'	23
24	179°12.84'	N 23°16.67'	275°58.98'	24
½Ø 15.7392'		p.h. (π) 0.1500'		
EoT at 12 UT -3m2s				

**26 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°19.08'	N 23°21.21'	274°00.70'	00
01	194°18.95'	N 23°21.14'	289°03.17'	01
02	209°18.82'	N 23°21.06'	304°05.63'	02
03	224°18.69'	N 23°20.98'	319°08.09'	03
04	239°18.56'	N 23°20.90'	334°10.56'	04
05	254°18.43'	N 23°20.82'	349°13.02'	05
06	269°18.29'	N 23°20.74'	4°15.49'	06
07	284°18.16'	N 23°20.65'	19°17.95'	07
08	299°18.03'	N 23°20.57'	34°20.41'	08
09	314°17.90'	N 23°20.49'	49°22.88'	09
10	329°17.77'	N 23°20.40'	64°25.34'	10
11	344°17.64'	N 23°20.32'	79°27.81'	11
12	359°17.51'	N 23°20.23'	94°30.27'	12
13	14°17.38'	N 23°20.15'	109°32.73'	13
14	29°17.25'	N 23°20.06'	124°35.20'	14
15	44°17.11'	N 23°19.97'	139°37.66'	15
16	59°16.98'	N 23°19.88'	154°40.13'	16
17	74°16.85'	N 23°19.79'	169°42.59'	17
18	89°16.72'	N 23°19.70'	184°45.06'	18
19	104°16.59'	N 23°19.61'	199°47.52'	19
20	119°16.46'	N 23°19.52'	214°49.98'	20
21	134°16.33'	N 23°19.43'	229°52.45'	21
22	149°16.20'	N 23°19.33'	244°54.91'	22
23	164°16.07'	N 23°19.24'	259°57.38'	23
24	179°15.94'	N 23°19.15'	274°59.84'	24
½Ø 15.7399'		p.h. (π) 0.1500'		
EoT at 12 UT -2m50s				

**28 juin 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°12.84'	N 23°16.67'	275°58.98'	00
01	194°12.71'	N 23°16.56'	291°01.44'	01
02	209°12.58'	N 23°16.45'	306°03.91'	02
03	224°12.45'	N 23°16.33'	321°06.37'	03
04	239°12.32'	N 23°16.22'	336°08.84'	04
05	254°12.20'	N 23°16.10'	351°11.30'	05
06	269°12.07'	N 23°15.99'	6°13.76'	06
07	284°11.94'	N 23°15.87'	21°16.23'	07
08	299°11.81'	N 23°15.75'	36°18.69'	08
09	314°11.69'	N 23°15.64'	51°21.16'	09
10	329°11.56'	N 23°15.52'	66°23.62'	10
11	344°11.43'	N 23°15.40'	81°26.08'	11
12	359°11.30'	N 23°15.28'	96°28.55'	12
13	14°11.18'	N 23°15.16'	111°31.01'	13
14	29°11.05'	N 23°15.04'	126°33.48'	14
15	44°10.92'	N 23°14.91'	141°35.94'	15
16	59°10.79'	N 23°14.79'	156°38.41'	16
17	74°10.67'	N 23°14.67'	171°40.87'	17
18	89°10.54'	N 23°14.54'	186°43.33'	18
19	104°10.41'	N 23°14.42'	201°45.80'	19
20	119°10.29'	N 23°14.29'	216°48.26'	20
21	134°10.16'	N 23°14.17'	231°50.73'	21
22	149°10.03'	N 23°14.04'	246°53.19'	22
23	164°09.91'	N 23°13.91'	261°55.65'	23
24	179°09.78'	N 23°13.78'	276°58.12'	24
½Ø 15.7387'		p.h. (π) 0.1500'		
EoT at 12 UT -3m15s				

29 juin 2010

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°09.78'	N 23°13.78'	276°58.12'	00
01	194°09.65'	N 23°13.66'	292°00.58'	01
02	209°09.53'	N 23°13.53'	307°03.05'	02
03	224°09.40'	N 23°13.40'	322°05.51'	03
04	239°09.28'	N 23°13.26'	337°07.97'	04
05	254°09.15'	N 23°13.13'	352°10.44'	05
06	269°09.02'	N 23°13.00'	7°12.90'	06
07	284°08.90'	N 23°12.87'	22°15.37'	07
08	299°08.77'	N 23°12.73'	37°17.83'	08
09	314°08.65'	N 23°12.60'	52°20.30'	09
10	329°08.52'	N 23°12.46'	67°22.76'	10
11	344°08.40'	N 23°12.33'	82°25.22'	11
12	359°08.27'	N 23°12.19'	97°27.69'	12
13	14°08.15'	N 23°12.05'	112°30.15'	13
14	29°08.02'	N 23°11.91'	127°32.62'	14
15	44°07.90'	N 23°11.77'	142°35.08'	15
16	59°07.77'	N 23°11.63'	157°37.54'	16
17	74°07.65'	N 23°11.49'	172°40.01'	17
18	89°07.52'	N 23°11.35'	187°42.47'	18
19	104°07.40'	N 23°11.21'	202°44.94'	19
20	119°07.27'	N 23°11.07'	217°47.40'	20
21	134°07.15'	N 23°10.93'	232°49.86'	21
22	149°07.02'	N 23°10.78'	247°52.33'	22
23	164°06.90'	N 23°10.64'	262°54.79'	23
24	179°06.78'	N 23°10.49'	277°57.26'	24
½Ø 15.7382'		p.h. (π) 0.1500'		
EoT at 12 UT -3m27s				

30 juin 2010

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°06.78'	N 23°10.49'	277°57.26'	00
01	194°06.65'	N 23°10.35'	292°59.72'	01
02	209°06.53'	N 23°10.20'	308°02.19'	02
03	224°06.40'	N 23°10.05'	323°04.65'	03
04	239°06.28'	N 23°09.90'	338°07.11'	04
05	254°06.16'	N 23°09.76'	353°09.58'	05
06	269°06.03'	N 23°09.61'	8°12.04'	06
07	284°05.91'	N 23°09.46'	23°14.51'	07
08	299°05.79'	N 23°09.30'	38°16.97'	08
09	314°05.66'	N 23°09.15'	53°19.43'	09
10	329°05.54'	N 23°09.00'	68°21.90'	10
11	344°05.42'	N 23°08.85'	83°24.36'	11
12	359°05.29'	N 23°08.69'	98°26.83'	12
13	14°05.17'	N 23°08.54'	113°29.29'	13
14	29°05.05'	N 23°08.38'	128°31.75'	14
15	44°04.93'	N 23°08.23'	143°34.22'	15
16	59°04.80'	N 23°08.07'	158°36.68'	16
17	74°04.68'	N 23°07.91'	173°39.15'	17
18	89°04.56'	N 23°07.76'	188°41.61'	18
19	104°04.44'	N 23°07.60'	203°44.08'	19
20	119°04.31'	N 23°07.44'	218°46.54'	20
21	134°04.19'	N 23°07.28'	233°49.00'	21
22	149°04.07'	N 23°07.12'	248°51.47'	22
23	164°03.95'	N 23°06.96'	263°53.93'	23
24	179°03.83'	N 23°06.79'	278°56.40'	24
½Ø 15.7379'		p.h. (π) 0.1500'		
EoT at 12 UT -3m39s				



**1er juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°03.83'	N 23°06.79'	278°56.40'	00
01	194°03.71'	N 23°06.63'	293°58.86'	01
02	209°03.58'	N 23°06.47'	309°01.32'	02
03	224°03.46'	N 23°06.30'	324°03.79'	03
04	239°03.34'	N 23°06.14'	339°06.25'	04
05	254°03.22'	N 23°05.97'	354°08.72'	05
06	269°03.10'	N 23°05.81'	9°11.18'	06
07	284°02.98'	N 23°05.64'	24°13.64'	07
08	299°02.86'	N 23°05.47'	39°16.11'	08
09	314°02.74'	N 23°05.30'	54°18.57'	09
10	329°02.62'	N 23°05.13'	69°21.04'	10
11	344°02.50'	N 23°04.96'	84°23.50'	11
12	359°02.38'	N 23°04.79'	99°25.97'	12
13	14°02.26'	N 23°04.62'	114°28.43'	13
14	29°02.14'	N 23°04.45'	129°30.89'	14
15	44°02.02'	N 23°04.28'	144°33.36'	15
16	59°01.90'	N 23°04.10'	159°35.82'	16
17	74°01.78'	N 23°03.93'	174°38.29'	17
18	89°01.66'	N 23°03.75'	189°40.75'	18
19	104°01.54'	N 23°03.58'	204°43.21'	19
20	119°01.42'	N 23°03.40'	219°45.68'	20
21	134°01.30'	N 23°03.23'	234°48.14'	21
22	149°01.18'	N 23°03.05'	249°50.61'	22
23	164°01.06'	N 23°02.87'	264°53.07'	23
24	179°00.94'	N 23°02.69'	279°55.53'	24
½Ø 15.7375'		p.h. (π) 0.1500'		
EoT at 12 UT - 3m50s				

**3 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°58.12'	N 22°58.19'	280°54.67'	00
01	193°58.01'	N 22°57.99'	295°57.14'	01
02	208°57.89'	N 22°57.79'	310°59.60'	02
03	223°57.78'	N 22°57.59'	326°02.07'	03
04	238°57.66'	N 22°57.40'	341°04.53'	04
05	253°57.55'	N 22°57.20'	356°06.99'	05
06	268°57.43'	N 22°57.00'	11°09.46'	06
07	283°57.32'	N 22°56.80'	26°11.92'	07
08	298°57.20'	N 22°56.59'	41°14.39'	08
09	313°57.09'	N 22°56.39'	56°16.85'	09
10	328°56.97'	N 22°56.19'	71°19.31'	10
11	343°56.86'	N 22°55.99'	86°21.78'	11
12	358°56.74'	N 22°55.78'	101°24.24'	12
13	13°56.63'	N 22°55.58'	116°26.71'	13
14	28°56.51'	N 22°55.37'	131°29.17'	14
15	43°56.40'	N 22°55.17'	146°31.64'	15
16	58°56.29'	N 22°54.96'	161°34.10'	16
17	73°56.17'	N 22°54.75'	176°36.56'	17
18	88°56.06'	N 22°54.54'	191°39.03'	18
19	103°55.95'	N 22°54.33'	206°41.49'	19
20	118°55.83'	N 22°54.13'	221°43.96'	20
21	133°55.72'	N 22°53.91'	236°46.42'	21
22	148°55.61'	N 22°53.70'	251°48.88'	22
23	163°55.49'	N 22°53.49'	266°51.35'	23
24	178°55.38'	N 22°53.28'	281°53.81'	24
½Ø 15.7371'		p.h. (π) 0.1500'		
EoT at 12 UT -4m13s				

**2 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°00.94'	N 23°02.69'	279°55.53'	00
01	194°00.82'	N 23°02.51'	294°58.00'	01
02	209°00.70'	N 23°02.33'	310°00.46'	02
03	224°00.59'	N 23°02.15'	325°02.93'	03
04	239°00.47'	N 23°01.97'	340°05.39'	04
05	254°00.35'	N 23°01.79'	355°07.86'	05
06	269°00.23'	N 23°01.60'	10°10.32'	06
07	284°00.11'	N 23°01.42'	25°12.78'	07
08	298°60.00'	N 23°01.23'	40°15.25'	08
09	313°59.88'	N 23°01.05'	55°17.71'	09
10	328°59.76'	N 23°00.86'	70°20.18'	10
11	343°59.64'	N 23°00.68'	85°22.64'	11
12	358°59.52'	N 23°00.49'	100°25.10'	12
13	13°59.41'	N 23°00.30'	115°27.57'	13
14	28°59.29'	N 23°00.11'	130°30.03'	14
15	43°59.17'	N 22°59.92'	145°32.50'	15
16	58°59.06'	N 22°59.73'	160°34.96'	16
17	73°58.94'	N 22°59.54'	175°37.42'	17
18	88°58.82'	N 22°59.35'	190°39.89'	18
19	103°58.71'	N 22°59.16'	205°42.35'	19
20	118°58.59'	N 22°58.96'	220°44.82'	20
21	133°58.47'	N 22°58.77'	235°47.28'	21
22	148°58.36'	N 22°58.58'	250°49.75'	22
23	163°58.24'	N 22°58.38'	265°52.21'	23
24	178°58.12'	N 22°58.19'	280°54.67'	24
½Ø 15.7373'		p.h. (π) 0.1500'		
EoT at 12 UT -4m2s				

**4 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°55.38'	N 22°53.28'	281°53.81'	00
01	193°55.27'	N 22°53.07'	296°56.28'	01
02	208°55.16'	N 22°52.85'	311°58.74'	02
03	223°55.04'	N 22°52.64'	327°01.20'	03
04	238°54.93'	N 22°52.42'	342°03.67'	04
05	253°54.82'	N 22°52.21'	357°06.13'	05
06	268°54.71'	N 22°51.99'	12°08.60'	06
07	283°54.59'	N 22°51.77'	27°11.06'	07
08	298°54.48'	N 22°51.56'	42°13.53'	08
09	313°54.37'	N 22°51.34'	57°15.99'	09
10	328°54.26'	N 22°51.12'	72°18.45'	10
11	343°54.15'	N 22°50.90'	87°20.92'	11
12	358°54.04'	N 22°50.68'	102°23.38'	12
13	13°53.93'	N 22°50.46'	117°25.85'	13
14	28°53.82'	N 22°50.23'	132°28.31'	14
15	43°53.70'	N 22°50.01'	147°30.77'	15
16	58°53.59'	N 22°49.79'	162°33.24'	16
17	73°53.48'	N 22°49.56'	177°35.70'	17
18	88°53.37'	N 22°49.34'	192°38.17'	18
19	103°53.26'	N 22°49.11'	207°40.63'	19
20	118°53.15'	N 22°48.89'	222°43.09'	20
21	133°53.04'	N 22°48.66'	237°45.56'	21
22	148°52.93'	N 22°48.43'	252°48.02'	22
23	163°52.82'	N 22°48.20'	267°50.49'	23
24	178°52.71'	N 22°47.98'	282°52.95'	24
½Ø 15.7371'		p.h. (π) 0.1500'		
EoT at 12 UT -4m24s				

**5 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°52.71'	N 22°47.98'	282°52.95'	00
01	193°52.60'	N 22°47.75'	297°55.42'	01
02	208°52.50'	N 22°47.52'	312°57.88'	02
03	223°52.39'	N 22°47.28'	328°00.34'	03
04	238°52.28'	N 22°47.05'	343°02.81'	04
05	253°52.17'	N 22°46.82'	358°05.27'	05
06	268°52.06'	N 22°46.59'	13°07.74'	06
07	283°51.95'	N 22°46.35'	28°10.20'	07
08	298°51.84'	N 22°46.12'	43°12.66'	08
09	313°51.74'	N 22°45.88'	58°15.13'	09
10	328°51.63'	N 22°45.65'	73°17.59'	10
11	343°51.52'	N 22°45.41'	88°20.06'	11
12	358°51.41'	N 22°45.17'	103°22.52'	12
13	13°51.30'	N 22°44.94'	118°24.98'	13
14	28°51.20'	N 22°44.70'	133°27.45'	14
15	43°51.09'	N 22°44.46'	148°29.91'	15
16	58°50.98'	N 22°44.22'	163°32.38'	16
17	73°50.88'	N 22°43.98'	178°34.84'	17
18	88°50.77'	N 22°43.74'	193°37.31'	18
19	103°50.66'	N 22°43.49'	208°39.77'	19
20	118°50.56'	N 22°43.25'	223°42.23'	20
21	133°50.45'	N 22°43.01'	238°44.70'	21
22	148°50.34'	N 22°42.76'	253°47.16'	22
23	163°50.24'	N 22°42.52'	268°49.63'	23
24	178°50.13'	N 22°42.27'	283°52.09'	24
½Ø 15.7370'		p.h. (π) 0.1500'		
EoT at 12 UT -4m34s				

**7 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°47.64'	N 22°36.18'	284°51.23'	00
01	193°47.53'	N 22°35.92'	299°53.69'	01
02	208°47.43'	N 22°35.65'	314°56.16'	02
03	223°47.33'	N 22°35.39'	329°58.62'	03
04	238°47.23'	N 22°35.13'	345°01.09'	04
05	253°47.13'	N 22°34.86'	0°03.55'	05
06	268°47.03'	N 22°34.59'	15°06.01'	06
07	283°46.93'	N 22°34.33'	30°08.48'	07
08	298°46.83'	N 22°34.06'	45°10.94'	08
09	313°46.72'	N 22°33.79'	60°13.41'	09
10	328°46.62'	N 22°33.52'	75°15.87'	10
11	343°46.52'	N 22°33.25'	90°18.33'	11
12	358°46.42'	N 22°32.98'	105°20.80'	12
13	13°46.32'	N 22°32.71'	120°23.26'	13
14	28°46.22'	N 22°32.44'	135°25.73'	14
15	43°46.12'	N 22°32.17'	150°28.19'	15
16	58°46.02'	N 22°31.90'	165°30.65'	16
17	73°45.93'	N 22°31.63'	180°33.12'	17
18	88°45.83'	N 22°31.35'	195°35.58'	18
19	103°45.73'	N 22°31.08'	210°38.05'	19
20	118°45.63'	N 22°30.80'	225°40.51'	20
21	133°45.53'	N 22°30.53'	240°42.98'	21
22	148°45.43'	N 22°30.25'	255°45.44'	22
23	163°45.33'	N 22°29.97'	270°47.90'	23
24	178°45.23'	N 22°29.69'	285°50.37'	24
½Ø 15.7372'		p.h. (π) 0.1500'		
EoT at 12 UT -4m54s				

**6 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°50.13'	N 22°42.27'	283°52.09'	00
01	193°50.03'	N 22°42.03'	298°54.55'	01
02	208°49.92'	N 22°41.78'	313°57.02'	02
03	223°49.81'	N 22°41.53'	328°59.48'	03
04	238°49.71'	N 22°41.29'	344°01.95'	04
05	253°49.60'	N 22°41.04'	359°04.41'	05
06	268°49.50'	N 22°40.79'	14°06.87'	06
07	283°49.39'	N 22°40.54'	29°09.34'	07
08	298°49.29'	N 22°40.29'	44°11.80'	08
09	313°49.19'	N 22°40.03'	59°14.27'	09
10	328°49.08'	N 22°39.78'	74°16.73'	10
11	343°48.98'	N 22°39.53'	89°19.20'	11
12	358°48.87'	N 22°39.28'	104°21.66'	12
13	13°48.77'	N 22°39.02'	119°24.12'	13
14	28°48.66'	N 22°38.77'	134°26.59'	14
15	43°48.56'	N 22°38.51'	149°29.05'	15
16	58°48.46'	N 22°38.25'	164°31.52'	16
17	73°48.35'	N 22°38.00'	179°33.98'	17
18	88°48.25'	N 22°37.74'	194°36.44'	18
19	103°48.15'	N 22°37.48'	209°38.91'	19
20	118°48.05'	N 22°37.22'	224°41.37'	20
21	133°47.94'	N 22°36.96'	239°43.84'	21
22	148°47.84'	N 22°36.70'	254°46.30'	22
23	163°47.74'	N 22°36.44'	269°48.76'	23
24	178°47.64'	N 22°36.18'	284°51.23'	24
½Ø 15.7371'		p.h. (π) 0.1500'		
EoT at 12 UT -4m45s				

**8 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°45.23'	N 22°29.69'	285°50.37'	00
01	193°45.14'	N 22°29.41'	300°52.83'	01
02	208°45.04'	N 22°29.13'	315°55.30'	02
03	223°44.94'	N 22°28.85'	330°57.76'	03
04	238°44.84'	N 22°28.57'	346°00.22'	04
05	253°44.75'	N 22°28.29'	1°02.69'	05
06	268°44.65'	N 22°28.01'	16°05.15'	06
07	283°44.55'	N 22°27.73'	31°07.62'	07
08	298°44.46'	N 22°27.44'	46°10.08'	08
09	313°44.36'	N 22°27.16'	61°12.54'	09
10	328°44.26'	N 22°26.88'	76°15.01'	10
11	343°44.17'	N 22°26.59'	91°17.47'	11
12	358°44.07'	N 22°26.30'	106°19.94'	12
13	13°43.97'	N 22°26.02'	121°22.40'	13
14	28°43.88'	N 22°25.73'	136°24.87'	14
15	43°43.78'	N 22°25.44'	151°27.33'	15
16	58°43.69'	N 22°25.15'	166°29.79'	16
17	73°43.59'	N 22°24.86'	181°32.26'	17
18	88°43.50'	N 22°24.57'	196°34.72'	18
19	103°43.40'	N 22°24.28'	211°37.19'	19
20	118°43.31'	N 22°23.99'	226°39.65'	20
21	133°43.21'	N 22°23.70'	241°42.11'	21
22	148°43.12'	N 22°23.41'	256°44.58'	22
23	163°43.02'	N 22°23.11'	271°47.04'	23
24	178°42.93'	N 22°22.82'	286°49.51'	24
½Ø 15.7374'		p.h. (π) 0.1500'		
EoT at 12 UT -5m4s				

**9 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	178°42.93'	N 22°22.82'	286°49.51'	00
01	193°42.84'	N 22°22.52'	301°51.97'	01
02	208°42.74'	N 22°22.23'	316°54.43'	02
03	223°42.65'	N 22°21.93'	331°56.90'	03
04	238°42.56'	N 22°21.63'	346°59.36'	04
05	253°42.46'	N 22°21.34'	2°01.83'	05
06	268°42.37'	N 22°21.04'	17°04.29'	06
07	283°42.28'	N 22°20.74'	32°06.76'	07
08	298°42.18'	N 22°20.44'	47°09.22'	08
09	313°42.09'	N 22°20.14'	62°11.68'	09
10	328°42.00'	N 22°19.84'	77°14.15'	10
11	343°41.91'	N 22°19.54'	92°16.61'	11
12	358°41.82'	N 22°19.23'	107°19.08'	12
13	13°41.72'	N 22°18.93'	122°21.54'	13
14	28°41.63'	N 22°18.63'	137°24.00'	14
15	43°41.54'	N 22°18.32'	152°26.47'	15
16	58°41.45'	N 22°18.02'	167°28.93'	16
17	73°41.36'	N 22°17.71'	182°31.40'	17
18	88°41.27'	N 22°17.41'	197°33.86'	18
19	103°41.18'	N 22°17.10'	212°36.32'	19
20	118°41.09'	N 22°16.79'	227°38.79'	20
21	133°41.00'	N 22°16.48'	242°41.25'	21
22	148°40.91'	N 22°16.18'	257°43.72'	22
23	163°40.82'	N 22°15.87'	272°46.18'	23
24	178°40.73'	N 22°15.56'	287°48.65'	24
½Ø 15.7377' p.h. (π) 0.1500'				
EoT at 12 UT -5m13s				

**11 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	178°38.63'	N 22°07.91'	288°47.78'	00
01	193°38.55'	N 22°07.58'	303°50.25'	01
02	208°38.46'	N 22°07.26'	318°52.71'	02
03	223°38.38'	N 22°06.93'	333°55.18'	03
04	238°38.29'	N 22°06.60'	348°57.64'	04
05	253°38.21'	N 22°06.27'	4°00.10'	05
06	268°38.12'	N 22°05.94'	19°02.57'	06
07	283°38.04'	N 22°05.61'	34°05.03'	07
08	298°37.96'	N 22°05.28'	49°07.50'	08
09	313°37.87'	N 22°04.95'	64°09.96'	09
10	328°37.79'	N 22°04.61'	79°12.43'	10
11	343°37.71'	N 22°04.28'	94°14.89'	11
12	358°37.62'	N 22°03.95'	109°17.35'	12
13	13°37.54'	N 22°03.61'	124°19.82'	13
14	28°37.46'	N 22°03.28'	139°22.28'	14
15	43°37.38'	N 22°02.94'	154°24.75'	15
16	58°37.29'	N 22°02.60'	169°27.21'	16
17	73°37.21'	N 22°02.26'	184°29.67'	17
18	88°37.13'	N 22°01.93'	199°32.14'	18
19	103°37.05'	N 22°01.59'	214°34.60'	19
20	118°36.97'	N 22°01.25'	229°37.07'	20
21	133°36.89'	N 22°00.91'	244°39.53'	21
22	148°36.80'	N 22°00.57'	259°41.99'	22
23	163°36.72'	N 22°00.23'	274°44.46'	23
24	178°36.64'	N 21°59.89'	289°46.92'	24
½Ø 15.7385' p.h. (π) 0.1500'				
EoT at 12 UT -5m30s				

**10 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	178°40.73'	N 22°15.56'	287°48.65'	00
01	193°40.64'	N 22°15.24'	302°51.11'	01
02	208°40.55'	N 22°14.93'	317°53.57'	02
03	223°40.46'	N 22°14.62'	332°56.04'	03
04	238°40.37'	N 22°14.31'	347°58.50'	04
05	253°40.28'	N 22°13.99'	3°00.97'	05
06	268°40.19'	N 22°13.68'	18°03.43'	06
07	283°40.10'	N 22°13.37'	33°05.89'	07
08	298°40.02'	N 22°13.05'	48°08.36'	08
09	313°39.93'	N 22°12.73'	63°10.82'	09
10	328°39.84'	N 22°12.42'	78°13.29'	10
11	343°39.75'	N 22°12.10'	93°15.75'	11
12	358°39.66'	N 22°11.78'	108°18.21'	12
13	13°39.58'	N 22°11.46'	123°20.68'	13
14	28°39.49'	N 22°11.14'	138°23.14'	14
15	43°39.40'	N 22°10.82'	153°25.61'	15
16	58°39.32'	N 22°10.50'	168°28.07'	16
17	73°39.23'	N 22°10.18'	183°30.54'	17
18	88°39.14'	N 22°09.86'	198°33.00'	18
19	103°39.06'	N 22°09.53'	213°35.46'	19
20	118°38.97'	N 22°09.21'	228°37.93'	20
21	133°38.89'	N 22°08.89'	243°40.39'	21
22	148°38.80'	N 22°08.56'	258°42.86'	22
23	163°38.72'	N 22°08.24'	273°45.32'	23
24	178°38.63'	N 22°07.91'	288°47.78'	24
½Ø 15.7381' p.h. (π) 0.1500'				
EoT at 12 UT -5m21s				

**12 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	178°36.64'	N 21°59.89'	289°46.92'	00
01	193°36.56'	N 21°59.54'	304°49.39'	01
02	208°36.48'	N 21°59.20'	319°51.85'	02
03	223°36.40'	N 21°58.86'	334°54.32'	03
04	238°36.32'	N 21°58.51'	349°56.78'	04
05	253°36.24'	N 21°58.17'	4°59.24'	05
06	268°36.16'	N 21°57.82'	20°01.71'	06
07	283°36.09'	N 21°57.47'	35°04.17'	07
08	298°36.01'	N 21°57.13'	50°06.64'	08
09	313°35.93'	N 21°56.78'	65°09.10'	09
10	328°35.85'	N 21°56.43'	80°11.56'	10
11	343°35.77'	N 21°56.08'	95°14.03'	11
12	358°35.69'	N 21°55.73'	110°16.49'	12
13	13°35.61'	N 21°55.38'	125°18.96'	13
14	28°35.54'	N 21°55.03'	140°21.42'	14
15	43°35.46'	N 21°54.68'	155°23.88'	15
16	58°35.38'	N 21°54.32'	170°26.35'	16
17	73°35.30'	N 21°53.97'	185°28.81'	17
18	88°35.23'	N 21°53.62'	200°31.28'	18
19	103°35.15'	N 21°53.26'	215°33.74'	19
20	118°35.07'	N 21°52.91'	230°36.21'	20
21	133°35.00'	N 21°52.55'	245°38.67'	21
22	148°34.92'	N 21°52.20'	260°41.13'	22
23	163°34.85'	N 21°51.84'	275°43.60'	23
24	178°34.77'	N 21°51.48'	290°46.06'	24
½Ø 15.7390' p.h. (π) 0.1500'				
EoT at 12 UT -5m37s				

**13 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°34.77'	N 21°51.48'	290°46.06'	00
01	193°34.70'	N 21°51.12'	305°48.53'	01
02	208°34.62'	N 21°50.77'	320°50.99'	02
03	223°34.54'	N 21°50.41'	335°53.45'	03
04	238°34.47'	N 21°50.05'	350°55.92'	04
05	253°34.40'	N 21°49.68'	5°58.38'	05
06	268°34.32'	N 21°49.32'	21°00.85'	06
07	283°34.25'	N 21°48.96'	36°03.31'	07
08	298°34.17'	N 21°48.60'	51°05.77'	08
09	313°34.10'	N 21°48.23'	66°08.24'	09
10	328°34.02'	N 21°47.87'	81°10.70'	10
11	343°33.95'	N 21°47.51'	96°13.17'	11
12	358°33.88'	N 21°47.14'	111°15.63'	12
13	13°33.81'	N 21°46.77'	126°18.10'	13
14	28°33.73'	N 21°46.41'	141°20.56'	14
15	43°33.66'	N 21°46.04'	156°23.02'	15
16	58°33.59'	N 21°45.67'	171°25.49'	16
17	73°33.52'	N 21°45.30'	186°27.95'	17
18	88°33.44'	N 21°44.93'	201°30.42'	18
19	103°33.37'	N 21°44.56'	216°32.88'	19
20	118°33.30'	N 21°44.19'	231°35.34'	20
21	133°33.23'	N 21°43.82'	246°37.81'	21
22	148°33.16'	N 21°43.45'	261°40.27'	22
23	163°33.09'	N 21°43.08'	276°42.74'	23
24	178°33.02'	N 21°42.71'	291°45.20'	24
½Ø 15.7396'		p.h. (π) 0.1500'		
EoT at 12 UT -5m44s				

**15 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°31.38'	N 21°33.56'	292°44.34'	00
01	193°31.32'	N 21°33.17'	307°46.80'	01
02	208°31.25'	N 21°32.78'	322°49.27'	02
03	223°31.19'	N 21°32.39'	337°51.73'	03
04	238°31.12'	N 21°32.00'	352°54.20'	04
05	253°31.06'	N 21°31.61'	7°56.66'	05
06	268°30.99'	N 21°31.21'	22°59.12'	06
07	283°30.93'	N 21°30.82'	38°01.59'	07
08	298°30.87'	N 21°30.43'	53°04.05'	08
09	313°30.80'	N 21°30.03'	68°06.52'	09
10	328°30.74'	N 21°29.64'	83°08.98'	10
11	343°30.67'	N 21°29.24'	98°11.44'	11
12	358°30.61'	N 21°28.85'	113°13.91'	12
13	13°30.55'	N 21°28.45'	128°16.37'	13
14	28°30.49'	N 21°28.05'	143°18.84'	14
15	43°30.42'	N 21°27.65'	158°21.30'	15
16	58°30.36'	N 21°27.26'	173°23.77'	16
17	73°30.30'	N 21°26.86'	188°26.23'	17
18	88°30.24'	N 21°26.46'	203°28.69'	18
19	103°30.18'	N 21°26.06'	218°31.16'	19
20	118°30.12'	N 21°25.65'	233°33.62'	20
21	133°30.05'	N 21°25.25'	248°36.09'	21
22	148°29.99'	N 21°24.85'	263°38.55'	22
23	163°29.93'	N 21°24.45'	278°41.01'	23
24	178°29.87'	N 21°24.04'	293°43.48'	24
½Ø 15.7409'		p.h. (π) 0.1500'		
EoT at 12 UT -5m58s				

**14 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°33.02'	N 21°42.71'	291°45.20'	00
01	193°32.95'	N 21°42.33'	306°47.66'	01
02	208°32.87'	N 21°41.96'	321°50.13'	02
03	223°32.80'	N 21°41.58'	336°52.59'	03
04	238°32.74'	N 21°41.21'	351°55.06'	04
05	253°32.67'	N 21°40.83'	6°57.52'	05
06	268°32.60'	N 21°40.45'	21°59.99'	06
07	283°32.53'	N 21°40.08'	37°02.45'	07
08	298°32.46'	N 21°39.70'	52°04.91'	08
09	313°32.39'	N 21°39.32'	67°07.38'	09
10	328°32.32'	N 21°38.94'	82°09.84'	10
11	343°32.25'	N 21°38.56'	97°12.31'	11
12	358°32.18'	N 21°38.18'	112°14.77'	12
13	13°32.12'	N 21°37.80'	127°17.23'	13
14	28°32.05'	N 21°37.41'	142°19.70'	14
15	43°31.98'	N 21°37.03'	157°22.16'	15
16	58°31.91'	N 21°36.65'	172°24.63'	16
17	73°31.85'	N 21°36.26'	187°27.09'	17
18	88°31.78'	N 21°35.88'	202°29.55'	18
19	103°31.71'	N 21°35.49'	217°32.02'	19
20	118°31.65'	N 21°35.11'	232°34.48'	20
21	133°31.58'	N 21°34.72'	247°36.95'	21
22	148°31.51'	N 21°34.33'	262°39.41'	22
23	163°31.45'	N 21°33.95'	277°41.88'	23
24	178°31.38'	N 21°33.56'	292°44.34'	24
½Ø 15.7402'		p.h. (π) 0.1500'		
EoT at 12 UT -5m51s				

**16 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°29.87'	N 21°24.04'	293°43.48'	00
01	193°29.81'	N 21°23.64'	308°45.94'	01
02	208°29.75'	N 21°23.23'	323°48.41'	02
03	223°29.69'	N 21°22.83'	338°50.87'	03
04	238°29.63'	N 21°22.42'	353°53.33'	04
05	253°29.57'	N 21°22.01'	8°55.80'	05
06	268°29.52'	N 21°21.61'	23°58.26'	06
07	283°29.46'	N 21°21.20'	39°00.73'	07
08	298°29.40'	N 21°20.79'	54°03.19'	08
09	313°29.34'	N 21°20.38'	69°05.66'	09
10	328°29.28'	N 21°19.97'	84°08.12'	10
11	343°29.22'	N 21°19.56'	99°10.58'	11
12	358°29.17'	N 21°19.15'	114°13.05'	12
13	13°29.11'	N 21°18.74'	129°15.51'	13
14	28°29.05'	N 21°18.32'	144°17.98'	14
15	43°28.99'	N 21°17.91'	159°20.44'	15
16	58°28.94'	N 21°17.50'	174°22.90'	16
17	73°28.88'	N 21°17.08'	189°25.37'	17
18	88°28.83'	N 21°16.67'	204°27.83'	18
19	103°28.77'	N 21°16.25'	219°30.30'	19
20	118°28.71'	N 21°15.84'	234°32.76'	20
21	133°28.66'	N 21°15.42'	249°35.22'	21
22	148°28.60'	N 21°15.00'	264°37.69'	22
23	163°28.55'	N 21°14.58'	279°40.15'	23
24	178°28.49'	N 21°14.16'	294°42.62'	24
½Ø 15.7417'		p.h. (π) 0.1500'		
EoT at 12 UT -6m3s				

**17 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°28.49'	N 21°14.16'	294°42.62'	00
01	193°28.44'	N 21°13.75'	309°45.08'	01
02	208°28.38'	N 21°13.32'	324°47.55'	02
03	223°28.33'	N 21°12.90'	339°50.01'	03
04	238°28.27'	N 21°12.48'	354°52.47'	04
05	253°28.22'	N 21°12.06'	9°54.94'	05
06	268°28.17'	N 21°11.64'	24°57.40'	06
07	283°28.11'	N 21°11.22'	39°59.87'	07
08	298°28.06'	N 21°10.79'	55°02.33'	08
09	313°28.01'	N 21°10.37'	70°04.79'	09
10	328°27.96'	N 21°09.94'	85°07.26'	10
11	343°27.90'	N 21°09.52'	100°09.72'	11
12	358°27.85'	N 21°09.09'	115°12.19'	12
13	13°27.80'	N 21°08.66'	130°14.65'	13
14	28°27.75'	N 21°08.24'	145°17.11'	14
15	43°27.70'	N 21°07.81'	160°19.58'	15
16	58°27.64'	N 21°07.38'	175°22.04'	16
17	73°27.59'	N 21°06.95'	190°24.51'	17
18	88°27.54'	N 21°06.52'	205°26.97'	18
19	103°27.49'	N 21°06.09'	220°29.44'	19
20	118°27.44'	N 21°05.66'	235°31.90'	20
21	133°27.39'	N 21°05.23'	250°34.36'	21
22	148°27.34'	N 21°04.79'	265°36.83'	22
23	163°27.29'	N 21°04.36'	280°39.29'	23
24	178°27.24'	N 21°03.93'	295°41.76'	24
½Ø 15.7426'		p.h. (π) 0.1500'		
EoT at 12 UT - 6m9s				

**19 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°26.13'	N 20°53.33'	296°40.89'	00
01	193°26.08'	N 20°52.88'	311°43.36'	01
02	208°26.04'	N 20°52.43'	326°45.82'	02
03	223°26.00'	N 20°51.98'	341°48.29'	03
04	238°25.95'	N 20°51.53'	356°50.75'	04
05	253°25.91'	N 20°51.08'	11°53.22'	05
06	268°25.87'	N 20°50.63'	26°55.68'	06
07	283°25.83'	N 20°50.17'	41°58.14'	07
08	298°25.78'	N 20°49.72'	57°00.61'	08
09	313°25.74'	N 20°49.27'	72°03.07'	09
10	328°25.70'	N 20°48.81'	87°05.54'	10
11	343°25.66'	N 20°48.36'	102°08.00'	11
12	358°25.62'	N 20°47.90'	117°10.46'	12
13	13°25.58'	N 20°47.44'	132°12.93'	13
14	28°25.54'	N 20°46.99'	147°15.39'	14
15	43°25.50'	N 20°46.53'	162°17.86'	15
16	58°25.46'	N 20°46.07'	177°20.32'	16
17	73°25.42'	N 20°45.61'	192°22.78'	17
18	88°25.38'	N 20°45.15'	207°25.25'	18
19	103°25.34'	N 20°44.69'	222°27.71'	19
20	118°25.30'	N 20°44.23'	237°30.18'	20
21	133°25.26'	N 20°43.77'	252°32.64'	21
22	148°25.22'	N 20°43.31'	267°35.11'	22
23	163°25.18'	N 20°42.85'	282°37.57'	23
24	178°25.15'	N 20°42.38'	297°40.03'	24
½Ø 15.7445'		p.h. (π) 0.1500'		
EoT at 12 UT -6m18s				

**18 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°27.24'	N 21°03.93'	295°41.76'	00
01	193°27.19'	N 21°03.49'	310°44.22'	01
02	208°27.14'	N 21°03.06'	325°46.68'	02
03	223°27.10'	N 21°02.62'	340°49.15'	03
04	238°27.05'	N 21°02.18'	355°51.61'	04
05	253°27.00'	N 21°01.75'	10°54.08'	05
06	268°26.95'	N 21°01.31'	25°56.54'	06
07	283°26.90'	N 21°00.87'	40°59.00'	07
08	298°26.85'	N 21°00.43'	56°01.47'	08
09	313°26.81'	N 20°59.99'	71°03.93'	09
10	328°26.76'	N 20°59.55'	86°06.40'	10
11	343°26.71'	N 20°59.11'	101°08.86'	11
12	358°26.67'	N 20°58.67'	116°11.33'	12
13	13°26.62'	N 20°58.23'	131°13.79'	13
14	28°26.57'	N 20°57.79'	146°16.25'	14
15	43°26.53'	N 20°57.35'	161°18.72'	15
16	58°26.48'	N 20°56.90'	176°21.18'	16
17	73°26.44'	N 20°56.46'	191°23.65'	17
18	88°26.39'	N 20°56.01'	206°26.11'	18
19	103°26.35'	N 20°55.57'	221°28.57'	19
20	118°26.30'	N 20°55.12'	236°31.04'	20
21	133°26.26'	N 20°54.67'	251°33.50'	21
22	148°26.21'	N 20°54.23'	266°35.97'	22
23	163°26.17'	N 20°53.78'	281°38.43'	23
24	178°26.13'	N 20°53.33'	296°40.89'	24
½Ø 15.7435'		p.h. (π) 0.1500'		
EoT at 12 UT -6m13s				

**20 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°25.15'	N 20°42.38'	297°40.03'	00
01	193°25.11'	N 20°41.92'	312°42.50'	01
02	208°25.07'	N 20°41.46'	327°44.96'	02
03	223°25.03'	N 20°40.99'	342°47.43'	03
04	238°25.00'	N 20°40.53'	357°49.89'	04
05	253°24.96'	N 20°40.06'	12°52.35'	05
06	268°24.92'	N 20°39.59'	27°54.82'	06
07	283°24.89'	N 20°39.13'	42°57.28'	07
08	298°24.85'	N 20°38.66'	57°59.75'	08
09	313°24.81'	N 20°38.19'	73°02.21'	09
10	328°24.78'	N 20°37.72'	88°04.67'	10
11	343°24.74'	N 20°37.25'	103°07.14'	11
12	358°24.71'	N 20°36.78'	118°09.60'	12
13	13°24.67'	N 20°36.31'	133°12.07'	13
14	28°24.64'	N 20°35.84'	148°14.53'	14
15	43°24.60'	N 20°35.36'	163°17.00'	15
16	58°24.57'	N 20°34.89'	178°19.46'	16
17	73°24.53'	N 20°34.42'	193°21.92'	17
18	88°24.50'	N 20°33.94'	208°24.39'	18
19	103°24.47'	N 20°33.47'	223°26.85'	19
20	118°24.43'	N 20°32.99'	238°29.32'	20
21	133°24.40'	N 20°32.52'	253°31.78'	21
22	148°24.37'	N 20°32.04'	268°34.24'	22
23	163°24.34'	N 20°31.57'	283°36.71'	23
24	178°24.30'	N 20°31.09'	298°39.17'	24
½Ø 15.7456'		p.h. (π) 0.1500'		
EoT at 12 UT -6m21s				

**21 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	178°24.30'	N 20°31.09'	298°39.17'	00
01	193°24.27'	N 20°30.61'	313°41.64'	01
02	208°24.24'	N 20°30.13'	328°44.10'	02
03	223°24.21'	N 20°29.65'	343°46.56'	03
04	238°24.18'	N 20°29.17'	358°49.03'	04
05	253°24.15'	N 20°28.69'	13°51.49'	05
06	268°24.11'	N 20°28.21'	28°53.96'	06
07	283°24.08'	N 20°27.73'	43°56.42'	07
08	298°24.05'	N 20°27.25'	58°58.89'	08
09	313°24.02'	N 20°26.76'	74°01.35'	09
10	328°23.99'	N 20°26.28'	89°03.81'	10
11	343°23.96'	N 20°25.80'	104°06.28'	11
12	358°23.94'	N 20°25.31'	119°08.74'	12
13	13°23.91'	N 20°24.83'	134°11.21'	13
14	28°23.88'	N 20°24.34'	149°13.67'	14
15	43°23.85'	N 20°23.85'	164°16.13'	15
16	58°23.82'	N 20°23.37'	179°18.60'	16
17	73°23.79'	N 20°22.88'	194°21.06'	17
18	88°23.76'	N 20°22.39'	209°23.53'	18
19	103°23.74'	N 20°21.90'	224°25.99'	19
20	118°23.71'	N 20°21.41'	239°28.45'	20
21	133°23.68'	N 20°20.92'	254°30.92'	21
22	148°23.66'	N 20°20.43'	269°33.38'	22
23	163°23.63'	N 20°19.94'	284°35.85'	23
24	178°23.60'	N 20°19.45'	299°38.31'	24
½Ø 15.7468' p.h. (π) 0.1500'				
EoT at 12 UT -6m24s				

**23 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	178°23.04'	N 20°07.47'	300°37.45'	00
01	193°23.02'	N 20°06.96'	315°39.91'	01
02	208°23.00'	N 20°06.45'	330°42.38'	02
03	223°22.98'	N 20°05.95'	345°44.84'	03
04	238°22.97'	N 20°05.44'	0°47.31'	04
05	253°22.95'	N 20°04.93'	15°49.77'	05
06	268°22.93'	N 20°04.42'	30°52.23'	06
07	283°22.91'	N 20°03.91'	45°54.70'	07
08	298°22.89'	N 20°03.40'	60°57.16'	08
09	313°22.87'	N 20°02.89'	75°59.63'	09
10	328°22.85'	N 20°02.38'	91°02.09'	10
11	343°22.84'	N 20°01.86'	106°04.56'	11
12	358°22.82'	N 20°01.35'	121°07.02'	12
13	13°22.80'	N 20°00.84'	136°09.48'	13
14	28°22.79'	N 20°00.32'	151°11.95'	14
15	43°22.77'	N 19°59.81'	166°14.41'	15
16	58°22.75'	N 19°59.29'	181°16.88'	16
17	73°22.74'	N 19°58.78'	196°19.34'	17
18	88°22.72'	N 19°58.26'	211°21.80'	18
19	103°22.70'	N 19°57.75'	226°24.27'	19
20	118°22.69'	N 19°57.23'	241°26.73'	20
21	133°22.67'	N 19°56.71'	256°29.20'	21
22	148°22.66'	N 19°56.19'	271°31.66'	22
23	163°22.65'	N 19°55.67'	286°34.12'	23
24	178°22.63'	N 19°55.15'	301°36.59'	24
½Ø 15.7493' p.h. (π) 0.1500'				
EoT at 12 UT -6m29s				

**22 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	178°23.60'	N 20°19.45'	299°38.31'	00
01	193°23.58'	N 20°18.96'	314°40.78'	01
02	208°23.55'	N 20°18.46'	329°43.24'	02
03	223°23.52'	N 20°17.97'	344°45.70'	03
04	238°23.50'	N 20°17.48'	359°48.17'	04
05	253°23.47'	N 20°16.98'	14°50.63'	05
06	268°23.45'	N 20°16.48'	29°53.10'	06
07	283°23.42'	N 20°15.99'	44°55.56'	07
08	298°23.40'	N 20°15.49'	59°58.02'	08
09	313°23.38'	N 20°15.00'	75°00.49'	09
10	328°23.35'	N 20°14.50'	90°02.95'	10
11	343°23.33'	N 20°14.00'	105°05.42'	11
12	358°23.31'	N 20°13.50'	120°07.88'	12
13	13°23.28'	N 20°13.00'	135°10.34'	13
14	28°23.26'	N 20°12.50'	150°12.81'	14
15	43°23.24'	N 20°12.00'	165°15.27'	15
16	58°23.21'	N 20°11.50'	180°17.74'	16
17	73°23.19'	N 20°11.00'	195°20.20'	17
18	88°23.17'	N 20°10.49'	210°22.67'	18
19	103°23.15'	N 20°09.99'	225°25.13'	19
20	118°23.13'	N 20°09.49'	240°27.59'	20
21	133°23.11'	N 20°08.98'	255°30.06'	21
22	148°23.09'	N 20°08.48'	270°32.52'	22
23	163°23.06'	N 20°07.97'	285°34.99'	23
24	178°23.04'	N 20°07.47'	300°37.45'	24
½Ø 15.7480' p.h. (π) 0.1500'				
EoT at 12 UT -6m27s				

**24 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	178°22.63'	N 19°55.15'	301°36.59'	00
01	193°22.62'	N 19°54.63'	316°39.05'	01
02	208°22.60'	N 19°54.11'	331°41.52'	02
03	223°22.59'	N 19°53.59'	346°43.98'	03
04	238°22.58'	N 19°53.07'	1°46.45'	04
05	253°22.56'	N 19°52.54'	16°48.91'	05
06	268°22.55'	N 19°52.02'	31°51.37'	06
07	283°22.54'	N 19°51.50'	46°53.84'	07
08	298°22.53'	N 19°50.97'	61°56.30'	08
09	313°22.51'	N 19°50.45'	76°58.77'	09
10	328°22.50'	N 19°49.92'	92°01.23'	10
11	343°22.49'	N 19°49.40'	107°03.69'	11
12	358°22.48'	N 19°48.87'	122°06.16'	12
13	13°22.47'	N 19°48.34'	137°08.62'	13
14	28°22.46'	N 19°47.81'	152°11.09'	14
15	43°22.45'	N 19°47.29'	167°13.55'	15
16	58°22.44'	N 19°46.76'	182°16.01'	16
17	73°22.43'	N 19°46.23'	197°18.48'	17
18	88°22.42'	N 19°45.70'	212°20.94'	18
19	103°22.41'	N 19°45.17'	227°23.41'	19
20	118°22.40'	N 19°44.63'	242°25.87'	20
21	133°22.39'	N 19°44.10'	257°28.34'	21
22	148°22.38'	N 19°43.57'	272°30.80'	22
23	163°22.37'	N 19°43.04'	287°33.26'	23
24	178°22.36'	N 19°42.50'	302°35.73'	24
½Ø 15.7507' p.h. (π) 0.1500'				
EoT at 12 UT -6m30s				

**25 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°22.36'	N 19°42.50'	302°35.73'	00
01	193°22.36'	N 19°41.97'	317°38.19'	01
02	208°22.35'	N 19°41.43'	332°40.66'	02
03	223°22.34'	N 19°40.90'	347°43.12'	03
04	238°22.33'	N 19°40.36'	2°45.58'	04
05	253°22.33'	N 19°39.83'	17°48.05'	05
06	268°22.32'	N 19°39.29'	32°50.51'	06
07	283°22.31'	N 19°38.75'	47°52.98'	07
08	298°22.31'	N 19°38.21'	62°55.44'	08
09	313°22.30'	N 19°37.68'	77°57.90'	09
10	328°22.30'	N 19°37.14'	93°00.37'	10
11	343°22.29'	N 19°36.60'	108°02.83'	11
12	358°22.29'	N 19°36.06'	123°05.30'	12
13	13°22.28'	N 19°35.52'	138°07.76'	13
14	28°22.28'	N 19°34.97'	153°10.23'	14
15	43°22.27'	N 19°34.43'	168°12.69'	15
16	58°22.27'	N 19°33.89'	183°15.15'	16
17	73°22.26'	N 19°33.35'	198°17.62'	17
18	88°22.26'	N 19°32.80'	213°20.08'	18
19	103°22.26'	N 19°32.26'	228°22.55'	19
20	118°22.25'	N 19°31.71'	243°25.01'	20
21	133°22.25'	N 19°31.17'	258°27.47'	21
22	148°22.25'	N 19°30.62'	273°29.94'	22
23	163°22.25'	N 19°30.07'	288°32.40'	23
24	178°22.24'	N 19°29.53'	303°34.87'	24
½Ø 15.7521'		p.h. (π) 0.1500'		
EoT at 12 UT -6m31s				

**27 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°22.27'	N 19°16.23'	304°34.01'	00
01	193°22.28'	N 19°15.67'	319°36.47'	01
02	208°22.28'	N 19°15.11'	334°38.93'	02
03	223°22.29'	N 19°14.54'	349°41.40'	03
04	238°22.29'	N 19°13.98'	4°43.86'	04
05	253°22.30'	N 19°13.42'	19°46.33'	05
06	268°22.30'	N 19°12.85'	34°48.79'	06
07	283°22.31'	N 19°12.29'	49°51.25'	07
08	298°22.32'	N 19°11.73'	64°53.72'	08
09	313°22.32'	N 19°11.16'	79°56.18'	09
10	328°22.33'	N 19°10.59'	94°58.65'	10
11	343°22.34'	N 19°10.03'	110°01.11'	11
12	358°22.34'	N 19°09.46'	125°03.58'	12
13	13°22.35'	N 19°08.89'	140°06.04'	13
14	28°22.36'	N 19°08.32'	155°08.50'	14
15	43°22.37'	N 19°07.76'	170°10.97'	15
16	58°22.38'	N 19°07.19'	185°13.43'	16
17	73°22.38'	N 19°06.62'	200°15.90'	17
18	88°22.39'	N 19°06.05'	215°18.36'	18
19	103°22.40'	N 19°05.48'	230°20.82'	19
20	118°22.41'	N 19°04.90'	245°23.29'	20
21	133°22.42'	N 19°04.33'	260°25.75'	21
22	148°22.43'	N 19°03.76'	275°28.22'	22
23	163°22.44'	N 19°03.19'	290°30.68'	23
24	178°22.45'	N 19°02.61'	305°33.14'	24
½Ø 15.7552'		p.h. (π) 0.1500'		
EoT at 12 UT -6m31s				

**26 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°22.24'	N 19°29.53'	303°34.87'	00
01	193°22.24'	N 19°28.98'	318°37.33'	01
02	208°22.24'	N 19°28.43'	333°39.80'	02
03	223°22.24'	N 19°27.88'	348°42.26'	03
04	238°22.24'	N 19°27.33'	3°44.72'	04
05	253°22.24'	N 19°26.78'	18°47.19'	05
06	268°22.24'	N 19°26.23'	33°49.65'	06
07	283°22.24'	N 19°25.68'	48°52.12'	07
08	298°22.24'	N 19°25.13'	63°54.58'	08
09	313°22.24'	N 19°24.58'	78°57.04'	09
10	328°22.24'	N 19°24.03'	93°59.51'	10
11	343°22.24'	N 19°23.47'	109°01.97'	11
12	358°22.24'	N 19°22.92'	124°04.44'	12
13	13°22.24'	N 19°22.36'	139°06.90'	13
14	28°22.24'	N 19°21.81'	154°09.36'	14
15	43°22.24'	N 19°21.25'	169°11.83'	15
16	58°22.25'	N 19°20.70'	184°14.29'	16
17	73°22.25'	N 19°20.14'	199°16.76'	17
18	88°22.25'	N 19°19.58'	214°19.22'	18
19	103°22.25'	N 19°19.03'	229°21.69'	19
20	118°22.26'	N 19°18.47'	244°24.15'	20
21	133°22.26'	N 19°17.91'	259°26.61'	21
22	148°22.26'	N 19°17.35'	274°29.08'	22
23	163°22.27'	N 19°16.79'	289°31.54'	23
24	178°22.27'	N 19°16.23'	304°34.01'	24
½Ø 15.7536'		p.h. (π) 0.1500'		
EoT at 12 UT -6m31s				

**28 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°22.45'	N 19°02.61'	305°33.14'	00
01	193°22.46'	N 19°02.04'	320°35.61'	01
02	208°22.47'	N 19°01.46'	335°38.07'	02
03	223°22.48'	N 19°00.89'	350°40.54'	03
04	238°22.50'	N 19°00.31'	5°43.00'	04
05	253°22.51'	N 18°59.74'	20°45.47'	05
06	268°22.52'	N 18°59.16'	35°47.93'	06
07	283°22.53'	N 18°58.58'	50°50.39'	07
08	298°22.54'	N 18°58.00'	65°52.86'	08
09	313°22.56'	N 18°57.42'	80°55.32'	09
10	328°22.57'	N 18°56.85'	95°57.79'	10
11	343°22.58'	N 18°56.27'	111°00.25'	11
12	358°22.60'	N 18°55.69'	126°02.71'	12
13	13°22.61'	N 18°55.10'	141°05.18'	13
14	28°22.63'	N 18°54.52'	156°07.64'	14
15	43°22.64'	N 18°53.94'	171°10.11'	15
16	58°22.65'	N 18°53.36'	186°12.57'	16
17	73°22.67'	N 18°52.78'	201°15.03'	17
18	88°22.68'	N 18°52.19'	216°17.50'	18
19	103°22.70'	N 18°51.61'	231°19.96'	19
20	118°22.72'	N 18°51.02'	246°22.43'	20
21	133°22.73'	N 18°50.44'	261°24.89'	21
22	148°22.75'	N 18°49.85'	276°27.36'	22
23	163°22.76'	N 18°49.27'	291°29.82'	23
24	178°22.78'	N 18°48.68'	306°32.28'	24
½Ø 15.7568'		p.h. (π) 0.1500'		
EoT at 12 UT -6m30s				

**29 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°22.78'	N 18°48.68'	306°32.28'	00
01	193°22.80'	N 18°48.09'	321°34.75'	01
02	208°22.82'	N 18°47.51'	336°37.21'	02
03	223°22.83'	N 18°46.92'	351°39.68'	03
04	238°22.85'	N 18°46.33'	6°42.14'	04
05	253°22.87'	N 18°45.74'	21°44.60'	05
06	268°22.89'	N 18°45.15'	36°47.07'	06
07	283°22.91'	N 18°44.56'	51°49.53'	07
08	298°22.92'	N 18°43.97'	66°52.00'	08
09	313°22.94'	N 18°43.38'	81°54.46'	09
10	328°22.96'	N 18°42.78'	96°56.92'	10
11	343°22.98'	N 18°42.19'	111°59.39'	11
12	358°23.00'	N 18°41.60'	127°01.85'	12
13	13°23.02'	N 18°41.01'	142°04.32'	13
14	28°23.04'	N 18°40.41'	157°06.78'	14
15	43°23.06'	N 18°39.82'	172°09.25'	15
16	58°23.08'	N 18°39.22'	187°11.71'	16
17	73°23.11'	N 18°38.63'	202°14.17'	17
18	88°23.13'	N 18°38.03'	217°16.64'	18
19	103°23.15'	N 18°37.43'	232°19.10'	19
20	118°23.17'	N 18°36.84'	247°21.57'	20
21	133°23.19'	N 18°36.24'	262°24.03'	21
22	148°23.22'	N 18°35.64'	277°26.49'	22
23	163°23.24'	N 18°35.04'	292°28.96'	23
24	178°23.26'	N 18°34.44'	307°31.42'	24
½Ø 15.7586'		p.h. (π) 0.1500'		
EoT at 12 UT - 6m28s				

**31 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°23.89'	N 18°19.90'	308°30.56'	00
01	193°23.92'	N 18°19.28'	323°33.03'	01
02	208°23.95'	N 18°18.67'	338°35.49'	02
03	223°23.98'	N 18°18.06'	353°37.95'	03
04	238°24.01'	N 18°17.44'	8°40.42'	04
05	253°24.04'	N 18°16.83'	23°42.88'	05
06	268°24.08'	N 18°16.21'	38°45.35'	06
07	283°24.11'	N 18°15.60'	53°47.81'	07
08	298°24.14'	N 18°14.98'	68°50.27'	08
09	313°24.17'	N 18°14.36'	83°52.74'	09
10	328°24.20'	N 18°13.75'	98°55.20'	10
11	343°24.23'	N 18°13.13'	113°57.67'	11
12	358°24.27'	N 18°12.51'	129°00.13'	12
13	13°24.30'	N 18°11.89'	144°02.59'	13
14	28°24.33'	N 18°11.27'	159°05.06'	14
15	43°24.37'	N 18°10.65'	174°07.52'	15
16	58°24.40'	N 18°10.03'	189°09.99'	16
17	73°24.43'	N 18°09.41'	204°12.45'	17
18	88°24.47'	N 18°08.79'	219°14.92'	18
19	103°24.50'	N 18°08.17'	234°17.38'	19
20	118°24.54'	N 18°07.55'	249°19.84'	20
21	133°24.57'	N 18°06.92'	264°22.31'	21
22	148°24.61'	N 18°06.30'	279°24.77'	22
23	163°24.64'	N 18°05.67'	294°27.24'	23
24	178°24.68'	N 18°05.05'	309°29.70'	24
½Ø 15.7622'		p.h. (π) 0.1500'		
EoT at 12 UT -6m23s				

**30 juillet 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°23.26'	N 18°34.44'	307°31.42'	00
01	193°23.29'	N 18°33.84'	322°33.89'	01
02	208°23.31'	N 18°33.24'	337°36.35'	02
03	223°23.33'	N 18°32.64'	352°38.81'	03
04	238°23.36'	N 18°32.04'	7°41.28'	04
05	253°23.38'	N 18°31.44'	22°43.74'	05
06	268°23.41'	N 18°30.83'	37°46.21'	06
07	283°23.43'	N 18°30.23'	52°48.67'	07
08	298°23.46'	N 18°29.63'	67°51.14'	08
09	313°23.48'	N 18°29.02'	82°53.60'	09
10	328°23.51'	N 18°28.42'	97°56.06'	10
11	343°23.53'	N 18°27.81'	112°58.53'	11
12	358°23.56'	N 18°27.21'	128°00.99'	12
13	13°23.59'	N 18°26.60'	143°03.46'	13
14	28°23.61'	N 18°25.99'	158°05.92'	14
15	43°23.64'	N 18°25.39'	173°08.38'	15
16	58°23.67'	N 18°24.78'	188°10.85'	16
17	73°23.69'	N 18°24.17'	203°13.31'	17
18	88°23.72'	N 18°23.56'	218°15.78'	18
19	103°23.75'	N 18°22.95'	233°18.24'	19
20	118°23.78'	N 18°22.34'	248°20.70'	20
21	133°23.81'	N 18°21.73'	263°23.17'	21
22	148°23.84'	N 18°21.12'	278°25.63'	22
23	163°23.86'	N 18°20.51'	293°28.10'	23
24	178°23.89'	N 18°19.90'	308°30.56'	24
½Ø 15.7603'		p.h. (π) 0.1500'		
EoT at 12 UT -6m26s				



**1er août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°24.68'	N 18°05.05'	309°29.70'	00
01	193°24.71'	N 18°04.43'	324°32.16'	01
02	208°24.75'	N 18°03.80'	339°34.63'	02
03	223°24.79'	N 18°03.17'	354°37.09'	03
04	238°24.82'	N 18°02.55'	9°39.56'	04
05	253°24.86'	N 18°01.92'	24°42.02'	05
06	268°24.90'	N 18°01.29'	39°44.48'	06
07	283°24.94'	N 18°00.66'	54°46.95'	07
08	298°24.97'	N 18°00.04'	69°49.41'	08
09	313°25.01'	N 17°59.41'	84°51.88'	09
10	328°25.05'	N 17°58.78'	99°54.34'	10
11	343°25.09'	N 17°58.15'	114°56.81'	11
12	358°25.13'	N 17°57.52'	129°59.27'	12
13	13°25.17'	N 17°56.89'	145°01.73'	13
14	28°25.21'	N 17°56.25'	160°04.20'	14
15	43°25.24'	N 17°55.62'	175°06.66'	15
16	58°25.28'	N 17°54.99'	190°09.13'	16
17	73°25.32'	N 17°54.36'	205°11.59'	17
18	88°25.37'	N 17°53.72'	220°14.05'	18
19	103°25.41'	N 17°53.09'	235°16.52'	19
20	118°25.45'	N 17°52.45'	250°18.98'	20
21	133°25.49'	N 17°51.82'	265°21.45'	21
22	148°25.53'	N 17°51.18'	280°23.91'	22
23	163°25.57'	N 17°50.55'	295°26.37'	23
24	178°25.61'	N 17°49.91'	310°28.84'	24
½Ø 15.7641'		p.h. (π) 0.1500'		
EoT at 12 UT -6m19s				

**3 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°26.70'	N 17°34.48'	311°27.98'	00
01	193°26.75'	N 17°33.83'	326°30.44'	01
02	208°26.80'	N 17°33.18'	341°32.91'	02
03	223°26.85'	N 17°32.53'	356°35.37'	03
04	238°26.90'	N 17°31.88'	11°37.83'	04
05	253°26.95'	N 17°31.23'	26°40.30'	05
06	268°27.00'	N 17°30.58'	41°42.76'	06
07	283°27.05'	N 17°29.93'	56°45.23'	07
08	298°27.10'	N 17°29.27'	71°47.69'	08
09	313°27.15'	N 17°28.62'	86°50.15'	09
10	328°27.20'	N 17°27.97'	101°52.62'	10
11	343°27.25'	N 17°27.31'	116°55.08'	11
12	358°27.30'	N 17°26.66'	131°57.55'	12
13	13°27.35'	N 17°26.00'	147°00.01'	13
14	28°27.41'	N 17°25.35'	162°02.48'	14
15	43°27.46'	N 17°24.69'	177°04.94'	15
16	58°27.51'	N 17°24.03'	192°07.40'	16
17	73°27.56'	N 17°23.38'	207°09.87'	17
18	88°27.62'	N 17°22.72'	222°12.33'	18
19	103°27.67'	N 17°22.06'	237°14.80'	19
20	118°27.72'	N 17°21.40'	252°17.26'	20
21	133°27.78'	N 17°20.74'	267°19.72'	21
22	148°27.83'	N 17°20.08'	282°22.19'	22
23	163°27.88'	N 17°19.42'	297°24.65'	23
24	178°27.94'	N 17°18.76'	312°27.12'	24
½Ø 15.7682'		p.h. (π) 0.1500'		
EoT at 12 UT -6m11s				

**2 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°25.61'	N 17°49.91'	310°28.84'	00
01	193°25.66'	N 17°49.27'	325°31.30'	01
02	208°25.70'	N 17°48.64'	340°33.77'	02
03	223°25.74'	N 17°48.00'	355°36.23'	03
04	238°25.78'	N 17°47.36'	10°38.70'	04
05	253°25.83'	N 17°46.72'	25°41.16'	05
06	268°25.87'	N 17°46.08'	40°43.62'	06
07	283°25.92'	N 17°45.44'	55°46.09'	07
08	298°25.96'	N 17°44.80'	70°48.55'	08
09	313°26.00'	N 17°44.16'	85°51.02'	09
10	328°26.05'	N 17°43.52'	100°53.48'	10
11	343°26.09'	N 17°42.87'	115°55.94'	11
12	358°26.14'	N 17°42.23'	130°58.41'	12
13	13°26.18'	N 17°41.59'	146°00.87'	13
14	28°26.23'	N 17°40.94'	161°03.34'	14
15	43°26.28'	N 17°40.30'	176°05.80'	15
16	58°26.32'	N 17°39.66'	191°08.26'	16
17	73°26.37'	N 17°39.01'	206°10.73'	17
18	88°26.41'	N 17°38.36'	221°13.19'	18
19	103°26.46'	N 17°37.72'	236°15.66'	19
20	118°26.51'	N 17°37.07'	251°18.12'	20
21	133°26.56'	N 17°36.42'	266°20.59'	21
22	148°26.60'	N 17°35.78'	281°23.05'	22
23	163°26.65'	N 17°35.13'	296°25.51'	23
24	178°26.70'	N 17°34.48'	311°27.98'	24
½Ø 15.7661'		p.h. (π) 0.1500'		
EoT at 12 UT -6m15s				

**4 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°27.94'	N 17°18.76'	312°27.12'	00
01	193°27.99'	N 17°18.10'	327°29.58'	01
02	208°28.05'	N 17°17.44'	342°32.04'	02
03	223°28.10'	N 17°16.78'	357°34.51'	03
04	238°28.16'	N 17°16.12'	12°36.97'	04
05	253°28.22'	N 17°15.45'	27°39.44'	05
06	268°28.27'	N 17°14.79'	42°41.90'	06
07	283°28.33'	N 17°14.13'	57°44.37'	07
08	298°28.39'	N 17°13.46'	72°46.83'	08
09	313°28.44'	N 17°12.80'	87°49.29'	09
10	328°28.50'	N 17°12.13'	102°51.76'	10
11	343°28.56'	N 17°11.47'	117°54.22'	11
12	358°28.62'	N 17°10.80'	132°56.69'	12
13	13°28.67'	N 17°10.13'	147°59.15'	13
14	28°28.73'	N 17°09.47'	163°01.61'	14
15	43°28.79'	N 17°08.80'	178°04.08'	15
16	58°28.85'	N 17°08.13'	193°06.54'	16
17	73°28.91'	N 17°07.46'	208°09.01'	17
18	88°28.97'	N 17°06.79'	223°11.47'	18
19	103°29.03'	N 17°06.12'	238°13.93'	19
20	118°29.09'	N 17°05.45'	253°16.40'	20
21	133°29.15'	N 17°04.78'	268°18.86'	21
22	148°29.21'	N 17°04.11'	283°21.33'	22
23	163°29.27'	N 17°03.44'	298°23.79'	23
24	178°29.33'	N 17°02.77'	313°26.26'	24
½Ø 15.7703'		p.h. (π) 0.1500'		
EoT at 12 UT - 6m6s				

**5 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°29.33'	N 17°02.77'	313°26.26'	00
01	193°29.39'	N 17°02.09'	328°28.72'	01
02	208°29.45'	N 17°01.42'	343°31.18'	02
03	223°29.51'	N 17°00.75'	358°33.65'	03
04	238°29.58'	N 17°00.07'	13°36.11'	04
05	253°29.64'	N 16°59.40'	28°38.58'	05
06	268°29.70'	N 16°58.72'	43°41.04'	06
07	283°29.76'	N 16°58.05'	58°43.50'	07
08	298°29.83'	N 16°57.37'	73°45.97'	08
09	313°29.89'	N 16°56.70'	88°48.43'	09
10	328°29.95'	N 16°56.02'	103°50.90'	10
11	343°30.02'	N 16°55.34'	118°53.36'	11
12	358°30.08'	N 16°54.66'	133°55.82'	12
13	13°30.14'	N 16°53.99'	148°58.29'	13
14	28°30.21'	N 16°53.31'	164°00.75'	14
15	43°30.27'	N 16°52.63'	179°03.22'	15
16	58°30.34'	N 16°51.95'	194°05.68'	16
17	73°30.40'	N 16°51.27'	209°08.15'	17
18	88°30.47'	N 16°50.59'	224°10.61'	18
19	103°30.54'	N 16°49.91'	239°13.07'	19
20	118°30.60'	N 16°49.23'	254°15.54'	20
21	133°30.67'	N 16°48.54'	269°18.00'	21
22	148°30.73'	N 16°47.86'	284°20.47'	22
23	163°30.80'	N 16°47.18'	299°22.93'	23
24	178°30.87'	N 16°46.49'	314°25.39'	24
½Ø 15.7725'		p.h. (π) 0.1500'		
EoT at 12 UT -5m60s				

**7 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°32.56'	N 16°29.95'	315°24.53'	00
01	193°32.63'	N 16°29.26'	330°27.00'	01
02	208°32.70'	N 16°28.56'	345°29.46'	02
03	223°32.78'	N 16°27.86'	0°31.93'	03
04	238°32.85'	N 16°27.17'	15°34.39'	04
05	253°32.93'	N 16°26.47'	30°36.85'	05
06	268°33.00'	N 16°25.77'	45°39.32'	06
07	283°33.08'	N 16°25.08'	60°41.78'	07
08	298°33.15'	N 16°24.38'	75°44.25'	08
09	313°33.23'	N 16°23.68'	90°46.71'	09
10	328°33.30'	N 16°22.98'	105°49.17'	10
11	343°33.38'	N 16°22.28'	120°51.64'	11
12	358°33.46'	N 16°21.58'	135°54.10'	12
13	13°33.53'	N 16°20.88'	150°56.57'	13
14	28°33.61'	N 16°20.18'	165°59.03'	14
15	43°33.69'	N 16°19.48'	181°01.49'	15
16	58°33.76'	N 16°18.78'	196°03.96'	16
17	73°33.84'	N 16°18.07'	211°06.42'	17
18	88°33.92'	N 16°17.37'	226°08.89'	18
19	103°34.00'	N 16°16.67'	241°11.35'	19
20	118°34.08'	N 16°15.96'	256°13.82'	20
21	133°34.16'	N 16°15.26'	271°16.28'	21
22	148°34.23'	N 16°14.55'	286°18.74'	22
23	163°34.31'	N 16°13.85'	301°21.21'	23
24	178°34.39'	N 16°13.14'	316°23.67'	24
½Ø 15.7771'		p.h. (π) 0.1500'		
EoT at 12 UT -5m46s				

**6 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°30.87'	N 16°46.49'	314°25.39'	00
01	193°30.94'	N 16°45.81'	329°27.86'	01
02	208°31.00'	N 16°45.13'	344°30.32'	02
03	223°31.07'	N 16°44.44'	359°32.79'	03
04	238°31.14'	N 16°43.76'	14°35.25'	04
05	253°31.21'	N 16°43.07'	29°37.71'	05
06	268°31.28'	N 16°42.38'	44°40.18'	06
07	283°31.35'	N 16°41.70'	59°42.64'	07
08	298°31.41'	N 16°41.01'	74°45.11'	08
09	313°31.48'	N 16°40.32'	89°47.57'	09
10	328°31.55'	N 16°39.63'	104°50.04'	10
11	343°31.62'	N 16°38.95'	119°52.50'	11
12	358°31.69'	N 16°38.26'	134°54.96'	12
13	13°31.76'	N 16°37.57'	149°57.43'	13
14	28°31.84'	N 16°36.88'	164°59.89'	14
15	43°31.91'	N 16°36.19'	180°02.36'	15
16	58°31.98'	N 16°35.50'	195°04.82'	16
17	73°32.05'	N 16°34.80'	210°07.28'	17
18	88°32.12'	N 16°34.11'	225°09.75'	18
19	103°32.19'	N 16°33.42'	240°12.21'	19
20	118°32.26'	N 16°32.73'	255°14.68'	20
21	133°32.34'	N 16°32.03'	270°17.14'	21
22	148°32.41'	N 16°31.34'	285°19.60'	22
23	163°32.48'	N 16°30.65'	300°22.07'	23
24	178°32.56'	N 16°29.95'	315°24.53'	24
½Ø 15.7747'		p.h. (π) 0.1500'		
EoT at 12 UT -5m53s				

**8 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°34.39'	N 16°13.14'	316°23.67'	00
01	193°34.47'	N 16°12.44'	331°26.14'	01
02	208°34.55'	N 16°11.73'	346°28.60'	02
03	223°34.63'	N 16°11.02'	1°31.06'	03
04	238°34.71'	N 16°10.32'	16°33.53'	04
05	253°34.79'	N 16°09.61'	31°35.99'	05
06	268°34.88'	N 16°08.90'	46°38.46'	06
07	283°34.96'	N 16°08.19'	61°40.92'	07
08	298°35.04'	N 16°07.48'	76°43.38'	08
09	313°35.12'	N 16°06.77'	91°45.85'	09
10	328°35.20'	N 16°06.06'	106°48.31'	10
11	343°35.28'	N 16°05.35'	121°50.78'	11
12	358°35.37'	N 16°04.64'	136°53.24'	12
13	13°35.45'	N 16°03.93'	151°55.71'	13
14	28°35.53'	N 16°03.22'	166°58.17'	14
15	43°35.62'	N 16°02.50'	182°00.63'	15
16	58°35.70'	N 16°01.79'	197°03.10'	16
17	73°35.78'	N 16°01.08'	212°05.56'	17
18	88°35.87'	N 16°00.37'	227°08.03'	18
19	103°35.95'	N 15°59.65'	242°10.49'	19
20	118°36.04'	N 15°58.94'	257°12.95'	20
21	133°36.12'	N 15°58.22'	272°15.42'	21
22	148°36.21'	N 15°57.51'	287°17.88'	22
23	163°36.29'	N 15°56.79'	302°20.35'	23
24	178°36.38'	N 15°56.07'	317°22.81'	24
½Ø 15.7795'		p.h. (π) 0.1500'		
EoT at 12 UT -5m39s				

**9 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°36.38'	N 15°56.07'	317°22.81'	00
01	193°36.46'	N 15°55.36'	332°25.27'	01
02	208°36.55'	N 15°54.64'	347°27.74'	02
03	223°36.63'	N 15°53.92'	2°30.20'	03
04	238°36.72'	N 15°53.20'	17°32.67'	04
05	253°36.81'	N 15°52.49'	32°35.13'	05
06	268°36.89'	N 15°51.77'	47°37.60'	06
07	283°36.98'	N 15°51.05'	62°40.06'	07
08	298°37.07'	N 15°50.33'	77°42.52'	08
09	313°37.16'	N 15°49.61'	92°44.99'	09
10	328°37.25'	N 15°48.89'	107°47.45'	10
11	343°37.33'	N 15°48.16'	122°49.92'	11
12	358°37.42'	N 15°47.44'	137°52.38'	12
13	13°37.51'	N 15°46.72'	152°54.84'	13
14	28°37.60'	N 15°46.00'	167°57.31'	14
15	43°37.69'	N 15°45.28'	182°59.77'	15
16	58°37.78'	N 15°44.55'	198°02.24'	16
17	73°37.87'	N 15°43.83'	213°04.70'	17
18	88°37.96'	N 15°43.10'	228°07.16'	18
19	103°38.05'	N 15°42.38'	243°09.63'	19
20	118°38.14'	N 15°41.65'	258°12.09'	20
21	133°38.23'	N 15°40.93'	273°14.56'	21
22	148°38.32'	N 15°40.20'	288°17.02'	22
23	163°38.41'	N 15°39.48'	303°19.49'	23
24	178°38.50'	N 15°38.75'	318°21.95'	24
½Ø 15.7819'		p.h. (π) 0.1500'		
EoT at 12 UT -5m30s				

**11 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°40.78'	N 15°21.17'	319°21.09'	00
01	193°40.88'	N 15°20.44'	334°23.55'	01
02	208°40.97'	N 15°19.70'	349°26.02'	02
03	223°41.07'	N 15°18.96'	4°28.48'	03
04	238°41.17'	N 15°18.22'	19°30.94'	04
05	253°41.27'	N 15°17.48'	34°33.41'	05
06	268°41.37'	N 15°16.74'	49°35.87'	06
07	283°41.47'	N 15°16.00'	64°38.34'	07
08	298°41.57'	N 15°15.26'	79°40.80'	08
09	313°41.67'	N 15°14.52'	94°43.27'	09
10	328°41.77'	N 15°13.78'	109°45.73'	10
11	343°41.87'	N 15°13.04'	124°48.19'	11
12	358°41.97'	N 15°12.29'	139°50.66'	12
13	13°42.07'	N 15°11.55'	154°53.12'	13
14	28°42.17'	N 15°10.81'	169°55.59'	14
15	43°42.27'	N 15°10.06'	184°58.05'	15
16	58°42.37'	N 15°09.32'	200°00.51'	16
17	73°42.47'	N 15°08.58'	215°02.98'	17
18	88°42.57'	N 15°07.83'	230°05.44'	18
19	103°42.68'	N 15°07.09'	245°07.91'	19
20	118°42.78'	N 15°06.34'	260°10.37'	20
21	133°42.88'	N 15°05.59'	275°12.83'	21
22	148°42.99'	N 15°04.85'	290°15.30'	22
23	163°43.09'	N 15°04.10'	305°17.76'	23
24	178°43.19'	N 15°03.35'	320°20.23'	24
½Ø 15.7870'		p.h. (π) 0.1500'		
EoT at 12 UT -5m12s				

**10 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°38.50'	N 15°38.75'	318°21.95'	00
01	193°38.60'	N 15°38.02'	333°24.41'	01
02	208°38.69'	N 15°37.29'	348°26.88'	02
03	223°38.78'	N 15°36.57'	3°29.34'	03
04	238°38.87'	N 15°35.84'	18°31.81'	04
05	253°38.97'	N 15°35.11'	33°34.27'	05
06	268°39.06'	N 15°34.38'	48°36.73'	06
07	283°39.15'	N 15°33.65'	63°39.20'	07
08	298°39.25'	N 15°32.92'	78°41.66'	08
09	313°39.34'	N 15°32.19'	93°44.13'	09
10	328°39.43'	N 15°31.46'	108°46.59'	10
11	343°39.53'	N 15°30.72'	123°49.05'	11
12	358°39.62'	N 15°29.99'	138°51.52'	12
13	13°39.72'	N 15°29.26'	153°53.98'	13
14	28°39.81'	N 15°28.53'	168°56.45'	14
15	43°39.91'	N 15°27.79'	183°58.91'	15
16	58°40.00'	N 15°27.06'	199°01.38'	16
17	73°40.10'	N 15°26.33'	214°03.84'	17
18	88°40.20'	N 15°25.59'	229°06.30'	18
19	103°40.29'	N 15°24.86'	244°08.77'	19
20	118°40.39'	N 15°24.12'	259°11.23'	20
21	133°40.49'	N 15°23.38'	274°13.70'	21
22	148°40.58'	N 15°22.65'	289°16.16'	22
23	163°40.68'	N 15°21.91'	304°18.62'	23
24	178°40.78'	N 15°21.17'	319°21.09'	24
½Ø 15.7844'		p.h. (π) 0.1500'		
EoT at 12 UT -5m22s				

**12 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°43.19'	N 15°03.35'	320°20.23'	00
01	193°43.30'	N 15°02.61'	335°22.69'	01
02	208°43.40'	N 15°01.86'	350°25.16'	02
03	223°43.50'	N 15°01.11'	5°27.62'	03
04	238°43.61'	N 15°00.36'	20°30.08'	04
05	253°43.71'	N 14°59.61'	35°32.55'	05
06	268°43.82'	N 14°58.86'	50°35.01'	06
07	283°43.92'	N 14°58.11'	65°37.48'	07
08	298°44.03'	N 14°57.36'	80°39.94'	08
09	313°44.13'	N 14°56.61'	95°42.40'	09
10	328°44.24'	N 14°55.86'	110°44.87'	10
11	343°44.35'	N 14°55.10'	125°47.33'	11
12	358°44.45'	N 14°54.35'	140°49.80'	12
13	13°44.56'	N 14°53.60'	155°52.26'	13
14	28°44.66'	N 14°52.85'	170°54.72'	14
15	43°44.77'	N 14°52.09'	185°57.19'	15
16	58°44.88'	N 14°51.34'	200°59.65'	16
17	73°44.99'	N 14°50.58'	216°02.12'	17
18	88°45.09'	N 14°49.83'	231°04.58'	18
19	103°45.20'	N 14°49.07'	246°07.05'	19
20	118°45.31'	N 14°48.32'	261°09.51'	20
21	133°45.42'	N 14°47.56'	276°11.97'	21
22	148°45.53'	N 14°46.81'	291°14.44'	22
23	163°45.64'	N 14°46.05'	306°16.90'	23
24	178°45.75'	N 14°45.29'	321°19.37'	24
½Ø 15.7896'		p.h. (π) 0.1500'		
EoT at 12 UT -5m2s				

**13 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°45.75'	N 14°45.29'	321°19.37'	00
01	193°45.86'	N 14°44.53'	336°21.83'	01
02	208°45.97'	N 14°43.78'	351°24.29'	02
03	223°46.08'	N 14°43.02'	6°26.76'	03
04	238°46.19'	N 14°42.26'	21°29.22'	04
05	253°46.30'	N 14°41.50'	36°31.69'	05
06	268°46.41'	N 14°40.74'	51°34.15'	06
07	283°46.52'	N 14°39.98'	66°36.61'	07
08	298°46.63'	N 14°39.22'	81°39.08'	08
09	313°46.74'	N 14°38.46'	96°41.54'	09
10	328°46.85'	N 14°37.70'	111°44.01'	10
11	343°46.96'	N 14°36.94'	126°46.47'	11
12	358°47.08'	N 14°36.17'	141°48.94'	12
13	13°47.19'	N 14°35.41'	156°51.40'	13
14	28°47.30'	N 14°34.65'	171°53.86'	14
15	43°47.41'	N 14°33.88'	186°56.33'	15
16	58°47.53'	N 14°33.12'	201°58.79'	16
17	73°47.64'	N 14°32.36'	217°01.26'	17
18	88°47.75'	N 14°31.59'	232°03.72'	18
19	103°47.87'	N 14°30.83'	247°06.18'	19
20	118°47.98'	N 14°30.06'	262°08.65'	20
21	133°48.09'	N 14°29.30'	277°11.11'	21
22	148°48.21'	N 14°28.53'	292°13.58'	22
23	163°48.32'	N 14°27.76'	307°16.04'	23
24	178°48.44'	N 14°27.00'	322°18.50'	24
½Ø 15.7923'		p.h. (π) 0.1500'		
EoT at 12 UT -4m52s				

**15 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°51.27'	N 14°08.47'	323°17.64'	00
01	193°51.39'	N 14°07.69'	338°20.11'	01
02	208°51.51'	N 14°06.92'	353°22.57'	02
03	223°51.63'	N 14°06.14'	8°25.04'	03
04	238°51.75'	N 14°05.36'	23°27.50'	04
05	253°51.87'	N 14°04.58'	38°29.96'	05
06	268°52.00'	N 14°03.80'	53°32.43'	06
07	283°52.12'	N 14°03.03'	68°34.89'	07
08	298°52.24'	N 14°02.25'	83°37.36'	08
09	313°52.36'	N 14°01.47'	98°39.82'	09
10	328°52.49'	N 14°00.69'	113°42.28'	10
11	343°52.61'	N 13°59.90'	128°44.75'	11
12	358°52.73'	N 13°59.12'	143°47.21'	12
13	13°52.86'	N 13°58.34'	158°49.68'	13
14	28°52.98'	N 13°57.56'	173°52.14'	14
15	43°53.10'	N 13°56.78'	188°54.61'	15
16	58°53.23'	N 13°56.00'	203°57.07'	16
17	73°53.35'	N 13°55.21'	218°59.53'	17
18	88°53.48'	N 13°54.43'	234°02.00'	18
19	103°53.60'	N 13°53.65'	249°04.46'	19
20	118°53.73'	N 13°52.86'	264°06.93'	20
21	133°53.85'	N 13°52.08'	279°09.39'	21
22	148°53.98'	N 13°51.29'	294°11.85'	22
23	163°54.10'	N 13°50.51'	309°14.32'	23
24	178°54.23'	N 13°49.72'	324°16.78'	24
½Ø 15.7979'		p.h. (π) 0.1500'		
EoT at 12 UT -4m29s				

**14 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°48.44'	N 14°27.00'	322°18.50'	00
01	193°48.55'	N 14°26.23'	337°20.97'	01
02	208°48.67'	N 14°25.46'	352°23.43'	02
03	223°48.79'	N 14°24.69'	7°25.90'	03
04	238°48.90'	N 14°23.92'	22°28.36'	04
05	253°49.02'	N 14°23.16'	37°30.83'	05
06	268°49.13'	N 14°22.39'	52°33.29'	06
07	283°49.25'	N 14°21.62'	67°35.75'	07
08	298°49.37'	N 14°20.85'	82°38.22'	08
09	313°49.48'	N 14°20.08'	97°40.68'	09
10	328°49.60'	N 14°19.31'	112°43.15'	10
11	343°49.72'	N 14°18.53'	127°45.61'	11
12	358°49.84'	N 14°17.76'	142°48.07'	12
13	13°49.95'	N 14°16.99'	157°50.54'	13
14	28°50.07'	N 14°16.22'	172°53.00'	14
15	43°50.19'	N 14°15.44'	187°55.47'	15
16	58°50.31'	N 14°14.67'	202°57.93'	16
17	73°50.43'	N 14°13.90'	218°00.39'	17
18	88°50.55'	N 14°13.12'	233°02.86'	18
19	103°50.67'	N 14°12.35'	248°05.32'	19
20	118°50.79'	N 14°11.57'	263°07.79'	20
21	133°50.91'	N 14°10.80'	278°10.25'	21
22	148°51.03'	N 14°10.02'	293°12.72'	22
23	163°51.15'	N 14°09.25'	308°15.18'	23
24	178°51.27'	N 14°08.47'	323°17.64'	24
½Ø 15.7951'		p.h. (π) 0.1500'		
EoT at 12 UT -4m41s				

**16 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°54.23'	N 13°49.72'	324°16.78'	00
01	193°54.36'	N 13°48.93'	339°19.25'	01
02	208°54.48'	N 13°48.15'	354°21.71'	02
03	223°54.61'	N 13°47.36'	9°24.17'	03
04	238°54.74'	N 13°46.57'	24°26.64'	04
05	253°54.86'	N 13°45.79'	39°29.10'	05
06	268°54.99'	N 13°45.00'	54°31.57'	06
07	283°55.12'	N 13°44.21'	69°34.03'	07
08	298°55.25'	N 13°43.42'	84°36.50'	08
09	313°55.37'	N 13°42.63'	99°38.96'	09
10	328°55.50'	N 13°41.84'	114°41.42'	10
11	343°55.63'	N 13°41.05'	129°43.89'	11
12	358°55.76'	N 13°40.26'	144°46.35'	12
13	13°55.89'	N 13°39.47'	159°48.82'	13
14	28°56.02'	N 13°38.68'	174°51.28'	14
15	43°56.15'	N 13°37.89'	189°53.74'	15
16	58°56.28'	N 13°37.10'	204°56.21'	16
17	73°56.41'	N 13°36.31'	219°58.67'	17
18	88°56.54'	N 13°35.51'	235°01.14'	18
19	103°56.67'	N 13°34.72'	250°03.60'	19
20	118°56.80'	N 13°33.93'	265°06.06'	20
21	133°56.93'	N 13°33.13'	280°08.53'	21
22	148°57.06'	N 13°32.34'	295°10.99'	22
23	163°57.19'	N 13°31.55'	310°13.46'	23
24	178°57.32'	N 13°30.75'	325°15.92'	24
½Ø 15.8008'		p.h. (π) 0.1500'		
EoT at 12 UT -4m17s				

**17 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	178°57.32'	N 13°30.75'	325°15.92'	00
01	193°57.45'	N 13°29.96'	340°18.39'	01
02	208°57.59'	N 13°29.16'	355°20.85'	02
03	223°57.72'	N 13°28.36'	10°23.31'	03
04	238°57.85'	N 13°27.57'	25°25.78'	04
05	253°57.98'	N 13°26.77'	40°28.24'	05
06	268°58.12'	N 13°25.98'	55°30.71'	06
07	283°58.25'	N 13°25.18'	70°33.17'	07
08	298°58.38'	N 13°24.38'	85°35.63'	08
09	313°58.52'	N 13°23.58'	100°38.10'	09
10	328°58.65'	N 13°22.78'	115°40.56'	10
11	343°58.78'	N 13°21.98'	130°43.03'	11
12	358°58.92'	N 13°21.19'	145°45.49'	12
13	13°59.05'	N 13°20.39'	160°47.95'	13
14	28°59.19'	N 13°19.59'	175°50.42'	14
15	43°59.32'	N 13°18.79'	190°52.88'	15
16	58°59.46'	N 13°17.99'	205°55.35'	16
17	73°59.59'	N 13°17.18'	220°57.81'	17
18	88°59.73'	N 13°16.38'	236°00.28'	18
19	103°59.86'	N 13°15.58'	251°02.74'	19
20	118°60.00'	N 13°14.78'	266°05.20'	20
21	134°00.14'	N 13°13.98'	281°07.67'	21
22	149°00.27'	N 13°13.17'	296°10.13'	22
23	164°00.41'	N 13°12.37'	311°12.60'	23
24	179°00.55'	N 13°11.57'	326°15.06'	24
½Ø 15.8037'		p.h. (π) 0.1500'		
EoT at 12 UT -4m4s				

**19 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°03.89'	N 12°52.17'	327°14.20'	00
01	194°04.04'	N 12°51.36'	342°16.66'	01
02	209°04.18'	N 12°50.55'	357°19.13'	02
03	224°04.32'	N 12°49.74'	12°21.59'	03
04	239°04.46'	N 12°48.92'	27°24.06'	04
05	254°04.61'	N 12°48.11'	42°26.52'	05
06	269°04.75'	N 12°47.29'	57°28.98'	06
07	284°04.89'	N 12°46.48'	72°31.45'	07
08	299°05.04'	N 12°45.66'	87°33.91'	08
09	314°05.18'	N 12°44.85'	102°36.38'	09
10	329°05.32'	N 12°44.03'	117°38.84'	10
11	344°05.47'	N 12°43.22'	132°41.30'	11
12	359°05.61'	N 12°42.40'	147°43.77'	12
13	14°05.76'	N 12°41.58'	162°46.23'	13
14	29°05.90'	N 12°40.77'	177°48.70'	14
15	44°06.05'	N 12°39.95'	192°51.16'	15
16	59°06.19'	N 12°39.13'	207°53.62'	16
17	74°06.34'	N 12°38.31'	222°56.09'	17
18	89°06.48'	N 12°37.50'	237°58.55'	18
19	104°06.63'	N 12°36.68'	253°01.02'	19
20	119°06.78'	N 12°35.86'	268°03.48'	20
21	134°06.92'	N 12°35.04'	283°05.95'	21
22	149°07.07'	N 12°34.22'	298°08.41'	22
23	164°07.22'	N 12°33.40'	313°10.87'	23
24	179°07.36'	N 12°32.58'	328°13.34'	24
½Ø 15.8098'		p.h. (π) 0.1500'		
EoT at 12 UT - 3m38s				

**18 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°00.55'	N 13°11.57'	326°15.06'	00
01	194°00.68'	N 13°10.76'	341°17.52'	01
02	209°00.82'	N 13°09.96'	356°19.99'	02
03	224°00.96'	N 13°09.15'	11°22.45'	03
04	239°01.09'	N 13°08.35'	26°24.92'	04
05	254°01.23'	N 13°07.54'	41°27.38'	05
06	269°01.37'	N 13°06.74'	56°29.84'	06
07	284°01.51'	N 13°05.93'	71°32.31'	07
08	299°01.65'	N 13°05.13'	86°34.77'	08
09	314°01.79'	N 13°04.32'	101°37.24'	09
10	329°01.92'	N 13°03.51'	116°39.70'	10
11	344°02.06'	N 13°02.70'	131°42.17'	11
12	359°02.20'	N 13°01.90'	146°44.63'	12
13	14°02.34'	N 13°01.09'	161°47.09'	13
14	29°02.48'	N 13°00.28'	176°49.56'	14
15	44°02.62'	N 12°59.47'	191°52.02'	15
16	59°02.76'	N 12°58.66'	206°54.49'	16
17	74°02.90'	N 12°57.85'	221°56.95'	17
18	89°03.04'	N 12°57.04'	236°59.41'	18
19	104°03.19'	N 12°56.23'	252°01.88'	19
20	119°03.33'	N 12°55.42'	267°04.34'	20
21	134°03.47'	N 12°54.61'	282°06.81'	21
22	149°03.61'	N 12°53.80'	297°09.27'	22
23	164°03.75'	N 12°52.99'	312°11.73'	23
24	179°03.89'	N 12°52.17'	327°14.20'	24
½Ø 15.8067'		p.h. (π) 0.1500'		
EoT at 12 UT -3m51s				

**20 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°07.36'	N 12°32.58'	328°13.34'	00
01	194°07.51'	N 12°31.76'	343°15.80'	01
02	209°07.66'	N 12°30.94'	358°18.27'	02
03	224°07.81'	N 12°30.11'	13°20.73'	03
04	239°07.95'	N 12°29.29'	28°23.19'	04
05	254°08.10'	N 12°28.47'	43°25.66'	05
06	269°08.25'	N 12°27.65'	58°28.12'	06
07	284°08.40'	N 12°26.83'	73°30.59'	07
08	299°08.55'	N 12°26.00'	88°33.05'	08
09	314°08.70'	N 12°25.18'	103°35.51'	09
10	329°08.85'	N 12°24.35'	118°37.98'	10
11	344°08.99'	N 12°23.53'	133°40.44'	11
12	359°09.14'	N 12°22.71'	148°42.91'	12
13	14°09.29'	N 12°21.88'	163°45.37'	13
14	29°09.44'	N 12°21.06'	178°47.84'	14
15	44°09.59'	N 12°20.23'	193°50.30'	15
16	59°09.74'	N 12°19.40'	208°52.76'	16
17	74°09.89'	N 12°18.58'	223°55.23'	17
18	89°10.05'	N 12°17.75'	238°57.69'	18
19	104°10.20'	N 12°16.92'	254°00.16'	19
20	119°10.35'	N 12°16.10'	269°02.62'	20
21	134°10.50'	N 12°15.27'	284°05.08'	21
22	149°10.65'	N 12°14.44'	299°07.55'	22
23	164°10.80'	N 12°13.61'	314°10.01'	23
24	179°10.95'	N 12°12.78'	329°12.48'	24
½Ø 15.8129'		p.h. (π) 0.1500'		
EoT at 12 UT - 3m23s				

**21 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	179°10.95'	N 12°12.78'	329°12.48'	00
01	194°11.11'	N 12°11.95'	344°14.94'	01
02	209°11.26'	N 12°11.13'	359°17.40'	02
03	224°11.41'	N 12°10.30'	14°19.87'	03
04	239°11.56'	N 12°09.47'	29°22.33'	04
05	254°11.72'	N 12°08.64'	44°24.80'	05
06	269°11.87'	N 12°07.80'	59°27.26'	06
07	284°12.02'	N 12°06.97'	74°29.73'	07
08	299°12.18'	N 12°06.14'	89°32.19'	08
09	314°12.33'	N 12°05.31'	104°34.65'	09
10	329°12.48'	N 12°04.48'	119°37.12'	10
11	344°12.64'	N 12°03.65'	134°39.58'	11
12	359°12.79'	N 12°02.81'	149°42.05'	12
13	14°12.95'	N 12°01.98'	164°44.51'	13
14	29°13.10'	N 12°01.15'	179°46.97'	14
15	44°13.26'	N 12°00.31'	194°49.44'	15
16	59°13.41'	N 11°59.48'	209°51.90'	16
17	74°13.57'	N 11°58.65'	224°54.37'	17
18	89°13.72'	N 11°57.81'	239°56.83'	18
19	104°13.88'	N 11°56.98'	254°59.29'	19
20	119°14.04'	N 11°56.14'	270°01.76'	20
21	134°14.19'	N 11°55.30'	285°04.22'	21
22	149°14.35'	N 11°54.47'	300°06.69'	22
23	164°14.50'	N 11°53.63'	315°09.15'	23
24	179°14.66'	N 11°52.80'	330°11.62'	24
½Ø 15.8160'		p.h. (π) 0.1500'		
EoT at 12 UT - 3m9s				

**23 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°18.48'	N 11°32.62'	331°10.75'	00
01	194°18.64'	N 11°31.78'	346°13.22'	01
02	209°18.81'	N 11°30.93'	1°15.68'	02
03	224°18.97'	N 11°30.08'	16°18.15'	03
04	239°19.13'	N 11°29.24'	31°20.61'	04
05	254°19.29'	N 11°28.39'	46°23.07'	05
06	269°19.45'	N 11°27.55'	61°25.54'	06
07	284°19.62'	N 11°26.70'	76°28.00'	07
08	299°19.78'	N 11°25.85'	91°30.47'	08
09	314°19.94'	N 11°25.01'	106°32.93'	09
10	329°20.11'	N 11°24.16'	121°35.40'	10
11	344°20.27'	N 11°23.31'	136°37.86'	11
12	359°20.43'	N 11°22.46'	151°40.32'	12
13	14°20.60'	N 11°21.61'	166°42.79'	13
14	29°20.76'	N 11°20.77'	181°45.25'	14
15	44°20.93'	N 11°19.92'	196°47.72'	15
16	59°21.09'	N 11°19.07'	211°50.18'	16
17	74°21.26'	N 11°18.22'	226°52.64'	17
18	89°21.42'	N 11°17.37'	241°55.11'	18
19	104°21.59'	N 11°16.52'	256°57.57'	19
20	119°21.75'	N 11°15.67'	272°00.04'	20
21	134°21.92'	N 11°14.82'	287°02.50'	21
22	149°22.08'	N 11°13.96'	302°04.97'	22
23	164°22.25'	N 11°13.11'	317°07.43'	23
24	179°22.41'	N 11°12.26'	332°09.89'	24
½Ø 15.8225'		p.h. (π) 0.1500'		
EoT at 12 UT -2m38s				

**22 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°14.66'	N 11°52.80'	330°11.62'	00
01	194°14.82'	N 11°51.96'	345°14.08'	01
02	209°14.98'	N 11°51.12'	0°16.54'	02
03	224°15.13'	N 11°50.28'	15°19.01'	03
04	239°15.29'	N 11°49.45'	30°21.47'	04
05	254°15.45'	N 11°48.61'	45°23.94'	05
06	269°15.61'	N 11°47.77'	60°26.40'	06
07	284°15.76'	N 11°46.93'	75°28.86'	07
08	299°15.92'	N 11°46.09'	90°31.33'	08
09	314°16.08'	N 11°45.25'	105°33.79'	09
10	329°16.24'	N 11°44.41'	120°36.26'	10
11	344°16.40'	N 11°43.57'	135°38.72'	11
12	359°16.56'	N 11°42.73'	150°41.18'	12
13	14°16.72'	N 11°41.89'	165°43.65'	13
14	29°16.88'	N 11°41.05'	180°46.11'	14
15	44°17.04'	N 11°40.21'	195°48.58'	15
16	59°17.20'	N 11°39.37'	210°51.04'	16
17	74°17.36'	N 11°38.52'	225°53.51'	17
18	89°17.52'	N 11°37.68'	240°55.97'	18
19	104°17.68'	N 11°36.84'	255°58.43'	19
20	119°17.84'	N 11°36.00'	271°00.90'	20
21	134°18.00'	N 11°35.15'	286°03.36'	21
22	149°18.16'	N 11°34.31'	301°05.83'	22
23	164°18.32'	N 11°33.46'	316°08.29'	23
24	179°18.48'	N 11°32.62'	331°10.75'	24
½Ø 15.8192'		p.h. (π) 0.1500'		
EoT at 12 UT -2m54s				

**24 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°22.41'	N 11°12.26'	332°09.89'	00
01	194°22.58'	N 11°11.41'	347°12.36'	01
02	209°22.75'	N 11°10.56'	2°14.82'	02
03	224°22.91'	N 11°09.70'	17°17.29'	03
04	239°23.08'	N 11°08.85'	32°19.75'	04
05	254°23.25'	N 11°08.00'	47°22.21'	05
06	269°23.41'	N 11°07.14'	62°24.68'	06
07	284°23.58'	N 11°06.29'	77°27.14'	07
08	299°23.75'	N 11°05.44'	92°29.61'	08
09	314°23.92'	N 11°04.58'	107°32.07'	09
10	329°24.08'	N 11°03.73'	122°34.53'	10
11	344°24.25'	N 11°02.87'	137°37.00'	11
12	359°24.42'	N 11°02.02'	152°39.46'	12
13	14°24.59'	N 11°01.16'	167°41.93'	13
14	29°24.76'	N 11°00.30'	182°44.39'	14
15	44°24.92'	N 10°59.45'	197°46.86'	15
16	59°25.09'	N 10°58.59'	212°49.32'	16
17	74°25.26'	N 10°57.73'	227°51.78'	17
18	89°25.43'	N 10°56.88'	242°54.25'	18
19	104°25.60'	N 10°56.02'	257°56.71'	19
20	119°25.77'	N 10°55.16'	272°59.18'	20
21	134°25.94'	N 10°54.30'	288°01.64'	21
22	149°26.11'	N 10°53.44'	303°04.10'	22
23	164°26.28'	N 10°52.59'	318°06.57'	23
24	179°26.45'	N 10°51.73'	333°09.03'	24
½Ø 15.8258'		p.h. (π) 0.1500'		
EoT at 12 UT - 2m22s				

**25 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	179°26.45'	N 10°51.73'	333°09.03'	00
01	194°26.62'	N 10°50.87'	348°11.50'	01
02	209°26.79'	N 10°50.01'	3°13.96'	02
03	224°26.96'	N 10°49.15'	18°16.42'	03
04	239°27.13'	N 10°48.29'	33°18.89'	04
05	254°27.31'	N 10°47.43'	48°21.35'	05
06	269°27.48'	N 10°46.57'	63°23.82'	06
07	284°27.65'	N 10°45.70'	78°26.28'	07
08	299°27.82'	N 10°44.84'	93°28.75'	08
09	314°27.99'	N 10°43.98'	108°31.21'	09
10	329°28.16'	N 10°43.12'	123°33.67'	10
11	344°28.34'	N 10°42.26'	138°36.14'	11
12	359°28.51'	N 10°41.39'	153°38.60'	12
13	14°28.68'	N 10°40.53'	168°41.07'	13
14	29°28.85'	N 10°39.67'	183°43.53'	14
15	44°29.03'	N 10°38.80'	198°45.99'	15
16	59°29.20'	N 10°37.94'	213°48.46'	16
17	74°29.37'	N 10°37.08'	228°50.92'	17
18	89°29.55'	N 10°36.21'	243°53.39'	18
19	104°29.72'	N 10°35.35'	258°55.85'	19
20	119°29.90'	N 10°34.48'	273°58.31'	20
21	134°30.07'	N 10°33.62'	289°00.78'	21
22	149°30.24'	N 10°32.75'	304°03.24'	22
23	164°30.42'	N 10°31.88'	319°05.71'	23
24	179°30.59'	N 10°31.02'	334°08.17'	24
½Ø 15.8292'		p.h. (π) 0.1500'		
EoT at 12 UT -2m6s				

**27 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°34.83'	N 10°10.14'	335°07.31'	00
01	194°35.01'	N 10°09.27'	350°09.77'	01
02	209°35.19'	N 10°08.40'	5°12.24'	02
03	224°35.37'	N 10°07.52'	20°14.70'	03
04	239°35.55'	N 10°06.65'	35°17.17'	04
05	254°35.73'	N 10°05.78'	50°19.63'	05
06	269°35.91'	N 10°04.90'	65°22.09'	06
07	284°36.09'	N 10°04.03'	80°24.56'	07
08	299°36.27'	N 10°03.15'	95°27.02'	08
09	314°36.45'	N 10°02.27'	110°29.49'	09
10	329°36.63'	N 10°01.40'	125°31.95'	10
11	344°36.81'	N 10°00.52'	140°34.42'	11
12	359°36.99'	N 9°59.65'	155°36.88'	12
13	14°37.17'	N 9°58.77'	170°39.34'	13
14	29°37.35'	N 9°57.89'	185°41.81'	14
15	44°37.53'	N 9°57.02'	200°44.27'	15
16	59°37.71'	N 9°56.14'	215°46.74'	16
17	74°37.90'	N 9°55.26'	230°49.20'	17
18	89°38.08'	N 9°54.38'	245°51.66'	18
19	104°38.26'	N 9°53.50'	260°54.13'	19
20	119°38.44'	N 9°52.63'	275°56.59'	20
21	134°38.62'	N 9°51.75'	290°59.06'	21
22	149°38.81'	N 9°50.87'	306°01.52'	22
23	164°38.99'	N 9°49.99'	321°03.98'	23
24	179°39.17'	N 9°49.11'	336°06.45'	24
½Ø 15.8361'		p.h. (π) 0.1500'		
EoT at 12 UT -1m32s				

**26 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°30.59'	N 10°31.02'	334°08.17'	00
01	194°30.77'	N 10°30.15'	349°10.64'	01
02	209°30.94'	N 10°29.29'	4°13.10'	02
03	224°31.12'	N 10°28.42'	19°15.56'	03
04	239°31.29'	N 10°27.55'	34°18.03'	04
05	254°31.47'	N 10°26.68'	49°20.49'	05
06	269°31.64'	N 10°25.82'	64°22.96'	06
07	284°31.82'	N 10°24.95'	79°25.42'	07
08	299°32.00'	N 10°24.08'	94°27.88'	08
09	314°32.17'	N 10°23.21'	109°30.35'	09
10	329°32.35'	N 10°22.34'	124°32.81'	10
11	344°32.52'	N 10°21.47'	139°35.28'	11
12	359°32.70'	N 10°20.60'	154°37.74'	12
13	14°32.88'	N 10°19.73'	169°40.20'	13
14	29°33.05'	N 10°18.86'	184°42.67'	14
15	44°33.23'	N 10°17.99'	199°45.13'	15
16	59°33.41'	N 10°17.12'	214°47.60'	16
17	74°33.59'	N 10°16.25'	229°50.06'	17
18	89°33.76'	N 10°15.38'	244°52.53'	18
19	104°33.94'	N 10°14.51'	259°54.99'	19
20	119°34.12'	N 10°13.63'	274°57.45'	20
21	134°34.30'	N 10°12.76'	289°59.92'	21
22	149°34.48'	N 10°11.89'	305°02.38'	22
23	164°34.65'	N 10°11.02'	320°04.85'	23
24	179°34.83'	N 10°10.14'	335°07.31'	24
½Ø 15.8326'		p.h. (π) 0.1500'		
EoT at 12 UT -1m49s				

**28 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°39.17'	N 9°49.11'	336°06.45'	00
01	194°39.35'	N 9°48.23'	351°08.91'	01
02	209°39.54'	N 9°47.35'	6°11.38'	02
03	224°39.72'	N 9°46.47'	21°13.84'	03
04	239°39.90'	N 9°45.59'	36°16.31'	04
05	254°40.09'	N 9°44.71'	51°18.77'	05
06	269°40.27'	N 9°43.83'	66°21.23'	06
07	284°40.45'	N 9°42.94'	81°23.70'	07
08	299°40.64'	N 9°42.06'	96°26.16'	08
09	314°40.82'	N 9°41.18'	111°28.63'	09
10	329°41.00'	N 9°40.30'	126°31.09'	10
11	344°41.19'	N 9°39.42'	141°33.55'	11
12	359°41.37'	N 9°38.53'	156°36.02'	12
13	14°41.56'	N 9°37.65'	171°38.48'	13
14	29°41.74'	N 9°36.77'	186°40.95'	14
15	44°41.93'	N 9°35.88'	201°43.41'	15
16	59°42.11'	N 9°35.00'	216°45.87'	16
17	74°42.30'	N 9°34.11'	231°48.34'	17
18	89°42.48'	N 9°33.23'	246°50.80'	18
19	104°42.67'	N 9°32.35'	261°53.27'	19
20	119°42.85'	N 9°31.46'	276°55.73'	20
21	134°43.04'	N 9°30.58'	291°58.20'	21
22	149°43.23'	N 9°29.69'	307°00.66'	22
23	164°43.41'	N 9°28.80'	322°03.12'	23
24	179°43.60'	N 9°27.92'	337°05.59'	24
½Ø 15.8396'		p.h. (π) 0.1500'		
EoT at 12 UT -1m15s				

**29 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°43.60'	N 9°27.92'	337°05.59'	00
01	194°43.79'	N 9°27.03'	352°08.05'	01
02	209°43.97'	N 9°26.15'	7°10.52'	02
03	224°44.16'	N 9°25.26'	22°12.98'	03
04	239°44.35'	N 9°24.37'	37°15.44'	04
05	254°44.53'	N 9°23.48'	52°17.91'	05
06	269°44.72'	N 9°22.60'	67°20.37'	06
07	284°44.91'	N 9°21.71'	82°22.84'	07
08	299°45.10'	N 9°20.82'	97°25.30'	08
09	314°45.28'	N 9°19.93'	112°27.76'	09
10	329°45.47'	N 9°19.04'	127°30.23'	10
11	344°45.66'	N 9°18.15'	142°32.69'	11
12	359°45.85'	N 9°17.27'	157°35.16'	12
13	14°46.04'	N 9°16.38'	172°37.62'	13
14	29°46.22'	N 9°15.49'	187°40.09'	14
15	44°46.41'	N 9°14.60'	202°42.55'	15
16	59°46.60'	N 9°13.71'	217°45.01'	16
17	74°46.79'	N 9°12.82'	232°47.48'	17
18	89°46.98'	N 9°11.93'	247°49.94'	18
19	104°47.17'	N 9°11.03'	262°52.41'	19
20	119°47.36'	N 9°10.14'	277°54.87'	20
21	134°47.55'	N 9°09.25'	292°57.33'	21
22	149°47.74'	N 9°08.36'	307°59.80'	22
23	164°47.93'	N 9°07.47'	323°02.26'	23
24	179°48.12'	N 9°06.58'	338°04.73'	24
½Ø 15.8432'		p.h. (π) 0.1500'		
EoT at 12 UT -0m57s				

**31 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°52.72'	N 8°45.09'	339°03.87'	00
01	194°52.91'	N 8°44.19'	354°06.33'	01
02	209°53.10'	N 8°43.29'	9°08.79'	02
03	224°53.30'	N 8°42.39'	24°11.26'	03
04	239°53.49'	N 8°41.49'	39°13.72'	04
05	254°53.69'	N 8°40.59'	54°16.19'	05
06	269°53.88'	N 8°39.70'	69°18.65'	06
07	284°54.07'	N 8°38.80'	84°21.11'	07
08	299°54.27'	N 8°37.90'	99°23.58'	08
09	314°54.46'	N 8°36.99'	114°26.04'	09
10	329°54.66'	N 8°36.09'	129°28.51'	10
11	344°54.85'	N 8°35.19'	144°30.97'	11
12	359°55.05'	N 8°34.29'	159°33.43'	12
13	14°55.24'	N 8°33.39'	174°35.90'	13
14	29°55.44'	N 8°32.49'	189°38.36'	14
15	44°55.63'	N 8°31.59'	204°40.83'	15
16	59°55.83'	N 8°30.69'	219°43.29'	16
17	74°56.02'	N 8°29.78'	234°45.76'	17
18	89°56.22'	N 8°28.88'	249°48.22'	18
19	104°56.42'	N 8°27.98'	264°50.68'	19
20	119°56.61'	N 8°27.08'	279°53.15'	20
21	134°56.81'	N 8°26.17'	294°55.61'	21
22	149°57.00'	N 8°25.27'	309°58.08'	22
23	164°57.20'	N 8°24.37'	325°00.54'	23
24	179°57.40'	N 8°23.46'	340°03.00'	24
½Ø 15.8505'		p.h. (π) 0.1500'		
EoT at 12 UT -0m20s				

**30 août 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°48.12'	N 9°06.58'	338°04.73'	00
01	194°48.31'	N 9°05.68'	353°07.19'	01
02	209°48.50'	N 9°04.79'	8°09.65'	02
03	224°48.69'	N 9°03.90'	23°12.12'	03
04	239°48.88'	N 9°03.00'	38°14.58'	04
05	254°49.07'	N 9°02.11'	53°17.05'	05
06	269°49.26'	N 9°01.22'	68°19.51'	06
07	284°49.45'	N 9°00.32'	83°21.98'	07
08	299°49.64'	N 8°59.43'	98°24.44'	08
09	314°49.83'	N 8°58.54'	113°26.90'	09
10	329°50.02'	N 8°57.64'	128°29.37'	10
11	344°50.21'	N 8°56.75'	143°31.83'	11
12	359°50.41'	N 8°55.85'	158°34.30'	12
13	14°50.60'	N 8°54.95'	173°36.76'	13
14	29°50.79'	N 8°54.06'	188°39.22'	14
15	44°50.98'	N 8°53.16'	203°41.69'	15
16	59°51.17'	N 8°52.27'	218°44.15'	16
17	74°51.37'	N 8°51.37'	233°46.62'	17
18	89°51.56'	N 8°50.47'	248°49.08'	18
19	104°51.75'	N 8°49.58'	263°51.54'	19
20	119°51.94'	N 8°48.68'	278°54.01'	20
21	134°52.14'	N 8°47.78'	293°56.47'	21
22	149°52.33'	N 8°46.88'	308°58.94'	22
23	164°52.52'	N 8°45.99'	324°01.40'	23
24	179°52.72'	N 8°45.09'	339°03.87'	24
½Ø 15.8468'		p.h. (π) 0.1500'		
EoT at 12 UT -0m38s				



**1er septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°57.40'	N 8°23.46'	340°03.00'	00
01	194°57.59'	N 8°22.56'	355°05.47'	01
02	209°57.79'	N 8°21.65'	10°07.93'	02
03	224°57.99'	N 8°20.75'	25°10.40'	03
04	239°58.19'	N 8°19.84'	40°12.86'	04
05	254°58.38'	N 8°18.94'	55°15.32'	05
06	269°58.58'	N 8°18.03'	70°17.79'	06
07	284°58.78'	N 8°17.13'	85°20.25'	07
08	299°58.98'	N 8°16.22'	100°22.72'	08
09	314°59.17'	N 8°15.32'	115°25.18'	09
10	329°59.37'	N 8°14.41'	130°27.65'	10
11	344°59.57'	N 8°13.50'	145°30.11'	11
12	359°59.77'	N 8°12.60'	160°32.57'	12
13	14°59.97'	N 8°11.69'	175°35.04'	13
14	30°00.16'	N 8°10.78'	190°37.50'	14
15	45°00.36'	N 8°09.88'	205°39.97'	15
16	60°00.56'	N 8°08.97'	220°42.43'	16
17	75°00.76'	N 8°08.06'	235°44.89'	17
18	90°00.96'	N 8°07.15'	250°47.36'	18
19	105°01.16'	N 8°06.24'	265°49.82'	19
20	120°01.36'	N 8°05.34'	280°52.29'	20
21	135°01.56'	N 8°04.43'	295°54.75'	21
22	150°01.76'	N 8°03.52'	310°57.21'	22
23	165°01.95'	N 8°02.61'	325°59.68'	23
24	180°02.15'	N 8°01.70'	341°02.14'	24
½Ø 15.8542'		p.h. (π) 0.1500'		
EoT at 12 UT -0m1s				

**3 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°06.98'	N 7°39.81'	342°01.28'	00
01	195°07.19'	N 7°38.90'	357°03.75'	01
02	210°07.39'	N 7°37.98'	12°06.21'	02
03	225°07.59'	N 7°37.06'	27°08.67'	03
04	240°07.79'	N 7°36.15'	42°11.14'	04
05	255°08.00'	N 7°35.23'	57°13.60'	05
06	270°08.20'	N 7°34.32'	72°16.07'	06
07	285°08.40'	N 7°33.40'	87°18.53'	07
08	300°08.61'	N 7°32.49'	102°20.99'	08
09	315°08.81'	N 7°31.57'	117°23.46'	09
10	330°09.01'	N 7°30.65'	132°25.92'	10
11	345°09.22'	N 7°29.73'	147°28.39'	11
12	0°09.42'	N 7°28.82'	162°30.85'	12
13	15°09.63'	N 7°27.90'	177°33.32'	13
14	30°09.83'	N 7°26.98'	192°35.78'	14
15	45°10.03'	N 7°26.07'	207°38.24'	15
16	60°10.24'	N 7°25.15'	222°40.71'	16
17	75°10.44'	N 7°24.23'	237°43.17'	17
18	90°10.65'	N 7°23.31'	252°45.64'	18
19	105°10.85'	N 7°22.39'	267°48.10'	19
20	120°11.06'	N 7°21.47'	282°50.56'	20
21	135°11.26'	N 7°20.55'	297°53.03'	21
22	150°11.47'	N 7°19.63'	312°55.49'	22
23	165°11.67'	N 7°18.72'	327°57.96'	23
24	180°11.88'	N 7°17.80'	343°00.42'	24
½Ø 15.8618'		p.h. (π) 0.1500'		
EoT at 12 UT +0m38s				

**2 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°02.15'	N 8°01.70'	341°02.14'	00
01	195°02.35'	N 8°00.79'	356°04.61'	01
02	210°02.55'	N 7°59.88'	11°07.07'	02
03	225°02.75'	N 7°58.97'	26°09.54'	03
04	240°02.95'	N 7°58.06'	41°12.00'	04
05	255°03.15'	N 7°57.15'	56°14.46'	05
06	270°03.36'	N 7°56.24'	71°16.93'	06
07	285°03.56'	N 7°55.33'	86°19.39'	07
08	300°03.76'	N 7°54.42'	101°21.86'	08
09	315°03.96'	N 7°53.51'	116°24.32'	09
10	330°04.16'	N 7°52.59'	131°26.78'	10
11	345°04.36'	N 7°51.68'	146°29.25'	11
12	0°04.56'	N 7°50.77'	161°31.71'	12
13	15°04.76'	N 7°49.86'	176°34.18'	13
14	30°04.96'	N 7°48.95'	191°36.64'	14
15	45°05.16'	N 7°48.03'	206°39.10'	15
16	60°05.37'	N 7°47.12'	221°41.57'	16
17	75°05.57'	N 7°46.21'	236°44.03'	17
18	90°05.77'	N 7°45.29'	251°46.50'	18
19	105°05.97'	N 7°44.38'	266°48.96'	19
20	120°06.17'	N 7°43.47'	281°51.43'	20
21	135°06.38'	N 7°42.55'	296°53.89'	21
22	150°06.58'	N 7°41.64'	311°56.35'	22
23	165°06.78'	N 7°40.72'	326°58.82'	23
24	180°06.98'	N 7°39.81'	342°01.28'	24
½Ø 15.8580'		p.h. (π) 0.1500'		
EoT at 12 UT +0m18s				

**4 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°11.88'	N 7°17.80'	343°00.42'	00
01	195°12.08'	N 7°16.88'	358°02.88'	01
02	210°12.29'	N 7°15.96'	13°05.35'	02
03	225°12.49'	N 7°15.04'	28°07.81'	03
04	240°12.70'	N 7°14.11'	43°10.28'	04
05	255°12.91'	N 7°13.19'	58°12.74'	05
06	270°13.11'	N 7°12.27'	73°15.21'	06
07	285°13.32'	N 7°11.35'	88°17.67'	07
08	300°13.52'	N 7°10.43'	103°20.13'	08
09	315°13.73'	N 7°09.51'	118°22.60'	09
10	330°13.94'	N 7°08.59'	133°25.06'	10
11	345°14.14'	N 7°07.67'	148°27.53'	11
12	0°14.35'	N 7°06.74'	163°29.99'	12
13	15°14.56'	N 7°05.82'	178°32.45'	13
14	30°14.76'	N 7°04.90'	193°34.92'	14
15	45°14.97'	N 7°03.98'	208°37.38'	15
16	60°15.18'	N 7°03.05'	223°39.85'	16
17	75°15.38'	N 7°02.13'	238°42.31'	17
18	90°15.59'	N 7°01.21'	253°44.77'	18
19	105°15.80'	N 7°00.28'	268°47.24'	19
20	120°16.01'	N 6°59.36'	283°49.70'	20
21	135°16.21'	N 6°58.44'	298°52.17'	21
22	150°16.42'	N 6°57.51'	313°54.63'	22
23	165°16.63'	N 6°56.59'	328°57.10'	23
24	180°16.84'	N 6°55.66'	343°59.56'	24
½Ø 15.8656'		p.h. (π) 0.1500'		
EoT at 12 UT +0m57s				

**5 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	180°16.84'	N 6°55.66'	343°59.56'	00
01	195°17.04'	N 6°54.74'	359°02.02'	01
02	210°17.25'	N 6°53.81'	14°04.49'	02
03	225°17.46'	N 6°52.89'	29°06.95'	03
04	240°17.67'	N 6°51.96'	44°09.42'	04
05	255°17.88'	N 6°51.04'	59°11.88'	05
06	270°18.09'	N 6°50.11'	74°14.34'	06
07	285°18.29'	N 6°49.19'	89°16.81'	07
08	300°18.50'	N 6°48.26'	104°19.27'	08
09	315°18.71'	N 6°47.33'	119°21.74'	09
10	330°18.92'	N 6°46.41'	134°24.20'	10
11	345°19.13'	N 6°45.48'	149°26.66'	11
12	0°19.34'	N 6°44.55'	164°29.13'	12
13	15°19.55'	N 6°43.63'	179°31.59'	13
14	30°19.76'	N 6°42.70'	194°34.06'	14
15	45°19.97'	N 6°41.77'	209°36.52'	15
16	60°20.18'	N 6°40.84'	224°38.99'	16
17	75°20.38'	N 6°39.92'	239°41.45'	17
18	90°20.59'	N 6°38.99'	254°43.91'	18
19	105°20.80'	N 6°38.06'	269°46.38'	19
20	120°21.01'	N 6°37.13'	284°48.84'	20
21	135°21.22'	N 6°36.20'	299°51.31'	21
22	150°21.43'	N 6°35.27'	314°53.77'	22
23	165°21.64'	N 6°34.35'	329°56.23'	23
24	180°21.85'	N 6°33.42'	344°58.70'	24
½Ø 15.8695' p.h. (π) 0.1500'				
EoT at 12 UT +1m17s				

**7 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	180°26.92'	N 6°11.06'	345°57.84'	00
01	195°27.14'	N 6°10.13'	1°00.30'	01
02	210°27.35'	N 6°09.20'	16°02.77'	02
03	225°27.56'	N 6°08.26'	31°05.23'	03
04	240°27.77'	N 6°07.33'	46°07.69'	04
05	255°27.99'	N 6°06.39'	61°10.16'	05
06	270°28.20'	N 6°05.46'	76°12.62'	06
07	285°28.41'	N 6°04.52'	91°15.09'	07
08	300°28.63'	N 6°03.59'	106°17.55'	08
09	315°28.84'	N 6°02.65'	121°20.01'	09
10	330°29.05'	N 6°01.72'	136°22.48'	10
11	345°29.27'	N 6°00.78'	151°24.94'	11
12	0°29.48'	N 5°59.85'	166°27.41'	12
13	15°29.69'	N 5°58.91'	181°29.87'	13
14	30°29.91'	N 5°57.98'	196°32.33'	14
15	45°30.12'	N 5°57.04'	211°34.80'	15
16	60°30.33'	N 5°56.10'	226°37.26'	16
17	75°30.55'	N 5°55.17'	241°39.73'	17
18	90°30.76'	N 5°54.23'	256°42.19'	18
19	105°30.97'	N 5°53.29'	271°44.66'	19
20	120°31.19'	N 5°52.36'	286°47.12'	20
21	135°31.40'	N 5°51.42'	301°49.58'	21
22	150°31.62'	N 5°50.48'	316°52.05'	22
23	165°31.83'	N 5°49.55'	331°54.51'	23
24	180°32.04'	N 5°48.61'	346°56.98'	24
½Ø 15.8774' p.h. (π) 0.1500'				
EoT at 12 UT +1m58s				

**6 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	180°21.85'	N 6°33.42'	344°58.70'	00
01	195°22.06'	N 6°32.49'	0°01.16'	01
02	210°22.27'	N 6°31.56'	15°03.63'	02
03	225°22.48'	N 6°30.63'	30°06.09'	03
04	240°22.70'	N 6°29.70'	45°08.55'	04
05	255°22.91'	N 6°28.77'	60°11.02'	05
06	270°23.12'	N 6°27.84'	75°13.48'	06
07	285°23.33'	N 6°26.91'	90°15.95'	07
08	300°23.54'	N 6°25.98'	105°18.41'	08
09	315°23.75'	N 6°25.05'	120°20.88'	09
10	330°23.96'	N 6°24.12'	135°23.34'	10
11	345°24.17'	N 6°23.18'	150°25.80'	11
12	0°24.38'	N 6°22.25'	165°28.27'	12
13	15°24.59'	N 6°21.32'	180°30.73'	13
14	30°24.81'	N 6°20.39'	195°33.20'	14
15	45°25.02'	N 6°19.46'	210°35.66'	15
16	60°25.23'	N 6°18.53'	225°38.12'	16
17	75°25.44'	N 6°17.59'	240°40.59'	17
18	90°25.65'	N 6°16.66'	255°43.05'	18
19	105°25.86'	N 6°15.73'	270°45.52'	19
20	120°26.08'	N 6°14.80'	285°47.98'	20
21	135°26.29'	N 6°13.86'	300°50.44'	21
22	150°26.50'	N 6°12.93'	315°52.91'	22
23	165°26.71'	N 6°12.00'	330°55.37'	23
24	180°26.92'	N 6°11.06'	345°57.84'	24
½Ø 15.8734' p.h. (π) 0.1500'				
EoT at 12 UT +1m38s				

**8 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	180°32.04'	N 5°48.61'	346°56.98'	00
01	195°32.26'	N 5°47.67'	1°59.44'	01
02	210°32.47'	N 5°46.73'	17°01.90'	02
03	225°32.69'	N 5°45.79'	32°04.37'	03
04	240°32.90'	N 5°44.86'	47°06.83'	04
05	255°33.12'	N 5°43.92'	62°09.30'	05
06	270°33.33'	N 5°42.98'	77°11.76'	06
07	285°33.55'	N 5°42.04'	92°14.22'	07
08	300°33.76'	N 5°41.10'	107°16.69'	08
09	315°33.98'	N 5°40.16'	122°19.15'	09
10	330°34.19'	N 5°39.22'	137°21.62'	10
11	345°34.41'	N 5°38.28'	152°24.08'	11
12	0°34.62'	N 5°37.34'	167°26.55'	12
13	15°34.84'	N 5°36.40'	182°29.01'	13
14	30°35.05'	N 5°35.46'	197°31.47'	14
15	45°35.27'	N 5°34.52'	212°33.94'	15
16	60°35.48'	N 5°33.58'	227°36.40'	16
17	75°35.70'	N 5°32.64'	242°38.87'	17
18	90°35.91'	N 5°31.70'	257°41.33'	18
19	105°36.13'	N 5°30.76'	272°43.79'	19
20	120°36.35'	N 5°29.82'	287°46.26'	20
21	135°36.56'	N 5°28.88'	302°48.72'	21
22	150°36.78'	N 5°27.94'	317°51.19'	22
23	165°36.99'	N 5°27.00'	332°53.65'	23
24	180°37.21'	N 5°26.06'	347°56.11'	24
½Ø 15.8814' p.h. (π) 0.1500'				
EoT at 12 UT +2m18s				

**9 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	180°37.21'	N 5°26.06'	347°56.11'	00
01	195°37.42'	N 5°25.11'	2°58.58'	01
02	210°37.64'	N 5°24.17'	18°01.04'	02
03	225°37.86'	N 5°23.23'	33°03.51'	03
04	240°38.07'	N 5°22.29'	48°05.97'	04
05	255°38.29'	N 5°21.35'	63°08.44'	05
06	270°38.51'	N 5°20.40'	78°10.90'	06
07	285°38.72'	N 5°19.46'	93°13.36'	07
08	300°38.94'	N 5°18.52'	108°15.83'	08
09	315°39.16'	N 5°17.57'	123°18.29'	09
10	330°39.37'	N 5°16.63'	138°20.76'	10
11	345°39.59'	N 5°15.69'	153°23.22'	11
12	0°39.81'	N 5°14.74'	168°25.68'	12
13	15°40.02'	N 5°13.80'	183°28.15'	13
14	30°40.24'	N 5°12.86'	198°30.61'	14
15	45°40.46'	N 5°11.91'	213°33.08'	15
16	60°40.67'	N 5°10.97'	228°35.54'	16
17	75°40.89'	N 5°10.03'	243°38.00'	17
18	90°41.11'	N 5°09.08'	258°40.47'	18
19	105°41.33'	N 5°08.14'	273°42.93'	19
20	120°41.54'	N 5°07.19'	288°45.40'	20
21	135°41.76'	N 5°06.25'	303°47.86'	21
22	150°41.98'	N 5°05.30'	318°50.33'	22
23	165°42.20'	N 5°04.36'	333°52.79'	23
24	180°42.41'	N 5°03.41'	348°55.25'	24
½Ø 15.8855' p.h. (π) 0.1500'				
EoT at 12 UT +2m39s				

**11 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	180°47.65'	N 4°40.68'	349°54.39'	00
01	195°47.87'	N 4°39.73'	4°56.86'	01
02	210°48.09'	N 4°38.78'	19°59.32'	02
03	225°48.31'	N 4°37.84'	35°01.78'	03
04	240°48.53'	N 4°36.89'	50°04.25'	04
05	255°48.75'	N 4°35.94'	65°06.71'	05
06	270°48.97'	N 4°34.99'	80°09.18'	06
07	285°49.19'	N 4°34.04'	95°11.64'	07
08	300°49.41'	N 4°33.09'	110°14.11'	08
09	315°49.63'	N 4°32.14'	125°16.57'	09
10	330°49.85'	N 4°31.19'	140°19.03'	10
11	345°50.07'	N 4°30.24'	155°21.50'	11
12	0°50.29'	N 4°29.29'	170°23.96'	12
13	15°50.50'	N 4°28.34'	185°26.43'	13
14	30°50.72'	N 4°27.39'	200°28.89'	14
15	45°50.94'	N 4°26.44'	215°31.35'	15
16	60°51.16'	N 4°25.48'	230°33.82'	16
17	75°51.38'	N 4°24.53'	245°36.28'	17
18	90°51.60'	N 4°23.58'	260°38.75'	18
19	105°51.82'	N 4°22.63'	275°41.21'	19
20	120°52.04'	N 4°21.68'	290°43.67'	20
21	135°52.26'	N 4°20.73'	305°46.14'	21
22	150°52.48'	N 4°19.78'	320°48.60'	22
23	165°52.70'	N 4°18.82'	335°51.07'	23
24	180°52.92'	N 4°17.87'	350°53.53'	24
½Ø 15.8936' p.h. (π) 0.1500'				
EoT at 12 UT +3m21s				

**10 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	180°42.41'	N 5°03.41'	348°55.25'	00
01	195°42.63'	N 5°02.47'	3°57.72'	01
02	210°42.85'	N 5°01.52'	19°00.18'	02
03	225°43.07'	N 5°00.58'	34°02.65'	03
04	240°43.28'	N 4°59.63'	49°05.11'	04
05	255°43.50'	N 4°58.68'	64°07.57'	05
06	270°43.72'	N 4°57.74'	79°10.04'	06
07	285°43.94'	N 4°56.79'	94°12.50'	07
08	300°44.16'	N 4°55.84'	109°14.97'	08
09	315°44.37'	N 4°54.90'	124°17.43'	09
10	330°44.59'	N 4°53.95'	139°19.89'	10
11	345°44.81'	N 4°53.00'	154°22.36'	11
12	0°45.03'	N 4°52.06'	169°24.82'	12
13	15°45.25'	N 4°51.11'	184°27.29'	13
14	30°45.47'	N 4°50.16'	199°29.75'	14
15	45°45.68'	N 4°49.22'	214°32.22'	15
16	60°45.90'	N 4°48.27'	229°34.68'	16
17	75°46.12'	N 4°47.32'	244°37.14'	17
18	90°46.34'	N 4°46.37'	259°39.61'	18
19	105°46.56'	N 4°45.42'	274°42.07'	19
20	120°46.78'	N 4°44.48'	289°44.54'	20
21	135°47.00'	N 4°43.53'	304°47.00'	21
22	150°47.22'	N 4°42.58'	319°49.46'	22
23	165°47.43'	N 4°41.63'	334°51.93'	23
24	180°47.65'	N 4°40.68'	349°54.39'	24
½Ø 15.8895' p.h. (π) 0.1500'				
EoT at 12 UT +3m0s				

**12 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	180°52.92'	N 4°17.87'	350°53.53'	00
01	195°53.14'	N 4°16.92'	5°56.00'	01
02	210°53.36'	N 4°15.97'	20°58.46'	02
03	225°53.58'	N 4°15.02'	36°00.92'	03
04	240°53.80'	N 4°14.06'	51°03.39'	04
05	255°54.03'	N 4°13.11'	66°05.85'	05
06	270°54.25'	N 4°12.16'	81°08.32'	06
07	285°54.47'	N 4°11.20'	96°10.78'	07
08	300°54.69'	N 4°10.25'	111°13.24'	08
09	315°54.91'	N 4°09.30'	126°15.71'	09
10	330°55.13'	N 4°08.35'	141°18.17'	10
11	345°55.35'	N 4°07.39'	156°20.64'	11
12	0°55.57'	N 4°06.44'	171°23.10'	12
13	15°55.79'	N 4°05.49'	186°25.56'	13
14	30°56.01'	N 4°04.53'	201°28.03'	14
15	45°56.23'	N 4°03.58'	216°30.49'	15
16	60°56.45'	N 4°02.62'	231°32.96'	16
17	75°56.67'	N 4°01.67'	246°35.42'	17
18	90°56.89'	N 4°00.72'	261°37.89'	18
19	105°57.11'	N 3°59.76'	276°40.35'	19
20	120°57.34'	N 3°58.81'	291°42.81'	20
21	135°57.56'	N 3°57.85'	306°45.28'	21
22	150°57.78'	N 3°56.90'	321°47.74'	22
23	165°58.00'	N 3°55.94'	336°50.21'	23
24	180°58.22'	N 3°54.99'	351°52.67'	24
½Ø 15.8978' p.h. (π) 0.1500'				
EoT at 12 UT +3m42s				

**13 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°58.22'	N 3°54.99'	351°52.67'	00
01	195°58.44'	N 3°54.03'	6°55.13'	01
02	210°58.66'	N 3°53.08'	21°57.60'	02
03	225°58.88'	N 3°52.12'	37°00.06'	03
04	240°59.10'	N 3°51.17'	52°02.53'	04
05	255°59.33'	N 3°50.21'	67°04.99'	05
06	270°59.55'	N 3°49.25'	82°07.45'	06
07	285°59.77'	N 3°48.30'	97°09.92'	07
08	300°59.99'	N 3°47.34'	112°12.38'	08
09	316°00.21'	N 3°46.39'	127°14.85'	09
10	331°00.43'	N 3°45.43'	142°17.31'	10
11	346°00.65'	N 3°44.47'	157°19.78'	11
12	1°00.88'	N 3°43.52'	172°22.24'	12
13	16°01.10'	N 3°42.56'	187°24.70'	13
14	31°01.32'	N 3°41.61'	202°27.17'	14
15	46°01.54'	N 3°40.65'	217°29.63'	15
16	61°01.76'	N 3°39.69'	232°32.10'	16
17	76°01.98'	N 3°38.73'	247°34.56'	17
18	91°02.21'	N 3°37.78'	262°37.02'	18
19	106°02.43'	N 3°36.82'	277°39.49'	19
20	121°02.65'	N 3°35.86'	292°41.95'	20
21	136°02.87'	N 3°34.91'	307°44.42'	21
22	151°03.09'	N 3°33.95'	322°46.88'	22
23	166°03.31'	N 3°32.99'	337°49.34'	23
24	181°03.54'	N 3°32.03'	352°51.81'	24
½Ø 15.9020'		p.h. (π) 0.1500'		
EoT at 12 UT +4m4s				

**15 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	181°08.87'	N 3°09.01'	353°50.95'	00
01	196°09.09'	N 3°08.05'	8°53.41'	01
02	211°09.31'	N 3°07.09'	23°55.88'	02
03	226°09.54'	N 3°06.13'	38°58.34'	03
04	241°09.76'	N 3°05.17'	54°00.80'	04
05	256°09.98'	N 3°04.21'	69°03.27'	05
06	271°10.20'	N 3°03.25'	84°05.73'	06
07	286°10.43'	N 3°02.29'	99°08.20'	07
08	301°10.65'	N 3°01.33'	114°10.66'	08
09	316°10.87'	N 3°00.37'	129°13.12'	09
10	331°11.10'	N 2°59.41'	144°15.59'	10
11	346°11.32'	N 2°58.44'	159°18.05'	11
12	1°11.54'	N 2°57.48'	174°20.52'	12
13	16°11.76'	N 2°56.52'	189°22.98'	13
14	31°11.99'	N 2°55.56'	204°25.45'	14
15	46°12.21'	N 2°54.60'	219°27.91'	15
16	61°12.43'	N 2°53.64'	234°30.37'	16
17	76°12.65'	N 2°52.67'	249°32.84'	17
18	91°12.88'	N 2°51.71'	264°35.30'	18
19	106°13.10'	N 2°50.75'	279°37.77'	19
20	121°13.32'	N 2°49.79'	294°40.23'	20
21	136°13.55'	N 2°48.83'	309°42.69'	21
22	151°13.77'	N 2°47.86'	324°45.16'	22
23	166°13.99'	N 2°46.90'	339°47.62'	23
24	181°14.21'	N 2°45.94'	354°50.09'	24
½Ø 15.9104'		p.h. (π) 0.1500'		
EoT at 12 UT +4m46s				

**14 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	181°03.54'	N 3°32.03'	352°51.81'	00
01	196°03.76'	N 3°31.07'	7°54.27'	01
02	211°03.98'	N 3°30.12'	22°56.74'	02
03	226°04.20'	N 3°29.16'	37°59.20'	03
04	241°04.42'	N 3°28.20'	53°01.67'	04
05	256°04.65'	N 3°27.24'	68°04.13'	05
06	271°04.87'	N 3°26.28'	83°06.59'	06
07	286°05.09'	N 3°25.33'	98°09.06'	07
08	301°05.31'	N 3°24.37'	113°11.52'	08
09	316°05.54'	N 3°23.41'	128°13.99'	09
10	331°05.76'	N 3°22.45'	143°16.45'	10
11	346°05.98'	N 3°21.49'	158°18.91'	11
12	1°06.20'	N 3°20.53'	173°21.38'	12
13	16°06.42'	N 3°19.57'	188°23.84'	13
14	31°06.65'	N 3°18.61'	203°26.31'	14
15	46°06.87'	N 3°17.65'	218°28.77'	15
16	61°07.09'	N 3°16.69'	233°31.23'	16
17	76°07.31'	N 3°15.73'	248°33.70'	17
18	91°07.54'	N 3°14.77'	263°36.16'	18
19	106°07.76'	N 3°13.81'	278°38.63'	19
20	121°07.98'	N 3°12.85'	293°41.09'	20
21	136°08.20'	N 3°11.89'	308°43.56'	21
22	151°08.42'	N 3°10.93'	323°46.02'	22
23	166°08.65'	N 3°09.97'	338°48.48'	23
24	181°08.87'	N 3°09.01'	353°50.95'	24
½Ø 15.9062'		p.h. (π) 0.1500'		
EoT at 12 UT +4m25s				

**16 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	181°14.21'	N 2°45.94'	354°50.09'	00
01	196°14.44'	N 2°44.97'	9°52.55'	01
02	211°14.66'	N 2°44.01'	24°55.01'	02
03	226°14.88'	N 2°43.05'	39°57.48'	03
04	241°15.10'	N 2°42.09'	54°59.94'	04
05	256°15.33'	N 2°41.12'	70°02.41'	05
06	271°15.55'	N 2°40.16'	85°04.87'	06
07	286°15.77'	N 2°39.20'	100°07.34'	07
08	301°16.00'	N 2°38.23'	115°09.80'	08
09	316°16.22'	N 2°37.27'	130°12.26'	09
10	331°16.44'	N 2°36.31'	145°14.73'	10
11	346°16.66'	N 2°35.34'	160°17.19'	11
12	1°16.89'	N 2°34.38'	175°19.66'	12
13	16°17.11'	N 2°33.41'	190°22.12'	13
14	31°17.33'	N 2°32.45'	205°24.58'	14
15	46°17.56'	N 2°31.49'	220°27.05'	15
16	61°17.78'	N 2°30.52'	235°29.51'	16
17	76°18.00'	N 2°29.56'	250°31.98'	17
18	91°18.23'	N 2°28.59'	265°34.44'	18
19	106°18.45'	N 2°27.63'	280°36.90'	19
20	121°18.67'	N 2°26.67'	295°39.37'	20
21	136°18.89'	N 2°25.70'	310°41.83'	21
22	151°19.12'	N 2°24.74'	325°44.30'	22
23	166°19.34'	N 2°23.77'	340°46.76'	23
24	181°19.56'	N 2°22.81'	355°49.23'	24
½Ø 15.9147'		p.h. (π) 0.1500'		
EoT at 12 UT +5m8s				

**17 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	181°19.56'	N 2°22.81'	355°49.23'	00
01	196°19.79'	N 2°21.84'	10°51.69'	01
02	211°20.01'	N 2°20.88'	25°54.15'	02
03	226°20.23'	N 2°19.91'	40°56.62'	03
04	241°20.46'	N 2°18.95'	55°59.08'	04
05	256°20.68'	N 2°17.98'	71°01.55'	05
06	271°20.90'	N 2°17.02'	86°04.01'	06
07	286°21.12'	N 2°16.05'	101°06.47'	07
08	301°21.35'	N 2°15.09'	116°08.94'	08
09	316°21.57'	N 2°14.12'	131°11.40'	09
10	331°21.79'	N 2°13.16'	146°13.87'	10
11	346°22.02'	N 2°12.19'	161°16.33'	11
12	1°22.24'	N 2°11.22'	176°18.79'	12
13	16°22.46'	N 2°10.26'	191°21.26'	13
14	31°22.68'	N 2°09.29'	206°23.72'	14
15	46°22.91'	N 2°08.33'	221°26.19'	15
16	61°23.13'	N 2°07.36'	236°28.65'	16
17	76°23.35'	N 2°06.39'	251°31.12'	17
18	91°23.58'	N 2°05.43'	266°33.58'	18
19	106°23.80'	N 2°04.46'	281°36.04'	19
20	121°24.02'	N 2°03.50'	296°38.51'	20
21	136°24.25'	N 2°02.53'	311°40.97'	21
22	151°24.47'	N 2°01.56'	326°43.44'	22
23	166°24.69'	N 2°00.60'	341°45.90'	23
24	181°24.91'	N 1°59.63'	356°48.36'	24
½Ø 15.9190'		p.h. (π) 0.1500'		
EoT at 12 UT +5m29s				

**19 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	181°30.26'	N 1°36.41'	357°47.50'	00
01	196°30.48'	N 1°35.44'	12°49.97'	01
02	211°30.71'	N 1°34.47'	27°52.43'	02
03	226°30.93'	N 1°33.51'	42°54.90'	03
04	241°31.15'	N 1°32.54'	57°57.36'	04
05	256°31.37'	N 1°31.57'	72°59.82'	05
06	271°31.60'	N 1°30.60'	88°02.29'	06
07	286°31.82'	N 1°29.63'	103°04.75'	07
08	301°32.04'	N 1°28.66'	118°07.22'	08
09	316°32.26'	N 1°27.69'	133°09.68'	09
10	331°32.49'	N 1°26.73'	148°12.14'	10
11	346°32.71'	N 1°25.76'	163°14.61'	11
12	1°32.93'	N 1°24.79'	178°17.07'	12
13	16°33.15'	N 1°23.82'	193°19.54'	13
14	31°33.38'	N 1°22.85'	208°22.00'	14
15	46°33.60'	N 1°21.88'	223°24.46'	15
16	61°33.82'	N 1°20.91'	238°26.93'	16
17	76°34.04'	N 1°19.94'	253°29.39'	17
18	91°34.27'	N 1°18.97'	268°31.86'	18
19	106°34.49'	N 1°18.00'	283°34.32'	19
20	121°34.71'	N 1°17.03'	298°36.79'	20
21	136°34.93'	N 1°16.06'	313°39.25'	21
22	151°35.15'	N 1°15.09'	328°41.71'	22
23	166°35.38'	N 1°14.12'	343°44.18'	23
24	181°35.60'	N 1°13.16'	358°46.64'	24
½Ø 15.9277'		p.h. (π) 0.1500'		
EoT at 12 UT +6m12s				

**18 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	181°24.91'	N 1°59.63'	356°48.36'	00
01	196°25.14'	N 1°58.66'	11°50.83'	01
02	211°25.36'	N 1°57.70'	26°53.29'	02
03	226°25.58'	N 1°56.73'	41°55.76'	03
04	241°25.81'	N 1°55.76'	56°58.22'	04
05	256°26.03'	N 1°54.80'	72°00.68'	05
06	271°26.25'	N 1°53.83'	87°03.15'	06
07	286°26.47'	N 1°52.86'	102°05.61'	07
08	301°26.70'	N 1°51.89'	117°08.08'	08
09	316°26.92'	N 1°50.93'	132°10.54'	09
10	331°27.14'	N 1°49.96'	147°13.01'	10
11	346°27.37'	N 1°48.99'	162°15.47'	11
12	1°27.59'	N 1°48.03'	177°17.93'	12
13	16°27.81'	N 1°47.06'	192°20.40'	13
14	31°28.03'	N 1°46.09'	207°22.86'	14
15	46°28.26'	N 1°45.12'	222°25.33'	15
16	61°28.48'	N 1°44.15'	237°27.79'	16
17	76°28.70'	N 1°43.19'	252°30.25'	17
18	91°28.92'	N 1°42.22'	267°32.72'	18
19	106°29.15'	N 1°41.25'	282°35.18'	19
20	121°29.37'	N 1°40.28'	297°37.65'	20
21	136°29.59'	N 1°39.32'	312°40.11'	21
22	151°29.82'	N 1°38.35'	327°42.57'	22
23	166°30.04'	N 1°37.38'	342°45.04'	23
24	181°30.26'	N 1°36.41'	357°47.50'	24
½Ø 15.9233'		p.h. (π) 0.1500'		
EoT at 12 UT +5m50s				

**20 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	181°35.60'	N 1°13.16'	358°46.64'	00
01	196°35.82'	N 1°12.19'	13°49.11'	01
02	211°36.04'	N 1°11.22'	28°51.57'	02
03	226°36.26'	N 1°10.25'	43°54.03'	03
04	241°36.49'	N 1°09.28'	58°56.50'	04
05	256°36.71'	N 1°08.31'	73°58.96'	05
06	271°36.93'	N 1°07.34'	89°01.43'	06
07	286°37.15'	N 1°06.37'	104°03.89'	07
08	301°37.37'	N 1°05.40'	119°06.35'	08
09	316°37.60'	N 1°04.43'	134°08.82'	09
10	331°37.82'	N 1°03.46'	149°11.28'	10
11	346°38.04'	N 1°02.49'	164°13.75'	11
12	1°38.26'	N 1°01.52'	179°16.21'	12
13	16°38.48'	N 1°00.55'	194°18.68'	13
14	31°38.71'	N 0°59.57'	209°21.14'	14
15	46°38.93'	N 0°58.60'	224°23.60'	15
16	61°39.15'	N 0°57.63'	239°26.07'	16
17	76°39.37'	N 0°56.66'	254°28.53'	17
18	91°39.59'	N 0°55.69'	269°31.00'	18
19	106°39.81'	N 0°54.72'	284°33.46'	19
20	121°40.04'	N 0°53.75'	299°35.92'	20
21	136°40.26'	N 0°52.78'	314°38.39'	21
22	151°40.48'	N 0°51.81'	329°40.85'	22
23	166°40.70'	N 0°50.84'	344°43.32'	23
24	181°40.92'	N 0°49.87'	359°45.78'	24
½Ø 15.9321'		p.h. (π) 0.1500'		
EoT at 12 UT +6m33s				

**21 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	181°40.92'	N 0°49.87'	359°45.78'	00
01	196°41.14'	N 0°48.90'	14°48.25'	01
02	211°41.36'	N 0°47.93'	29°50.71'	02
03	226°41.59'	N 0°46.96'	44°53.17'	03
04	241°41.81'	N 0°45.99'	59°55.64'	04
05	256°42.03'	N 0°45.01'	74°58.10'	05
06	271°42.25'	N 0°44.04'	90°00.57'	06
07	286°42.47'	N 0°43.07'	105°03.03'	07
08	301°42.69'	N 0°42.10'	120°05.49'	08
09	316°42.91'	N 0°41.13'	135°07.96'	09
10	331°43.13'	N 0°40.16'	150°10.42'	10
11	346°43.36'	N 0°39.19'	165°12.89'	11
12	1°43.58'	N 0°38.22'	180°15.35'	12
13	16°43.80'	N 0°37.24'	195°17.81'	13
14	31°44.02'	N 0°36.27'	210°20.28'	14
15	46°44.24'	N 0°35.30'	225°22.74'	15
16	61°44.46'	N 0°34.33'	240°25.21'	16
17	76°44.68'	N 0°33.36'	255°27.67'	17
18	91°44.90'	N 0°32.39'	270°30.14'	18
19	106°45.12'	N 0°31.42'	285°32.60'	19
20	121°45.34'	N 0°30.44'	300°35.06'	20
21	136°45.56'	N 0°29.47'	315°37.53'	21
22	151°45.79'	N 0°28.50'	330°39.99'	22
23	166°46.01'	N 0°27.53'	345°42.46'	23
24	181°46.23'	N 0°26.56'	0°44.92'	24
½Ø 15.9365'		p.h. (π) 0.1500'		
EoT at 12 UT +6m54s				

**23 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	181°51.51'	N 0°03.23'	1°44.06'	00
01	196°51.73'	N 0°02.25'	16°46.52'	01
02	211°51.95'	N 0°01.28'	31°48.99'	02
03	226°52.16'	N 0°00.31'	46°51.45'	03
04	241°52.38'	S 0°00.66'	61°53.92'	04
05	256°52.60'	S 0°01.64'	76°56.38'	05
06	271°52.82'	S 0°02.61'	91°58.84'	06
07	286°53.04'	S 0°03.58'	107°01.31'	07
08	301°53.26'	S 0°04.55'	122°03.77'	08
09	316°53.48'	S 0°05.53'	137°06.24'	09
10	331°53.70'	S 0°06.50'	152°08.70'	10
11	346°53.92'	S 0°07.47'	167°11.16'	11
12	1°54.14'	S 0°08.44'	182°13.63'	12
13	16°54.35'	S 0°09.42'	197°16.09'	13
14	31°54.57'	S 0°10.39'	212°18.56'	14
15	46°54.79'	S 0°11.36'	227°21.02'	15
16	61°55.01'	S 0°12.34'	242°23.48'	16
17	76°55.23'	S 0°13.31'	257°25.95'	17
18	91°55.45'	S 0°14.28'	272°28.41'	18
19	106°55.67'	S 0°15.25'	287°30.88'	19
20	121°55.88'	S 0°16.23'	302°33.34'	20
21	136°56.10'	S 0°17.20'	317°35.81'	21
22	151°56.32'	S 0°18.17'	332°38.27'	22
23	166°56.54'	S 0°19.15'	347°40.73'	23
24	181°56.76'	S 0°20.12'	2°43.20'	24
½Ø 15.9454'		p.h. (π) 0.1500'		
EoT at 12 UT +7m37s				

**22 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	181°46.23'	N 0°26.56'	0°44.92'	00
01	196°46.45'	N 0°25.59'	15°47.38'	01
02	211°46.67'	N 0°24.61'	30°49.85'	02
03	226°46.89'	N 0°23.64'	45°52.31'	03
04	241°47.11'	N 0°22.67'	60°54.78'	04
05	256°47.33'	N 0°21.70'	75°57.24'	05
06	271°47.55'	N 0°20.73'	90°59.70'	06
07	286°47.77'	N 0°19.75'	106°02.17'	07
08	301°47.99'	N 0°18.78'	121°04.63'	08
09	316°48.21'	N 0°17.81'	136°07.10'	09
10	331°48.43'	N 0°16.84'	151°09.56'	10
11	346°48.65'	N 0°15.87'	166°12.03'	11
12	1°48.87'	N 0°14.89'	181°14.49'	12
13	16°49.09'	N 0°13.92'	196°16.95'	13
14	31°49.31'	N 0°12.95'	211°19.42'	14
15	46°49.53'	N 0°11.98'	226°21.88'	15
16	61°49.75'	N 0°11.01'	241°24.35'	16
17	76°49.97'	N 0°10.03'	256°26.81'	17
18	91°50.19'	N 0°09.06'	271°29.27'	18
19	106°50.41'	N 0°08.09'	286°31.74'	19
20	121°50.63'	N 0°07.12'	301°34.20'	20
21	136°50.85'	N 0°06.14'	316°36.67'	21
22	151°51.07'	N 0°05.17'	331°39.13'	22
23	166°51.29'	N 0°04.20'	346°41.59'	23
24	181°51.51'	N 0°03.23'	1°44.06'	24
½Ø 15.9409'		p.h. (π) 0.1500'		
EoT at 12 UT +7m15s				

**24 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	181°56.76'	S 0°20.12'	2°43.20'	00
01	196°56.98'	S 0°21.09'	17°45.66'	01
02	211°57.19'	S 0°22.06'	32°48.13'	02
03	226°57.41'	S 0°23.04'	47°50.59'	03
04	241°57.63'	S 0°24.01'	62°53.05'	04
05	256°57.85'	S 0°24.98'	77°55.52'	05
06	271°58.06'	S 0°25.96'	92°57.98'	06
07	286°58.28'	S 0°26.93'	108°00.45'	07
08	301°58.50'	S 0°27.90'	123°02.91'	08
09	316°58.72'	S 0°28.87'	138°05.37'	09
10	331°58.94'	S 0°29.85'	153°07.84'	10
11	346°59.15'	S 0°30.82'	168°10.30'	11
12	1°59.37'	S 0°31.79'	183°12.77'	12
13	16°59.59'	S 0°32.77'	198°15.23'	13
14	31°59.80'	S 0°33.74'	213°17.70'	14
15	47°00.02'	S 0°34.71'	228°20.16'	15
16	62°00.24'	S 0°35.69'	243°22.62'	16
17	77°00.46'	S 0°36.66'	258°25.09'	17
18	92°00.67'	S 0°37.63'	273°27.55'	18
19	107°00.89'	S 0°38.61'	288°30.02'	19
20	122°01.11'	S 0°39.58'	303°32.48'	20
21	137°01.32'	S 0°40.55'	318°34.94'	21
22	152°01.54'	S 0°41.52'	333°37.41'	22
23	167°01.76'	S 0°42.50'	348°39.87'	23
24	182°01.97'	S 0°43.47'	3°42.34'	24
½Ø 15.9498'		p.h. (π) 0.1500'		
EoT at 12 UT +7m57s				

**25 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	182°01.97'	S 0°43.47'	3°42.34'	00
01	197°02.19'	S 0°44.44'	18°44.80'	01
02	212°02.41'	S 0°45.42'	33°47.26'	02
03	227°02.62'	S 0°46.39'	48°49.73'	03
04	242°02.84'	S 0°47.36'	63°52.19'	04
05	257°03.06'	S 0°48.34'	78°54.66'	05
06	272°03.27'	S 0°49.31'	93°57.12'	06
07	287°03.49'	S 0°50.28'	108°59.59'	07
08	302°03.70'	S 0°51.26'	124°02.05'	08
09	317°03.92'	S 0°52.23'	139°04.51'	09
10	332°04.14'	S 0°53.20'	154°06.98'	10
11	347°04.35'	S 0°54.18'	169°09.44'	11
12	2°04.57'	S 0°55.15'	184°11.91'	12
13	17°04.78'	S 0°56.12'	199°14.37'	13
14	32°05.00'	S 0°57.09'	214°16.83'	14
15	47°05.21'	S 0°58.07'	229°19.30'	15
16	62°05.43'	S 0°59.04'	244°21.76'	16
17	77°05.64'	S 1°00.01'	259°24.23'	17
18	92°05.86'	S 1°00.99'	274°26.69'	18
19	107°06.08'	S 1°01.96'	289°29.15'	19
20	122°06.29'	S 1°02.93'	304°31.62'	20
21	137°06.51'	S 1°03.91'	319°34.08'	21
22	152°06.72'	S 1°04.88'	334°36.55'	22
23	167°06.94'	S 1°05.85'	349°39.01'	23
24	182°07.15'	S 1°06.83'	4°41.48'	24
½Ø 15.9543'		p.h. (π) 0.1500'		
EoT at 12 UT +8m18s				

**27 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	182°12.28'	S 1°30.18'	5°40.61'	00
01	197°12.49'	S 1°31.15'	20°43.08'	01
02	212°12.71'	S 1°32.12'	35°45.54'	02
03	227°12.92'	S 1°33.10'	50°48.01'	03
04	242°13.13'	S 1°34.07'	65°50.47'	04
05	257°13.35'	S 1°35.04'	80°52.93'	05
06	272°13.56'	S 1°36.01'	95°55.40'	06
07	287°13.77'	S 1°36.99'	110°57.86'	07
08	302°13.98'	S 1°37.96'	126°00.33'	08
09	317°14.19'	S 1°38.93'	141°02.79'	09
10	332°14.41'	S 1°39.91'	156°05.26'	10
11	347°14.62'	S 1°40.88'	171°07.72'	11
12	2°14.83'	S 1°41.85'	186°10.18'	12
13	17°15.04'	S 1°42.82'	201°12.65'	13
14	32°15.25'	S 1°43.80'	216°15.11'	14
15	47°15.46'	S 1°44.77'	231°17.58'	15
16	62°15.68'	S 1°45.74'	246°20.04'	16
17	77°15.89'	S 1°46.71'	261°22.50'	17
18	92°16.10'	S 1°47.69'	276°24.97'	18
19	107°16.31'	S 1°48.66'	291°27.43'	19
20	122°16.52'	S 1°49.63'	306°29.90'	20
21	137°16.73'	S 1°50.60'	321°32.36'	21
22	152°16.94'	S 1°51.58'	336°34.82'	22
23	167°17.15'	S 1°52.55'	351°37.29'	23
24	182°17.36'	S 1°53.52'	6°39.75'	24
½Ø 15.9633'		p.h. (π) 0.1500'		
EoT at 12 UT +8m59s				

**26 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	182°07.15'	S 1°06.83'	4°41.48'	00
01	197°07.37'	S 1°07.80'	19°43.94'	01
02	212°07.58'	S 1°08.77'	34°46.40'	02
03	227°07.79'	S 1°09.75'	49°48.87'	03
04	242°08.01'	S 1°10.72'	64°51.33'	04
05	257°08.22'	S 1°11.69'	79°53.80'	05
06	272°08.44'	S 1°12.66'	94°56.26'	06
07	287°08.65'	S 1°13.64'	109°58.72'	07
08	302°08.87'	S 1°14.61'	125°01.19'	08
09	317°09.08'	S 1°15.58'	140°03.65'	09
10	332°09.29'	S 1°16.56'	155°06.12'	10
11	347°09.51'	S 1°17.53'	170°08.58'	11
12	2°09.72'	S 1°18.50'	185°11.04'	12
13	17°09.94'	S 1°19.48'	200°13.51'	13
14	32°10.15'	S 1°20.45'	215°15.97'	14
15	47°10.36'	S 1°21.42'	230°18.44'	15
16	62°10.58'	S 1°22.39'	245°20.90'	16
17	77°10.79'	S 1°23.37'	260°23.37'	17
18	92°11.00'	S 1°24.34'	275°25.83'	18
19	107°11.22'	S 1°25.31'	290°28.29'	19
20	122°11.43'	S 1°26.29'	305°30.76'	20
21	137°11.64'	S 1°27.26'	320°33.22'	21
22	152°11.86'	S 1°28.23'	335°35.69'	22
23	167°12.07'	S 1°29.21'	350°38.15'	23
24	182°12.28'	S 1°30.18'	5°40.61'	24
½Ø 15.9588'		p.h. (π) 0.1500'		
EoT at 12 UT +8m39s				

**28 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	182°17.36'	S 1°53.52'	6°39.75'	00
01	197°17.57'	S 1°54.49'	21°42.22'	01
02	212°17.79'	S 1°55.47'	36°44.68'	02
03	227°18.00'	S 1°56.44'	51°47.15'	03
04	242°18.21'	S 1°57.41'	66°49.61'	04
05	257°18.42'	S 1°58.38'	81°52.07'	05
06	272°18.63'	S 1°59.35'	96°54.54'	06
07	287°18.84'	S 2°00.33'	111°57.00'	07
08	302°19.05'	S 2°01.30'	126°59.47'	08
09	317°19.26'	S 2°02.27'	142°01.93'	09
10	332°19.47'	S 2°03.24'	157°04.39'	10
11	347°19.68'	S 2°04.22'	172°06.86'	11
12	2°19.88'	S 2°05.19'	187°09.32'	12
13	17°20.09'	S 2°06.16'	202°11.79'	13
14	32°20.30'	S 2°07.13'	217°14.25'	14
15	47°20.51'	S 2°08.10'	232°16.71'	15
16	62°20.72'	S 2°09.07'	247°19.18'	16
17	77°20.93'	S 2°10.05'	262°21.64'	17
18	92°21.14'	S 2°11.02'	277°24.11'	18
19	107°21.35'	S 2°11.99'	292°26.57'	19
20	122°21.56'	S 2°12.96'	307°29.04'	20
21	137°21.77'	S 2°13.93'	322°31.50'	21
22	152°21.97'	S 2°14.91'	337°33.96'	22
23	167°22.18'	S 2°15.88'	352°36.43'	23
24	182°22.39'	S 2°16.85'	7°38.89'	24
½Ø 15.9679'		p.h. (π) 0.1500'		
EoT at 12 UT +9m20s				

**29 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	182°22.39'	S 2°16.85'	7°38.89'	00
01	197°22.60'	S 2°17.82'	22°41.36'	01
02	212°22.81'	S 2°18.79'	37°43.82'	02
03	227°23.02'	S 2°19.76'	52°46.28'	03
04	242°23.22'	S 2°20.74'	67°48.75'	04
05	257°23.43'	S 2°21.71'	82°51.21'	05
06	272°23.64'	S 2°22.68'	97°53.68'	06
07	287°23.85'	S 2°23.65'	112°56.14'	07
08	302°24.05'	S 2°24.62'	127°58.60'	08
09	317°24.26'	S 2°25.59'	143°01.07'	09
10	332°24.47'	S 2°26.56'	158°03.53'	10
11	347°24.68'	S 2°27.53'	173°06.00'	11
12	2°24.88'	S 2°28.51'	188°08.46'	12
13	17°25.09'	S 2°29.48'	203°10.93'	13
14	32°25.30'	S 2°30.45'	218°13.39'	14
15	47°25.50'	S 2°31.42'	233°15.85'	15
16	62°25.71'	S 2°32.39'	248°18.32'	16
17	77°25.92'	S 2°33.36'	263°20.78'	17
18	92°26.12'	S 2°34.33'	278°23.25'	18
19	107°26.33'	S 2°35.30'	293°25.71'	19
20	122°26.53'	S 2°36.27'	308°28.17'	20
21	137°26.74'	S 2°37.24'	323°30.64'	21
22	152°26.95'	S 2°38.22'	338°33.10'	22
23	167°27.15'	S 2°39.19'	353°35.57'	23
24	182°27.36'	S 2°40.16'	8°38.03'	24
½Ø 15.9724'		p.h. (π) 0.1500'		
EoT at 12 UT +9m40s				

**30 septembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	182°27.36'	S 2°40.16'	8°38.03'	00
01	197°27.56'	S 2°41.13'	23°40.49'	01
02	212°27.77'	S 2°42.10'	38°42.96'	02
03	227°27.97'	S 2°43.07'	53°45.42'	03
04	242°28.18'	S 2°44.04'	68°47.89'	04
05	257°28.38'	S 2°45.01'	83°50.35'	05
06	272°28.59'	S 2°45.98'	98°52.82'	06
07	287°28.79'	S 2°46.95'	113°55.28'	07
08	302°29.00'	S 2°47.92'	128°57.74'	08
09	317°29.20'	S 2°48.89'	144°00.21'	09
10	332°29.41'	S 2°49.86'	159°02.67'	10
11	347°29.61'	S 2°50.83'	174°05.14'	11
12	2°29.82'	S 2°51.80'	189°07.60'	12
13	17°30.02'	S 2°52.77'	204°10.06'	13
14	32°30.23'	S 2°53.74'	219°12.53'	14
15	47°30.43'	S 2°54.71'	234°14.99'	15
16	62°30.63'	S 2°55.68'	249°17.46'	16
17	77°30.84'	S 2°56.65'	264°19.92'	17
18	92°31.04'	S 2°57.62'	279°22.38'	18
19	107°31.24'	S 2°58.59'	294°24.85'	19
20	122°31.45'	S 2°59.56'	309°27.31'	20
21	137°31.65'	S 3°00.53'	324°29.78'	21
22	152°31.85'	S 3°01.50'	339°32.24'	22
23	167°32.06'	S 3°02.47'	354°34.71'	23
24	182°32.26'	S 3°03.44'	9°37.17'	24
½Ø 15.9770'		p.h. (π) 0.1500'		
EoT at 12 UT +9m59s				



**1er octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	182°32.26'	S 3°03.44'	9°37.17'	00
01	197°32.46'	S 3°04.41'	24°39.63'	01
02	212°32.66'	S 3°05.38'	39°42.10'	02
03	227°32.87'	S 3°06.35'	54°44.56'	03
04	242°33.07'	S 3°07.31'	69°47.03'	04
05	257°33.27'	S 3°08.28'	84°49.49'	05
06	272°33.47'	S 3°09.25'	99°51.95'	06
07	287°33.68'	S 3°10.22'	114°54.42'	07
08	302°33.88'	S 3°11.19'	129°56.88'	08
09	317°34.08'	S 3°12.16'	144°59.35'	09
10	332°34.28'	S 3°13.13'	160°01.81'	10
11	347°34.48'	S 3°14.10'	175°04.27'	11
12	2°34.68'	S 3°15.07'	190°06.74'	12
13	17°34.89'	S 3°16.03'	205°09.20'	13
14	32°35.09'	S 3°17.00'	220°11.67'	14
15	47°35.29'	S 3°17.97'	235°14.13'	15
16	62°35.49'	S 3°18.94'	250°16.60'	16
17	77°35.69'	S 3°19.91'	265°19.06'	17
18	92°35.89'	S 3°20.88'	280°21.52'	18
19	107°36.09'	S 3°21.85'	295°23.99'	19
20	122°36.29'	S 3°22.81'	310°26.45'	20
21	137°36.49'	S 3°23.78'	325°28.92'	21
22	152°36.69'	S 3°24.75'	340°31.38'	22
23	167°36.89'	S 3°25.72'	355°33.84'	23
24	182°37.09'	S 3°26.69'	10°36.31'	24
½Ø 15.9815'		p.h. (π) 0.1500'		
EoT at 12 UT +10m19s				

**3 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	182°41.85'	S 3°49.90'	11°35.45'	00
01	197°42.04'	S 3°50.86'	26°37.91'	01
02	212°42.24'	S 3°51.83'	41°40.38'	02
03	227°42.44'	S 3°52.79'	56°42.84'	03
04	242°42.63'	S 3°53.76'	71°45.30'	04
05	257°42.83'	S 3°54.73'	86°47.77'	05
06	272°43.02'	S 3°55.69'	101°50.23'	06
07	287°43.22'	S 3°56.66'	116°52.70'	07
08	302°43.41'	S 3°57.62'	131°55.16'	08
09	317°43.61'	S 3°58.59'	146°57.62'	09
10	332°43.80'	S 3°59.55'	162°00.09'	10
11	347°44.00'	S 4°00.52'	177°02.55'	11
12	2°44.19'	S 4°01.49'	192°05.02'	12
13	17°44.39'	S 4°02.45'	207°07.48'	13
14	32°44.58'	S 4°03.42'	222°09.94'	14
15	47°44.78'	S 4°04.38'	237°12.41'	15
16	62°44.97'	S 4°05.35'	252°14.87'	16
17	77°45.17'	S 4°06.31'	267°17.34'	17
18	92°45.36'	S 4°07.28'	282°19.80'	18
19	107°45.56'	S 4°08.24'	297°22.27'	19
20	122°45.75'	S 4°09.21'	312°24.73'	20
21	137°45.94'	S 4°10.17'	327°27.19'	21
22	152°46.14'	S 4°11.13'	342°29.66'	22
23	167°46.33'	S 4°12.10'	357°32.12'	23
24	182°46.52'	S 4°13.06'	12°34.59'	24
½Ø 15.9907'		p.h. (π) 0.1500'		
EoT at 12 UT +10m57s				

**2 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	182°37.09'	S 3°26.69'	10°36.31'	00
01	197°37.29'	S 3°27.65'	25°38.77'	01
02	212°37.49'	S 3°28.62'	40°41.24'	02
03	227°37.69'	S 3°29.59'	55°43.70'	03
04	242°37.89'	S 3°30.56'	70°46.16'	04
05	257°38.09'	S 3°31.52'	85°48.63'	05
06	272°38.29'	S 3°32.49'	100°51.09'	06
07	287°38.49'	S 3°33.46'	115°53.56'	07
08	302°38.68'	S 3°34.43'	130°56.02'	08
09	317°38.88'	S 3°35.39'	145°58.49'	09
10	332°39.08'	S 3°36.36'	161°00.95'	10
11	347°39.28'	S 3°37.33'	176°03.41'	11
12	2°39.48'	S 3°38.30'	191°05.88'	12
13	17°39.68'	S 3°39.26'	206°08.34'	13
14	32°39.87'	S 3°40.23'	221°10.81'	14
15	47°40.07'	S 3°41.20'	236°13.27'	15
16	62°40.27'	S 3°42.16'	251°15.73'	16
17	77°40.47'	S 3°43.13'	266°18.20'	17
18	92°40.67'	S 3°44.10'	281°20.66'	18
19	107°40.86'	S 3°45.06'	296°23.13'	19
20	122°41.06'	S 3°46.03'	311°25.59'	20
21	137°41.26'	S 3°47.00'	326°28.05'	21
22	152°41.45'	S 3°47.96'	341°30.52'	22
23	167°41.65'	S 3°48.93'	356°32.98'	23
24	182°41.85'	S 3°49.90'	11°35.45'	24
½Ø 15.9861'		p.h. (π) 0.1500'		
EoT at 12 UT +10m38s				

**4 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	182°46.52'	S 4°13.06'	12°34.59'	00
01	197°46.72'	S 4°14.03'	27°37.05'	01
02	212°46.91'	S 4°14.99'	42°39.51'	02
03	227°47.10'	S 4°15.96'	57°41.98'	03
04	242°47.29'	S 4°16.92'	72°44.44'	04
05	257°47.49'	S 4°17.88'	87°46.91'	05
06	272°47.68'	S 4°18.85'	102°49.37'	06
07	287°47.87'	S 4°19.81'	117°51.83'	07
08	302°48.06'	S 4°20.77'	132°54.30'	08
09	317°48.25'	S 4°21.74'	147°56.76'	09
10	332°48.45'	S 4°22.70'	162°59.23'	10
11	347°48.64'	S 4°23.66'	178°01.69'	11
12	2°48.83'	S 4°24.63'	193°04.16'	12
13	17°49.02'	S 4°25.59'	208°06.62'	13
14	32°49.21'	S 4°26.55'	223°09.08'	14
15	47°49.40'	S 4°27.52'	238°11.55'	15
16	62°49.59'	S 4°28.48'	253°14.01'	16
17	77°49.78'	S 4°29.44'	268°16.48'	17
18	92°49.97'	S 4°30.41'	283°18.94'	18
19	107°50.16'	S 4°31.37'	298°21.40'	19
20	122°50.35'	S 4°32.33'	313°23.87'	20
21	137°50.54'	S 4°33.29'	328°26.33'	21
22	152°50.73'	S 4°34.25'	343°28.80'	22
23	167°50.92'	S 4°35.22'	358°31.26'	23
24	182°51.11'	S 4°36.18'	13°33.72'	24
½Ø 15.9953'		p.h. (π) 0.1500'		
EoT at 12 UT +11m15s				

**5 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	182°51.11'	S 4°36.18'	13°33.72'	00
01	197°51.30'	S 4°37.14'	28°36.19'	01
02	212°51.49'	S 4°38.10'	43°38.65'	02
03	227°51.68'	S 4°39.06'	58°41.12'	03
04	242°51.87'	S 4°40.03'	73°43.58'	04
05	257°52.06'	S 4°40.99'	88°46.05'	05
06	272°52.25'	S 4°41.95'	103°48.51'	06
07	287°52.43'	S 4°42.91'	118°50.97'	07
08	302°52.62'	S 4°43.87'	133°53.44'	08
09	317°52.81'	S 4°44.83'	148°55.90'	09
10	332°53.00'	S 4°45.79'	163°58.37'	10
11	347°53.19'	S 4°46.76'	179°00.83'	11
12	2°53.37'	S 4°47.72'	194°03.29'	12
13	17°53.56'	S 4°48.68'	209°05.76'	13
14	32°53.75'	S 4°49.64'	224°08.22'	14
15	47°53.94'	S 4°50.60'	239°10.69'	15
16	62°54.12'	S 4°51.56'	254°13.15'	16
17	77°54.31'	S 4°52.52'	269°15.61'	17
18	92°54.50'	S 4°53.48'	284°18.08'	18
19	107°54.68'	S 4°54.44'	299°20.54'	19
20	122°54.87'	S 4°55.40'	314°23.01'	20
21	137°55.05'	S 4°56.36'	329°25.47'	21
22	152°55.24'	S 4°57.32'	344°27.94'	22
23	167°55.43'	S 4°58.28'	359°30.40'	23
24	182°55.61'	S 4°59.24'	14°32.86'	24
½Ø 15.9999'		p.h. (π) 0.1500'		
EoT at 12 UT +11m33s				

**7 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°00.02'	S 5°22.24'	15°32.00'	00
01	198°00.20'	S 5°23.19'	30°34.47'	01
02	213°00.38'	S 5°24.15'	45°36.93'	02
03	228°00.56'	S 5°25.11'	60°39.39'	03
04	243°00.74'	S 5°26.06'	75°41.86'	04
05	258°00.92'	S 5°27.02'	90°44.32'	05
06	273°01.10'	S 5°27.98'	105°46.79'	06
07	288°01.28'	S 5°28.93'	120°49.25'	07
08	303°01.46'	S 5°29.89'	135°51.72'	08
09	318°01.64'	S 5°30.84'	150°54.18'	09
10	333°01.82'	S 5°31.80'	165°56.64'	10
11	348°02.00'	S 5°32.76'	180°59.11'	11
12	3°02.18'	S 5°33.71'	196°01.57'	12
13	18°02.36'	S 5°34.67'	211°04.04'	13
14	33°02.54'	S 5°35.62'	226°06.50'	14
15	48°02.72'	S 5°36.58'	241°08.96'	15
16	63°02.90'	S 5°37.53'	256°11.43'	16
17	78°03.08'	S 5°38.49'	271°13.89'	17
18	93°03.25'	S 5°39.44'	286°16.36'	18
19	108°03.43'	S 5°40.40'	301°18.82'	19
20	123°03.61'	S 5°41.35'	316°21.28'	20
21	138°03.79'	S 5°42.31'	331°23.75'	21
22	153°03.97'	S 5°43.26'	346°26.21'	22
23	168°04.14'	S 5°44.21'	1°28.68'	23
24	183°04.32'	S 5°45.17'	16°31.14'	24
½Ø 16.0091'		p.h. (π) 0.1500'		
EoT at 12 UT +12m9s				

**6 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	182°55.61'	S 4°59.24'	14°32.86'	00
01	197°55.80'	S 5°00.20'	29°35.33'	01
02	212°55.98'	S 5°01.16'	44°37.79'	02
03	227°56.17'	S 5°02.12'	59°40.26'	03
04	242°56.35'	S 5°03.08'	74°42.72'	04
05	257°56.54'	S 5°04.04'	89°45.18'	05
06	272°56.72'	S 5°04.99'	104°47.65'	06
07	287°56.91'	S 5°05.95'	119°50.11'	07
08	302°57.09'	S 5°06.91'	134°52.58'	08
09	317°57.27'	S 5°07.87'	149°55.04'	09
10	332°57.46'	S 5°08.83'	164°57.50'	10
11	347°57.64'	S 5°09.79'	179°59.97'	11
12	2°57.83'	S 5°10.75'	195°02.43'	12
13	17°58.01'	S 5°11.70'	210°04.90'	13
14	32°58.19'	S 5°12.66'	225°07.36'	14
15	47°58.38'	S 5°13.62'	240°09.83'	15
16	62°58.56'	S 5°14.58'	255°12.29'	16
17	77°58.74'	S 5°15.54'	270°14.75'	17
18	92°58.92'	S 5°16.49'	285°17.22'	18
19	107°59.11'	S 5°17.45'	300°19.68'	19
20	122°59.29'	S 5°18.41'	315°22.15'	20
21	137°59.47'	S 5°19.37'	330°24.61'	21
22	152°59.65'	S 5°20.32'	345°27.07'	22
23	167°59.83'	S 5°21.28'	0°29.54'	23
24	183°00.02'	S 5°22.24'	15°32.00'	24
½Ø 16.0045'		p.h. (π) 0.1500'		
EoT at 12 UT +11m51s				

**8 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°04.32'	S 5°45.17'	16°31.14'	00
01	198°04.50'	S 5°46.12'	31°33.61'	01
02	213°04.67'	S 5°47.07'	46°36.07'	02
03	228°04.85'	S 5°48.03'	61°38.53'	03
04	243°05.03'	S 5°48.98'	76°41.00'	04
05	258°05.20'	S 5°49.94'	91°43.46'	05
06	273°05.38'	S 5°50.89'	106°45.93'	06
07	288°05.56'	S 5°51.84'	121°48.39'	07
08	303°05.73'	S 5°52.79'	136°50.85'	08
09	318°05.91'	S 5°53.75'	151°53.32'	09
10	333°06.08'	S 5°54.70'	166°55.78'	10
11	348°06.26'	S 5°55.65'	181°58.25'	11
12	3°06.43'	S 5°56.60'	197°00.71'	12
13	18°06.61'	S 5°57.56'	212°03.17'	13
14	33°06.78'	S 5°58.51'	227°05.64'	14
15	48°06.96'	S 5°59.46'	242°08.10'	15
16	63°07.13'	S 6°00.41'	257°10.57'	16
17	78°07.30'	S 6°01.36'	272°13.03'	17
18	93°07.48'	S 6°02.32'	287°15.50'	18
19	108°07.65'	S 6°03.27'	302°17.96'	19
20	123°07.83'	S 6°04.22'	317°20.42'	20
21	138°08.00'	S 6°05.17'	332°22.89'	21
22	153°08.17'	S 6°06.12'	347°25.35'	22
23	168°08.35'	S 6°07.07'	2°27.82'	23
24	183°08.52'	S 6°08.02'	17°30.28'	24
½Ø 16.0137'		p.h. (π) 0.1500'		
EoT at 12 UT +12m26s				

**9 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°08.52'	S 6°08.02'	17°30.28'	00
01	198°08.69'	S 6°08.97'	32°32.74'	01
02	213°08.86'	S 6°09.92'	47°35.21'	02
03	228°09.04'	S 6°10.87'	62°37.67'	03
04	243°09.21'	S 6°11.82'	77°40.14'	04
05	258°09.38'	S 6°12.77'	92°42.60'	05
06	273°09.55'	S 6°13.72'	107°45.06'	06
07	288°09.72'	S 6°14.67'	122°47.53'	07
08	303°09.89'	S 6°15.62'	137°49.99'	08
09	318°10.06'	S 6°16.57'	152°52.46'	09
10	333°10.24'	S 6°17.52'	167°54.92'	10
11	348°10.41'	S 6°18.47'	182°57.39'	11
12	3°10.58'	S 6°19.42'	197°59.85'	12
13	18°10.75'	S 6°20.37'	213°02.31'	13
14	33°10.92'	S 6°21.32'	228°04.78'	14
15	48°11.09'	S 6°22.27'	243°07.24'	15
16	63°11.26'	S 6°23.22'	258°09.71'	16
17	78°11.43'	S 6°24.16'	273°12.17'	17
18	93°11.60'	S 6°25.11'	288°14.63'	18
19	108°11.76'	S 6°26.06'	303°17.10'	19
20	123°11.93'	S 6°27.01'	318°19.56'	20
21	138°12.10'	S 6°27.96'	333°22.03'	21
22	153°12.27'	S 6°28.90'	348°24.49'	22
23	168°12.44'	S 6°29.85'	3°26.95'	23
24	183°12.61'	S 6°30.80'	18°29.42'	24
½Ø 16.0183'		p.h. (π) 0.1500'		
EoT at 12 UT +12m42s				

**11 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°16.58'	S 6°53.49'	19°28.56'	00
01	198°16.74'	S 6°54.43'	34°31.02'	01
02	213°16.91'	S 6°55.37'	49°33.49'	02
03	228°17.07'	S 6°56.32'	64°35.95'	03
04	243°17.23'	S 6°57.26'	79°38.41'	04
05	258°17.39'	S 6°58.20'	94°40.88'	05
06	273°17.56'	S 6°59.15'	109°43.34'	06
07	288°17.72'	S 7°00.09'	124°45.81'	07
08	303°17.88'	S 7°01.03'	139°48.27'	08
09	318°18.04'	S 7°01.97'	154°50.73'	09
10	333°18.20'	S 7°02.91'	169°53.20'	10
11	348°18.36'	S 7°03.86'	184°55.66'	11
12	3°18.52'	S 7°04.80'	199°58.13'	12
13	18°18.68'	S 7°05.74'	215°00.59'	13
14	33°18.84'	S 7°06.68'	230°03.06'	14
15	48°19.00'	S 7°07.62'	245°05.52'	15
16	63°19.16'	S 7°08.56'	260°07.98'	16
17	78°19.32'	S 7°09.50'	275°10.45'	17
18	93°19.48'	S 7°10.44'	290°12.91'	18
19	108°19.64'	S 7°11.38'	305°15.38'	19
20	123°19.80'	S 7°12.32'	320°17.84'	20
21	138°19.96'	S 7°13.26'	335°20.30'	21
22	153°20.12'	S 7°14.20'	350°22.77'	22
23	168°20.28'	S 7°15.14'	5°25.23'	23
24	183°20.43'	S 7°16.08'	20°27.70'	24
½Ø 16.0275'		p.h. (π) 0.1500'		
EoT at 12 UT +13m14s				

**10 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°12.61'	S 6°30.80'	18°29.42'	00
01	198°12.77'	S 6°31.75'	33°31.88'	01
02	213°12.94'	S 6°32.69'	48°34.35'	02
03	228°13.11'	S 6°33.64'	63°36.81'	03
04	243°13.28'	S 6°34.59'	78°39.28'	04
05	258°13.44'	S 6°35.53'	93°41.74'	05
06	273°13.61'	S 6°36.48'	108°44.20'	06
07	288°13.78'	S 6°37.43'	123°46.67'	07
08	303°13.94'	S 6°38.37'	138°49.13'	08
09	318°14.11'	S 6°39.32'	153°51.60'	09
10	333°14.28'	S 6°40.26'	168°54.06'	10
11	348°14.44'	S 6°41.21'	183°56.52'	11
12	3°14.61'	S 6°42.15'	198°58.99'	12
13	18°14.77'	S 6°43.10'	214°01.45'	13
14	33°14.94'	S 6°44.04'	229°03.92'	14
15	48°15.10'	S 6°44.99'	244°06.38'	15
16	63°15.27'	S 6°45.93'	259°08.84'	16
17	78°15.43'	S 6°46.88'	274°11.31'	17
18	93°15.60'	S 6°47.82'	289°13.77'	18
19	108°15.76'	S 6°48.77'	304°16.24'	19
20	123°15.93'	S 6°49.71'	319°18.70'	20
21	138°16.09'	S 6°50.66'	334°21.17'	21
22	153°16.25'	S 6°51.60'	349°23.63'	22
23	168°16.42'	S 6°52.54'	4°26.09'	23
24	183°16.58'	S 6°53.49'	19°28.56'	24
½Ø 16.0229'		p.h. (π) 0.1500'		
EoT at 12 UT +12m58s				

**12 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°20.43'	S 7°16.08'	20°27.70'	00
01	198°20.59'	S 7°17.02'	35°30.16'	01
02	213°20.75'	S 7°17.96'	50°32.62'	02
03	228°20.91'	S 7°18.90'	65°35.09'	03
04	243°21.06'	S 7°19.84'	80°37.55'	04
05	258°21.22'	S 7°20.78'	95°40.02'	05
06	273°21.38'	S 7°21.72'	110°42.48'	06
07	288°21.53'	S 7°22.66'	125°44.95'	07
08	303°21.69'	S 7°23.59'	140°47.41'	08
09	318°21.85'	S 7°24.53'	155°49.87'	09
10	333°22.00'	S 7°25.47'	170°52.34'	10
11	348°22.16'	S 7°26.41'	185°54.80'	11
12	3°22.31'	S 7°27.35'	200°57.27'	12
13	18°22.47'	S 7°28.28'	215°59.73'	13
14	33°22.62'	S 7°29.22'	231°02.19'	14
15	48°22.78'	S 7°30.16'	246°04.66'	15
16	63°22.93'	S 7°31.09'	261°07.12'	16
17	78°23.09'	S 7°32.03'	276°09.59'	17
18	93°23.24'	S 7°32.97'	291°12.05'	18
19	108°23.40'	S 7°33.90'	306°14.51'	19
20	123°23.55'	S 7°34.84'	321°16.98'	20
21	138°23.70'	S 7°35.77'	336°19.44'	21
22	153°23.86'	S 7°36.71'	351°21.91'	22
23	168°24.01'	S 7°37.65'	6°24.37'	23
24	183°24.16'	S 7°38.58'	21°26.84'	24
½Ø 16.0321'		p.h. (π) 0.1500'		
EoT at 12 UT +13m29s				

**13 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°24.16'	S 7°38.58'	21°26.84'	00
01	198°24.32'	S 7°39.52'	36°29.30'	01
02	213°24.47'	S 7°40.45'	51°31.76'	02
03	228°24.62'	S 7°41.39'	66°34.23'	03
04	243°24.77'	S 7°42.32'	81°36.69'	04
05	258°24.92'	S 7°43.25'	96°39.16'	05
06	273°25.08'	S 7°44.19'	111°41.62'	06
07	288°25.23'	S 7°45.12'	126°44.08'	07
08	303°25.38'	S 7°46.06'	141°46.55'	08
09	318°25.53'	S 7°46.99'	156°49.01'	09
10	333°25.68'	S 7°47.92'	171°51.48'	10
11	348°25.83'	S 7°48.86'	186°53.94'	11
12	3°25.98'	S 7°49.79'	201°56.40'	12
13	18°26.13'	S 7°50.72'	216°58.87'	13
14	33°26.28'	S 7°51.66'	232°01.33'	14
15	48°26.43'	S 7°52.59'	247°03.80'	15
16	63°26.58'	S 7°53.52'	262°06.26'	16
17	78°26.73'	S 7°54.45'	277°08.73'	17
18	93°26.88'	S 7°55.39'	292°11.19'	18
19	108°27.02'	S 7°56.32'	307°13.65'	19
20	123°27.17'	S 7°57.25'	322°16.12'	20
21	138°27.32'	S 7°58.18'	337°18.58'	21
22	153°27.47'	S 7°59.11'	352°21.05'	22
23	168°27.62'	S 8°00.04'	7°23.51'	23
24	183°27.76'	S 8°00.97'	22°25.97'	24
½Ø 16.0367'		p.h. (π) 0.1500'		
EoT at 12 UT +13m44s				

**15 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°31.23'	S 8°23.25'	23°25.11'	00
01	198°31.37'	S 8°24.18'	38°27.58'	01
02	213°31.51'	S 8°25.11'	53°30.04'	02
03	228°31.65'	S 8°26.03'	68°32.51'	03
04	243°31.80'	S 8°26.96'	83°34.97'	04
05	258°31.94'	S 8°27.88'	98°37.43'	05
06	273°32.08'	S 8°28.81'	113°39.90'	06
07	288°32.22'	S 8°29.73'	128°42.36'	07
08	303°32.36'	S 8°30.66'	143°44.83'	08
09	318°32.50'	S 8°31.58'	158°47.29'	09
10	333°32.63'	S 8°32.50'	173°49.75'	10
11	348°32.77'	S 8°33.43'	188°52.22'	11
12	3°32.91'	S 8°34.35'	203°54.68'	12
13	18°33.05'	S 8°35.27'	218°57.15'	13
14	33°33.19'	S 8°36.20'	233°59.61'	14
15	48°33.33'	S 8°37.12'	249°02.07'	15
16	63°33.47'	S 8°38.04'	264°04.54'	16
17	78°33.60'	S 8°38.97'	279°07.00'	17
18	93°33.74'	S 8°39.89'	294°09.47'	18
19	108°33.88'	S 8°40.81'	309°11.93'	19
20	123°34.01'	S 8°41.73'	324°14.40'	20
21	138°34.15'	S 8°42.65'	339°16.86'	21
22	153°34.29'	S 8°43.57'	354°19.32'	22
23	168°34.42'	S 8°44.50'	9°21.79'	23
24	183°34.56'	S 8°45.42'	24°24.25'	24
½Ø 16.0459'		p.h. (π) 0.1500'		
EoT at 12 UT +14m12s				

**14 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°27.76'	S 8°00.97'	22°25.97'	00
01	198°27.91'	S 8°01.90'	37°28.44'	01
02	213°28.06'	S 8°02.83'	52°30.90'	02
03	228°28.20'	S 8°03.76'	67°33.37'	03
04	243°28.35'	S 8°04.69'	82°35.83'	04
05	258°28.50'	S 8°05.62'	97°38.29'	05
06	273°28.64'	S 8°06.55'	112°40.76'	06
07	288°28.79'	S 8°07.48'	127°43.22'	07
08	303°28.93'	S 8°08.41'	142°45.69'	08
09	318°29.08'	S 8°09.34'	157°48.15'	09
10	333°29.22'	S 8°10.27'	172°50.62'	10
11	348°29.37'	S 8°11.20'	187°53.08'	11
12	3°29.51'	S 8°12.13'	202°55.54'	12
13	18°29.66'	S 8°13.06'	217°58.01'	13
14	33°29.80'	S 8°13.98'	233°00.47'	14
15	48°29.95'	S 8°14.91'	248°02.94'	15
16	63°30.09'	S 8°15.84'	263°05.40'	16
17	78°30.23'	S 8°16.77'	278°07.86'	17
18	93°30.38'	S 8°17.69'	293°10.33'	18
19	108°30.52'	S 8°18.62'	308°12.79'	19
20	123°30.66'	S 8°19.55'	323°15.26'	20
21	138°30.80'	S 8°20.48'	338°17.72'	21
22	153°30.95'	S 8°21.40'	353°20.18'	22
23	168°31.09'	S 8°22.33'	8°22.65'	23
24	183°31.23'	S 8°23.25'	23°25.11'	24
½Ø 16.0413'		p.h. (π) 0.1500'		
EoT at 12 UT +13m58s				

**16 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°34.56'	S 8°45.42'	24°24.25'	00
01	198°34.70'	S 8°46.34'	39°26.72'	01
02	213°34.83'	S 8°47.26'	54°29.18'	02
03	228°34.97'	S 8°48.18'	69°31.64'	03
04	243°35.10'	S 8°49.10'	84°34.11'	04
05	258°35.24'	S 8°50.02'	99°36.57'	05
06	273°35.37'	S 8°50.94'	114°39.04'	06
07	288°35.50'	S 8°51.86'	129°41.50'	07
08	303°35.64'	S 8°52.78'	144°43.96'	08
09	318°35.77'	S 8°53.70'	159°46.43'	09
10	333°35.90'	S 8°54.62'	174°48.89'	10
11	348°36.04'	S 8°55.53'	189°51.36'	11
12	3°36.17'	S 8°56.45'	204°53.82'	12
13	18°36.30'	S 8°57.37'	219°56.29'	13
14	33°36.44'	S 8°58.29'	234°58.75'	14
15	48°36.57'	S 8°59.21'	250°01.21'	15
16	63°36.70'	S 9°00.12'	265°03.68'	16
17	78°36.83'	S 9°01.04'	280°06.14'	17
18	93°36.96'	S 9°01.96'	295°08.61'	18
19	108°37.09'	S 9°02.88'	310°11.07'	19
20	123°37.22'	S 9°03.79'	325°13.53'	20
21	138°37.36'	S 9°04.71'	340°16.00'	21
22	153°37.49'	S 9°05.62'	355°18.46'	22
23	168°37.62'	S 9°06.54'	10°20.93'	23
24	183°37.75'	S 9°07.46'	25°23.39'	24
½Ø 16.0504'		p.h. (π) 0.1500'		
EoT at 12 UT +14m25s				

**17 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°37.75'	S 9°07.46'	25°23.39'	00
01	198°37.88'	S 9°08.37'	40°25.85'	01
02	213°38.00'	S 9°09.29'	55°28.32'	02
03	228°38.13'	S 9°10.20'	70°30.78'	03
04	243°38.26'	S 9°11.12'	85°33.25'	04
05	258°38.39'	S 9°12.03'	100°35.71'	05
06	273°38.52'	S 9°12.95'	115°38.18'	06
07	288°38.65'	S 9°13.86'	130°40.64'	07
08	303°38.78'	S 9°14.77'	145°43.10'	08
09	318°38.90'	S 9°15.69'	160°45.57'	09
10	333°39.03'	S 9°16.60'	175°48.03'	10
11	348°39.16'	S 9°17.51'	190°50.50'	11
12	3°39.28'	S 9°18.43'	205°52.96'	12
13	18°39.41'	S 9°19.34'	220°55.42'	13
14	33°39.54'	S 9°20.25'	235°57.89'	14
15	48°39.66'	S 9°21.16'	251°00.35'	15
16	63°39.79'	S 9°22.08'	266°02.82'	16
17	78°39.91'	S 9°22.99'	281°05.28'	17
18	93°40.04'	S 9°23.90'	296°07.74'	18
19	108°40.16'	S 9°24.81'	311°10.21'	19
20	123°40.29'	S 9°25.72'	326°12.67'	20
21	138°40.41'	S 9°26.63'	341°15.14'	21
22	153°40.54'	S 9°27.54'	356°17.60'	22
23	168°40.66'	S 9°28.45'	11°20.07'	23
24	183°40.79'	S 9°29.36'	26°22.53'	24
½Ø 16.0550'		p.h. (π) 0.1500'		
EoT at 12 UT +14m37s				

**19 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°43.67'	S 9°51.14'	27°21.67'	00
01	198°43.79'	S 9°52.04'	42°24.13'	01
02	213°43.91'	S 9°52.94'	57°26.60'	02
03	228°44.02'	S 9°53.85'	72°29.06'	03
04	243°44.14'	S 9°54.75'	87°31.52'	04
05	258°44.26'	S 9°55.65'	102°33.99'	05
06	273°44.37'	S 9°56.56'	117°36.45'	06
07	288°44.49'	S 9°57.46'	132°38.92'	07
08	303°44.60'	S 9°58.36'	147°41.38'	08
09	318°44.72'	S 9°59.26'	162°43.85'	09
10	333°44.83'	S 10°00.17'	177°46.31'	10
11	348°44.95'	S 10°01.07'	192°48.77'	11
12	3°45.06'	S 10°01.97'	207°51.24'	12
13	18°45.17'	S 10°02.87'	222°53.70'	13
14	33°45.29'	S 10°03.77'	237°56.17'	14
15	48°45.40'	S 10°04.67'	252°58.63'	15
16	63°45.51'	S 10°05.57'	268°01.09'	16
17	78°45.63'	S 10°06.47'	283°03.56'	17
18	93°45.74'	S 10°07.37'	298°06.02'	18
19	108°45.85'	S 10°08.27'	313°08.49'	19
20	123°45.96'	S 10°09.17'	328°10.95'	20
21	138°46.07'	S 10°10.07'	343°13.42'	21
22	153°46.18'	S 10°10.97'	358°15.88'	22
23	168°46.30'	S 10°11.87'	13°18.34'	23
24	183°46.41'	S 10°12.76'	28°20.81'	24
½Ø 16.0641'		p.h. (π) 0.1500'		
EoT at 12 UT +15m0s				

**18 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°40.79'	S 9°29.36'	26°22.53'	00
01	198°40.91'	S 9°30.27'	41°24.99'	01
02	213°41.03'	S 9°31.18'	56°27.46'	02
03	228°41.15'	S 9°32.09'	71°29.92'	03
04	243°41.28'	S 9°33.00'	86°32.39'	04
05	258°41.40'	S 9°33.91'	101°34.85'	05
06	273°41.52'	S 9°34.82'	116°37.31'	06
07	288°41.64'	S 9°35.73'	131°39.78'	07
08	303°41.76'	S 9°36.64'	146°42.24'	08
09	318°41.89'	S 9°37.55'	161°44.71'	09
10	333°42.01'	S 9°38.45'	176°47.17'	10
11	348°42.13'	S 9°39.36'	191°49.63'	11
12	3°42.25'	S 9°40.27'	206°52.10'	12
13	18°42.37'	S 9°41.17'	221°54.56'	13
14	33°42.49'	S 9°42.08'	236°57.03'	14
15	48°42.61'	S 9°42.99'	251°59.49'	15
16	63°42.73'	S 9°43.89'	267°01.96'	16
17	78°42.85'	S 9°44.80'	282°04.42'	17
18	93°42.97'	S 9°45.71'	297°06.88'	18
19	108°43.08'	S 9°46.61'	312°09.35'	19
20	123°43.20'	S 9°47.52'	327°11.81'	20
21	138°43.32'	S 9°48.42'	342°14.28'	21
22	153°43.44'	S 9°49.33'	357°16.74'	22
23	168°43.56'	S 9°50.23'	12°19.20'	23
24	183°43.67'	S 9°51.14'	27°21.67'	24
½Ø 16.0595'		p.h. (π) 0.1500'		
EoT at 12 UT +14m49s				

**20 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°46.41'	S 10°12.76'	28°20.81'	00
01	198°46.52'	S 10°13.66'	43°23.27'	01
02	213°46.63'	S 10°14.56'	58°25.74'	02
03	228°46.74'	S 10°15.46'	73°28.20'	03
04	243°46.85'	S 10°16.35'	88°30.66'	04
05	258°46.96'	S 10°17.25'	103°33.13'	05
06	273°47.06'	S 10°18.15'	118°35.59'	06
07	288°47.17'	S 10°19.04'	133°38.06'	07
08	303°47.28'	S 10°19.94'	148°40.52'	08
09	318°47.39'	S 10°20.84'	163°42.98'	09
10	333°47.50'	S 10°21.73'	178°45.45'	10
11	348°47.61'	S 10°22.63'	193°47.91'	11
12	3°47.71'	S 10°23.52'	208°50.38'	12
13	18°47.82'	S 10°24.42'	223°52.84'	13
14	33°47.93'	S 10°25.31'	238°55.31'	14
15	48°48.03'	S 10°26.21'	253°57.77'	15
16	63°48.14'	S 10°27.10'	269°00.23'	16
17	78°48.25'	S 10°27.99'	284°02.70'	17
18	93°48.35'	S 10°28.89'	299°05.16'	18
19	108°48.46'	S 10°29.78'	314°07.63'	19
20	123°48.56'	S 10°30.67'	329°10.09'	20
21	138°48.67'	S 10°31.57'	344°12.55'	21
22	153°48.77'	S 10°32.46'	359°15.02'	22
23	168°48.88'	S 10°33.35'	14°17.48'	23
24	183°48.98'	S 10°34.24'	29°19.95'	24
½Ø 16.0686'		p.h. (π) 0.1500'		
EoT at 12 UT +15m11s				

**21 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	183°48.98'	S 10°34.24'	29°19.95'	00
01	198°49.08'	S 10°35.13'	44°22.41'	01
02	213°49.19'	S 10°36.03'	59°24.87'	02
03	228°49.29'	S 10°36.92'	74°27.34'	03
04	243°49.39'	S 10°37.81'	89°29.80'	04
05	258°49.50'	S 10°38.70'	104°32.27'	05
06	273°49.60'	S 10°39.59'	119°34.73'	06
07	288°49.70'	S 10°40.48'	134°37.20'	07
08	303°49.80'	S 10°41.37'	149°39.66'	08
09	318°49.90'	S 10°42.26'	164°42.12'	09
10	333°50.00'	S 10°43.15'	179°44.59'	10
11	348°50.11'	S 10°44.03'	194°47.05'	11
12	3°50.21'	S 10°44.92'	209°49.52'	12
13	18°50.31'	S 10°45.81'	224°51.98'	13
14	33°50.41'	S 10°46.70'	239°54.44'	14
15	48°50.51'	S 10°47.59'	254°56.91'	15
16	63°50.61'	S 10°48.48'	269°59.37'	16
17	78°50.70'	S 10°49.36'	285°01.84'	17
18	93°50.80'	S 10°50.25'	300°04.30'	18
19	108°50.90'	S 10°51.14'	315°06.76'	19
20	123°51.00'	S 10°52.02'	330°09.23'	20
21	138°51.10'	S 10°52.91'	345°11.69'	21
22	153°51.20'	S 10°53.79'	0°14.16'	22
23	168°51.29'	S 10°54.68'	15°16.62'	23
24	183°51.39'	S 10°55.56'	30°19.09'	24
½Ø 16.0731'		p.h. (π) 0.1500'		
EoT at 12 UT +15m21s				

**23 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°53.63'	S 11°16.72'	31°18.22'	00
01	198°53.72'	S 11°17.60'	46°20.69'	01
02	213°53.81'	S 11°18.48'	61°23.15'	02
03	228°53.90'	S 11°19.36'	76°25.62'	03
04	243°53.99'	S 11°20.23'	91°28.08'	04
05	258°54.08'	S 11°21.11'	106°30.54'	05
06	273°54.17'	S 11°21.99'	121°33.01'	06
07	288°54.26'	S 11°22.86'	136°35.47'	07
08	303°54.34'	S 11°23.74'	151°37.94'	08
09	318°54.43'	S 11°24.62'	166°40.40'	09
10	333°54.52'	S 11°25.49'	181°42.87'	10
11	348°54.60'	S 11°26.37'	196°45.33'	11
12	3°54.69'	S 11°27.24'	211°47.79'	12
13	18°54.78'	S 11°28.11'	226°50.26'	13
14	33°54.86'	S 11°28.99'	241°52.72'	14
15	48°54.95'	S 11°29.86'	256°55.19'	15
16	63°55.03'	S 11°30.74'	271°57.65'	16
17	78°55.12'	S 11°31.61'	287°00.11'	17
18	93°55.20'	S 11°32.48'	302°02.58'	18
19	108°55.29'	S 11°33.35'	317°05.04'	19
20	123°55.37'	S 11°34.23'	332°07.51'	20
21	138°55.46'	S 11°35.10'	347°09.97'	21
22	153°55.54'	S 11°35.97'	2°12.43'	22
23	168°55.62'	S 11°36.84'	17°14.90'	23
24	183°55.71'	S 11°37.71'	32°17.36'	24
½Ø 16.0820'		p.h. (π) 0.1500'		
EoT at 12 UT +15m39s				

**22 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°51.39'	S 10°55.56'	30°19.09'	00
01	198°51.49'	S 10°56.45'	45°21.55'	01
02	213°51.58'	S 10°57.33'	60°24.01'	02
03	228°51.68'	S 10°58.22'	75°26.48'	03
04	243°51.78'	S 10°59.10'	90°28.94'	04
05	258°51.87'	S 10°59.99'	105°31.41'	05
06	273°51.97'	S 11°00.87'	120°33.87'	06
07	288°52.06'	S 11°01.75'	135°36.33'	07
08	303°52.16'	S 11°02.64'	150°38.80'	08
09	318°52.25'	S 11°03.52'	165°41.26'	09
10	333°52.35'	S 11°04.40'	180°43.73'	10
11	348°52.44'	S 11°05.28'	195°46.19'	11
12	3°52.53'	S 11°06.16'	210°48.65'	12
13	18°52.63'	S 11°07.05'	225°51.12'	13
14	33°52.72'	S 11°07.93'	240°53.58'	14
15	48°52.81'	S 11°08.81'	255°56.05'	15
16	63°52.90'	S 11°09.69'	270°58.51'	16
17	78°53.00'	S 11°10.57'	286°00.98'	17
18	93°53.09'	S 11°11.45'	301°03.44'	18
19	108°53.18'	S 11°12.33'	316°05.90'	19
20	123°53.27'	S 11°13.21'	331°08.37'	20
21	138°53.36'	S 11°14.09'	346°10.83'	21
22	153°53.45'	S 11°14.97'	1°13.30'	22
23	168°53.54'	S 11°15.85'	16°15.76'	23
24	183°53.63'	S 11°16.72'	31°18.22'	24
½Ø 16.0776'		p.h. (π) 0.1500'		
EoT at 12 UT +15m30s				

**24 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°55.71'	S 11°37.71'	32°17.36'	00
01	198°55.79'	S 11°38.58'	47°19.83'	01
02	213°55.87'	S 11°39.45'	62°22.29'	02
03	228°55.95'	S 11°40.32'	77°24.76'	03
04	243°56.03'	S 11°41.19'	92°27.22'	04
05	258°56.12'	S 11°42.06'	107°29.68'	05
06	273°56.20'	S 11°42.93'	122°32.15'	06
07	288°56.28'	S 11°43.80'	137°34.61'	07
08	303°56.36'	S 11°44.67'	152°37.08'	08
09	318°56.44'	S 11°45.54'	167°39.54'	09
10	333°56.52'	S 11°46.41'	182°42.00'	10
11	348°56.60'	S 11°47.28'	197°44.47'	11
12	3°56.68'	S 11°48.14'	212°46.93'	12
13	18°56.76'	S 11°49.01'	227°49.40'	13
14	33°56.83'	S 11°49.88'	242°51.86'	14
15	48°56.91'	S 11°50.74'	257°54.32'	15
16	63°56.99'	S 11°51.61'	272°56.79'	16
17	78°57.07'	S 11°52.47'	287°59.25'	17
18	93°57.15'	S 11°53.34'	303°01.72'	18
19	108°57.22'	S 11°54.21'	318°04.18'	19
20	123°57.30'	S 11°55.07'	333°06.65'	20
21	138°57.38'	S 11°55.94'	348°09.11'	21
22	153°57.45'	S 11°56.80'	3°11.57'	22
23	168°57.53'	S 11°57.66'	18°14.04'	23
24	183°57.60'	S 11°58.53'	33°16.50'	24
½Ø 16.0865'		p.h. (π) 0.1500'		
EoT at 12 UT +15m47s				

**25 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	183°57.60'	S 11°58.53'	33°16.50'	00
01	198°57.68'	S 11°59.39'	48°18.97'	01
02	213°57.75'	S 12°00.25'	63°21.43'	02
03	228°57.83'	S 12°01.12'	78°23.89'	03
04	243°57.90'	S 12°01.98'	93°26.36'	04
05	258°57.98'	S 12°02.84'	108°28.82'	05
06	273°58.05'	S 12°03.70'	123°31.29'	06
07	288°58.12'	S 12°04.56'	138°33.75'	07
08	303°58.20'	S 12°05.42'	153°36.21'	08
09	318°58.27'	S 12°06.29'	168°38.68'	09
10	333°58.34'	S 12°07.15'	183°41.14'	10
11	348°58.41'	S 12°08.01'	198°43.61'	11
12	3°58.49'	S 12°08.87'	213°46.07'	12
13	18°58.56'	S 12°09.73'	228°48.54'	13
14	33°58.63'	S 12°10.58'	243°51.00'	14
15	48°58.70'	S 12°11.44'	258°53.46'	15
16	63°58.77'	S 12°12.30'	273°55.93'	16
17	78°58.84'	S 12°13.16'	288°58.39'	17
18	93°58.91'	S 12°14.02'	304°00.86'	18
19	108°58.98'	S 12°14.88'	319°03.32'	19
20	123°59.05'	S 12°15.73'	334°05.78'	20
21	138°59.12'	S 12°16.59'	349°08.25'	21
22	153°59.19'	S 12°17.45'	4°10.71'	22
23	168°59.25'	S 12°18.30'	19°13.18'	23
24	183°59.32'	S 12°19.16'	34°15.64'	24
½Ø 16.0909' p.h. (π) 0.1500'				
EoT at 12 UT +15m54s				

**27 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	184°00.86'	S 12°39.60'	35°14.78'	00
01	199°00.92'	S 12°40.45'	50°17.24'	01
02	214°00.98'	S 12°41.29'	65°19.71'	02
03	229°01.04'	S 12°42.14'	80°22.17'	03
04	244°01.10'	S 12°42.99'	95°24.64'	04
05	259°01.16'	S 12°43.83'	110°27.10'	05
06	274°01.22'	S 12°44.68'	125°29.56'	06
07	289°01.27'	S 12°45.53'	140°32.03'	07
08	304°01.33'	S 12°46.37'	155°34.49'	08
09	319°01.39'	S 12°47.21'	170°36.96'	09
10	334°01.45'	S 12°48.06'	185°39.42'	10
11	349°01.50'	S 12°48.90'	200°41.88'	11
12	4°01.56'	S 12°49.75'	215°44.35'	12
13	19°01.62'	S 12°50.59'	230°46.81'	13
14	34°01.67'	S 12°51.43'	245°49.28'	14
15	49°01.73'	S 12°52.28'	260°51.74'	15
16	64°01.78'	S 12°53.12'	275°54.21'	16
17	79°01.84'	S 12°53.96'	290°56.67'	17
18	94°01.89'	S 12°54.80'	305°59.13'	18
19	109°01.95'	S 12°55.64'	321°01.60'	19
20	124°02.00'	S 12°56.48'	336°04.06'	20
21	139°02.05'	S 12°57.33'	351°06.53'	21
22	154°02.11'	S 12°58.17'	6°08.99'	22
23	169°02.16'	S 12°59.01'	21°11.45'	23
24	184°02.21'	S 12°59.85'	36°13.92'	24
½Ø 16.0996' p.h. (π) 0.1500'				
EoT at 12 UT +16m6s				

**26 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	183°59.32'	S 12°19.16'	34°15.64'	00
01	198°59.39'	S 12°20.01'	49°18.10'	01
02	213°59.46'	S 12°20.87'	64°20.57'	02
03	228°59.52'	S 12°21.72'	79°23.03'	03
04	243°59.59'	S 12°22.58'	94°25.50'	04
05	258°59.66'	S 12°23.43'	109°27.96'	05
06	273°59.72'	S 12°24.29'	124°30.43'	06
07	288°59.79'	S 12°25.14'	139°32.89'	07
08	303°59.86'	S 12°25.99'	154°35.35'	08
09	318°59.92'	S 12°26.85'	169°37.82'	09
10	333°59.99'	S 12°27.70'	184°40.28'	10
11	349°00.05'	S 12°28.55'	199°42.75'	11
12	4°00.11'	S 12°29.40'	214°45.21'	12
13	19°00.18'	S 12°30.25'	229°47.67'	13
14	34°00.24'	S 12°31.11'	244°50.14'	14
15	49°00.31'	S 12°31.96'	259°52.60'	15
16	64°00.37'	S 12°32.81'	274°55.07'	16
17	79°00.43'	S 12°33.66'	289°57.53'	17
18	94°00.49'	S 12°34.51'	304°59.99'	18
19	109°00.56'	S 12°35.36'	320°02.46'	19
20	124°00.62'	S 12°36.21'	335°04.92'	20
21	139°00.68'	S 12°37.05'	350°07.39'	21
22	154°00.74'	S 12°37.90'	5°09.85'	22
23	169°00.80'	S 12°38.75'	20°12.32'	23
24	184°00.86'	S 12°39.60'	35°14.78'	24
½Ø 16.0953' p.h. (π) 0.1500'				
EoT at 12 UT +16m0s				

**28 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	184°02.21'	S 12°59.85'	36°13.92'	00
01	199°02.27'	S 13°00.68'	51°16.38'	01
02	214°02.32'	S 13°01.52'	66°18.85'	02
03	229°02.37'	S 13°02.36'	81°21.31'	03
04	244°02.42'	S 13°03.20'	96°23.77'	04
05	259°02.47'	S 13°04.04'	111°26.24'	05
06	274°02.52'	S 13°04.88'	126°28.70'	06
07	289°02.57'	S 13°05.71'	141°31.17'	07
08	304°02.62'	S 13°06.55'	156°33.63'	08
09	319°02.67'	S 13°07.39'	171°36.10'	09
10	334°02.72'	S 13°08.22'	186°38.56'	10
11	349°02.77'	S 13°09.06'	201°41.02'	11
12	4°02.82'	S 13°09.89'	216°43.49'	12
13	19°02.87'	S 13°10.73'	231°45.95'	13
14	34°02.92'	S 13°11.56'	246°48.42'	14
15	49°02.96'	S 13°12.40'	261°50.88'	15
16	64°03.01'	S 13°13.23'	276°53.34'	16
17	79°03.06'	S 13°14.06'	291°55.81'	17
18	94°03.11'	S 13°14.90'	306°58.27'	18
19	109°03.15'	S 13°15.73'	322°00.74'	19
20	124°03.20'	S 13°16.56'	337°03.20'	20
21	139°03.24'	S 13°17.39'	352°05.66'	21
22	154°03.29'	S 13°18.23'	7°08.13'	22
23	169°03.33'	S 13°19.06'	22°10.59'	23
24	184°03.38'	S 13°19.89'	37°13.06'	24
½Ø 16.1040' p.h. (π) 0.1500'				
EoT at 12 UT +16m11s				

**29 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	184°03.38'	S 13°19.89'	37°13.06'	00
01	199°03.42'	S 13°20.72'	52°15.52'	01
02	214°03.47'	S 13°21.55'	67°17.99'	02
03	229°03.51'	S 13°22.38'	82°20.45'	03
04	244°03.56'	S 13°23.21'	97°22.91'	04
05	259°03.60'	S 13°24.04'	112°25.38'	05
06	274°03.64'	S 13°24.87'	127°27.84'	06
07	289°03.68'	S 13°25.69'	142°30.31'	07
08	304°03.73'	S 13°26.52'	157°32.77'	08
09	319°03.77'	S 13°27.35'	172°35.23'	09
10	334°03.81'	S 13°28.18'	187°37.70'	10
11	349°03.85'	S 13°29.00'	202°40.16'	11
12	4°03.89'	S 13°29.83'	217°42.63'	12
13	19°03.93'	S 13°30.66'	232°45.09'	13
14	34°03.97'	S 13°31.48'	247°47.55'	14
15	49°04.01'	S 13°32.31'	262°50.02'	15
16	64°04.05'	S 13°33.13'	277°52.48'	16
17	79°04.09'	S 13°33.96'	292°54.95'	17
18	94°04.13'	S 13°34.78'	307°57.41'	18
19	109°04.17'	S 13°35.61'	322°59.88'	19
20	124°04.21'	S 13°36.43'	338°02.34'	20
21	139°04.24'	S 13°37.25'	353°04.80'	21
22	154°04.28'	S 13°38.08'	8°07.27'	22
23	169°04.32'	S 13°38.90'	23°09.73'	23
24	184°04.35'	S 13°39.72'	38°12.20'	24
½Ø 16.1083'		p.h. (π) 0.1500'		
EoT at 12 UT +16m16s				

**30 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	184°04.35'	S 13°39.72'	38°12.20'	00
01	199°04.39'	S 13°40.54'	53°14.66'	01
02	214°04.43'	S 13°41.36'	68°17.12'	02
03	229°04.46'	S 13°42.19'	83°19.59'	03
04	244°04.50'	S 13°43.01'	98°22.05'	04
05	259°04.53'	S 13°43.83'	113°24.52'	05
06	274°04.57'	S 13°44.65'	128°26.98'	06
07	289°04.60'	S 13°45.47'	143°29.44'	07
08	304°04.64'	S 13°46.28'	158°31.91'	08
09	319°04.67'	S 13°47.10'	173°34.37'	09
10	334°04.70'	S 13°47.92'	188°36.84'	10
11	349°04.74'	S 13°48.74'	203°39.30'	11
12	4°04.77'	S 13°49.56'	218°41.77'	12
13	19°04.80'	S 13°50.37'	233°44.23'	13
14	34°04.83'	S 13°51.19'	248°46.69'	14
15	49°04.87'	S 13°52.01'	263°49.16'	15
16	64°04.90'	S 13°52.82'	278°51.62'	16
17	79°04.93'	S 13°53.64'	293°54.09'	17
18	94°04.96'	S 13°54.46'	308°56.55'	18
19	109°04.99'	S 13°55.27'	323°59.01'	19
20	124°05.02'	S 13°56.08'	339°01.48'	20
21	139°05.05'	S 13°56.90'	354°03.94'	21
22	154°05.08'	S 13°57.71'	9°06.41'	22
23	169°05.11'	S 13°58.53'	24°08.87'	23
24	184°05.14'	S 13°59.34'	39°11.33'	24
½Ø 16.1126'		p.h. (π) 0.1500'		
EoT at 12 UT +16m19s				

**31 octobre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	184°05.14'	S 13°59.34'	39°11.33'	00
01	199°05.16'	S 14°00.15'	54°13.80'	01
02	214°05.19'	S 14°00.96'	69°16.26'	02
03	229°05.22'	S 14°01.78'	84°18.73'	03
04	244°05.25'	S 14°02.59'	99°21.19'	04
05	259°05.27'	S 14°03.40'	114°23.66'	05
06	274°05.30'	S 14°04.21'	129°26.12'	06
07	289°05.33'	S 14°05.02'	144°28.58'	07
08	304°05.35'	S 14°05.83'	159°31.05'	08
09	319°05.38'	S 14°06.64'	174°33.51'	09
10	334°05.40'	S 14°07.45'	189°35.98'	10
11	349°05.43'	S 14°08.26'	204°38.44'	11
12	4°05.45'	S 14°09.06'	219°40.90'	12
13	19°05.48'	S 14°09.87'	234°43.37'	13
14	34°05.50'	S 14°10.68'	249°45.83'	14
15	49°05.52'	S 14°11.49'	264°48.30'	15
16	64°05.55'	S 14°12.29'	279°50.76'	16
17	79°05.57'	S 14°13.10'	294°53.22'	17
18	94°05.59'	S 14°13.91'	309°55.69'	18
19	109°05.62'	S 14°14.71'	324°58.15'	19
20	124°05.64'	S 14°15.52'	340°00.62'	20
21	139°05.66'	S 14°16.32'	355°03.08'	21
22	154°05.68'	S 14°17.13'	10°05.55'	22
23	169°05.70'	S 14°17.93'	25°08.01'	23
24	184°05.72'	S 14°18.73'	40°10.47'	24
½Ø 16.1168'		p.h. (π) 0.1500'		
EoT at 12 UT +16m22s				



**1er novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	184°05.72'	S 14°18.73'	40°10.47'	00
01	199°05.74'	S 14°19.54'	55°12.94'	01
02	214°05.76'	S 14°20.34'	70°15.40'	02
03	229°05.78'	S 14°21.14'	85°17.87'	03
04	244°05.80'	S 14°21.94'	100°20.33'	04
05	259°05.82'	S 14°22.75'	115°22.79'	05
06	274°05.84'	S 14°23.55'	130°25.26'	06
07	289°05.85'	S 14°24.35'	145°27.72'	07
08	304°05.87'	S 14°25.15'	160°30.19'	08
09	319°05.89'	S 14°25.95'	175°32.65'	09
10	334°05.91'	S 14°26.75'	190°35.11'	10
11	349°05.92'	S 14°27.55'	205°37.58'	11
12	4°05.94'	S 14°28.34'	220°40.04'	12
13	19°05.95'	S 14°29.14'	235°42.51'	13
14	34°05.97'	S 14°29.94'	250°44.97'	14
15	49°05.99'	S 14°30.74'	265°47.44'	15
16	64°06.00'	S 14°31.54'	280°49.90'	16
17	79°06.02'	S 14°32.33'	295°52.36'	17
18	94°06.03'	S 14°33.13'	310°54.83'	18
19	109°06.04'	S 14°33.92'	325°57.29'	19
20	124°06.06'	S 14°34.72'	340°59.76'	20
21	139°06.07'	S 14°35.52'	356°02.22'	21
22	154°06.08'	S 14°36.31'	11°04.68'	22
23	169°06.10'	S 14°37.10'	26°07.15'	23
24	184°06.11'	S 14°37.90'	41°09.61'	24
½Ø 16.1210'		p.h. (π) 0.1500'		
EoT at 12 UT +16m24s				

**3 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	184°06.29'	S 14°56.83'	42°08.75'	00
01	199°06.30'	S 14°57.61'	57°11.22'	01
02	214°06.30'	S 14°58.39'	72°13.68'	02
03	229°06.30'	S 14°59.18'	87°16.14'	03
04	244°06.30'	S 14°59.96'	102°18.61'	04
05	259°06.31'	S 15°00.74'	117°21.07'	05
06	274°06.31'	S 15°01.52'	132°23.54'	06
07	289°06.31'	S 15°02.30'	147°26.00'	07
08	304°06.31'	S 15°03.08'	162°28.46'	08
09	319°06.31'	S 15°03.86'	177°30.93'	09
10	334°06.31'	S 15°04.64'	192°33.39'	10
11	349°06.31'	S 15°05.42'	207°35.86'	11
12	4°06.31'	S 15°06.20'	222°38.32'	12
13	19°06.31'	S 15°06.98'	237°40.78'	13
14	34°06.31'	S 15°07.76'	252°43.25'	14
15	49°06.31'	S 15°08.53'	267°45.71'	15
16	64°06.30'	S 15°09.31'	282°48.18'	16
17	79°06.30'	S 15°10.09'	297°50.64'	17
18	94°06.30'	S 15°10.86'	312°53.11'	18
19	109°06.30'	S 15°11.64'	327°55.57'	19
20	124°06.29'	S 15°12.42'	342°58.03'	20
21	139°06.29'	S 15°13.19'	358°00.50'	21
22	154°06.29'	S 15°13.96'	13°02.96'	22
23	169°06.28'	S 15°14.74'	28°05.43'	23
24	184°06.28'	S 15°15.51'	43°07.89'	24
½Ø 16.1294'		p.h. (π) 0.1500'		
EoT at 12 UT +16m25s				

**2 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	184°06.11'	S 14°37.90'	41°09.61'	00
01	199°06.12'	S 14°38.69'	56°12.08'	01
02	214°06.13'	S 14°39.48'	71°14.54'	02
03	229°06.14'	S 14°40.28'	86°17.00'	03
04	244°06.15'	S 14°41.07'	101°19.47'	04
05	259°06.16'	S 14°41.86'	116°21.93'	05
06	274°06.17'	S 14°42.65'	131°24.40'	06
07	289°06.18'	S 14°43.44'	146°26.86'	07
08	304°06.19'	S 14°44.23'	161°29.33'	08
09	319°06.20'	S 14°45.02'	176°31.79'	09
10	334°06.21'	S 14°45.81'	191°34.25'	10
11	349°06.22'	S 14°46.60'	206°36.72'	11
12	4°06.23'	S 14°47.39'	221°39.18'	12
13	19°06.23'	S 14°48.18'	236°41.65'	13
14	34°06.24'	S 14°48.97'	251°44.11'	14
15	49°06.25'	S 14°49.76'	266°46.57'	15
16	64°06.25'	S 14°50.54'	281°49.04'	16
17	79°06.26'	S 14°51.33'	296°51.50'	17
18	94°06.27'	S 14°52.12'	311°53.97'	18
19	109°06.27'	S 14°52.90'	326°56.43'	19
20	124°06.28'	S 14°53.69'	341°58.89'	20
21	139°06.28'	S 14°54.47'	357°01.36'	21
22	154°06.29'	S 14°55.26'	12°03.82'	22
23	169°06.29'	S 14°56.04'	27°06.29'	23
24	184°06.29'	S 14°56.83'	42°08.75'	24
½Ø 16.1252'		p.h. (π) 0.1500'		
EoT at 12 UT +16m25s				

**4 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	184°06.28'	S 15°15.51'	43°07.89'	00
01	199°06.27'	S 15°16.29'	58°10.35'	01
02	214°06.27'	S 15°17.06'	73°12.82'	02
03	229°06.26'	S 15°17.83'	88°15.28'	03
04	244°06.25'	S 15°18.60'	103°17.75'	04
05	259°06.25'	S 15°19.37'	118°20.21'	05
06	274°06.24'	S 15°20.14'	133°22.67'	06
07	289°06.23'	S 15°20.92'	148°25.14'	07
08	304°06.23'	S 15°21.69'	163°27.60'	08
09	319°06.22'	S 15°22.46'	178°30.07'	09
10	334°06.21'	S 15°23.22'	193°32.53'	10
11	349°06.20'	S 15°23.99'	208°35.00'	11
12	4°06.19'	S 15°24.76'	223°37.46'	12
13	19°06.18'	S 15°25.53'	238°39.92'	13
14	34°06.17'	S 15°26.30'	253°42.39'	14
15	49°06.16'	S 15°27.06'	268°44.85'	15
16	64°06.15'	S 15°27.83'	283°47.32'	16
17	79°06.14'	S 15°28.60'	298°49.78'	17
18	94°06.13'	S 15°29.36'	313°52.24'	18
19	109°06.12'	S 15°30.13'	328°54.71'	19
20	124°06.11'	S 15°30.89'	343°57.17'	20
21	139°06.09'	S 15°31.66'	358°59.64'	21
22	154°06.08'	S 15°32.42'	14°02.10'	22
23	169°06.07'	S 15°33.18'	29°04.56'	23
24	184°06.05'	S 15°33.95'	44°07.03'	24
½Ø 16.1335'		p.h. (π) 0.1500'		
EoT at 12 UT +16m25s				

**5 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	184°06.05'	S 15°33.95'	44°07.03'	00
01	199°06.04'	S 15°34.71'	59°09.49'	01
02	214°06.03'	S 15°35.47'	74°11.96'	02
03	229°06.01'	S 15°36.23'	89°14.42'	03
04	244°06.00'	S 15°37.00'	104°16.89'	04
05	259°05.98'	S 15°37.76'	119°19.35'	05
06	274°05.97'	S 15°38.52'	134°21.81'	06
07	289°05.95'	S 15°39.28'	149°24.28'	07
08	304°05.93'	S 15°40.04'	164°26.74'	08
09	319°05.92'	S 15°40.80'	179°29.21'	09
10	334°05.90'	S 15°41.55'	194°31.67'	10
11	349°05.88'	S 15°42.31'	209°34.13'	11
12	4°05.87'	S 15°43.07'	224°36.60'	12
13	19°05.85'	S 15°43.83'	239°39.06'	13
14	34°05.83'	S 15°44.58'	254°41.53'	14
15	49°05.81'	S 15°45.34'	269°43.99'	15
16	64°05.79'	S 15°46.10'	284°46.45'	16
17	79°05.77'	S 15°46.85'	299°48.92'	17
18	94°05.75'	S 15°47.61'	314°51.38'	18
19	109°05.73'	S 15°48.36'	329°53.85'	19
20	124°05.71'	S 15°49.11'	344°56.31'	20
21	139°05.69'	S 15°49.87'	359°58.78'	21
22	154°05.67'	S 15°50.62'	15°01.24'	22
23	169°05.65'	S 15°51.37'	30°03.70'	23
24	184°05.63'	S 15°52.13'	45°06.17'	24
½Ø 16.1376'		p.h. (π) 0.1500'		
EoT at 12 UT +16m23s				

**7 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	184°04.99'	S 16°10.04'	46°05.31'	00
01	199°04.96'	S 16°10.78'	61°07.77'	01
02	214°04.93'	S 16°11.52'	76°10.23'	02
03	229°04.90'	S 16°12.26'	91°12.70'	03
04	244°04.86'	S 16°13.00'	106°15.16'	04
05	259°04.83'	S 16°13.74'	121°17.63'	05
06	274°04.80'	S 16°14.48'	136°20.09'	06
07	289°04.76'	S 16°15.22'	151°22.56'	07
08	304°04.73'	S 16°15.95'	166°25.02'	08
09	319°04.70'	S 16°16.69'	181°27.48'	09
10	334°04.66'	S 16°17.43'	196°29.95'	10
11	349°04.63'	S 16°18.16'	211°32.41'	11
12	4°04.59'	S 16°18.90'	226°34.88'	12
13	19°04.56'	S 16°19.63'	241°37.34'	13
14	34°04.52'	S 16°20.37'	256°39.80'	14
15	49°04.49'	S 16°21.10'	271°42.27'	15
16	64°04.45'	S 16°21.84'	286°44.73'	16
17	79°04.41'	S 16°22.57'	301°47.20'	17
18	94°04.38'	S 16°23.30'	316°49.66'	18
19	109°04.34'	S 16°24.03'	331°52.12'	19
20	124°04.30'	S 16°24.77'	346°54.59'	20
21	139°04.26'	S 16°25.50'	1°57.05'	21
22	154°04.22'	S 16°26.23'	16°59.52'	22
23	169°04.18'	S 16°26.96'	32°01.98'	23
24	184°04.14'	S 16°27.69'	47°04.45'	24
½Ø 16.1456'		p.h. (π) 0.1500'		
EoT at 12 UT +16m18s				

**6 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	184°05.63'	S 15°52.13'	45°06.17'	00
01	199°05.60'	S 15°52.88'	60°08.63'	01
02	214°05.58'	S 15°53.63'	75°11.10'	02
03	229°05.56'	S 15°54.38'	90°13.56'	03
04	244°05.53'	S 15°55.13'	105°16.02'	04
05	259°05.51'	S 15°55.88'	120°18.49'	05
06	274°05.49'	S 15°56.63'	135°20.95'	06
07	289°05.46'	S 15°57.38'	150°23.42'	07
08	304°05.44'	S 15°58.13'	165°25.88'	08
09	319°05.41'	S 15°58.88'	180°28.34'	09
10	334°05.39'	S 15°59.62'	195°30.81'	10
11	349°05.36'	S 16°00.37'	210°33.27'	11
12	4°05.33'	S 16°01.12'	225°35.74'	12
13	19°05.31'	S 16°01.86'	240°38.20'	13
14	34°05.28'	S 16°02.61'	255°40.67'	14
15	49°05.25'	S 16°03.36'	270°43.13'	15
16	64°05.23'	S 16°04.10'	285°45.59'	16
17	79°05.20'	S 16°04.84'	300°48.06'	17
18	94°05.17'	S 16°05.59'	315°50.52'	18
19	109°05.14'	S 16°06.33'	330°52.99'	19
20	124°05.11'	S 16°07.07'	345°55.45'	20
21	139°05.08'	S 16°07.82'	0°57.91'	21
22	154°05.05'	S 16°08.56'	16°00.38'	22
23	169°05.02'	S 16°09.30'	31°02.84'	23
24	184°04.99'	S 16°10.04'	46°05.31'	24
½Ø 16.1416'		p.h. (π) 0.1500'		
EoT at 12 UT +16m21s				

**8 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	184°04.14'	S 16°27.69'	47°04.45'	00
01	199°04.10'	S 16°28.42'	62°06.91'	01
02	214°04.06'	S 16°29.15'	77°09.37'	02
03	229°04.02'	S 16°29.87'	92°11.84'	03
04	244°03.98'	S 16°30.60'	107°14.30'	04
05	259°03.94'	S 16°31.33'	122°16.77'	05
06	274°03.90'	S 16°32.06'	137°19.23'	06
07	289°03.86'	S 16°32.78'	152°21.69'	07
08	304°03.82'	S 16°33.51'	167°24.16'	08
09	319°03.77'	S 16°34.23'	182°26.62'	09
10	334°03.73'	S 16°34.96'	197°29.09'	10
11	349°03.69'	S 16°35.68'	212°31.55'	11
12	4°03.64'	S 16°36.41'	227°34.01'	12
13	19°03.60'	S 16°37.13'	242°36.48'	13
14	34°03.55'	S 16°37.85'	257°38.94'	14
15	49°03.51'	S 16°38.58'	272°41.41'	15
16	64°03.46'	S 16°39.30'	287°43.87'	16
17	79°03.42'	S 16°40.02'	302°46.34'	17
18	94°03.37'	S 16°40.74'	317°48.80'	18
19	109°03.33'	S 16°41.46'	332°51.26'	19
20	124°03.28'	S 16°42.18'	347°53.73'	20
21	139°03.23'	S 16°42.90'	2°56.19'	21
22	154°03.18'	S 16°43.62'	17°58.66'	22
23	169°03.14'	S 16°44.34'	33°01.12'	23
24	184°03.09'	S 16°45.06'	48°03.58'	24
½Ø 16.1496'		p.h. (π) 0.1500'		
EoT at 12 UT +16m15s				

**9 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	184°03.09'	S 16°45.06'	48°03.58'	00
01	199°03.04'	S 16°45.77'	63°06.05'	01
02	214°02.99'	S 16°46.49'	78°08.51'	02
03	229°02.94'	S 16°47.21'	93°10.98'	03
04	244°02.89'	S 16°47.92'	108°13.44'	04
05	259°02.84'	S 16°48.64'	123°15.90'	05
06	274°02.79'	S 16°49.35'	138°18.37'	06
07	289°02.74'	S 16°50.07'	153°20.83'	07
08	304°02.69'	S 16°50.78'	168°23.30'	08
09	319°02.64'	S 16°51.50'	183°25.76'	09
10	334°02.59'	S 16°52.21'	198°28.23'	10
11	349°02.53'	S 16°52.92'	213°30.69'	11
12	4°02.48'	S 16°53.63'	228°33.15'	12
13	19°02.43'	S 16°54.35'	243°35.62'	13
14	34°02.38'	S 16°55.06'	258°38.08'	14
15	49°02.32'	S 16°55.77'	273°40.55'	15
16	64°02.27'	S 16°56.48'	288°43.01'	16
17	79°02.21'	S 16°57.19'	303°45.47'	17
18	94°02.16'	S 16°57.90'	318°47.94'	18
19	109°02.10'	S 16°58.61'	333°50.40'	19
20	124°02.05'	S 16°59.31'	348°52.87'	20
21	139°01.99'	S 17°00.02'	3°55.33'	21
22	154°01.94'	S 17°00.73'	18°57.79'	22
23	169°01.88'	S 17°01.43'	34°00.26'	23
24	184°01.82'	S 17°02.14'	49°02.72'	24
½Ø 16.1535'		p.h. (π) 0.1500'		
EoT at 12 UT +16m10s				

**11 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	184°00.34'	S 17°18.94'	50°01.86'	00
01	199°00.28'	S 17°19.63'	65°04.33'	01
02	214°00.21'	S 17°20.32'	80°06.79'	02
03	229°00.14'	S 17°21.01'	95°09.25'	03
04	244°00.08'	S 17°21.71'	110°11.72'	04
05	259°00.01'	S 17°22.40'	125°14.18'	05
06	273°59.94'	S 17°23.09'	140°16.65'	06
07	288°59.87'	S 17°23.78'	155°19.11'	07
08	303°59.80'	S 17°24.47'	170°21.57'	08
09	318°59.73'	S 17°25.16'	185°24.04'	09
10	333°59.66'	S 17°25.85'	200°26.50'	10
11	348°59.59'	S 17°26.53'	215°28.97'	11
12	3°59.52'	S 17°27.22'	230°31.43'	12
13	18°59.45'	S 17°27.91'	245°33.90'	13
14	33°59.38'	S 17°28.60'	260°36.36'	14
15	48°59.31'	S 17°29.28'	275°38.82'	15
16	63°59.24'	S 17°29.97'	290°41.29'	16
17	78°59.17'	S 17°30.65'	305°43.75'	17
18	93°59.09'	S 17°31.34'	320°46.22'	18
19	108°59.02'	S 17°32.02'	335°48.68'	19
20	123°58.95'	S 17°32.70'	350°51.14'	20
21	138°58.88'	S 17°33.39'	5°53.61'	21
22	153°58.80'	S 17°34.07'	20°56.07'	22
23	168°58.73'	S 17°34.75'	35°58.54'	23
24	183°58.65'	S 17°35.43'	51°01.00'	24
½Ø 16.1612'		p.h. (π) 0.1500'		
EoT at 12 UT +15m58s				

**10 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	184°01.82'	S 17°02.14'	49°02.72'	00
01	199°01.76'	S 17°02.85'	64°05.19'	01
02	214°01.71'	S 17°03.55'	79°07.65'	02
03	229°01.65'	S 17°04.26'	94°10.12'	03
04	244°01.59'	S 17°04.96'	109°12.58'	04
05	259°01.53'	S 17°05.66'	124°15.04'	05
06	274°01.47'	S 17°06.37'	139°17.51'	06
07	289°01.41'	S 17°07.07'	154°19.97'	07
08	304°01.35'	S 17°07.77'	169°22.44'	08
09	319°01.29'	S 17°08.47'	184°24.90'	09
10	334°01.23'	S 17°09.17'	199°27.36'	10
11	349°01.17'	S 17°09.88'	214°29.83'	11
12	4°01.11'	S 17°10.58'	229°32.29'	12
13	19°01.05'	S 17°11.27'	244°34.76'	13
14	34°00.98'	S 17°11.97'	259°37.22'	14
15	49°00.92'	S 17°12.67'	274°39.68'	15
16	64°00.86'	S 17°13.37'	289°42.15'	16
17	79°00.80'	S 17°14.07'	304°44.61'	17
18	94°00.73'	S 17°14.76'	319°47.08'	18
19	109°00.67'	S 17°15.46'	334°49.54'	19
20	124°00.60'	S 17°16.16'	349°52.01'	20
21	139°00.54'	S 17°16.85'	4°54.47'	21
22	154°00.47'	S 17°17.55'	19°56.93'	22
23	169°00.41'	S 17°18.24'	34°59.40'	23
24	184°00.34'	S 17°18.94'	50°01.86'	24
½Ø 16.1574'		p.h. (π) 0.1500'		
EoT at 12 UT +16m4s				

**12 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°58.65'	S 17°35.43'	51°01.00'	00
01	198°58.58'	S 17°36.11'	66°03.46'	01
02	213°58.50'	S 17°36.79'	81°05.93'	02
03	228°58.43'	S 17°37.47'	96°08.39'	03
04	243°58.35'	S 17°38.15'	111°10.86'	04
05	258°58.27'	S 17°38.83'	126°13.32'	05
06	273°58.20'	S 17°39.51'	141°15.79'	06
07	288°58.12'	S 17°40.19'	156°18.25'	07
08	303°58.04'	S 17°40.87'	171°20.71'	08
09	318°57.96'	S 17°41.54'	186°23.18'	09
10	333°57.89'	S 17°42.22'	201°25.64'	10
11	348°57.81'	S 17°42.89'	216°28.11'	11
12	3°57.73'	S 17°43.57'	231°30.57'	12
13	18°57.65'	S 17°44.24'	246°33.03'	13
14	33°57.57'	S 17°44.92'	261°35.50'	14
15	48°57.49'	S 17°45.59'	276°37.96'	15
16	63°57.41'	S 17°46.26'	291°40.43'	16
17	78°57.33'	S 17°46.94'	306°42.89'	17
18	93°57.24'	S 17°47.61'	321°45.35'	18
19	108°57.16'	S 17°48.28'	336°47.82'	19
20	123°57.08'	S 17°48.95'	351°50.28'	20
21	138°57.00'	S 17°49.62'	6°52.75'	21
22	153°56.92'	S 17°50.29'	21°55.21'	22
23	168°56.83'	S 17°50.96'	36°57.68'	23
24	183°56.75'	S 17°51.63'	52°00.14'	24
½Ø 16.1650'		p.h. (π) 0.1500'		
EoT at 12 UT +15m51s				

**13 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°56.75'	S 17°51.63'	52°00.14'	00
01	198°56.67'	S 17°52.30'	67°02.60'	01
02	213°56.58'	S 17°52.96'	82°05.07'	02
03	228°56.50'	S 17°53.63'	97°07.53'	03
04	243°56.41'	S 17°54.30'	112°10.00'	04
05	258°56.33'	S 17°54.96'	127°12.46'	05
06	273°56.24'	S 17°55.63'	142°14.92'	06
07	288°56.15'	S 17°56.29'	157°17.39'	07
08	303°56.07'	S 17°56.96'	172°19.85'	08
09	318°55.98'	S 17°57.62'	187°22.32'	09
10	333°55.89'	S 17°58.28'	202°24.78'	10
11	348°55.81'	S 17°58.95'	217°27.24'	11
12	3°55.72'	S 17°59.61'	232°29.71'	12
13	18°55.63'	S 18°00.27'	247°32.17'	13
14	33°55.54'	S 18°00.93'	262°34.64'	14
15	48°55.45'	S 18°01.59'	277°37.10'	15
16	63°55.36'	S 18°02.25'	292°39.57'	16
17	78°55.27'	S 18°02.91'	307°42.03'	17
18	93°55.18'	S 18°03.57'	322°44.49'	18
19	108°55.09'	S 18°04.23'	337°46.96'	19
20	123°55.00'	S 18°04.89'	352°49.42'	20
21	138°54.91'	S 18°05.54'	7°51.89'	21
22	153°54.82'	S 18°06.20'	22°54.35'	22
23	168°54.73'	S 18°06.86'	37°56.81'	23
24	183°54.63'	S 18°07.51'	52°59.28'	24
½Ø 16.1687'		p.h. (π) 0.1500'		
EoT at 12 UT +15m43s				

**15 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°52.31'	S 18°23.08'	53°58.42'	00
01	198°52.21'	S 18°23.72'	69°00.88'	01
02	213°52.10'	S 18°24.36'	84°03.35'	02
03	228°52.00'	S 18°25.00'	99°05.81'	03
04	243°51.90'	S 18°25.64'	114°08.27'	04
05	258°51.80'	S 18°26.28'	129°10.74'	05
06	273°51.69'	S 18°26.92'	144°13.20'	06
07	288°51.59'	S 18°27.56'	159°15.67'	07
08	303°51.49'	S 18°28.20'	174°18.13'	08
09	318°51.38'	S 18°28.83'	189°20.59'	09
10	333°51.28'	S 18°29.47'	204°23.06'	10
11	348°51.17'	S 18°30.11'	219°25.52'	11
12	3°51.07'	S 18°30.74'	234°27.99'	12
13	18°50.96'	S 18°31.38'	249°30.45'	13
14	33°50.85'	S 18°32.01'	264°32.91'	14
15	48°50.75'	S 18°32.65'	279°35.38'	15
16	63°50.64'	S 18°33.28'	294°37.84'	16
17	78°50.53'	S 18°33.91'	309°40.31'	17
18	93°50.42'	S 18°34.54'	324°42.77'	18
19	108°50.32'	S 18°35.18'	339°45.24'	19
20	123°50.21'	S 18°35.81'	354°47.70'	20
21	138°50.10'	S 18°36.44'	9°50.16'	21
22	153°49.99'	S 18°37.07'	24°52.63'	22
23	168°49.88'	S 18°37.70'	39°55.09'	23
24	183°49.77'	S 18°38.32'	54°57.56'	24
½Ø 16.1760'		p.h. (π) 0.1500'		
EoT at 12 UT +15m24s				

**14 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°54.63'	S 18°07.51'	52°59.28'	00
01	198°54.54'	S 18°08.17'	68°01.74'	01
02	213°54.45'	S 18°08.82'	83°04.21'	02
03	228°54.36'	S 18°09.48'	98°06.67'	03
04	243°54.26'	S 18°10.13'	113°09.13'	04
05	258°54.17'	S 18°10.78'	128°11.60'	05
06	273°54.07'	S 18°11.43'	143°14.06'	06
07	288°53.98'	S 18°12.09'	158°16.53'	07
08	303°53.88'	S 18°12.74'	173°18.99'	08
09	318°53.79'	S 18°13.39'	188°21.46'	09
10	333°53.69'	S 18°14.04'	203°23.92'	10
11	348°53.59'	S 18°14.69'	218°26.38'	11
12	3°53.50'	S 18°15.34'	233°28.85'	12
13	18°53.40'	S 18°15.98'	248°31.31'	13
14	33°53.30'	S 18°16.63'	263°33.78'	14
15	48°53.20'	S 18°17.28'	278°36.24'	15
16	63°53.11'	S 18°17.93'	293°38.70'	16
17	78°53.01'	S 18°18.57'	308°41.17'	17
18	93°52.91'	S 18°19.22'	323°43.63'	18
19	108°52.81'	S 18°19.86'	338°46.10'	19
20	123°52.71'	S 18°20.51'	353°48.56'	20
21	138°52.61'	S 18°21.15'	8°51.02'	21
22	153°52.51'	S 18°21.79'	23°53.49'	22
23	168°52.41'	S 18°22.44'	38°55.95'	23
24	183°52.31'	S 18°23.08'	53°58.42'	24
½Ø 16.1724'		p.h. (π) 0.1500'		
EoT at 12 UT +15m34s				

**16 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°49.77'	S 18°38.32'	54°57.56'	00
01	198°49.66'	S 18°38.95'	70°00.02'	01
02	213°49.55'	S 18°39.58'	85°02.48'	02
03	228°49.44'	S 18°40.21'	100°04.95'	03
04	243°49.33'	S 18°40.83'	115°07.41'	04
05	258°49.21'	S 18°41.46'	130°09.88'	05
06	273°49.10'	S 18°42.08'	145°12.34'	06
07	288°48.99'	S 18°42.71'	160°14.80'	07
08	303°48.88'	S 18°43.33'	175°17.27'	08
09	318°48.76'	S 18°43.96'	190°19.73'	09
10	333°48.65'	S 18°44.58'	205°22.20'	10
11	348°48.54'	S 18°45.20'	220°24.66'	11
12	3°48.42'	S 18°45.82'	235°27.13'	12
13	18°48.31'	S 18°46.44'	250°29.59'	13
14	33°48.19'	S 18°47.06'	265°32.05'	14
15	48°48.08'	S 18°47.68'	280°34.52'	15
16	63°47.96'	S 18°48.30'	295°36.98'	16
17	78°47.85'	S 18°48.92'	310°39.45'	17
18	93°47.73'	S 18°49.54'	325°41.91'	18
19	108°47.61'	S 18°50.16'	340°44.37'	19
20	123°47.49'	S 18°50.78'	355°46.84'	20
21	138°47.38'	S 18°51.39'	10°49.30'	21
22	153°47.26'	S 18°52.01'	25°51.77'	22
23	168°47.14'	S 18°52.62'	40°54.23'	23
24	183°47.02'	S 18°53.24'	55°56.69'	24
½Ø 16.1796'		p.h. (π) 0.1500'		
EoT at 12 UT +15m14s				

**17 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°47.02'	S 18°53.24'	55°56.69'	00
01	198°46.90'	S 18°53.85'	70°59.16'	01
02	213°46.78'	S 18°54.47'	86°01.62'	02
03	228°46.66'	S 18°55.08'	101°04.09'	03
04	243°46.54'	S 18°55.69'	116°06.55'	04
05	258°46.42'	S 18°56.30'	131°09.02'	05
06	273°46.30'	S 18°56.92'	146°11.48'	06
07	288°46.18'	S 18°57.53'	161°13.94'	07
08	303°46.06'	S 18°58.14'	176°16.41'	08
09	318°45.94'	S 18°58.75'	191°18.87'	09
10	333°45.82'	S 18°59.35'	206°21.34'	10
11	348°45.69'	S 18°59.96'	221°23.80'	11
12	3°45.57'	S 19°00.57'	236°26.26'	12
13	18°45.45'	S 19°01.18'	251°28.73'	13
14	33°45.32'	S 19°01.78'	266°31.19'	14
15	48°45.20'	S 19°02.39'	281°33.66'	15
16	63°45.07'	S 19°03.00'	296°36.12'	16
17	78°44.95'	S 19°03.60'	311°38.59'	17
18	93°44.82'	S 19°04.21'	326°41.05'	18
19	108°44.70'	S 19°04.81'	341°43.51'	19
20	123°44.57'	S 19°05.41'	356°45.98'	20
21	138°44.45'	S 19°06.01'	11°48.44'	21
22	153°44.32'	S 19°06.62'	26°50.91'	22
23	168°44.19'	S 19°07.22'	41°53.37'	23
24	183°44.07'	S 19°07.82'	56°55.83'	24
½Ø 16.1831'		p.h. (π) 0.1500'		
EoT at 12 UT +15m2s				

**19 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°40.90'	S 19°22.05'	57°54.97'	00
01	198°40.76'	S 19°22.64'	72°57.44'	01
02	213°40.63'	S 19°23.23'	87°59.90'	02
03	228°40.49'	S 19°23.81'	103°02.37'	03
04	243°40.35'	S 19°24.39'	118°04.83'	04
05	258°40.22'	S 19°24.98'	133°07.29'	05
06	273°40.08'	S 19°25.56'	148°09.76'	06
07	288°39.94'	S 19°26.14'	163°12.22'	07
08	303°39.80'	S 19°26.72'	178°14.69'	08
09	318°39.66'	S 19°27.30'	193°17.15'	09
10	333°39.52'	S 19°27.88'	208°19.61'	10
11	348°39.38'	S 19°28.46'	223°22.08'	11
12	3°39.24'	S 19°29.04'	238°24.54'	12
13	18°39.10'	S 19°29.62'	253°27.01'	13
14	33°38.96'	S 19°30.20'	268°29.47'	14
15	48°38.82'	S 19°30.78'	283°31.93'	15
16	63°38.68'	S 19°31.35'	298°34.40'	16
17	78°38.54'	S 19°31.93'	313°36.86'	17
18	93°38.39'	S 19°32.50'	328°39.33'	18
19	108°38.25'	S 19°33.08'	343°41.79'	19
20	123°38.11'	S 19°33.65'	358°44.26'	20
21	138°37.96'	S 19°34.23'	13°46.72'	21
22	153°37.82'	S 19°34.80'	28°49.18'	22
23	168°37.68'	S 19°35.37'	43°51.65'	23
24	183°37.53'	S 19°35.94'	58°54.11'	24
½Ø 16.1900'		p.h. (π) 0.1500'		
EoT at 12 UT +14m37s				

**18 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°44.07'	S 19°07.82'	56°55.83'	00
01	198°43.94'	S 19°08.42'	71°58.30'	01
02	213°43.81'	S 19°09.02'	87°00.76'	02
03	228°43.68'	S 19°09.62'	102°03.23'	03
04	243°43.55'	S 19°10.21'	117°05.69'	04
05	258°43.42'	S 19°10.81'	132°08.15'	05
06	273°43.29'	S 19°11.41'	147°10.62'	06
07	288°43.16'	S 19°12.01'	162°13.08'	07
08	303°43.03'	S 19°12.60'	177°15.55'	08
09	318°42.90'	S 19°13.20'	192°18.01'	09
10	333°42.77'	S 19°13.79'	207°20.48'	10
11	348°42.64'	S 19°14.39'	222°22.94'	11
12	3°42.51'	S 19°14.98'	237°25.40'	12
13	18°42.38'	S 19°15.57'	252°27.87'	13
14	33°42.24'	S 19°16.16'	267°30.33'	14
15	48°42.11'	S 19°16.76'	282°32.80'	15
16	63°41.98'	S 19°17.35'	297°35.26'	16
17	78°41.85'	S 19°17.94'	312°37.72'	17
18	93°41.71'	S 19°18.53'	327°40.19'	18
19	108°41.58'	S 19°19.12'	342°42.65'	19
20	123°41.44'	S 19°19.71'	357°45.12'	20
21	138°41.31'	S 19°20.29'	12°47.58'	21
22	153°41.17'	S 19°20.88'	27°50.04'	22
23	168°41.04'	S 19°21.47'	42°52.51'	23
24	183°40.90'	S 19°22.05'	57°54.97'	24
½Ø 16.1866'		p.h. (π) 0.1500'		
EoT at 12 UT +14m50s				

**20 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°37.53'	S 19°35.94'	58°54.11'	00
01	198°37.39'	S 19°36.51'	73°56.58'	01
02	213°37.24'	S 19°37.08'	88°59.04'	02
03	228°37.10'	S 19°37.65'	104°01.50'	03
04	243°36.95'	S 19°38.22'	119°03.97'	04
05	258°36.80'	S 19°38.79'	134°06.43'	05
06	273°36.66'	S 19°39.36'	149°08.90'	06
07	288°36.51'	S 19°39.93'	164°11.36'	07
08	303°36.36'	S 19°40.49'	179°13.82'	08
09	318°36.21'	S 19°41.06'	194°16.29'	09
10	333°36.07'	S 19°41.63'	209°18.75'	10
11	348°35.92'	S 19°42.19'	224°21.22'	11
12	3°35.77'	S 19°42.75'	239°23.68'	12
13	18°35.62'	S 19°43.32'	254°26.15'	13
14	33°35.47'	S 19°43.88'	269°28.61'	14
15	48°35.32'	S 19°44.44'	284°31.07'	15
16	63°35.17'	S 19°45.00'	299°33.54'	16
17	78°35.02'	S 19°45.57'	314°36.00'	17
18	93°34.87'	S 19°46.13'	329°38.47'	18
19	108°34.72'	S 19°46.69'	344°40.93'	19
20	123°34.57'	S 19°47.25'	359°43.39'	20
21	138°34.41'	S 19°47.80'	14°45.86'	21
22	153°34.26'	S 19°48.36'	29°48.32'	22
23	168°34.11'	S 19°48.92'	44°50.79'	23
24	183°33.96'	S 19°49.48'	59°53.25'	24
½Ø 16.1934'		p.h. (π) 0.1500'		
EoT at 12 UT +14m23s				

**21 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°33.96'	S 19°49.48'	59°53.25'	00
01	198°33.80'	S 19°50.03'	74°55.71'	01
02	213°33.65'	S 19°50.59'	89°58.18'	02
03	228°33.50'	S 19°51.14'	105°00.64'	03
04	243°33.34'	S 19°51.70'	120°03.11'	04
05	258°33.19'	S 19°52.25'	135°05.57'	05
06	273°33.03'	S 19°52.80'	150°08.04'	06
07	288°32.88'	S 19°53.36'	165°10.50'	07
08	303°32.72'	S 19°53.91'	180°12.96'	08
09	318°32.56'	S 19°54.46'	195°15.43'	09
10	333°32.41'	S 19°55.01'	210°17.89'	10
11	348°32.25'	S 19°55.56'	225°20.36'	11
12	3°32.09'	S 19°56.11'	240°22.82'	12
13	18°31.94'	S 19°56.66'	255°25.28'	13
14	33°31.78'	S 19°57.20'	270°27.75'	14
15	48°31.62'	S 19°57.75'	285°30.21'	15
16	63°31.46'	S 19°58.30'	300°32.68'	16
17	78°31.30'	S 19°58.84'	315°35.14'	17
18	93°31.14'	S 19°59.39'	330°37.60'	18
19	108°30.98'	S 19°59.93'	345°40.07'	19
20	123°30.82'	S 20°00.48'	0°42.53'	20
21	138°30.66'	S 20°01.02'	15°45.00'	21
22	153°30.50'	S 20°01.57'	30°47.46'	22
23	168°30.34'	S 20°02.11'	45°49.93'	23
24	183°30.18'	S 20°02.65'	60°52.39'	24
½Ø 16.1967'		p.h. (π) 0.1500'		
EoT at 12 UT +14m8s				

**23 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°26.21'	S 20°15.46'	61°51.53'	00
01	198°26.04'	S 20°15.98'	76°53.99'	01
02	213°25.87'	S 20°16.51'	91°56.46'	02
03	228°25.70'	S 20°17.03'	106°58.92'	03
04	243°25.53'	S 20°17.55'	122°01.38'	04
05	258°25.35'	S 20°18.08'	137°03.85'	05
06	273°25.18'	S 20°18.60'	152°06.31'	06
07	288°25.01'	S 20°19.12'	167°08.78'	07
08	303°24.84'	S 20°19.64'	182°11.24'	08
09	318°24.67'	S 20°20.16'	197°13.71'	09
10	333°24.49'	S 20°20.68'	212°16.17'	10
11	348°24.32'	S 20°21.20'	227°18.63'	11
12	3°24.15'	S 20°21.72'	242°21.10'	12
13	18°23.97'	S 20°22.24'	257°23.56'	13
14	33°23.80'	S 20°22.75'	272°26.03'	14
15	48°23.62'	S 20°23.27'	287°28.49'	15
16	63°23.45'	S 20°23.79'	302°30.95'	16
17	78°23.27'	S 20°24.30'	317°33.42'	17
18	93°23.10'	S 20°24.82'	332°35.88'	18
19	108°22.92'	S 20°25.33'	347°38.35'	19
20	123°22.75'	S 20°25.84'	2°40.81'	20
21	138°22.57'	S 20°26.35'	17°43.27'	21
22	153°22.39'	S 20°26.87'	32°45.74'	22
23	168°22.21'	S 20°27.38'	47°48.20'	23
24	183°22.04'	S 20°27.89'	62°50.67'	24
½Ø 16.2031'		p.h. (π) 0.1500'		
EoT at 12 UT +13m37s				

**22 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°30.18'	S 20°02.65'	60°52.39'	00
01	198°30.02'	S 20°03.19'	75°54.85'	01
02	213°29.86'	S 20°03.73'	90°57.32'	02
03	228°29.70'	S 20°04.27'	105°59.78'	03
04	243°29.53'	S 20°04.81'	121°02.25'	04
05	258°29.37'	S 20°05.35'	136°04.71'	05
06	273°29.21'	S 20°05.89'	151°07.17'	06
07	288°29.04'	S 20°06.42'	166°09.64'	07
08	303°28.88'	S 20°06.96'	181°12.10'	08
09	318°28.71'	S 20°07.49'	196°14.57'	09
10	333°28.55'	S 20°08.03'	211°17.03'	10
11	348°28.38'	S 20°08.56'	226°19.49'	11
12	3°28.22'	S 20°09.10'	241°21.96'	12
13	18°28.05'	S 20°09.63'	256°24.42'	13
14	33°27.89'	S 20°10.16'	271°26.89'	14
15	48°27.72'	S 20°10.70'	286°29.35'	15
16	63°27.55'	S 20°11.23'	301°31.82'	16
17	78°27.39'	S 20°11.76'	316°34.28'	17
18	93°27.22'	S 20°12.29'	331°36.74'	18
19	108°27.05'	S 20°12.82'	346°39.21'	19
20	123°26.88'	S 20°13.35'	1°41.67'	20
21	138°26.71'	S 20°13.87'	16°44.14'	21
22	153°26.55'	S 20°14.40'	31°46.60'	22
23	168°26.38'	S 20°14.93'	46°49.06'	23
24	183°26.21'	S 20°15.46'	61°51.53'	24
½Ø 16.1999'		p.h. (π) 0.1500'		
EoT at 12 UT +13m53s				

**24 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°22.04'	S 20°27.89'	62°50.67'	00
01	198°21.86'	S 20°28.40'	77°53.13'	01
02	213°21.68'	S 20°28.91'	92°55.60'	02
03	228°21.50'	S 20°29.42'	107°58.06'	03
04	243°21.32'	S 20°29.92'	123°00.52'	04
05	258°21.14'	S 20°30.43'	138°02.99'	05
06	273°20.96'	S 20°30.94'	153°05.45'	06
07	288°20.78'	S 20°31.44'	168°07.92'	07
08	303°20.60'	S 20°31.95'	183°10.38'	08
09	318°20.42'	S 20°32.45'	198°12.84'	09
10	333°20.24'	S 20°32.96'	213°15.31'	10
11	348°20.06'	S 20°33.46'	228°17.77'	11
12	3°19.88'	S 20°33.96'	243°20.24'	12
13	18°19.70'	S 20°34.47'	258°22.70'	13
14	33°19.51'	S 20°34.97'	273°25.16'	14
15	48°19.33'	S 20°35.47'	288°27.63'	15
16	63°19.15'	S 20°35.97'	303°30.09'	16
17	78°18.97'	S 20°36.47'	318°32.56'	17
18	93°18.78'	S 20°36.97'	333°35.02'	18
19	108°18.60'	S 20°37.46'	348°37.49'	19
20	123°18.41'	S 20°37.96'	3°39.95'	20
21	138°18.23'	S 20°38.46'	18°42.41'	21
22	153°18.04'	S 20°38.95'	33°44.88'	22
23	168°17.86'	S 20°39.45'	48°47.34'	23
24	183°17.67'	S 20°39.94'	63°49.81'	24
½Ø 16.2063'		p.h. (π) 0.1500'		
EoT at 12 UT +13m20s				

**25 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°17.67'	S 20°39.94'	63°49.81'	00
01	198°17.49'	S 20°40.44'	78°52.27'	01
02	213°17.30'	S 20°40.93'	93°54.73'	02
03	228°17.11'	S 20°41.42'	108°57.20'	03
04	243°16.93'	S 20°41.92'	123°59.66'	04
05	258°16.74'	S 20°42.41'	139°02.13'	05
06	273°16.55'	S 20°42.90'	154°04.59'	06
07	288°16.36'	S 20°43.39'	169°07.05'	07
08	303°16.18'	S 20°43.88'	184°09.52'	08
09	318°15.99'	S 20°44.37'	199°11.98'	09
10	333°15.80'	S 20°44.85'	214°14.45'	10
11	348°15.61'	S 20°45.34'	229°16.91'	11
12	3°15.42'	S 20°45.83'	244°19.38'	12
13	18°15.23'	S 20°46.31'	259°21.84'	13
14	33°15.04'	S 20°46.80'	274°24.30'	14
15	48°14.85'	S 20°47.28'	289°26.77'	15
16	63°14.66'	S 20°47.77'	304°29.23'	16
17	78°14.47'	S 20°48.25'	319°31.70'	17
18	93°14.28'	S 20°48.73'	334°34.16'	18
19	108°14.08'	S 20°49.22'	349°36.62'	19
20	123°13.89'	S 20°49.70'	4°39.09'	20
21	138°13.70'	S 20°50.18'	19°41.55'	21
22	153°13.51'	S 20°50.66'	34°44.02'	22
23	168°13.31'	S 20°51.14'	49°46.48'	23
24	183°13.12'	S 20°51.61'	64°48.94'	24
½Ø 16.2093'		p.h. (π) 0.1500'		
EoT at 12 UT +13m2s				

**27 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°08.38'	S 21°02.90'	65°48.08'	00
01	198°08.18'	S 21°03.36'	80°50.55'	01
02	213°07.98'	S 21°03.82'	95°53.01'	02
03	228°07.78'	S 21°04.28'	110°55.48'	03
04	243°07.57'	S 21°04.74'	125°57.94'	04
05	258°07.37'	S 21°05.20'	141°00.40'	05
06	273°07.17'	S 21°05.66'	156°02.87'	06
07	288°06.96'	S 21°06.11'	171°05.33'	07
08	303°06.76'	S 21°06.57'	186°07.80'	08
09	318°06.56'	S 21°07.03'	201°10.26'	09
10	333°06.35'	S 21°07.48'	216°12.72'	10
11	348°06.15'	S 21°07.94'	231°15.19'	11
12	3°05.94'	S 21°08.39'	246°17.65'	12
13	18°05.74'	S 21°08.84'	261°20.12'	13
14	33°05.53'	S 21°09.30'	276°22.58'	14
15	48°05.33'	S 21°09.75'	291°25.05'	15
16	63°05.12'	S 21°10.20'	306°27.51'	16
17	78°04.91'	S 21°10.65'	321°29.97'	17
18	93°04.71'	S 21°11.10'	336°32.44'	18
19	108°04.50'	S 21°11.55'	351°34.90'	19
20	123°04.29'	S 21°12.00'	6°37.37'	20
21	138°04.09'	S 21°12.44'	21°39.83'	21
22	153°03.88'	S 21°12.89'	36°42.29'	22
23	168°03.67'	S 21°13.34'	51°44.76'	23
24	183°03.46'	S 21°13.78'	66°47.22'	24
½Ø 16.2153'		p.h. (π) 0.1500'		
EoT at 12 UT +12m24s				

**26 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°13.12'	S 20°51.61'	64°48.94'	00
01	198°12.93'	S 20°52.09'	79°51.41'	01
02	213°12.73'	S 20°52.57'	94°53.87'	02
03	228°12.54'	S 20°53.05'	109°56.34'	03
04	243°12.34'	S 20°53.52'	124°58.80'	04
05	258°12.15'	S 20°54.00'	140°01.27'	05
06	273°11.95'	S 20°54.47'	155°03.73'	06
07	288°11.76'	S 20°54.95'	170°06.19'	07
08	303°11.56'	S 20°55.42'	185°08.66'	08
09	318°11.36'	S 20°55.89'	200°11.12'	09
10	333°11.17'	S 20°56.36'	215°13.59'	10
11	348°10.97'	S 20°56.83'	230°16.05'	11
12	3°10.77'	S 20°57.30'	245°18.51'	12
13	18°10.58'	S 20°57.77'	260°20.98'	13
14	33°10.38'	S 20°58.24'	275°23.44'	14
15	48°10.18'	S 20°58.71'	290°25.91'	15
16	63°09.98'	S 20°59.18'	305°28.37'	16
17	78°09.78'	S 20°59.65'	320°30.83'	17
18	93°09.58'	S 21°00.11'	335°33.30'	18
19	108°09.38'	S 21°00.58'	350°35.76'	19
20	123°09.18'	S 21°01.04'	5°38.23'	20
21	138°08.98'	S 21°01.51'	20°40.69'	21
22	153°08.78'	S 21°01.97'	35°43.16'	22
23	168°08.58'	S 21°02.43'	50°45.62'	23
24	183°08.38'	S 21°02.90'	65°48.08'	24
½Ø 16.2123'		p.h. (π) 0.1500'		
EoT at 12 UT +12m43s				

**28 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	183°03.46'	S 21°13.78'	66°47.22'	00
01	198°03.25'	S 21°14.23'	81°49.69'	01
02	213°03.04'	S 21°14.67'	96°52.15'	02
03	228°02.83'	S 21°15.12'	111°54.61'	03
04	243°02.62'	S 21°15.56'	126°57.08'	04
05	258°02.41'	S 21°16.00'	141°59.54'	05
06	273°02.20'	S 21°16.44'	157°02.01'	06
07	288°01.99'	S 21°16.88'	172°04.47'	07
08	303°01.78'	S 21°17.32'	187°06.94'	08
09	318°01.57'	S 21°17.76'	202°09.40'	09
10	333°01.36'	S 21°18.20'	217°11.86'	10
11	348°01.15'	S 21°18.64'	232°14.33'	11
12	3°00.93'	S 21°19.08'	247°16.79'	12
13	18°00.72'	S 21°19.51'	262°19.26'	13
14	33°00.51'	S 21°19.95'	277°21.72'	14
15	48°00.29'	S 21°20.38'	292°24.18'	15
16	63°00.08'	S 21°20.82'	307°26.65'	16
17	77°59.87'	S 21°21.25'	322°29.11'	17
18	92°59.65'	S 21°21.69'	337°31.58'	18
19	107°59.44'	S 21°22.12'	352°34.04'	19
20	122°59.22'	S 21°22.55'	7°36.50'	20
21	137°59.01'	S 21°22.98'	22°38.97'	21
22	152°58.79'	S 21°23.41'	37°41.43'	22
23	167°58.58'	S 21°23.84'	52°43.90'	23
24	182°58.36'	S 21°24.27'	67°46.36'	24
½Ø 16.2181'		p.h. (π) 0.1500'		
EoT at 12 UT +12m4s				

**29 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	182°58.36'	S 21°24.27'	67°46.36'	00
01	197°58.15'	S 21°24.70'	82°48.83'	01
02	212°57.93'	S 21°25.12'	97°51.29'	02
03	227°57.71'	S 21°25.55'	112°53.75'	03
04	242°57.50'	S 21°25.98'	127°56.22'	04
05	257°57.28'	S 21°26.40'	142°58.68'	05
06	272°57.06'	S 21°26.83'	158°01.15'	06
07	287°56.84'	S 21°27.25'	173°03.61'	07
08	302°56.62'	S 21°27.67'	188°06.07'	08
09	317°56.41'	S 21°28.10'	203°08.54'	09
10	332°56.19'	S 21°28.52'	218°11.00'	10
11	347°55.97'	S 21°28.94'	233°13.47'	11
12	2°55.75'	S 21°29.36'	248°15.93'	12
13	17°55.53'	S 21°29.78'	263°18.39'	13
14	32°55.31'	S 21°30.20'	278°20.86'	14
15	47°55.09'	S 21°30.62'	293°23.32'	15
16	62°54.87'	S 21°31.04'	308°25.79'	16
17	77°54.65'	S 21°31.45'	323°28.25'	17
18	92°54.42'	S 21°31.87'	338°30.72'	18
19	107°54.20'	S 21°32.28'	353°33.18'	19
20	122°53.98'	S 21°32.70'	8°35.64'	20
21	137°53.76'	S 21°33.11'	23°38.11'	21
22	152°53.54'	S 21°33.53'	38°40.57'	22
23	167°53.31'	S 21°33.94'	53°43.04'	23
24	182°53.09'	S 21°34.35'	68°45.50'	24
½Ø 16.2209'		p.h. (π) 0.1500'		
EoT at 12 UT +11m43s				

**30 novembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	182°53.09'	S 21°34.35'	68°45.50'	00
01	197°52.87'	S 21°34.76'	83°47.96'	01
02	212°52.64'	S 21°35.17'	98°50.43'	02
03	227°52.42'	S 21°35.58'	113°52.89'	03
04	242°52.20'	S 21°35.99'	128°55.36'	04
05	257°51.97'	S 21°36.40'	143°57.82'	05
06	272°51.75'	S 21°36.81'	159°00.28'	06
07	287°51.52'	S 21°37.21'	174°02.75'	07
08	302°51.30'	S 21°37.62'	189°05.21'	08
09	317°51.07'	S 21°38.02'	204°07.68'	09
10	332°50.84'	S 21°38.43'	219°10.14'	10
11	347°50.62'	S 21°38.83'	234°12.61'	11
12	2°50.39'	S 21°39.24'	249°15.07'	12
13	17°50.16'	S 21°39.64'	264°17.53'	13
14	32°49.94'	S 21°40.04'	279°20.00'	14
15	47°49.71'	S 21°40.44'	294°22.46'	15
16	62°49.48'	S 21°40.84'	309°24.93'	16
17	77°49.25'	S 21°41.24'	324°27.39'	17
18	92°49.03'	S 21°41.64'	339°29.85'	18
19	107°48.80'	S 21°42.04'	354°32.32'	19
20	122°48.57'	S 21°42.44'	9°34.78'	20
21	137°48.34'	S 21°42.83'	24°37.25'	21
22	152°48.11'	S 21°43.23'	39°39.71'	22
23	167°47.88'	S 21°43.63'	54°42.17'	23
24	182°47.65'	S 21°44.02'	69°44.64'	24
½Ø 16.2237'		p.h. (π) 0.1500'		
EoT at 12 UT +11m22s				



**1er décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	182°47.65'	S 21°44.02'	69°44.64'	00
01	197°47.42'	S 21°44.41'	84°47.10'	01
02	212°47.19'	S 21°44.81'	99°49.57'	02
03	227°46.96'	S 21°45.20'	114°52.03'	03
04	242°46.73'	S 21°45.59'	129°54.50'	04
05	257°46.50'	S 21°45.98'	144°56.96'	05
06	272°46.26'	S 21°46.37'	159°59.42'	06
07	287°46.03'	S 21°46.76'	175°01.89'	07
08	302°45.80'	S 21°47.15'	190°04.35'	08
09	317°45.57'	S 21°47.54'	205°06.82'	09
10	332°45.34'	S 21°47.93'	220°09.28'	10
11	347°45.10'	S 21°48.31'	235°11.74'	11
12	2°44.87'	S 21°48.70'	250°14.21'	12
13	17°44.64'	S 21°49.09'	265°16.67'	13
14	32°44.40'	S 21°49.47'	280°19.14'	14
15	47°44.17'	S 21°49.85'	295°21.60'	15
16	62°43.93'	S 21°50.24'	310°24.06'	16
17	77°43.70'	S 21°50.62'	325°26.53'	17
18	92°43.46'	S 21°51.00'	340°28.99'	18
19	107°43.23'	S 21°51.38'	355°31.46'	19
20	122°42.99'	S 21°51.76'	10°33.92'	20
21	137°42.76'	S 21°52.14'	25°36.39'	21
22	152°42.52'	S 21°52.52'	40°38.85'	22
23	167°42.28'	S 21°52.90'	55°41.31'	23
24	182°42.05'	S 21°53.28'	70°43.78'	24
½Ø 16.2264' p.h. (π) 0.1500'				
EoT at 12 UT +10m59s				

**3 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	182°36.29'	S 22°02.11'	71°42.92'	00
01	197°36.04'	S 22°02.47'	86°45.38'	01
02	212°35.80'	S 22°02.83'	101°47.84'	02
03	227°35.56'	S 22°03.19'	116°50.31'	03
04	242°35.31'	S 22°03.54'	131°52.77'	04
05	257°35.07'	S 22°03.90'	146°55.24'	05
06	272°34.82'	S 22°04.25'	161°57.70'	06
07	287°34.58'	S 22°04.61'	177°00.17'	07
08	302°34.33'	S 22°04.96'	192°02.63'	08
09	317°34.09'	S 22°05.32'	207°05.09'	09
10	332°33.84'	S 22°05.67'	222°07.56'	10
11	347°33.60'	S 22°06.02'	237°10.02'	11
12	2°33.35'	S 22°06.37'	252°12.49'	12
13	17°33.10'	S 22°06.72'	267°14.95'	13
14	32°32.86'	S 22°07.07'	282°17.41'	14
15	47°32.61'	S 22°07.42'	297°19.88'	15
16	62°32.36'	S 22°07.77'	312°22.34'	16
17	77°32.11'	S 22°08.11'	327°24.81'	17
18	92°31.87'	S 22°08.46'	342°27.27'	18
19	107°31.62'	S 22°08.81'	357°29.73'	19
20	122°31.37'	S 22°09.15'	12°32.20'	20
21	137°31.12'	S 22°09.49'	27°34.66'	21
22	152°30.87'	S 22°09.84'	42°37.13'	22
23	167°30.62'	S 22°10.18'	57°39.59'	23
24	182°30.37'	S 22°10.52'	72°42.06'	24
½Ø 16.2315' p.h. (π) 0.1500'				
EoT at 12 UT +10m13s				

**2 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	182°42.05'	S 21°53.28'	70°43.78'	00
01	197°41.81'	S 21°53.65'	85°46.24'	01
02	212°41.57'	S 21°54.03'	100°48.71'	02
03	227°41.34'	S 21°54.40'	115°51.17'	03
04	242°41.10'	S 21°54.78'	130°53.63'	04
05	257°40.86'	S 21°55.15'	145°56.10'	05
06	272°40.62'	S 21°55.52'	160°58.56'	06
07	287°40.38'	S 21°55.90'	176°01.03'	07
08	302°40.14'	S 21°56.27'	191°03.49'	08
09	317°39.91'	S 21°56.64'	206°05.95'	09
10	332°39.67'	S 21°57.01'	221°08.42'	10
11	347°39.43'	S 21°57.38'	236°10.88'	11
12	2°39.19'	S 21°57.75'	251°13.35'	12
13	17°38.95'	S 21°58.11'	266°15.81'	13
14	32°38.71'	S 21°58.48'	281°18.28'	14
15	47°38.47'	S 21°58.85'	296°20.74'	15
16	62°38.22'	S 21°59.21'	311°23.20'	16
17	77°37.98'	S 21°59.58'	326°25.67'	17
18	92°37.74'	S 21°59.94'	341°28.13'	18
19	107°37.50'	S 22°00.31'	356°30.60'	19
20	122°37.26'	S 22°00.67'	11°33.06'	20
21	137°37.02'	S 22°01.03'	26°35.52'	21
22	152°36.77'	S 22°01.39'	41°37.99'	22
23	167°36.53'	S 22°01.75'	56°40.45'	23
24	182°36.29'	S 22°02.11'	71°42.92'	24
½Ø 16.2290' p.h. (π) 0.1500'				
EoT at 12 UT +10m37s				

**4 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	182°30.37'	S 22°10.52'	72°42.06'	00
01	197°30.12'	S 22°10.86'	87°44.52'	01
02	212°29.87'	S 22°11.20'	102°46.98'	02
03	227°29.62'	S 22°11.54'	117°49.45'	03
04	242°29.37'	S 22°11.88'	132°51.91'	04
05	257°29.12'	S 22°12.22'	147°54.38'	05
06	272°28.87'	S 22°12.56'	162°56.84'	06
07	287°28.62'	S 22°12.90'	177°59.30'	07
08	302°28.37'	S 22°13.23'	193°01.77'	08
09	317°28.12'	S 22°13.57'	208°04.23'	09
10	332°27.87'	S 22°13.90'	223°06.70'	10
11	347°27.61'	S 22°14.23'	238°09.16'	11
12	2°27.36'	S 22°14.57'	253°11.62'	12
13	17°27.11'	S 22°14.90'	268°14.09'	13
14	32°26.86'	S 22°15.23'	283°16.55'	14
15	47°26.60'	S 22°15.56'	298°19.02'	15
16	62°26.35'	S 22°15.89'	313°21.48'	16
17	77°26.10'	S 22°16.22'	328°23.95'	17
18	92°25.84'	S 22°16.55'	343°26.41'	18
19	107°25.59'	S 22°16.88'	358°28.87'	19
20	122°25.33'	S 22°17.20'	13°31.34'	20
21	137°25.08'	S 22°17.53'	28°33.80'	21
22	152°24.82'	S 22°17.86'	43°36.27'	22
23	167°24.57'	S 22°18.18'	58°38.73'	23
24	182°24.31'	S 22°18.50'	73°41.19'	24
½Ø 16.2340' p.h. (π) 0.1500'				
EoT at 12 UT +9m49s				

**5 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	182°24.31'	S 22°18.50'	73°41.19'	00
01	197°24.06'	S 22°18.83'	88°43.66'	01
02	212°23.80'	S 22°19.15'	103°46.12'	02
03	227°23.55'	S 22°19.47'	118°48.59'	03
04	242°23.29'	S 22°19.79'	133°51.05'	04
05	257°23.03'	S 22°20.11'	148°53.51'	05
06	272°22.78'	S 22°20.43'	163°55.98'	06
07	287°22.52'	S 22°20.75'	178°58.44'	07
08	302°22.26'	S 22°21.07'	194°00.91'	08
09	317°22.01'	S 22°21.39'	209°03.37'	09
10	332°21.75'	S 22°21.70'	224°05.84'	10
11	347°21.49'	S 22°22.02'	239°08.30'	11
12	2°21.23'	S 22°22.33'	254°10.76'	12
13	17°20.97'	S 22°22.65'	269°13.23'	13
14	32°20.71'	S 22°22.96'	284°15.69'	14
15	47°20.46'	S 22°23.27'	299°18.16'	15
16	62°20.20'	S 22°23.59'	314°20.62'	16
17	77°19.94'	S 22°23.90'	329°23.08'	17
18	92°19.68'	S 22°24.21'	344°25.55'	18
19	107°19.42'	S 22°24.52'	359°28.01'	19
20	122°19.16'	S 22°24.83'	14°30.48'	20
21	137°18.90'	S 22°25.13'	29°32.94'	21
22	152°18.64'	S 22°25.44'	44°35.40'	22
23	167°18.38'	S 22°25.75'	59°37.87'	23
24	182°18.11'	S 22°26.05'	74°40.33'	24
½Ø 16.2364' p.h. (π) 0.1500'				
EoT at 12 UT +9m25s				

**7 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	182°11.78'	S 22°33.17'	75°39.47'	00
01	197°11.51'	S 22°33.45'	90°41.94'	01
02	212°11.25'	S 22°33.74'	105°44.40'	02
03	227°10.98'	S 22°34.03'	120°46.86'	03
04	242°10.71'	S 22°34.31'	135°49.33'	04
05	257°10.45'	S 22°34.59'	150°51.79'	05
06	272°10.18'	S 22°34.88'	165°54.26'	06
07	287°09.91'	S 22°35.16'	180°56.72'	07
08	302°09.64'	S 22°35.44'	195°59.18'	08
09	317°09.37'	S 22°35.72'	211°01.65'	09
10	332°09.10'	S 22°36.00'	226°04.11'	10
11	347°08.84'	S 22°36.28'	241°06.58'	11
12	2°08.57'	S 22°36.56'	256°09.04'	12
13	17°08.30'	S 22°36.84'	271°11.51'	13
14	32°08.03'	S 22°37.11'	286°13.97'	14
15	47°07.76'	S 22°37.39'	301°16.43'	15
16	62°07.49'	S 22°37.66'	316°18.90'	16
17	77°07.22'	S 22°37.94'	331°21.36'	17
18	92°06.95'	S 22°38.21'	346°23.83'	18
19	107°06.68'	S 22°38.49'	1°26.29'	19
20	122°06.41'	S 22°38.76'	16°28.75'	20
21	137°06.14'	S 22°39.03'	31°31.22'	21
22	152°05.86'	S 22°39.30'	46°33.68'	22
23	167°05.59'	S 22°39.57'	61°36.15'	23
24	182°05.32'	S 22°39.84'	76°38.61'	24
½Ø 16.2409' p.h. (π) 0.1500'				
EoT at 12 UT +8m34s				

**6 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	182°18.11'	S 22°26.05'	74°40.33'	00
01	197°17.85'	S 22°26.36'	89°42.80'	01
02	212°17.59'	S 22°26.66'	104°45.26'	02
03	227°17.33'	S 22°26.97'	119°47.73'	03
04	242°17.07'	S 22°27.27'	134°50.19'	04
05	257°16.81'	S 22°27.57'	149°52.65'	05
06	272°16.54'	S 22°27.87'	164°55.12'	06
07	287°16.28'	S 22°28.17'	179°57.58'	07
08	302°16.02'	S 22°28.47'	195°00.05'	08
09	317°15.76'	S 22°28.77'	210°02.51'	09
10	332°15.49'	S 22°29.07'	225°04.97'	10
11	347°15.23'	S 22°29.37'	240°07.44'	11
12	2°14.96'	S 22°29.67'	255°09.90'	12
13	17°14.70'	S 22°29.96'	270°12.37'	13
14	32°14.44'	S 22°30.26'	285°14.83'	14
15	47°14.17'	S 22°30.55'	300°17.29'	15
16	62°13.91'	S 22°30.84'	315°19.76'	16
17	77°13.64'	S 22°31.14'	330°22.22'	17
18	92°13.38'	S 22°31.43'	345°24.69'	18
19	107°13.11'	S 22°31.72'	0°27.15'	19
20	122°12.85'	S 22°32.01'	15°29.62'	20
21	137°12.58'	S 22°32.30'	30°32.08'	21
22	152°12.31'	S 22°32.59'	45°34.54'	22
23	167°12.05'	S 22°32.88'	60°37.01'	23
24	182°11.78'	S 22°33.17'	75°39.47'	24
½Ø 16.2387' p.h. (π) 0.1500'				
EoT at 12 UT +8m60s				

**8 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	182°05.32'	S 22°39.84'	76°38.61'	00
01	197°05.05'	S 22°40.11'	91°41.07'	01
02	212°04.78'	S 22°40.37'	106°43.54'	02
03	227°04.50'	S 22°40.64'	121°46.00'	03
04	242°04.23'	S 22°40.91'	136°48.47'	04
05	257°03.96'	S 22°41.17'	151°50.93'	05
06	272°03.69'	S 22°41.44'	166°53.40'	06
07	287°03.41'	S 22°41.70'	181°55.86'	07
08	302°03.14'	S 22°41.96'	196°58.32'	08
09	317°02.87'	S 22°42.23'	212°00.79'	09
10	332°02.59'	S 22°42.49'	227°03.25'	10
11	347°02.32'	S 22°42.75'	242°05.72'	11
12	2°02.05'	S 22°43.01'	257°08.18'	12
13	17°01.77'	S 22°43.27'	272°10.64'	13
14	32°01.50'	S 22°43.53'	287°13.11'	14
15	47°01.22'	S 22°43.78'	302°15.57'	15
16	62°00.95'	S 22°44.04'	317°18.04'	16
17	77°00.67'	S 22°44.30'	332°20.50'	17
18	92°00.40'	S 22°44.55'	347°22.96'	18
19	107°00.12'	S 22°44.81'	2°25.43'	19
20	121°59.84'	S 22°45.06'	17°27.89'	20
21	136°59.57'	S 22°45.31'	32°30.36'	21
22	151°59.29'	S 22°45.56'	47°32.82'	22
23	166°59.02'	S 22°45.82'	62°35.29'	23
24	181°58.74'	S 22°46.07'	77°37.75'	24
½Ø 16.2431' p.h. (π) 0.1500'				
EoT at 12 UT +8m8s				

**9 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	181°58.74'	S 22°46.07'	77°37.75'	00
01	196°58.46'	S 22°46.32'	92°40.21'	01
02	211°58.19'	S 22°46.57'	107°42.68'	02
03	226°57.91'	S 22°46.81'	122°45.14'	03
04	241°57.63'	S 22°47.06'	137°47.61'	04
05	256°57.35'	S 22°47.31'	152°50.07'	05
06	271°57.08'	S 22°47.55'	167°52.53'	06
07	286°56.80'	S 22°47.80'	182°55.00'	07
08	301°56.52'	S 22°48.04'	197°57.46'	08
09	316°56.24'	S 22°48.29'	212°59.93'	09
10	331°55.96'	S 22°48.53'	228°02.39'	10
11	346°55.69'	S 22°48.77'	243°04.85'	11
12	1°55.41'	S 22°49.01'	258°07.32'	12
13	16°55.13'	S 22°49.25'	273°09.78'	13
14	31°54.85'	S 22°49.49'	288°12.25'	14
15	46°54.57'	S 22°49.73'	303°14.71'	15
16	61°54.29'	S 22°49.97'	318°17.18'	16
17	76°54.01'	S 22°50.21'	333°19.64'	17
18	91°53.73'	S 22°50.44'	348°22.10'	18
19	106°53.45'	S 22°50.68'	3°24.57'	19
20	121°53.17'	S 22°50.91'	18°27.03'	20
21	136°52.89'	S 22°51.15'	33°29.50'	21
22	151°52.61'	S 22°51.38'	48°31.96'	22
23	166°52.33'	S 22°51.61'	63°34.42'	23
24	181°52.05'	S 22°51.85'	78°36.89'	24
½Ø 16.2452'		p.h. (π) 0.1500'		
EoT at 12 UT +7m42s				

**11 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	181°45.24'	S 22°57.18'	79°36.03'	00
01	196°44.96'	S 22°57.39'	94°38.49'	01
02	211°44.67'	S 22°57.60'	109°40.96'	02
03	226°44.39'	S 22°57.81'	124°43.42'	03
04	241°44.10'	S 22°58.02'	139°45.88'	04
05	256°43.82'	S 22°58.23'	154°48.35'	05
06	271°43.53'	S 22°58.44'	169°50.81'	06
07	286°43.24'	S 22°58.65'	184°53.28'	07
08	301°42.96'	S 22°58.85'	199°55.74'	08
09	316°42.67'	S 22°59.06'	214°58.20'	09
10	331°42.38'	S 22°59.26'	230°00.67'	10
11	346°42.09'	S 22°59.47'	245°03.13'	11
12	1°41.81'	S 22°59.67'	260°05.60'	12
13	16°41.52'	S 22°59.87'	275°08.06'	13
14	31°41.23'	S 23°00.08'	290°10.52'	14
15	46°40.94'	S 23°00.28'	305°12.99'	15
16	61°40.66'	S 23°00.48'	320°15.45'	16
17	76°40.37'	S 23°00.68'	335°17.92'	17
18	91°40.08'	S 23°00.88'	350°20.38'	18
19	106°39.79'	S 23°01.07'	5°22.85'	19
20	121°39.50'	S 23°01.27'	20°25.31'	20
21	136°39.21'	S 23°01.47'	35°27.77'	21
22	151°38.92'	S 23°01.66'	50°30.24'	22
23	166°38.63'	S 23°01.86'	65°32.70'	23
24	181°38.35'	S 23°02.05'	80°35.17'	24
½Ø 16.2492'		p.h. (π) 0.1500'		
EoT at 12 UT +6m47s				

**10 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	181°52.05'	S 22°51.85'	78°36.89'	00
01	196°51.76'	S 22°52.08'	93°39.35'	01
02	211°51.48'	S 22°52.31'	108°41.82'	02
03	226°51.20'	S 22°52.54'	123°44.28'	03
04	241°50.92'	S 22°52.77'	138°46.74'	04
05	256°50.64'	S 22°52.99'	153°49.21'	05
06	271°50.35'	S 22°53.22'	168°51.67'	06
07	286°50.07'	S 22°53.45'	183°54.14'	07
08	301°49.79'	S 22°53.67'	198°56.60'	08
09	316°49.51'	S 22°53.90'	213°59.07'	09
10	331°49.22'	S 22°54.12'	229°01.53'	10
11	346°48.94'	S 22°54.35'	244°03.99'	11
12	1°48.66'	S 22°54.57'	259°06.46'	12
13	16°48.37'	S 22°54.79'	274°08.92'	13
14	31°48.09'	S 22°55.01'	289°11.39'	14
15	46°47.81'	S 22°55.23'	304°13.85'	15
16	61°47.52'	S 22°55.45'	319°16.31'	16
17	76°47.24'	S 22°55.67'	334°18.78'	17
18	91°46.95'	S 22°55.89'	349°21.24'	18
19	106°46.67'	S 22°56.10'	4°23.71'	19
20	121°46.39'	S 22°56.32'	19°26.17'	20
21	136°46.10'	S 22°56.53'	34°28.63'	21
22	151°45.82'	S 22°56.75'	49°31.10'	22
23	166°45.53'	S 22°56.96'	64°33.56'	23
24	181°45.24'	S 22°57.18'	79°36.03'	24
½Ø 16.2472'		p.h. (π) 0.1500'		
EoT at 12 UT +7m15s				

**12 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	181°38.35'	S 23°02.05'	80°35.17'	00
01	196°38.06'	S 23°02.25'	95°37.63'	01
02	211°37.77'	S 23°02.44'	110°40.09'	02
03	226°37.48'	S 23°02.63'	125°42.56'	03
04	241°37.19'	S 23°02.82'	140°45.02'	04
05	256°36.90'	S 23°03.01'	155°47.49'	05
06	271°36.61'	S 23°03.20'	170°49.95'	06
07	286°36.32'	S 23°03.39'	185°52.41'	07
08	301°36.03'	S 23°03.58'	200°54.88'	08
09	316°35.73'	S 23°03.76'	215°57.34'	09
10	331°35.44'	S 23°03.95'	230°59.81'	10
11	346°35.15'	S 23°04.13'	246°02.27'	11
12	1°34.86'	S 23°04.32'	261°04.74'	12
13	16°34.57'	S 23°04.50'	276°07.20'	13
14	31°34.28'	S 23°04.69'	291°09.66'	14
15	46°33.99'	S 23°04.87'	306°12.13'	15
16	61°33.69'	S 23°05.05'	321°14.59'	16
17	76°33.40'	S 23°05.23'	336°17.06'	17
18	91°33.11'	S 23°05.41'	351°19.52'	18
19	106°32.82'	S 23°05.59'	6°21.98'	19
20	121°32.53'	S 23°05.77'	21°24.45'	20
21	136°32.23'	S 23°05.94'	36°26.91'	21
22	151°31.94'	S 23°06.12'	51°29.38'	22
23	166°31.65'	S 23°06.30'	66°31.84'	23
24	181°31.35'	S 23°06.47'	81°34.30'	24
½Ø 16.2511'		p.h. (π) 0.1500'		
EoT at 12 UT +6m19s				

**13 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	181°31.35'	S 23°06.47'	81°34.30'	00
01	196°31.06'	S 23°06.65'	96°36.77'	01
02	211°30.77'	S 23°06.82'	111°39.23'	02
03	226°30.48'	S 23°06.99'	126°41.70'	03
04	241°30.18'	S 23°07.16'	141°44.16'	04
05	256°29.89'	S 23°07.33'	156°46.63'	05
06	271°29.59'	S 23°07.50'	171°49.09'	06
07	286°29.30'	S 23°07.67'	186°51.55'	07
08	301°29.01'	S 23°07.84'	201°54.02'	08
09	316°28.71'	S 23°08.01'	216°56.48'	09
10	331°28.42'	S 23°08.18'	231°58.95'	10
11	346°28.12'	S 23°08.34'	247°01.41'	11
12	1°27.83'	S 23°08.51'	262°03.87'	12
13	16°27.53'	S 23°08.67'	277°06.34'	13
14	31°27.24'	S 23°08.84'	292°08.80'	14
15	46°26.94'	S 23°09.00'	307°11.27'	15
16	61°26.65'	S 23°09.16'	322°13.73'	16
17	76°26.35'	S 23°09.32'	337°16.19'	17
18	91°26.06'	S 23°09.49'	352°18.66'	18
19	106°25.76'	S 23°09.65'	7°21.12'	19
20	121°25.47'	S 23°09.80'	22°23.59'	20
21	136°25.17'	S 23°09.96'	37°26.05'	21
22	151°24.87'	S 23°10.12'	52°28.52'	22
23	166°24.58'	S 23°10.28'	67°30.98'	23
24	181°24.28'	S 23°10.43'	82°33.44'	24
½Ø 16.2529' p.h. (π) 0.1500'				
EoT at 12 UT +5m51s				

**15 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	181°17.13'	S 23°13.93'	83°32.58'	00
01	196°16.83'	S 23°14.07'	98°35.05'	01
02	211°16.53'	S 23°14.20'	113°37.51'	02
03	226°16.23'	S 23°14.34'	128°39.97'	03
04	241°15.93'	S 23°14.47'	143°42.44'	04
05	256°15.63'	S 23°14.60'	158°44.90'	05
06	271°15.33'	S 23°14.73'	173°47.37'	06
07	286°15.03'	S 23°14.87'	188°49.83'	07
08	301°14.73'	S 23°15.00'	203°52.30'	08
09	316°14.43'	S 23°15.12'	218°54.76'	09
10	331°14.13'	S 23°15.25'	233°57.22'	10
11	346°13.83'	S 23°15.38'	248°59.69'	11
12	1°13.53'	S 23°15.51'	264°02.15'	12
13	16°13.23'	S 23°15.63'	279°04.62'	13
14	31°12.93'	S 23°15.76'	294°07.08'	14
15	46°12.63'	S 23°15.88'	309°09.54'	15
16	61°12.33'	S 23°16.01'	324°12.01'	16
17	76°12.03'	S 23°16.13'	339°14.47'	17
18	91°11.72'	S 23°16.25'	354°16.94'	18
19	106°11.42'	S 23°16.37'	9°19.40'	19
20	121°11.12'	S 23°16.49'	24°21.86'	20
21	136°10.82'	S 23°16.61'	39°24.33'	21
22	151°10.52'	S 23°16.73'	54°26.79'	22
23	166°10.22'	S 23°16.85'	69°29.26'	23
24	181°09.91'	S 23°16.97'	84°31.72'	24
½Ø 16.2562' p.h. (π) 0.1500'				
EoT at 12 UT +4m54s				

**14 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	181°24.28'	S 23°10.43'	82°33.44'	00
01	196°23.98'	S 23°10.59'	97°35.91'	01
02	211°23.69'	S 23°10.74'	112°38.37'	02
03	226°23.39'	S 23°10.90'	127°40.84'	03
04	241°23.09'	S 23°11.05'	142°43.30'	04
05	256°22.80'	S 23°11.20'	157°45.76'	05
06	271°22.50'	S 23°11.35'	172°48.23'	06
07	286°22.20'	S 23°11.50'	187°50.69'	07
08	301°21.91'	S 23°11.65'	202°53.16'	08
09	316°21.61'	S 23°11.80'	217°55.62'	09
10	331°21.31'	S 23°11.95'	232°58.08'	10
11	346°21.01'	S 23°12.09'	248°00.55'	11
12	1°20.72'	S 23°12.24'	263°03.01'	12
13	16°20.42'	S 23°12.39'	278°05.48'	13
14	31°20.12'	S 23°12.53'	293°07.94'	14
15	46°19.82'	S 23°12.67'	308°10.41'	15
16	61°19.52'	S 23°12.82'	323°12.87'	16
17	76°19.22'	S 23°12.96'	338°15.33'	17
18	91°18.93'	S 23°13.10'	353°17.80'	18
19	106°18.63'	S 23°13.24'	8°20.26'	19
20	121°18.33'	S 23°13.38'	23°22.73'	20
21	136°18.03'	S 23°13.52'	38°25.19'	21
22	151°17.73'	S 23°13.66'	53°27.65'	22
23	166°17.43'	S 23°13.80'	68°30.12'	23
24	181°17.13'	S 23°13.93'	83°32.58'	24
½Ø 16.2546' p.h. (π) 0.1500'				
EoT at 12 UT +5m23s				

**16 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	181°09.91'	S 23°16.97'	84°31.72'	00
01	196°09.61'	S 23°17.08'	99°34.19'	01
02	211°09.31'	S 23°17.20'	114°36.65'	02
03	226°09.01'	S 23°17.32'	129°39.11'	03
04	241°08.71'	S 23°17.43'	144°41.58'	04
05	256°08.40'	S 23°17.54'	159°44.04'	05
06	271°08.10'	S 23°17.65'	174°46.51'	06
07	286°07.80'	S 23°17.77'	189°48.97'	07
08	301°07.50'	S 23°17.88'	204°51.43'	08
09	316°07.19'	S 23°17.99'	219°53.90'	09
10	331°06.89'	S 23°18.10'	234°56.36'	10
11	346°06.59'	S 23°18.20'	249°58.83'	11
12	1°06.28'	S 23°18.31'	265°01.29'	12
13	16°05.98'	S 23°18.42'	280°03.76'	13
14	31°05.68'	S 23°18.53'	295°06.22'	14
15	46°05.37'	S 23°18.63'	310°08.68'	15
16	61°05.07'	S 23°18.73'	325°11.15'	16
17	76°04.77'	S 23°18.84'	340°13.61'	17
18	91°04.46'	S 23°18.94'	355°16.08'	18
19	106°04.16'	S 23°19.04'	10°18.54'	19
20	121°03.85'	S 23°19.14'	25°21.00'	20
21	136°03.55'	S 23°19.24'	40°23.47'	21
22	151°03.25'	S 23°19.34'	55°25.93'	22
23	166°02.94'	S 23°19.44'	70°28.40'	23
24	181°02.64'	S 23°19.54'	85°30.86'	24
½Ø 16.2578' p.h. (π) 0.1500'				
EoT at 12 UT +4m25s				

**17 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	181°02.64'	S 23°19.54'	85°30.86'	00
01	196°02.33'	S 23°19.64'	100°33.32'	01
02	211°02.03'	S 23°19.73'	115°35.79'	02
03	226°01.72'	S 23°19.83'	130°38.25'	03
04	241°01.42'	S 23°19.92'	145°40.72'	04
05	256°01.12'	S 23°20.02'	160°43.18'	05
06	271°00.81'	S 23°20.11'	175°45.65'	06
07	286°00.51'	S 23°20.20'	190°48.11'	07
08	301°00.20'	S 23°20.29'	205°50.57'	08
09	315°59.90'	S 23°20.38'	220°53.04'	09
10	330°59.59'	S 23°20.47'	235°55.50'	10
11	345°59.29'	S 23°20.56'	250°57.97'	11
12	0°58.98'	S 23°20.65'	266°00.43'	12
13	15°58.67'	S 23°20.74'	281°02.89'	13
14	30°58.37'	S 23°20.82'	296°05.36'	14
15	45°58.06'	S 23°20.91'	311°07.82'	15
16	60°57.76'	S 23°21.00'	326°10.29'	16
17	75°57.45'	S 23°21.08'	341°12.75'	17
18	90°57.15'	S 23°21.16'	356°15.21'	18
19	105°56.84'	S 23°21.24'	11°17.68'	19
20	120°56.54'	S 23°21.33'	26°20.14'	20
21	135°56.23'	S 23°21.41'	41°22.61'	21
22	150°55.92'	S 23°21.49'	56°25.07'	22
23	165°55.62'	S 23°21.57'	71°27.54'	23
24	180°55.31'	S 23°21.64'	86°30.00'	24
½Ø 16.2593'		p.h. (π) 0.1500'		
EoT at 12 UT +3m56s				

**19 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°47.94'	S 23°23.28'	87°29.14'	00
01	195°47.63'	S 23°23.34'	102°31.60'	01
02	210°47.32'	S 23°23.40'	117°34.07'	02
03	225°47.02'	S 23°23.45'	132°36.53'	03
04	240°46.71'	S 23°23.51'	147°38.99'	04
05	255°46.40'	S 23°23.56'	162°41.46'	05
06	270°46.09'	S 23°23.62'	177°43.92'	06
07	285°45.78'	S 23°23.67'	192°46.39'	07
08	300°45.48'	S 23°23.72'	207°48.85'	08
09	315°45.17'	S 23°23.78'	222°51.32'	09
10	330°44.86'	S 23°23.83'	237°53.78'	10
11	345°44.55'	S 23°23.88'	252°56.24'	11
12	0°44.24'	S 23°23.93'	267°58.71'	12
13	15°43.93'	S 23°23.97'	283°01.17'	13
14	30°43.63'	S 23°24.02'	298°03.64'	14
15	45°43.32'	S 23°24.07'	313°06.10'	15
16	60°43.01'	S 23°24.11'	328°08.56'	16
17	75°42.70'	S 23°24.16'	343°11.03'	17
18	90°42.39'	S 23°24.20'	358°13.49'	18
19	105°42.08'	S 23°24.25'	13°15.96'	19
20	120°41.77'	S 23°24.29'	28°18.42'	20
21	135°41.46'	S 23°24.33'	43°20.88'	21
22	150°41.15'	S 23°24.37'	58°23.35'	22
23	165°40.85'	S 23°24.41'	73°25.81'	23
24	180°40.54'	S 23°24.45'	88°28.28'	24
½Ø 16.2620'		p.h. (π) 0.1500'		
EoT at 12 UT +2m57s				

**18 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°55.31'	S 23°21.64'	86°30.00'	00
01	195°55.00'	S 23°21.72'	101°32.46'	01
02	210°54.70'	S 23°21.80'	116°34.93'	02
03	225°54.39'	S 23°21.88'	131°37.39'	03
04	240°54.09'	S 23°21.95'	146°39.86'	04
05	255°53.78'	S 23°22.02'	161°42.32'	05
06	270°53.47'	S 23°22.10'	176°44.78'	06
07	285°53.17'	S 23°22.17'	191°47.25'	07
08	300°52.86'	S 23°22.24'	206°49.71'	08
09	315°52.55'	S 23°22.31'	221°52.18'	09
10	330°52.24'	S 23°22.38'	236°54.64'	10
11	345°51.94'	S 23°22.45'	251°57.10'	11
12	0°51.63'	S 23°22.52'	266°59.57'	12
13	15°51.32'	S 23°22.59'	282°02.03'	13
14	30°51.02'	S 23°22.66'	297°04.50'	14
15	45°50.71'	S 23°22.72'	312°06.96'	15
16	60°50.40'	S 23°22.79'	327°09.43'	16
17	75°50.09'	S 23°22.85'	342°11.89'	17
18	90°49.79'	S 23°22.92'	357°14.35'	18
19	105°49.48'	S 23°22.98'	12°16.82'	19
20	120°49.17'	S 23°23.04'	27°19.28'	20
21	135°48.86'	S 23°23.10'	42°21.75'	21
22	150°48.56'	S 23°23.16'	57°24.21'	22
23	165°48.25'	S 23°23.22'	72°26.67'	23
24	180°47.94'	S 23°23.28'	87°29.14'	24
½Ø 16.2607'		p.h. (π) 0.1500'		
EoT at 12 UT +3m27s				

**20 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°40.54'	S 23°24.45'	88°28.28'	00
01	195°40.23'	S 23°24.49'	103°30.74'	01
02	210°39.92'	S 23°24.53'	118°33.21'	02
03	225°39.61'	S 23°24.56'	133°35.67'	03
04	240°39.30'	S 23°24.60'	148°38.13'	04
05	255°38.99'	S 23°24.64'	163°40.60'	05
06	270°38.68'	S 23°24.67'	178°43.06'	06
07	285°38.37'	S 23°24.70'	193°45.53'	07
08	300°38.06'	S 23°24.74'	208°47.99'	08
09	315°37.75'	S 23°24.77'	223°50.45'	09
10	330°37.44'	S 23°24.80'	238°52.92'	10
11	345°37.13'	S 23°24.83'	253°55.38'	11
12	0°36.82'	S 23°24.86'	268°57.85'	12
13	15°36.51'	S 23°24.89'	284°00.31'	13
14	30°36.20'	S 23°24.92'	299°02.77'	14
15	45°35.90'	S 23°24.94'	314°05.24'	15
16	60°35.59'	S 23°24.97'	329°07.70'	16
17	75°35.28'	S 23°24.99'	344°10.17'	17
18	90°34.97'	S 23°25.02'	359°12.63'	18
19	105°34.66'	S 23°25.04'	14°15.10'	19
20	120°34.35'	S 23°25.07'	29°17.56'	20
21	135°34.04'	S 23°25.09'	44°20.02'	21
22	150°33.73'	S 23°25.11'	59°22.49'	22
23	165°33.42'	S 23°25.13'	74°24.95'	23
24	180°33.11'	S 23°25.15'	89°27.42'	24
½Ø 16.2632'		p.h. (π) 0.1500'		
EoT at 12 UT +2m27s				

**21 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	180°33.11'	S 23°25.15'	89°27.42'	00
01	195°32.80'	S 23°25.17'	104°29.88'	01
02	210°32.49'	S 23°25.19'	119°32.34'	02
03	225°32.18'	S 23°25.20'	134°34.81'	03
04	240°31.87'	S 23°25.22'	149°37.27'	04
05	255°31.56'	S 23°25.24'	164°39.74'	05
06	270°31.25'	S 23°25.25'	179°42.20'	06
07	285°30.94'	S 23°25.26'	194°44.66'	07
08	300°30.63'	S 23°25.28'	209°47.13'	08
09	315°30.32'	S 23°25.29'	224°49.59'	09
10	330°30.00'	S 23°25.30'	239°52.06'	10
11	345°29.69'	S 23°25.31'	254°54.52'	11
12	0°29.38'	S 23°25.32'	269°56.99'	12
13	15°29.07'	S 23°25.33'	284°59.45'	13
14	30°28.76'	S 23°25.34'	300°01.91'	14
15	45°28.45'	S 23°25.35'	315°04.38'	15
16	60°28.14'	S 23°25.35'	330°06.84'	16
17	75°27.83'	S 23°25.36'	345°09.31'	17
18	90°27.52'	S 23°25.37'	0°11.77'	18
19	105°27.21'	S 23°25.37'	15°14.23'	19
20	120°26.90'	S 23°25.37'	30°16.70'	20
21	135°26.59'	S 23°25.38'	45°19.16'	21
22	150°26.28'	S 23°25.38'	60°21.63'	22
23	165°25.97'	S 23°25.38'	75°24.09'	23
24	180°25.66'	S 23°25.38'	90°26.55'	24
½Ø 16.2644' p.h. (π) 0.1500'				
EoT at 12 UT +1m58s				

**23 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	180°18.20'	S 23°25.14'	91°25.69'	00
01	195°17.89'	S 23°25.12'	106°28.16'	01
02	210°17.58'	S 23°25.09'	121°30.62'	02
03	225°17.27'	S 23°25.07'	136°33.09'	03
04	240°16.96'	S 23°25.05'	151°35.55'	04
05	255°16.65'	S 23°25.03'	166°38.01'	05
06	270°16.34'	S 23°25.00'	181°40.48'	06
07	285°16.03'	S 23°24.98'	196°42.94'	07
08	300°15.72'	S 23°24.95'	211°45.41'	08
09	315°15.41'	S 23°24.92'	226°47.87'	09
10	330°15.10'	S 23°24.90'	241°50.33'	10
11	345°14.79'	S 23°24.87'	256°52.80'	11
12	0°14.47'	S 23°24.84'	271°55.26'	12
13	15°14.16'	S 23°24.81'	286°57.73'	13
14	30°13.85'	S 23°24.78'	302°00.19'	14
15	45°13.54'	S 23°24.75'	317°02.66'	15
16	60°13.23'	S 23°24.71'	332°05.12'	16
17	75°12.92'	S 23°24.68'	347°07.58'	17
18	90°12.61'	S 23°24.65'	2°10.05'	18
19	105°12.30'	S 23°24.61'	17°12.51'	19
20	120°11.99'	S 23°24.58'	32°14.98'	20
21	135°11.68'	S 23°24.54'	47°17.44'	21
22	150°11.37'	S 23°24.50'	62°19.90'	22
23	165°11.06'	S 23°24.46'	77°22.37'	23
24	180°10.75'	S 23°24.42'	92°24.83'	24
½Ø 16.2665' p.h. (π) 0.1500'				
EoT at 12 UT +0m58s				

**22 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	180°25.66'	S 23°25.38'	90°26.55'	00
01	195°25.35'	S 23°25.38'	105°29.02'	01
02	210°25.04'	S 23°25.38'	120°31.48'	02
03	225°24.73'	S 23°25.37'	135°33.95'	03
04	240°24.42'	S 23°25.37'	150°36.41'	04
05	255°24.11'	S 23°25.37'	165°38.88'	05
06	270°23.80'	S 23°25.36'	180°41.34'	06
07	285°23.48'	S 23°25.36'	195°43.80'	07
08	300°23.17'	S 23°25.35'	210°46.27'	08
09	315°22.86'	S 23°25.34'	225°48.73'	09
10	330°22.55'	S 23°25.33'	240°51.20'	10
11	345°22.24'	S 23°25.33'	255°53.66'	11
12	0°21.93'	S 23°25.32'	270°56.12'	12
13	15°21.62'	S 23°25.31'	285°58.59'	13
14	30°21.31'	S 23°25.29'	301°01.05'	14
15	45°21.00'	S 23°25.28'	316°03.52'	15
16	60°20.69'	S 23°25.27'	331°05.98'	16
17	75°20.38'	S 23°25.26'	346°08.44'	17
18	90°20.07'	S 23°25.24'	1°10.91'	18
19	105°19.76'	S 23°25.23'	16°13.37'	19
20	120°19.45'	S 23°25.21'	31°15.84'	20
21	135°19.14'	S 23°25.19'	46°18.30'	21
22	150°18.82'	S 23°25.17'	61°20.77'	22
23	165°18.51'	S 23°25.16'	76°23.23'	23
24	180°18.20'	S 23°25.14'	91°25.69'	24
½Ø 16.2655' p.h. (π) 0.1500'				
EoT at 12 UT +1m28s				

**24 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D	AHso	
00	180°10.75'	S 23°24.42'	92°24.83'	00
01	195°10.44'	S 23°24.38'	107°27.30'	01
02	210°10.13'	S 23°24.34'	122°29.76'	02
03	225°09.82'	S 23°24.30'	137°32.22'	03
04	240°09.50'	S 23°24.26'	152°34.69'	04
05	255°09.19'	S 23°24.22'	167°37.15'	05
06	270°08.88'	S 23°24.17'	182°39.62'	06
07	285°08.57'	S 23°24.13'	197°42.08'	07
08	300°08.26'	S 23°24.08'	212°44.55'	08
09	315°07.95'	S 23°24.04'	227°47.01'	09
10	330°07.64'	S 23°23.99'	242°49.47'	10
11	345°07.33'	S 23°23.94'	257°51.94'	11
12	0°07.02'	S 23°23.89'	272°54.40'	12
13	15°06.71'	S 23°23.84'	287°56.87'	13
14	30°06.40'	S 23°23.79'	302°59.33'	14
15	45°06.09'	S 23°23.74'	318°01.79'	15
16	60°05.78'	S 23°23.69'	333°04.26'	16
17	75°05.47'	S 23°23.63'	348°06.72'	17
18	90°05.16'	S 23°23.58'	3°09.19'	18
19	105°04.85'	S 23°23.53'	18°11.65'	19
20	120°04.54'	S 23°23.47'	33°14.11'	20
21	135°04.23'	S 23°23.41'	48°16.58'	21
22	150°03.92'	S 23°23.36'	63°19.04'	22
23	165°03.61'	S 23°23.30'	78°21.51'	23
24	180°03.30'	S 23°23.24'	93°23.97'	24
½Ø 16.2674' p.h. (π) 0.1500'				
EoT at 12 UT +0m28s				

**25 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	180°03.30'	S 23°23.24'	93°23.97'	00
01	195°02.99'	S 23°23.18'	108°26.44'	01
02	210°02.68'	S 23°23.12'	123°28.90'	02
03	225°02.37'	S 23°23.06'	138°31.36'	03
04	240°02.06'	S 23°23.00'	153°33.83'	04
05	255°01.75'	S 23°22.94'	168°36.29'	05
06	270°01.44'	S 23°22.87'	183°38.76'	06
07	285°01.13'	S 23°22.81'	198°41.22'	07
08	300°00.82'	S 23°22.74'	213°43.68'	08
09	315°00.51'	S 23°22.68'	228°46.15'	09
10	330°00.20'	S 23°22.61'	243°48.61'	10
11	344°59.89'	S 23°22.54'	258°51.08'	11
12	359°59.58'	S 23°22.47'	273°53.54'	12
13	14°59.27'	S 23°22.40'	288°56.00'	13
14	29°58.96'	S 23°22.33'	303°58.47'	14
15	44°58.65'	S 23°22.26'	319°00.93'	15
16	59°58.34'	S 23°22.19'	334°03.40'	16
17	74°58.03'	S 23°22.12'	349°05.86'	17
18	89°57.72'	S 23°22.05'	4°08.33'	18
19	104°57.41'	S 23°21.97'	19°10.79'	19
20	119°57.11'	S 23°21.90'	34°13.25'	20
21	134°56.80'	S 23°21.82'	49°15.72'	21
22	149°56.49'	S 23°21.74'	64°18.18'	22
23	164°56.18'	S 23°21.67'	79°20.65'	23
24	179°55.87'	S 23°21.59'	94°23.11'	24
½Ø 16.2682'		p.h. (π) 0.1500'		
EoT at 12 UT -0m2s				

**27 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°48.46'	S 23°19.47'	95°22.25'	00
01	194°48.16'	S 23°19.37'	110°24.71'	01
02	209°47.85'	S 23°19.27'	125°27.18'	02
03	224°47.54'	S 23°19.17'	140°29.64'	03
04	239°47.23'	S 23°19.07'	155°32.11'	04
05	254°46.92'	S 23°18.97'	170°34.57'	05
06	269°46.62'	S 23°18.86'	185°37.03'	06
07	284°46.31'	S 23°18.76'	200°39.50'	07
08	299°46.00'	S 23°18.66'	215°41.96'	08
09	314°45.69'	S 23°18.55'	230°44.43'	09
10	329°45.39'	S 23°18.44'	245°46.89'	10
11	344°45.08'	S 23°18.34'	260°49.35'	11
12	359°44.77'	S 23°18.23'	275°51.82'	12
13	14°44.47'	S 23°18.12'	290°54.28'	13
14	29°44.16'	S 23°18.01'	305°56.75'	14
15	44°43.85'	S 23°17.90'	320°59.21'	15
16	59°43.54'	S 23°17.79'	336°01.67'	16
17	74°43.24'	S 23°17.68'	351°04.14'	17
18	89°42.93'	S 23°17.57'	6°06.60'	18
19	104°42.62'	S 23°17.45'	21°09.07'	19
20	119°42.32'	S 23°17.34'	36°11.53'	20
21	134°42.01'	S 23°17.23'	51°14.00'	21
22	149°41.70'	S 23°17.11'	66°16.46'	22
23	164°41.40'	S 23°16.99'	81°18.92'	23
24	179°41.09'	S 23°16.88'	96°21.39'	24
½Ø 16.2696'		p.h. (π) 0.1500'		
EoT at 12 UT -1m1s				

**26 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°55.87'	S 23°21.59'	94°23.11'	00
01	194°55.56'	S 23°21.51'	109°25.57'	01
02	209°55.25'	S 23°21.43'	124°28.04'	02
03	224°54.94'	S 23°21.35'	139°30.50'	03
04	239°54.63'	S 23°21.27'	154°32.97'	04
05	254°54.32'	S 23°21.19'	169°35.43'	05
06	269°54.01'	S 23°21.10'	184°37.89'	06
07	284°53.71'	S 23°21.02'	199°40.36'	07
08	299°53.40'	S 23°20.93'	214°42.82'	08
09	314°53.09'	S 23°20.85'	229°45.29'	09
10	329°52.78'	S 23°20.76'	244°47.75'	10
11	344°52.47'	S 23°20.67'	259°50.22'	11
12	359°52.16'	S 23°20.59'	274°52.68'	12
13	14°51.85'	S 23°20.50'	289°55.14'	13
14	29°51.55'	S 23°20.41'	304°57.61'	14
15	44°51.24'	S 23°20.32'	320°00.07'	15
16	59°50.93'	S 23°20.23'	335°02.54'	16
17	74°50.62'	S 23°20.13'	350°05.00'	17
18	89°50.31'	S 23°20.04'	5°07.46'	18
19	104°50.00'	S 23°19.95'	20°09.93'	19
20	119°49.70'	S 23°19.85'	35°12.39'	20
21	134°49.39'	S 23°19.76'	50°14.86'	21
22	149°49.08'	S 23°19.66'	65°17.32'	22
23	164°48.77'	S 23°19.56'	80°19.78'	23
24	179°48.46'	S 23°19.47'	95°22.25'	24
½Ø 16.2690'		p.h. (π) 0.1500'		
EoT at 12 UT -0m31s				

**28 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°41.09'	S 23°16.88'	96°21.39'	00
01	194°40.79'	S 23°16.76'	111°23.85'	01
02	209°40.48'	S 23°16.64'	126°26.32'	02
03	224°40.17'	S 23°16.52'	141°28.78'	03
04	239°39.87'	S 23°16.40'	156°31.24'	04
05	254°39.56'	S 23°16.28'	171°33.71'	05
06	269°39.26'	S 23°16.16'	186°36.17'	06
07	284°38.95'	S 23°16.03'	201°38.64'	07
08	299°38.64'	S 23°15.91'	216°41.10'	08
09	314°38.34'	S 23°15.78'	231°43.56'	09
10	329°38.03'	S 23°15.66'	246°46.03'	10
11	344°37.73'	S 23°15.53'	261°48.49'	11
12	359°37.42'	S 23°15.41'	276°50.96'	12
13	14°37.12'	S 23°15.28'	291°53.42'	13
14	29°36.81'	S 23°15.15'	306°55.89'	14
15	44°36.51'	S 23°15.02'	321°58.35'	15
16	59°36.20'	S 23°14.89'	337°00.81'	16
17	74°35.90'	S 23°14.76'	352°03.28'	17
18	89°35.59'	S 23°14.63'	7°05.74'	18
19	104°35.29'	S 23°14.49'	22°08.21'	19
20	119°34.98'	S 23°14.36'	37°10.67'	20
21	134°34.68'	S 23°14.23'	52°13.13'	21
22	149°34.37'	S 23°14.09'	67°15.60'	22
23	164°34.07'	S 23°13.96'	82°18.06'	23
24	179°33.76'	S 23°13.82'	97°20.53'	24
½Ø 16.2702'		p.h. (π) 0.1500'		
EoT at 12 UT -1m30s				

**29 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°33.76'	S 23°13.82'	97°20.53'	00
01	194°33.46'	S 23°13.68'	112°22.99'	01
02	209°33.15'	S 23°13.54'	127°25.45'	02
03	224°32.85'	S 23°13.40'	142°27.92'	03
04	239°32.55'	S 23°13.26'	157°30.38'	04
05	254°32.24'	S 23°13.12'	172°32.85'	05
06	269°31.94'	S 23°12.98'	187°35.31'	06
07	284°31.63'	S 23°12.84'	202°37.78'	07
08	299°31.33'	S 23°12.70'	217°40.24'	08
09	314°31.03'	S 23°12.55'	232°42.70'	09
10	329°30.72'	S 23°12.41'	247°45.17'	10
11	344°30.42'	S 23°12.26'	262°47.63'	11
12	359°30.12'	S 23°12.12'	277°50.10'	12
13	14°29.81'	S 23°11.97'	292°52.56'	13
14	29°29.51'	S 23°11.82'	307°55.02'	14
15	44°29.21'	S 23°11.67'	322°57.49'	15
16	59°28.90'	S 23°11.52'	337°59.95'	16
17	74°28.60'	S 23°11.37'	353°02.42'	17
18	89°28.30'	S 23°11.22'	8°04.88'	18
19	104°28.00'	S 23°11.07'	23°07.34'	19
20	119°27.69'	S 23°10.92'	38°09.81'	20
21	134°27.39'	S 23°10.76'	53°12.27'	21
22	149°27.09'	S 23°10.61'	68°14.74'	22
23	164°26.79'	S 23°10.45'	83°17.20'	23
24	179°26.48'	S 23°10.30'	98°19.67'	24
½Ø 16.2707'		p.h. (π) 0.1500'		
EoT at 12 UT -1m60s				

**30 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°26.48'	S 23°10.30'	98°19.67'	00
01	194°26.18'	S 23°10.14'	113°22.13'	01
02	209°25.88'	S 23°09.98'	128°24.59'	02
03	224°25.58'	S 23°09.82'	143°27.06'	03
04	239°25.28'	S 23°09.66'	158°29.52'	04
05	254°24.98'	S 23°09.50'	173°31.99'	05
06	269°24.67'	S 23°09.34'	188°34.45'	06
07	284°24.37'	S 23°09.18'	203°36.91'	07
08	299°24.07'	S 23°09.02'	218°39.38'	08
09	314°23.77'	S 23°08.86'	233°41.84'	09
10	329°23.47'	S 23°08.69'	248°44.31'	10
11	344°23.17'	S 23°08.53'	263°46.77'	11
12	359°22.87'	S 23°08.36'	278°49.23'	12
13	14°22.57'	S 23°08.19'	293°51.70'	13
14	29°22.27'	S 23°08.03'	308°54.16'	14
15	44°21.96'	S 23°07.86'	323°56.63'	15
16	59°21.66'	S 23°07.69'	338°59.09'	16
17	74°21.36'	S 23°07.52'	354°01.56'	17
18	89°21.06'	S 23°07.35'	9°04.02'	18
19	104°20.76'	S 23°07.18'	24°06.48'	19
20	119°20.46'	S 23°07.01'	39°08.95'	20
21	134°20.16'	S 23°06.83'	54°11.41'	21
22	149°19.86'	S 23°06.66'	69°13.88'	22
23	164°19.56'	S 23°06.48'	84°16.34'	23
24	179°19.26'	S 23°06.31'	99°18.80'	24
½Ø 16.2711'		p.h. (π) 0.1500'		
EoT at 12 UT -2m29s				

**31 décembre 2010**

UT	Soleil ☉		Pt Vernal ♈	UT
	AHvo	D		
00	179°19.26'	S 23°06.31'	99°18.80'	00
01	194°18.97'	S 23°06.13'	114°21.27'	01
02	209°18.67'	S 23°05.96'	129°23.73'	02
03	224°18.37'	S 23°05.78'	144°26.20'	03
04	239°18.07'	S 23°05.60'	159°28.66'	04
05	254°17.77'	S 23°05.42'	174°31.12'	05
06	269°17.47'	S 23°05.24'	189°33.59'	06
07	284°17.17'	S 23°05.06'	204°36.05'	07
08	299°16.87'	S 23°04.88'	219°38.52'	08
09	314°16.57'	S 23°04.70'	234°40.98'	09
10	329°16.28'	S 23°04.51'	249°43.45'	10
11	344°15.98'	S 23°04.33'	264°45.91'	11
12	359°15.68'	S 23°04.14'	279°48.37'	12
13	14°15.38'	S 23°03.96'	294°50.84'	13
14	29°15.08'	S 23°03.77'	309°53.30'	14
15	44°14.79'	S 23°03.58'	324°55.77'	15
16	59°14.49'	S 23°03.39'	339°58.23'	16
17	74°14.19'	S 23°03.21'	355°00.69'	17
18	89°13.89'	S 23°03.02'	10°03.16'	18
19	104°13.60'	S 23°02.83'	25°05.62'	19
20	119°13.30'	S 23°02.63'	40°08.09'	20
21	134°13.00'	S 23°02.44'	55°10.55'	21
22	149°12.70'	S 23°02.25'	70°13.01'	22
23	164°12.41'	S 23°02.06'	85°15.48'	23
24	179°12.11'	S 23°01.86'	100°17.94'	24
½Ø 16.2714'		p.h. (π) 0.1500'		
EoT at 12 UT -2m57s				



