

# EFEMÉRIDES CIENTÍFICA E SIMPLIFICADA – ROSACRUZ

## CALCULADA PARA O MEIO-DIA DE GREENWICH

JANEIRO DE 2003

### Longitude dos Astros

Tropical Ephemeris - quarta-feira, 01 jan 2003 at noon, Greenwich SVP = 05 x 13.31 True Ayanamsa = 23d 53m 40s Julian Day = 2452641.0												
Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "
01 jan	18 42 55.2	10 v 39.3	23 x 07.0	28 v 19.2	24 m 08.9	19 m 54.1	16 R 509	24 x 244	26 x 17.6	09 x 35.5	18 x 18.3	08 x 269
02 jan	18 46 51.8	11 v 40.5	07 v 09.7	28 v 27.6	25 m 05.7	20 m 32.8	16 R 456	24 x 198	26 x 20.3	09 x 37.6	18 x 20.5	08 x 246
03 jan	18 50 48.3	12 v 41.7	20 v 58.6	28 v 248	26 m 03.1	21 m 11.5	16 R 401	24 x 152	26 x 23.0	09 x 39.6	18 x 22.6	08 x 207
04 jan	18 54 44.9	13 v 42.9	04 x 30.0	28 v 104	27 m 01.0	21 m 50.2	16 R 345	24 x 107	26 x 25.8	09 x 41.7	18 x 24.8	08 x 153
05 jan	18 58 41.5	14 v 44.1	17 x 41.7	27 v 442	27 m 59.4	22 m 28.8	16 R 287	24 x 062	26 x 28.5	09 x 43.8	18 x 26.9	08 x 090
06 jan	19 2 38.0	15 v 45.2	00 x 33.2	27 v 062	28 m 58.3	23 m 07.5	16 R 228	24 x 018	26 x 31.4	09 x 45.9	18 x 29.0	08 x 026
07 jan	19 6 34.6	16 v 46.4	13 x 05.2	26 v 170	29 m 57.6	23 m 46.2	16 R 167	23 x 574	26 x 34.2	09 x 48.1	18 x 31.1	07 x 568
08 jan	19 10 31.1	17 v 47.6	25 x 20.4	25 v 178	00 x 57.4	24 m 24.9	16 R 105	23 x 531	26 x 37.0	09 x 50.2	18 x 33.1	07 x 523
09 jan	19 14 27.7	18 v 48.7	07 x 22.2	24 v 101	01 x 57.7	25 m 03.5	16 R 042	23 x 489	26 x 39.9	09 x 52.4	18 x 35.2	07 x 495
10 jan	19 18 24.2	19 v 49.9	19 x 15.4	22 v 559	02 x 58.3	25 m 42.2	15 R 578	23 x 447	26 x 42.9	09 x 54.5	18 x 37.2	07 x 483
11 jan	19 22 20.8	20 v 51.0	01 R 04.9	21 v 376	03 x 59.3	26 m 20.9	15 R 512	23 x 405	26 x 45.8	09 x 56.7	18 x 39.2	07 x 48.6
12 jan	19 26 17.3	21 v 52.2	12 R 55.9	20 v 178	05 x 00.8	26 m 59.6	15 R 445	23 x 365	26 x 48.8	09 x 58.9	18 x 41.2	07 x 49.7
13 jan	19 30 13.9	22 v 53.3	24 R 53.7	18 v 589	06 x 02.6	27 m 38.2	15 R 377	23 x 325	26 x 51.8	10 x 01.1	18 x 43.2	07 x 50.7
14 jan	19 34 10.5	23 v 54.4	07 x 02.9	17 v 433	07 x 04.8	28 m 16.9	15 R 308	23 x 286	26 x 54.8	10 x 03.3	18 x 45.2	07 x 50.8
15 jan	19 38 7.0	24 v 55.5	19 x 27.5	16 v 331	08 x 07.3	28 m 55.6	15 R 237	23 x 247	26 x 57.9	10 x 05.5	18 x 47.1	07 x 492
16 jan	19 42 3.6	25 v 56.6	02 R 10.4	15 v 300	09 x 10.2	29 m 34.3	15 R 166	23 x 210	27 x 00.9	10 x 07.7	18 x 49.1	07 x 455
17 jan	19 46 0.1	26 v 57.7	15 R 13.2	14 v 351	10 x 13.4	00 x 12.9	15 R 094	23 x 173	27 x 04.0	10 x 09.9	18 x 51.0	07 x 396
18 jan	19 49 56.7	27 v 58.7	28 R 35.6	13 v 492	11 x 16.9	00 x 51.6	15 R 021	23 x 137	27 x 07.1	10 x 12.2	18 x 52.9	07 x 319
19 jan	19 53 53.2	28 v 59.8	12 R 15.8	13 v 127	12 x 20.7	01 x 30.3	14 R 547	23 x 101	27 x 10.3	10 x 14.4	18 x 54.7	07 x 230
20 jan	19 57 49.8	00 x 00.8	26 R 10.6	12 v 457	13 x 24.8	02 x 08.9	14 R 472	23 x 067	27 x 13.4	10 x 16.7	18 x 56.6	07 x 138
21 jan	20 1 46.3	01 x 01.9	10 m 15.6	12 v 280	14 x 29.2	02 x 47.6	14 R 396	23 x 033	27 x 16.6	10 x 18.9	18 x 58.4	07 x 053
22 jan	20 5 42.9	02 x 02.9	24 m 26.4	12 v 192	15 x 33.9	03 x 26.3	14 R 320	23 x 000	27 x 19.8	10 x 21.2	19 x 00.2	06 x 585
23 jan	20 9 39.4	03 x 04.0	08 x 39.0	12 v 188	16 x 38.9	04 x 05.0	14 R 243	23 x 569	27 x 23.0	10 x 23.4	19 x 02.0	06 x 537
24 jan	20 13 36.0	04 x 05.0	22 x 50.1	12 v 26.3	17 x 44.2	04 x 43.6	14 R 166	22 x 537	27 x 26.3	10 x 25.7	19 x 03.8	06 x 511
25 jan	20 17 32.6	05 x 06.0	06 m 57.7	12 v 41.1	18 x 49.6	05 x 22.3	14 R 088	22 x 507	27 x 29.5	10 x 28.0	19 x 05.5	06 x 503
26 jan	20 21 29.1	06 x 07.0	21 m 00.6	13 v 02.6	19 x 55.4	06 x 01.0	14 R 010	22 x 478	27 x 32.8	10 x 30.2	19 x 07.2	06 x 50.7
27 jan	20 25 25.7	07 x 08.0	04 x 58.0	13 v 30.3	21 x 01.3	06 x 39.6	13 R 531	22 x 450	27 x 36.1	10 x 32.5	19 x 08.9	06 x 51.2
28 jan	20 29 22.2	08 x 09.0	18 x 49.4	14 v 03.5	22 x 07.5	07 x 18.3	13 R 451	22 x 423	27 x 39.4	10 x 34.8	19 x 10.6	06 x 507
29 jan	20 33 18.8	09 x 10.0	02 v 33.7	14 v 41.8	23 x 13.9	07 x 57.0	13 R 372	22 x 396	27 x 42.7	10 x 37.1	19 x 12.2	06 x 483
30 jan	20 37 15.3	10 x 10.9	16 v 09.6	15 v 24.8	24 x 20.5	08 x 35.6	13 R 292	22 x 371	27 x 46.1	10 x 39.4	19 x 13.9	06 x 435
31 jan	20 41 11.9	11 x 11.9	29 v 35.1	16 v 12.0	25 x 27.3	09 x 14.2	13 R 212	22 x 347	27 x 49.4	10 x 41.6	19 x 15.5	06 x 361

### Declinação dos Astros

Tropical Ephemeris - quarta-feira, 01 jan 2003 at noon, Greenwich SVP = 05 x 13.31 True Ayanamsa = 23d 53m 40s Julian Day = 2452641.0												
Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "
01 jan	18 42 55.2	23 s 00.7	24 s 34.7	20 s 33.6	15 s 21.3	17 s 03.5	16 n 31.4	22 n 02.3	13 s 25.7	17 s 48.7	13 s 45.5	21 n 42.8
02 jan	18 46 51.8	22 s 55.6	25 s 44.7	20 s 15.2	15 s 34.3	17 s 14.3	16 n 33.2	22 n 02.3	13 s 24.8	17 s 48.2	13 s 45.7	21 n 42.4
03 jan	18 50 48.3	22 s 50.0	25 s 16.7	19 s 58.1	15 s 47.4	17 s 24.9	16 n 35.0	22 n 02.2	13 s 23.8	17 s 47.6	13 s 45.8	21 n 41.8
04 jan	18 54 44.9	22 s 44.0	23 s 19.2	19 s 42.7	16 s 00.4	17 s 35.5	16 n 36.9	22 n 02.2	13 s 22.9	17 s 47.1	13 s 45.9	21 n 41.0
05 jan	18 58 41.5	22 s 37.5	20 s 08.6	19 s 29.1	16 s 13.4	17 s 45.9	16 n 38.8	22 n 02.1	13 s 21.9	17 s 46.5	13 s 46.1	21 n 40.0
06 jan	19 2 38.0	22 s 30.5	16 s 04.2	19 s 17.6	16 s 26.3	17 s 56.1	16 n 40.8	22 n 02.1	13 s 20.9	17 s 46.0	13 s 46.2	21 n 38.9
07 jan	19 6 34.6	22 s 23.2	11 s 24.0	19 s 08.2	16 s 39.1	18 s 06.3	16 n 42.8	22 n 02.1	13 s 20.0	17 s 45.4	13 s 46.3	21 n 38.0
08 jan	19 10 31.1	22 s 15.4	06 s 23.0	19 s 00.9	16 s 51.8	18 s 16.3	16 n 44.9	22 n 02.0	13 s 19.0	17 s 44.9	13 s 46.4	21 n 37.3
09 jan	19 14 27.7	22 s 07.1	01 s 13.0	18 s 55.8	17 s 04.4	18 s 26.1	16 n 46.9	22 n 02.0	13 s 18.0	17 s 44.3	13 s 46.5	21 n 36.8
10 jan	19 18 24.2	21 s 58.4	03 s 56.3	18 s 52.7	17 s 16.9	18 s 35.9	16 n 49.1	22 n 01.9	13 s 16.9	17 s 43.7	13 s 46.6	21 n 36.6
11 jan	19 22 20.8	21 s 49.3	08 n 56.3	18 s 51.5	17 s 29.2	18 s 45.5	16 n 51.2	22 n 01.9	13 s 15.9	17 s 43.1	13 s 46.7	21 n 36.7
12 jan	19 26 17.3	21 s 39.8	13 n 38.2	18 s 52.1	17 s 41.3	18 s 55.0	16 n 53.4	22 n 01.9	13 s 14.9	17 s 42.6	13 s 46.8	21 n 36.9
13 jan	19 30 13.9	21 s 29.8	17 n 51.7	18 s 54.2	17 s 53.2	19 s 04.3	16 n 55.6	22 n 01.9	13 s 13.8	17 s 42.0	13 s 46.9	21 n 37.0
14 jan	19 34 10.5	21 s 19.5	21 n 24.7	18 s 57.6	18 s 04.9	19 s 13.5	16 n 57.8	22 n 01.9	13 s 12.8	17 s 41.4	13 s 47.0	21 n 37.0
15 jan	19 38 7.0	21 s 08.7	24 n 03.1	19 s 02.3	18 s 16.3	19 s 22.5	17 n 00.1	22 n 01.8	13 s 11.7	17 s 40.8	13 s 47.1	21 n 36.8
16 jan	19 42 3.6	20 s 57.5	25 n 32.4	19 s 08.0	18 s 27.6	19 s 31.4	17 n 02.3	22 n 01.8	13 s 10.7	17 s 40.2	13 s 47.1	21 n 36.2
17 jan	19 46 0.1	20 s 45.9	25 n 40.2	19 s 14.6	18 s 38.5	19 s 40.2	17 n 04.6	22 n 01.8	13 s 09.6	17 s 39.7	13 s 47.2	21 n 35.2
18 jan	19 49 56.7	20 s 33.9	24 n 19.7	19 s 21.9	18 s 49.2	19 s 48.8	17 n 07.0	22 n 01.8	13 s 08.5	17 s 39.1	13 s 47.2	21 n 34.0
19 jan	19 53 53.2	20 s 21.6	21 n 32.8	19 s 29.8	18 s 59.5	19 s 57.3	17 n 09.3	22 n 01.8	13 s 07.4	17 s 38.5	13 s 47.3	21 n 32.5
20 jan	19 57 49.8	20 s 08.8	17 n 29.4	19 s 38.1	19 s 09.6	20 s 05.6	17 n 11.6	22 n 01.8	13 s 06.3	17 s 37.9	13 s 47.3	21 n 31.0
21 jan	20 1 46.3	19 s 55.7	12 n 25.6	19 s 46.8	19 s 19.3	20 s 13.8	17 n 14.0	22 n 01.8	13 s 05.2	17 s 37.3	13 s 47.3	21 n 29.6
22 jan	20 5 42.9	19 s 42.2	06 n 40.4	19 s 55.6	19 s 28.7	20 s 21.9	17 n 16.4	22 n 01.9	13 s 04.1	17 s 36.7	13 s 47.4	21 n 28.4
23 jan	20 9 39.4	19 s 28.3	00 n 33.8	20 s 04.5	19 s 37.7	20 s 29.7	17 n 18.8	22 n 01.9	13 s 03.0	17 s 36.1	13 s 47.4	21 n 27.6
24 jan	20 13 36.0	19 s 14.1	05 s 34.6	20 s 13.3	19 s 46.3	20 s 37.5	17 n 21.2	22 n 01.9	13 s 01.8	17 s 35.5	13 s 47.4	21 n 27.2
25 jan	20 17 32.6	18 s 59.5	11 s 25.4	20 s 21.9	19 s 54.6	20 s 45.0	17 n 23.6	22 n 01.9	13 s 00.7	17 s 34.9	13 s 47.4	21 n 27.1
26 jan	20 21 29.1	18 s 44.6	16 s 39.3	20 s 30.1	20 s 02.5	20 s 52.5	17 n 26.0	22 n 02.0	12 s 59.6	17 s 34.3	13 s 47.4	21 n 27.1
27 jan	20 25 25.7	18 s 29.3	20 s 57.1	20 s 37.9	20 s 09.9	20 s 59.7	17 n 28.4	22 n 02.0	12 s 58.4	17 s 33.7	13 s 47.4	21 n 27.2
28 jan	20 29 22.2	18 s 13.7	24 s 00.9	20 s 45.2	20 s 16.9	21 s 06.8	17 n 30.8	22 n 02.1	12 s 57.3	17 s 33.0	13 s 47.4	21 n 27.1
29 jan	20 33 18.8	17 s 57.8	25 s 37.0	20 s 51.9	20 s 23.5	21 s 13.8	17 n 33.2	22 n 02.1	12 s 56.1	17 s 32.4	13 s 47.4	21 n 26.7
30 jan	20 37 15.3	17 s 41.5	25 s 39.1	20 s 57.8	20 s 29.6	21 s 20.6	17 n 35.6	22 n 02.2	12 s 55.0	17 s 31.8	13 s 47.4	21 n 25.9
31 jan	20 41 11.9	17 s 24.9	24 s 10.7	21 s 03.0	20 s 35.3	21 s 27.2	17 n 38.0	22 n 02.3	12 s 53.8	17 s 31.2	13 s 47.4	21 n 24.7

## FEVEREIRO DE 2003

### Longitude dos Astros

Tropical Ephemeris - s♄bado, 01 fev 2003 at noon, Greenwich SVP = 05 x 13,24 True Ayanamsa = 23d 53m 44s												
Julian Day = 2452672.0												
Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "
01 fev	20 45 8.4	12 12.8	12 48.0	17 02.9	26 34.4	09 52.9	13 132	22 323	27 52.8	10 43.9	19 17.0	06 265
02 fev	20 49 5.0	13 13.7	25 46.5	17 57.3	27 41.5	10 31.5	13 052	22 301	27 56.2	10 46.2	19 18.6	06 155
03 fev	20 53 1.6	14 14.6	08 29.5	18 54.9	28 48.9	11 10.1	12 572	22 280	27 59.6	10 48.5	19 20.1	06 041
04 fev	20 56 58.1	15 15.5	20 56.8	19 55.4	29 56.4	11 48.7	12 492	22 260	28 03.0	10 50.8	19 21.6	05 534
05 fev	21 0 54.7	16 16.4	03 09.6	20 58.5	01 04.1	12 27.4	12 412	22 241	28 06.4	10 53.0	19 23.1	05 445
06 fev	21 4 51.2	17 17.2	15 10.5	22 04.0	02 04.0	13 05.9	12 333	22 223	28 09.8	10 55.3	19 24.5	05 380
07 fev	21 8 47.8	18 18.0	27 02.8	23 11.8	03 20.0	13 44.5	12 253	22 206	28 13.2	10 57.6	19 25.9	05 341
08 fev	21 12 44.3	19 18.8	08 51.3	24 21.5	04 28.2	14 23.1	12 174	22 190	28 16.6	10 59.8	19 27.3	05 323
09 fev	21 16 40.9	20 19.6	20 40.9	25 33.2	05 36.5	15 01.7	12 096	22 175	28 20.1	11 02.1	19 28.6	05 320
10 fev	21 20 37.4	21 20.3	02 37.2	26 46.7	06 44.9	15 40.2	12 017	22 161	28 23.5	11 04.3	19 30.0	05 320
11 fev	21 24 34.0	22 21.0	14 45.7	28 01.8	07 53.5	16 18.8	11 540	22 149	28 27.0	11 06.6	19 31.3	05 311
12 fev	21 28 30.6	23 21.7	27 11.7	29 18.5	09 02.3	16 57.3	11 462	22 137	28 30.4	11 08.8	19 32.5	05 283
13 fev	21 32 27.1	24 22.3	09 59.3	00 36.7	10 11.1	17 35.8	11 386	22 127	28 33.9	11 11.1	19 33.8	05 230
14 fev	21 36 23.7	25 23.0	23 11.5	01 56.2	11 20.1	18 14.3	11 310	22 117	28 37.3	11 13.3	19 35.0	05 148
15 fev	21 40 20.2	26 23.6	06 49.0	03 17.1	12 29.2	18 52.9	11 235	22 109	28 40.8	11 15.5	19 36.2	05 043
16 fev	21 44 16.8	27 24.1	20 50.2	04 39.2	13 38.4	19 31.4	11 160	22 102	28 44.3	11 17.7	19 37.3	04 521
17 fev	21 48 13.3	28 24.7	05 10.8	06 20.5	14 47.8	20 09.8	11 087	22 096	28 47.7	11 19.9	19 38.4	04 394
18 fev	21 52 9.9	29 25.2	19 44.3	07 27.0	15 57.2	20 48.3	11 014	22 091	28 51.2	11 22.1	19 39.5	04 275
19 fev	21 56 6.4	00 25.7	04 23.4	08 52.7	17 06.8	21 26.8	10 542	22 088	28 54.6	11 24.3	19 40.6	04 173
20 fev	22 0 3.0	01 26.2	19 00.8	10 19.5	18 16.5	22 05.3	10 471	22 085	28 58.1	11 26.5	19 41.6	04 097
21 fev	22 3 59.6	02 26.7	03 30.4	11 47.3	19 26.3	22 43.7	10 401	22 084	29 01.6	11 28.6	19 42.6	04 049
22 fev	22 7 56.1	03 27.1	17 48.3	13 16.2	20 36.2	23 22.2	10 332	22 084	29 05.0	11 30.8	19 43.6	04 025
23 fev	22 11 52.7	04 27.5	01 52.6	14 46.2	21 46.2	24 00.6	10 265	22 084	29 08.5	11 32.9	19 44.5	04 018
24 fev	22 15 49.2	05 27.9	15 42.8	16 17.2	22 56.3	24 39.0	10 198	22 086	29 11.9	11 35.1	19 45.4	04 016
25 fev	22 19 45.8	06 28.3	29 19.7	17 49.2	24 06.5	25 17.4	10 133	22 089	29 15.4	11 37.2	19 46.3	04 007
26 fev	22 23 42.3	07 28.6	12 44.2	19 22.3	25 16.7	25 55.8	10 069	22 094	29 18.8	11 39.3	19 47.1	03 581
27 fev	22 27 38.9	08 28.9	25 57.2	20 56.4	26 27.1	26 34.2	10 006	22 099	29 22.3	11 41.4	19 47.9	03 529
28 fev	22 31 35.4	09 29.2	08 59.1	22 31.5	27 37.5	27 12.5	09 544	22 105	29 25.7	11 43.5	19 48.7	03 450

### Declinação dos Astros

Tropical Ephemeris - s♄bado, 01 fev 2003 at noon, Greenwich SVP = 05 x 13,24 True Ayanamsa = 23d 53m 44s												
Julian Day = 2452672.0												
Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "
01 fev	20 45 8.4	17 s 08.0	21 s 23.6	21 s 07.3	20 s 40.5	21 s 33.7	17 n 40.4	22 n 02.3	12 s 52.6	17 s 30.6	13 s 47.3	21 n 23.0
02 fev	20 49 5.0	16 s 50.9	17 s 34.9	21 s 10.8	20 s 45.2	21 s 40.0	17 n 42.8	22 n 02.4	12 s 51.5	17 s 30.0	13 s 47.3	21 n 21.2
03 fev	20 53 1.6	16 s 33.4	13 s 02.7	21 s 13.2	20 s 49.4	21 s 46.1	17 n 45.2	22 n 02.5	12 s 50.3	17 s 29.4	13 s 47.3	21 n 19.2
04 fev	20 56 58.1	16 s 15.6	08 s 03.4	21 s 14.7	20 s 53.2	21 s 52.1	17 n 47.6	22 n 02.6	12 s 49.1	17 s 28.8	13 s 47.2	21 n 17.3
05 fev	21 0 54.7	15 s 57.5	02 s 51.1	21 s 15.2	20 s 56.4	21 s 57.9	17 n 50.0	22 n 02.7	12 s 47.9	17 s 28.2	13 s 47.2	21 n 15.8
06 fev	21 4 51.2	15 s 39.2	02 s 22.9	21 s 14.6	20 s 59.1	22 s 03.6	17 n 52.3	22 n 02.8	12 s 46.7	17 s 27.6	13 s 47.1	21 n 14.6
07 fev	21 8 47.8	15 s 20.6	07 n 28.9	21 s 12.9	21 s 01.3	22 s 09.1	17 n 54.6	22 n 02.9	12 s 45.5	17 s 26.9	13 s 47.0	21 n 13.9
08 fev	21 12 44.3	15 s 01.8	12 n 17.8	21 s 10.0	21 s 02.9	22 s 14.4	17 n 57.0	22 n 03.0	12 s 44.3	17 s 26.3	13 s 47.0	21 n 13.6
09 fev	21 16 40.9	14 s 42.7	16 n 40.4	21 s 06.0	21 s 04.0	22 s 19.5	17 n 59.3	22 n 03.1	12 s 43.2	17 s 25.7	13 s 46.9	21 n 13.6
10 fev	21 20 37.4	14 s 23.3	20 n 26.2	21 s 00.8	21 s 04.6	22 s 24.5	18 n 01.5	22 n 03.3	12 s 42.0	17 s 25.1	13 s 46.8	21 n 13.6
11 fev	21 24 34.0	14 s 03.7	23 n 23.0	20 s 54.5	21 s 04.7	22 s 29.3	18 n 03.8	22 n 03.4	12 s 40.8	17 s 24.5	13 s 46.7	21 n 13.4
12 fev	21 28 30.6	13 s 43.9	25 n 17.0	20 s 46.9	21 s 04.1	22 s 34.0	18 n 06.0	22 n 03.5	12 s 39.6	17 s 23.9	13 s 46.7	21 n 12.9
13 fev	21 32 27.1	13 s 23.8	25 n 55.2	20 s 38.1	21 s 03.1	22 s 38.4	18 n 08.2	22 n 03.7	12 s 38.3	17 s 23.3	13 s 46.6	21 n 12.0
14 fev	21 36 23.7	13 s 03.6	25 n 07.5	20 s 28.0	21 s 01.4	22 s 42.7	18 n 10.4	22 n 03.9	12 s 37.1	17 s 22.7	13 s 46.5	21 n 10.5
15 fev	21 40 20.2	12 s 43.1	22 n 50.4	20 s 16.8	20 s 59.2	22 s 46.9	18 n 12.5	22 n 04.0	12 s 35.9	17 s 22.1	13 s 46.4	21 n 08.6
16 fev	21 44 16.8	12 s 22.4	19 n 08.8	20 s 04.2	20 s 56.5	22 s 50.8	18 n 14.6	22 n 04.2	12 s 34.7	17 s 21.5	13 s 46.3	21 n 06.4
17 fev	21 48 13.3	12 s 01.6	14 n 15.7	19 s 50.4	20 s 53.1	22 s 54.6	18 n 16.7	22 n 04.4	12 s 33.5	17 s 20.9	13 s 46.1	21 n 04.1
18 fev	21 52 9.9	11 s 40.5	08 n 30.2	19 s 35.3	20 s 49.2	22 s 58.2	18 n 18.8	22 n 04.6	12 s 32.3	17 s 20.3	13 s 46.0	21 n 01.9
19 fev	21 56 6.4	11 s 19.2	02 n 14.4	19 s 19.0	20 s 44.8	23 s 01.7	18 n 20.8	22 n 04.7	12 s 31.1	17 s 19.7	13 s 45.9	21 n 00.1
20 fev	22 0 3.0	10 s 57.8	04 s 08.7	19 s 01.4	20 s 39.7	23 s 05.0	18 n 22.8	22 n 04.9	12 s 29.9	17 s 19.1	13 s 45.8	20 n 58.7
21 fev	22 3 59.6	10 s 36.2	10 s 16.2	18 s 42.4	20 s 34.1	23 s 08.1	18 n 24.7	22 n 05.1	12 s 28.7	17 s 18.6	13 s 45.7	20 n 57.8
22 fev	22 7 56.1	10 s 14.4	15 s 46.8	18 s 22.2	20 s 27.9	23 s 11.0	18 n 26.6	22 n 05.4	12 s 27.5	17 s 18.0	13 s 45.5	20 n 57.3
23 fev	22 11 52.7	09 s 52.5	20 s 20.8	18 s 00.7	20 s 21.2	23 s 13.7	18 n 28.5	22 n 05.6	12 s 26.3	17 s 17.4	13 s 45.4	20 n 57.2
24 fev	22 15 49.2	09 s 30.4	23 s 41.1	17 s 37.9	20 s 13.8	23 s 16.3	18 n 30.4	22 n 05.8	12 s 25.1	17 s 16.8	13 s 45.3	20 n 57.2
25 fev	22 19 45.8	09 s 08.2	25 s 35.3	17 s 13.9	20 s 05.9	23 s 18.7	18 n 32.2	22 n 06.0	12 s 23.9	17 s 16.2	13 s 45.1	20 n 57.0
26 fev	22 23 42.3	08 s 45.9	25 s 57.7	16 s 48.5	19 s 57.5	23 s 21.0	18 n 33.9	22 n 06.3	12 s 22.7	17 s 15.7	13 s 45.0	20 n 56.5
27 fev	22 27 38.9	08 s 23.4	24 s 50.6	16 s 21.8	19 s 48.5	23 s 23.0	18 n 35.6	22 n 06.5	12 s 21.5	17 s 15.1	13 s 44.8	20 n 55.5
28 fev	22 31 35.4	08 s 00.7	22 s 23.6	15 s 53.8	19 s 38.9	23 s 24.9	18 n 37.3	22 n 06.8	12 s 20.3	17 s 14.5	13 s 44.7	20 n 54.0

# MARÇO DE 2003

## Longitude dos Astros

Tropical Ephemeris - s.º bado, 01 mar 2003 at noon, Greenwich SVP = 05 x 13.19 True Ayanamsa = 23d 53m 48s  
Julian Day = 2452700.0

Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	o .	o .	o .	o .	o .	o .	o .	o .	o .	o .	o .
01 mar	22 35 32.0	10 x 29.5	21 x 50.0	24 x 07.6	28 v 48.1	27 v 50.9	09 R 484	22 x 11.3	29 x 29.1	11 x 45.5	19 v 49.4	03 x 345
02 mar	22 39 28.6	11 x 29.7	04 x 29.6	25 x 44.8	29 v 58.6	28 v 29.2	09 R 425	22 x 12.2	29 x 32.5	11 x 47.6	19 v 50.1	03 x 224
03 mar	22 43 25.1	12 x 29.9	16 x 57.6	27 x 23.0	01 x 09.3	29 v 07.5	09 R 368	22 x 13.2	29 x 35.9	11 x 49.6	19 v 50.8	03 x 097
04 mar	22 47 21.7	13 x 30.1	29 x 14.2	29 x 02.3	02 x 20.0	29 v 45.7	09 R 312	22 x 14.3	29 x 39.3	11 x 51.6	19 v 51.4	02 x 576
05 mar	22 51 18.2	14 x 30.3	11 x 20.0	00 x 42.6	03 x 30.8	00 v 24.0	09 R 258	22 x 15.5	29 x 42.7	11 x 53.6	19 v 52.0	02 x 473
06 mar	22 55 14.8	15 x 30.4	23 x 16.7	02 x 24.0	04 x 41.7	01 v 02.2	09 R 205	22 x 16.8	29 x 46.1	11 x 55.6	19 v 52.6	02 x 394
07 mar	22 59 11.3	16 x 30.5	05 x 06.8	04 x 06.4	05 x 52.6	01 v 40.4	09 R 154	22 x 18.2	29 x 49.4	11 x 57.6	19 v 53.1	02 x 344
08 mar	23 3 7.9	17 x 30.5	17 x 53.8	05 x 50.0	07 x 03.6	02 v 18.6	09 R 106	22 x 19.8	29 x 52.8	11 x 59.5	19 v 53.6	02 x 319
09 mar	23 7 4.4	18 x 30.5	28 x 42.0	07 x 34.7	08 x 14.7	02 v 56.7	09 R 056	22 x 21.4	29 x 56.1	12 x 01.4	19 v 54.1	02 x 312
10 mar	23 11 1.0	19 x 30.5	10 x 36.5	09 x 20.5	09 x 25.8	03 v 34.8	09 R 010	22 x 23.2	29 x 59.4	12 x 03.3	19 v 54.5	02 x 31.2
11 mar	23 14 57.6	20 x 30.4	22 x 42.6	11 x 07.4	10 x 36.9	04 v 12.9	08 R 565	22 x 25.1	00 x 02.7	12 x 05.2	19 v 55.3	02 x 308
12 mar	23 18 54.1	21 x 30.3	05 x 05.8	12 x 55.5	11 x 48.1	04 v 51.0	08 R 522	22 x 27.1	00 x 06.0	12 x 07.1	19 v 55.9	02 x 288
13 mar	23 22 50.7	22 x 30.2	17 x 51.3	14 x 44.7	12 x 59.4	05 v 29.1	08 R 481	22 x 29.1	00 x 09.3	12 x 08.9	19 v 55.7	02 x 246
14 mar	23 26 47.2	23 x 30.0	01 x 03.1	16 x 35.1	14 x 10.7	06 v 07.1	08 R 442	22 x 31.3	00 x 12.5	12 x 10.8	19 v 56.0	02 x 177
15 mar	23 30 43.8	24 x 29.8	14 x 43.5	18 x 26.7	15 x 22.0	06 v 45.1	08 R 404	22 x 33.6	00 x 15.8	12 x 12.6	19 v 56.2	02 x 085
16 mar	23 34 40.3	25 x 29.6	28 x 52.2	20 x 19.4	16 x 33.4	07 v 23.0	08 R 368	22 x 36.0	00 x 19.0	12 x 14.4	19 v 56.5	01 x 576
17 mar	23 38 36.9	26 x 29.3	13 x 25.8	22 x 13.3	17 x 44.9	08 v 01.0	08 R 334	22 x 38.6	00 x 22.2	12 x 16.1	19 v 56.7	01 x 461
18 mar	23 42 33.4	27 x 29.0	28 x 17.8	24 x 08.3	18 x 56.4	08 v 38.9	08 R 302	22 x 41.2	00 x 25.4	12 x 17.9	19 v 56.8	01 x 351
19 mar	23 46 30.0	28 x 28.7	13 x 19.4	26 x 04.4	20 x 08.0	09 v 16.8	08 R 271	22 x 43.9	00 x 28.5	12 x 19.6	19 v 57.0	01 x 256
20 mar	23 50 26.6	29 x 28.3	28 x 21.1	28 x 01.6	21 x 19.6	09 v 54.7	08 R 243	22 x 46.7	00 x 31.7	12 x 21.3	19 v 57.1	01 x 185
21 mar	23 54 23.1	00 x 27.9	13 x 14.0	29 x 59.8	22 x 31.2	10 v 32.5	08 R 216	22 x 49.6	00 x 34.8	12 x 23.0	19 v 57.1	01 x 140
22 mar	23 58 19.7	01 x 27.4	27 x 51.5	01 x 58.9	23 x 42.9	11 v 10.3	08 R 191	22 x 52.6	00 x 37.9	12 x 24.6	19 v 57.2	01 x 119
23 mar	0 2 16.2	02 x 27.0	12 x 09.4	03 x 58.9	24 x 54.7	11 v 48.1	08 R 168	22 x 55.7	00 x 41.0	12 x 26.3	19 v 57.2	01 x 116
24 mar	0 6 12.8	03 x 26.5	26 x 06.3	05 x 59.7	26 x 06.4	12 v 25.8	08 R 147	22 x 59.0	00 x 44.0	12 x 27.9	19 v 57.1	01 x 12.2
25 mar	0 10 9.3	04 x 25.9	09 x 42.6	08 x 01.0	27 x 18.3	13 v 03.5	08 R 127	23 x 02.3	00 x 47.0	12 x 29.5	19 v 57.1	01 x 12.5
26 mar	0 14 5.9	05 x 25.4	22 x 60.0	10 x 02.9	28 x 30.1	13 v 41.2	08 R 110	23 x 05.7	00 x 50.0	12 x 31.0	19 v 57.0	01 x 116
27 mar	0 18 2.4	06 x 24.8	06 x 00.6	12 x 04.9	29 x 42.0	14 v 18.8	08 R 095	23 x 09.2	00 x 53.0	12 x 32.5	19 v 56.8	01 x 088
28 mar	0 21 59.0	07 x 24.2	18 x 46.6	14 x 07.0	00 x 54.0	14 v 56.4	08 R 081	23 x 12.8	00 x 56.0	12 x 34.1	19 v 56.7	01 x 037
29 mar	0 25 55.5	08 x 23.5	01 x 20.0	16 x 08.9	02 x 05.9	15 v 33.9	08 R 069	23 x 16.5	00 x 58.9	12 x 35.5	19 v 56.5	00 x 565
30 mar	0 29 52.1	09 x 22.9	13 x 42.4	18 x 10.3	03 x 17.9	16 v 11.4	08 R 059	23 x 20.3	01 x 01.8	12 x 37.0	19 v 56.2	00 x 478
31 mar	0 33 48.7	10 x 22.2	25 x 55.2	20 x 10.9	04 x 30.0	16 v 48.9	08 R 052	23 x 24.2	01 x 04.7	12 x 38.4	19 v 56.0	00 x 385

## Declinação dos Astros

Tropical Ephemeris - s.º bado, 01 mar 2003 at noon, Greenwich SVP = 05 x 13.19 True Ayanamsa = 23d 53m 48s  
Julian Day = 2452700.0

Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	o .	o .	o .	o .	o .	o .	o .	o .	o .	o .	o .
01 mar	22 35 32.0	07 s 38.0	18 s 51.5	15 s 24.6	19 s 28.7	23 s 26.6	18 n 38.9	22 n 07.0	12 s 19.1	17 s 14.0	13 s 44.5	20 n 52.1
02 mar	22 39 28.6	07 s 15.2	14 s 30.6	14 s 54.0	19 s 18.0	23 s 28.1	18 n 40.5	22 n 07.3	12 s 17.9	17 s 13.4	13 s 44.3	20 n 49.8
03 mar	22 43 25.1	06 s 52.2	09 s 37.1	14 s 22.2	19 s 06.8	23 s 29.5	18 n 42.1	22 n 07.6	12 s 16.7	17 s 12.9	13 s 44.2	20 n 47.3
04 mar	22 47 21.7	06 s 29.2	04 s 25.3	13 s 49.1	18 s 55.0	23 s 30.7	18 n 43.6	22 n 07.8	12 s 15.6	17 s 12.3	13 s 44.0	20 n 45.0
05 mar	22 51 18.2	06 s 06.0	00 n 52.4	13 s 14.7	18 s 42.6	23 s 31.7	18 n 45.0	22 n 08.1	12 s 14.4	17 s 11.8	13 s 43.8	20 n 43.0
06 mar	22 55 14.8	05 s 42.8	06 n 04.9	12 s 39.0	18 s 29.8	23 s 32.6	18 n 46.4	22 n 08.4	12 s 13.2	17 s 11.2	13 s 43.7	20 n 41.5
07 mar	22 59 11.3	05 s 19.5	11 n 02.4	12 s 02.0	18 s 16.4	23 s 33.2	18 n 47.8	22 n 08.7	12 s 12.0	17 s 10.7	13 s 43.5	20 n 40.5
08 mar	23 3 7.9	04 s 56.1	15 n 35.2	11 s 23.8	18 s 02.5	23 s 33.7	18 n 49.1	22 n 09.0	12 s 10.9	17 s 10.1	13 s 43.3	20 n 40.0
09 mar	23 7 4.4	04 s 32.7	19 n 33.3	10 s 44.3	17 s 48.1	23 s 34.1	18 n 50.3	22 n 09.3	12 s 09.7	17 s 09.6	13 s 43.1	20 n 39.8
10 mar	23 11 1.0	04 s 09.2	22 n 45.6	10 s 03.5	17 s 33.1	23 s 34.2	18 n 51.6	22 n 09.6	12 s 08.5	17 s 09.1	13 s 42.9	20 n 39.9
11 mar	23 14 57.6	03 s 45.7	25 n 00.3	09 s 21.6	17 s 17.7	23 s 34.2	18 n 52.7	22 n 09.9	12 s 07.4	17 s 08.6	13 s 42.7	20 n 39.8
12 mar	23 18 54.1	03 s 22.1	26 n 05.2	08 s 38.3	17 s 01.8	23 s 34.1	18 n 53.8	22 n 10.2	12 s 06.2	17 s 08.1	13 s 42.5	20 n 39.4
13 mar	23 22 50.7	02 s 58.5	25 n 50.2	07 s 53.9	16 s 45.4	23 s 33.7	18 n 54.9	22 n 10.6	12 s 05.1	17 s 07.6	13 s 42.3	20 n 38.6
14 mar	23 26 47.2	02 s 34.8	24 n 08.9	07 s 08.3	16 s 28.5	23 s 33.2	18 n 55.9	22 n 10.9	12 s 04.0	17 s 07.1	13 s 42.1	20 n 37.2
15 mar	23 30 43.8	02 s 11.1	21 n 01.5	06 s 21.5	16 s 11.2	23 s 32.5	18 n 56.9	22 n 11.2	12 s 02.8	17 s 06.6	13 s 41.9	20 n 35.4
16 mar	23 34 40.3	01 s 47.5	16 n 35.3	05 s 33.5	15 s 53.4	23 s 31.7	18 n 57.8	22 n 11.6	12 s 01.7	17 s 06.1	13 s 41.7	20 n 33.2
17 mar	23 38 36.9	01 s 23.8	11 n 04.7	04 s 44.4	15 s 35.1	23 s 30.7	18 n 58.7	22 n 11.9	12 s 00.6	17 s 05.6	13 s 41.5	20 n 30.9
18 mar	23 42 33.4	01 s 00.0	04 n 49.4	03 s 54.3	15 s 16.4	23 s 29.5	18 n 59.5	22 n 12.2	11 s 59.5	17 s 05.1	13 s 41.3	20 n 28.7
19 mar	23 46 30.0	00 s 36.3	01 s 46.8	03 s 03.1	14 s 57.3	23 s 28.2	19 n 00.2	22 n 12.6	11 s 58.4	17 s 04.6	13 s 41.1	20 n 26.8
20 mar	23 50 26.6	00 s 12.6	08 s 18.0	02 s 10.9	14 s 37.7	23 s 26.7	19 n 00.9	22 n 12.9	11 s 57.3	17 s 04.2	13 s 40.9	20 n 25.3
21 mar	23 54 23.1	00 n 11.1	14 s 18.3	01 s 17.7	14 s 17.7	23 s 25.0	19 n 01.6	22 n 13.3	11 s 56.2	17 s 03.7	13 s 40.7	20 n 24.4
22 mar	23 58 19.7	00 n 34.8	19 s 23.2	00 s 23.8	13 s 57.3	23 s 23.2	19 n 02.2	22 n 13.7	11 s 55.1	17 s 03.3	13 s 40.5	20 n 24.0
23 mar	0 2 16.2	00 n 58.4	23 s 12.5	00 n 31.0	13 s 36.6	23 s 21.3	19 n 02.8	22 n 14.0	11 s 54.1	17 s 02.8	13 s 40.3	20 n 23.9
24 mar	0 6 12.8	01 n 22.1	25 s 31.9	01 n 26.4	13 s 15.4	23 s 19.1	19 n 03.3	22 n 14.4	11 s 53.0	17 s 02.4	13 s 40.1	20 n 24.0
25 mar	0 10 9.3	01 n 45.7	26 s 15.4	02 n 22.4	12 s 53.8	23 s 16.8	19 n 03.7	22 n 14.7	11 s 52.0	17 s 01.9	13 s 39.8	20 n 24.1
26 mar	0 14 5.9	02 n 09.3	25 s 26.1	03 n 18.8	12 s 31.9	23 s 14.4	19 n 04.1	22 n 15.1	11 s 50.9	17 s 01.5	13 s 39.6	20 n 23.9
27 mar	0 18 2.4	02 n 32.8	23 s 14.6	04 n 15.5	12 s 09.7	23 s 11.8	19 n 04.5	22 n 15.5	11 s 49.9	17 s 01.1	13 s 39.4	20 n 23.3
28 mar	0 21 59.0	02 n 56.3	19 s 55.7	05 n 12.3	11 s 47.1	23 s 09.0	19 n 04.8	22 n 15.9	11 s 48.8	17 s 00.7	13 s 39.2	20 n 22.3
29 mar	0 25 55.5	03 n 19.7	15 s 45.5	06 n 09.0	11 s 24.1	23 s 06.2	19 n 05.0	22 n 16.2	11 s 47.8	17 s 00.3	13 s 39.0	20 n 20.8
30 mar	0 29 52.1	03 n 43.0	10 s 59.6	07 n 05.5	11 s 00.8	23 s 03.1	19 n 05.2	22 n 16.6	11 s 46.8	16 s 59.9	13 s 38.7	20 n 19.0
31 mar	0 33 48.7	04 n 06.3	05 s 51.5	08 n 01.6	10 s 37.2	22 s 59.9	19 n 05.4	22 n 17.0	11 s 45.8	16 s 59.5	13 s 38.5	20 n 17.1

## ABRIL DE 2003

### Longitude dos Astros

Tropical Ephemeris - terΨa-feira, 01 abr 2003 at noon, Greenwich SVP = 05x13.12 True Ayanamsa = 23d 53m 52s  
Julian Day = 2452731.0

Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "
01 abr	0 37 45.2	11γ21.4	07γ59.5	22γ10.3	05x42.0	17v26.3	08R046	23R28.2	01x07.5	12z39.8	19x557	00R296
02 abr	0 41 41.8	12γ20.6	19γ56.6	24γ08.2	06x54.1	18v03.7	08R042	23R32.2	01x10.3	12z41.2	19x553	00R219
03 abr	0 45 38.3	13γ19.8	01δ48.1	26γ04.2	08x06.2	18v41.0	08R040	23R36.4	01x13.1	12z42.5	19x550	00R162
04 abr	0 49 34.9	14γ19.0	13δ35.8	27γ57.9	09x18.3	19v18.2	08R039	23R40.6	01x15.9	12z43.8	19x546	00R128
05 abr	0 53 31.4	15γ18.1	25δ22.6	29γ49.0	10x30.5	19v55.4	08R04.1	23R45.0	01x18.6	12z45.1	19x542	00R115
06 abr	0 57 28.0	16γ17.2	07R11.6	01δ36.9	11x42.7	20v32.6	08R04.5	23R49.4	01x21.3	12z46.4	19x537	00R11.8
07 abr	1 1 24.5	17γ16.2	19R06.9	03δ21.5	12x54.9	21v09.7	08R05.0	23R53.9	01x24.0	12z47.6	19x532	00R13.0
08 abr	1 5 21.1	18γ15.2	01δ12.9	05δ02.4	14x07.1	21v46.7	08R05.8	23R58.5	01x26.6	12z48.8	19x527	00R14.1
09 abr	1 9 17.7	19γ14.2	13δ34.4	06δ39.1	15x19.4	22v23.7	08R06.7	24R03.2	01x29.2	12z50.0	19x522	00R14.4
10 abr	1 13 14.2	20γ13.1	26δ16.3	08δ11.5	16x31.6	23v00.6	08R07.8	24R07.9	01x31.7	12z51.2	19x516	00R131
11 abr	1 17 10.8	21γ12.0	09R22.9	09δ39.2	17x43.9	23v37.5	08R09.1	24R12.8	01x34.3	12z52.3	19x510	00R100
12 abr	1 21 7.3	22γ10.9	22R57.4	11δ02.0	18x56.2	24v14.3	08R10.6	24R17.7	01x36.8	12z53.4	19x503	00R053
13 abr	1 25 3.9	23γ09.7	07m00.9	12δ19.8	20x08.5	24v51.0	08R12.3	24R22.7	01x39.2	12z54.4	19x497	29δ593
14 abr	1 29 0.4	24γ08.5	21m31.9	13δ32.3	21x20.9	25v27.7	08R14.2	24R27.7	01x41.7	12z55.4	19x490	29δ528
15 abr	1 32 57.0	25γ07.2	06δ25.6	14δ39.3	22x33.2	26v04.3	08R16.2	24R32.9	01x44.0	12z56.4	19x483	29δ465
16 abr	1 36 53.5	26γ05.9	21δ34.3	15δ40.8	23x45.6	26v40.9	08R18.4	24R38.1	01x46.4	12z57.4	19x475	29δ412
17 abr	1 40 50.1	27γ04.6	06m48.4	16δ36.6	24x58.0	27v17.4	08R20.8	24R43.4	01x48.7	12z58.3	19x467	29δ374
18 abr	1 44 46.7	28γ03.2	21m57.6	17δ26.6	26x10.4	27v53.8	08R23.4	24R48.8	01x51.0	12z59.2	19x459	29δ353
19 abr	1 48 43.2	29γ01.9	06x53.1	18δ10.8	27x22.9	28v30.2	08R26.2	24R54.2	01x53.2	13z00.1	19x451	29δ349
20 abr	1 52 39.8	00δ00.4	21x28.2	18δ49.0	28x35.3	29v06.4	08R29.1	24R59.7	01x55.4	13z00.9	19x442	29δ35.8
21 abr	1 56 36.3	00δ59.0	05v39.1	19δ21.2	29x47.8	29v42.7	08R32.2	25R05.3	01x57.6	13z01.8	19x433	29δ37.4
22 abr	2 0 32.9	01δ57.5	19v24.7	19δ47.5	01γ00.3	00z18.8	08R35.5	25R11.0	01x59.7	13z02.5	19x424	29δ39.0
23 abr	2 4 29.4	02δ56.0	02z45.9	20δ07.8	02γ12.8	00z54.9	08R38.9	25R16.7	02x01.8	13z03.3	19x415	29δ40.0
24 abr	2 8 26.0	03δ54.5	15z44.9	20δ22.2	03γ25.3	01z30.8	08R42.6	25R22.5	02x03.9	13z04.0	19x405	29δ400
25 abr	2 12 22.5	04δ53.0	20z24.8	20δ30.7	04γ37.9	02z06.7	08R46.4	25R28.4	02x05.9	13z04.7	19x395	29δ387
26 abr	2 16 19.1	05δ51.4	10x48.9	20δ33.5	05γ50.5	02z42.5	08R50.3	25R34.3	02x07.8	13z05.3	19x385	29δ363
27 abr	2 20 15.7	06δ49.8	23x00.4	20δ307	07γ03.0	03z18.2	08R54.5	25R40.3	02x09.8	13z05.9	19x374	29δ330
28 abr	2 24 12.2	07δ48.1	05γ02.4	20δ226	08γ15.6	03z53.8	08R58.8	25R46.3	02x11.6	13z06.5	19x364	29δ294
29 abr	2 28 8.8	08δ46.5	16γ57.4	20δ094	09γ28.2	04z29.3	09R03.2	25R52.4	02x13.5	13z07.1	19x353	29δ259
30 abr	2 32 5.3	09δ44.8	28γ47.8	19δ515	10γ40.9	05z04.7	09R07.8	25R58.6	02x15.3	13z07.6	19x342	29δ230

### Declinação dos Astros

Tropical Ephemeris - terΨa-feira, 01 abr 2003 at noon, Greenwich SVP = 05x13.12 True Ayanamsa = 23d 53m 52s  
Julian Day = 2452731.0

Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "
01 abr	0 37 45.2	04n29.5	00s33.6	08n56.9	10s13.3	22s56.6	19n05.5	22n17.4	11s44.8	16s59.1	13s38.3	20n15.2
02 abr	0 41 41.8	04n52.7	04n43.0	09n51.4	09s49.2	22s53.1	19n05.5	22n17.8	11s43.9	16s58.7	13s38.1	20n13.6
03 abr	0 45 38.3	05n15.7	09n47.9	10n44.7	09s24.7	22s49.5	19n05.5	22n18.2	11s42.9	16s58.3	13s37.9	20n12.4
04 abr	0 49 34.9	05n38.7	14n30.9	11n36.6	08s60.0	22s45.7	19n05.5	22n18.6	11s41.9	16s58.0	13s37.6	20n11.7
05 abr	0 53 31.4	06n01.5	18n41.3	12n26.9	08s35.0	22s41.8	19n05.4	22n18.9	11s41.0	16s57.6	13s37.4	20n11.4
06 abr	0 57 28.0	06n24.3	22n08.3	13n15.5	08s09.7	22s37.8	19n05.2	22n19.3	11s40.0	16s57.3	13s37.2	20n11.5
07 abr	1 1 24.5	06n46.9	24n40.5	14n02.1	07s44.2	22s33.6	19n05.0	22n19.7	11s39.1	16s56.9	13s37.0	20n11.7
08 abr	1 5 21.1	07n09.4	26n06.7	14n46.5	07s18.5	22s29.3	19n04.8	22n20.1	11s38.2	16s56.6	13s36.7	20n12.0
09 abr	1 9 17.7	07n31.8	26n17.8	15n28.5	06s52.6	22s24.8	19n04.5	22n20.5	11s37.3	16s56.3	13s36.5	20n12.0
10 abr	1 13 14.2	07n54.1	25n07.6	16n08.2	06s26.5	22s20.3	19n04.1	22n20.9	11s36.4	16s56.0	13s36.3	20n11.8
11 abr	1 17 10.8	08n16.2	22n34.7	16n45.2	06s00.2	22s15.6	19n03.7	22n21.3	11s35.5	16s55.7	13s36.1	20n11.1
12 abr	1 21 7.3	08n38.2	18n43.3	17n19.6	05s33.7	22s10.8	19n03.3	22n21.7	11s34.7	16s55.4	13s35.8	20n10.1
13 abr	1 25 3.9	09n00.1	13n42.7	17n51.3	05s07.0	22s05.8	19n02.8	22n22.0	11s33.8	16s55.1	13s35.6	20n08.9
14 abr	1 29 0.4	09n21.8	07n47.6	18n20.2	04s40.1	22s00.8	19n02.2	22n22.4	11s33.0	16s54.8	13s35.4	20n07.5
15 abr	1 32 57.0	09n43.3	01n17.1	18n46.3	04s13.1	21s55.6	19n01.6	22n22.8	11s32.2	16s54.5	13s35.2	20n06.1
16 abr	1 36 53.5	10n04.7	05s25.1	19n09.5	03s46.0	21s50.3	19n01.0	22n23.2	11s31.4	16s54.3	13s35.0	20n05.0
17 abr	1 40 50.1	10n25.9	11s51.8	19n29.9	03s18.8	21s44.9	19n00.3	22n23.6	11s30.6	16s54.0	13s34.7	20n04.2
18 abr	1 44 46.7	10n46.9	17s34.4	19n47.4	02s51.4	21s39.4	18n59.5	22n23.9	11s29.8	16s53.8	13s34.5	20n03.7
19 abr	1 48 43.2	11n07.8	22s06.2	20n01.9	02s23.9	21s33.8	18n58.7	22n24.3	11s29.0	16s53.5	13s34.3	20n03.7
20 abr	1 52 39.8	11n28.5	25s06.1	20n13.6	01s56.3	21s28.0	18n57.9	22n24.7	11s28.2	16s53.3	13s34.1	20n03.8
21 abr	1 56 36.3	11n49.0	26s23.4	20n22.3	01s28.7	21s22.2	18n57.0	22n25.1	11s27.5	16s53.1	13s33.9	20n04.2
22 abr	2 0 32.9	12n09.2	25s59.2	20n28.2	01s00.9	21s16.3	18n56.1	22n25.4	11s26.8	16s52.9	13s33.7	20n04.5
23 abr	2 4 29.4	12n29.3	24s05.0	20n31.1	00s33.1	21s10.2	18n55.1	22n25.8	11s26.0	16s52.7	13s33.5	20n04.7
24 abr	2 8 26.0	12n49.2	20s57.8	20n31.2	00s05.2	21s04.1	18n54.1	22n26.2	11s25.3	16s52.5	13s33.3	20n04.7
25 abr	2 12 22.5	13n08.9	16s55.8	20n28.4	00n22.7	20s57.9	18n53.0	22n26.5	11s24.7	16s52.3	13s33.0	20n04.5
26 abr	2 16 19.1	13n28.4	12s15.8	20n22.9	00n50.6	20s51.6	18n51.9	22n26.9	11s24.0	16s52.1	13s32.8	20n04.0
27 abr	2 20 15.7	13n47.7	07s11.6	20n14.5	01n18.5	20s45.2	18n50.8	22n27.2	11s23.3	16s51.9	13s32.6	20n03.3
28 abr	2 24 12.2	14n06.7	01s55.3	20n03.5	01n46.5	20s38.7	18n49.6	22n27.6	11s22.7	16s51.8	13s32.4	20n02.5
29 abr	2 28 8.8	14n25.5	03n22.6	19n49.9	02n14.5	20s32.1	18n48.3	22n27.9	11s22.1	16s51.6	13s32.2	20n01.7
30 abr	2 32 5.3	14n44.0	08n32.0	19n33.8	02n42.4	20s25.5	18n47.1	22n28.3	11s21.4	16s51.5	13s32.1	20n01.1

# MAIO DE 2003

## Longitude dos Astros

Tropical Ephemeris - quinta-feira, 01 mai 2003 at noon, Greenwich SVP = 05x13.06 True Ayanamsa = 23d 53m 55s  
Julian Day = 2452761.0

Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	o .	o .	o .	o .	o .	o .	o .	o .	o .	o .	o .
01 mai	2 36 1.9	10 8 43.1	10 8 35.6	19 8 292	11 7 53.5	05 40.0	09 12.6	26 104.8	02 17.0	13 08.1	19 330	29 8 211
02 mai	2 39 58.4	11 8 41.3	22 8 23.2	19 8 030	13 7 06.1	06 15.2	09 17.6	26 111.1	02 18.7	13 08.5	19 319	29 8 204
03 mai	2 43 55.0	12 8 39.6	04 12.7	18 8 335	14 7 18.8	06 50.3	09 22.7	26 117.5	02 20.4	13 09.0	19 307	29 8 20.6
04 mai	2 47 51.5	13 8 37.8	16 106.6	18 8 011	15 7 31.4	07 25.2	09 27.9	26 123.9	02 22.0	13 09.4	19 295	29 8 21.7
05 mai	2 51 48.1	14 8 35.9	28 107.7	17 8 265	16 7 44.1	08 00.1	09 33.4	26 130.3	02 23.6	13 09.7	19 283	29 8 23.1
06 mai	2 55 44.7	15 8 34.0	10 19.1	16 8 503	17 7 56.8	08 34.8	09 38.9	26 136.9	02 25.2	13 10.0	19 270	29 8 24.5
07 mai	2 59 41.2	16 8 32.1	22 44.3	16 8 133	19 7 09.5	09 09.4	09 44.7	26 143.4	02 26.6	13 10.3	19 258	29 8 25.7
08 mai	3 3 37.8	17 8 30.2	05 27.1	15 8 359	20 7 22.2	09 43.8	09 50.5	26 150.0	02 28.1	13 10.6	19 245	29 8 26.2
09 mai	3 7 34.3	18 8 28.2	18 30.8	14 8 590	21 7 34.8	10 18.2	09 56.6	26 156.6	02 29.5	13 10.8	19 232	29 8 26.1
10 mai	3 11 30.9	19 8 26.2	01 58.4	14 8 231	22 7 47.6	10 52.4	10 02.7	27 103.4	02 30.8	13 11.0	19 219	29 8 25.4
11 mai	3 15 27.4	20 8 24.2	15 51.6	13 8 489	24 7 00.3	11 26.5	10 09.0	27 110.2	02 32.2	13 11.1	19 205	29 8 24.4
12 mai	3 19 24.0	21 8 22.2	00 10.3	13 8 169	25 7 13.0	12 00.4	10 15.5	27 117.0	02 33.4	13 11.3	19 192	29 8 23.2
13 mai	3 23 20.5	22 8 20.1	14 51.8	12 8 476	26 7 25.7	12 34.2	10 22.1	27 123.8	02 34.6	13 11.4	19 178	29 8 22.2
14 mai	3 27 17.1	23 8 18.0	29 51.0	12 8 215	27 7 38.5	13 07.9	10 28.8	27 130.7	02 35.8	13 11.4	19 164	29 8 21.4
15 mai	3 31 13.7	24 8 15.8	15 00.3	11 8 589	28 7 51.2	13 41.4	10 35.7	27 137.7	02 36.9	13 11.5	19 150	29 8 21.1
16 mai	3 35 10.2	25 8 13.6	00 10.5	11 8 401	00 8 04.0	14 14.8	10 42.7	27 144.7	02 38.0	13 11.4	19 136	29 8 21.2
17 mai	3 39 6.8	26 8 11.4	15 12.3	11 8 254	01 8 16.7	14 48.0	10 49.8	27 151.7	02 39.0	13 11.4	19 122	29 8 21.7
18 mai	3 43 3.3	27 8 09.2	29 57.5	11 8 151	02 8 29.5	15 21.1	10 57.1	27 158.8	02 40.0	13 11.3	19 107	29 8 22.2
19 mai	3 46 59.9	28 8 07.0	14 20.0	11 8 092	03 8 42.3	15 54.0	11 04.5	28 105.9	02 40.9	13 11.2	19 093	29 8 22.8
20 mai	3 50 56.4	29 8 04.7	28 16.5	11 8 077	04 8 55.1	16 26.8	11 12.0	28 113.0	02 41.8	13 11.1	19 078	29 8 23.3
21 mai	3 54 53.0	00 02.5	11 46.1	11 8 10.9	06 8 07.9	16 59.3	11 19.6	28 120.2	02 42.7	13 10.9	19 063	29 8 23.6
22 mai	3 58 49.5	01 00.2	24 50.0	11 8 18.6	07 8 20.8	17 31.7	11 27.4	28 127.4	02 43.5	13 10.7	19 048	29 8 23.7
23 mai	4 2 46.1	01 57.9	07 31.2	11 8 30.8	08 8 33.6	18 03.9	11 35.3	28 134.6	02 44.2	13 10.5	19 033	29 8 23.8
24 mai	4 6 42.6	02 55.5	19 53.4	11 8 47.5	09 8 46.5	18 36.0	11 43.3	28 141.9	02 44.9	13 10.2	19 018	29 8 24.0
25 mai	4 10 39.2	03 53.2	02 00.8	12 8 08.6	10 8 59.4	19 07.8	11 51.5	28 149.2	02 45.5	13 09.9	19 003	29 8 24.3
26 mai	4 14 35.8	04 50.8	13 57.6	12 8 34.0	12 8 12.2	19 39.4	11 59.8	28 156.6	02 46.1	13 09.6	18 988	29 8 24.8
27 mai	4 18 32.3	05 48.4	25 47.9	13 8 03.6	13 8 25.1	20 10.8	12 08.1	29 104.0	02 46.7	13 09.3	18 972	29 8 25.5
28 mai	4 22 28.9	06 46.1	07 35.2	13 8 37.4	14 8 38.0	20 42.0	12 16.6	29 111.4	02 47.2	13 08.9	18 957	29 8 26.3
29 mai	4 26 25.4	07 43.6	19 22.7	14 8 15.1	15 8 51.0	21 12.9	12 25.2	29 118.8	02 47.6	13 08.4	18 941	29 8 27.0
30 mai	4 30 22.0	08 41.2	01 13.2	14 8 56.8	17 8 03.9	21 43.7	12 34.0	29 126.3	02 48.0	13 08.0	18 925	29 8 27.4
31 mai	4 34 18.5	09 38.8	13 09.0	15 8 42.2	18 8 16.8	22 14.1	12 42.8	29 133.8	02 48.4	13 07.5	18 910	29 8 27.4

## Declinação dos Astros

Tropical Ephemeris - quinta-feira, 01 mai 2003 at noon, Greenwich SVP = 05x13.06 True Ayanamsa = 23d 53m 55s  
Julian Day = 2452761.0

Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	o .	o .	o .	o .	o .	o .	o .	o .	o .	o .	o .
01 mai	2 36 1.9	15 n 02.4	13 n 22.9	19 n 15.4	03 n 10.3	20 s 18.7	18 n 45.7	22 n 28.6	11 s 20.8	16 s 51.4	13 s 31.9	20 n 00.7
02 mai	2 39 58.4	15 n 20.4	17 n 44.4	18 n 54.9	03 n 38.2	20 s 11.9	18 n 44.3	22 n 28.9	11 s 20.3	16 s 51.3	13 s 31.7	20 n 00.5
03 mai	2 43 55.0	15 n 38.2	21 n 25.2	18 n 32.6	04 n 06.0	20 s 05.1	18 n 42.9	22 n 29.3	11 s 19.7	16 s 51.2	13 s 31.5	20 n 00.6
04 mai	2 47 51.5	15 n 55.8	24 n 13.4	18 n 08.5	04 n 33.8	19 s 58.2	18 n 41.5	22 n 29.6	11 s 19.1	16 s 51.0	13 s 31.3	20 n 00.8
05 mai	2 51 48.1	16 n 13.1	25 n 57.9	17 n 43.2	05 n 01.5	19 s 51.2	18 n 39.9	22 n 29.9	11 s 18.6	16 s 51.0	13 s 31.1	20 n 01.1
06 mai	2 55 44.7	16 n 30.1	26 n 29.3	17 n 16.8	05 n 29.1	19 s 44.1	18 n 38.4	22 n 30.2	11 s 18.1	16 s 50.9	13 s 30.9	20 n 01.4
07 mai	2 59 41.2	16 n 46.8	25 n 42.0	16 n 49.6	05 n 56.6	19 s 37.0	18 n 36.8	22 n 30.5	11 s 17.6	16 s 50.8	13 s 30.8	20 n 01.7
08 mai	3 3 37.8	17 n 03.3	23 n 35.2	16 n 22.2	06 n 24.0	19 s 29.9	18 n 35.2	22 n 30.8	11 s 17.1	16 s 50.7	13 s 30.6	20 n 01.8
09 mai	3 7 34.3	17 n 19.5	20 n 12.5	15 n 54.7	06 n 51.3	19 s 22.7	18 n 33.5	22 n 31.1	11 s 16.6	16 s 50.7	13 s 30.4	20 n 01.8
10 mai	3 11 30.9	17 n 35.3	15 n 41.9	15 n 27.6	07 n 18.4	19 s 15.4	18 n 31.8	22 n 31.4	11 s 16.2	16 s 50.6	13 s 30.2	20 n 01.6
11 mai	3 15 27.4	17 n 50.9	10 n 15.0	15 n 01.2	07 n 45.4	19 s 08.2	18 n 30.0	22 n 31.7	11 s 15.8	16 s 50.6	13 s 30.1	20 n 01.4
12 mai	3 19 24.0	18 n 06.2	04 n 06.4	14 n 35.8	08 n 12.3	19 s 00.8	18 n 28.2	22 n 32.0	11 s 15.3	16 s 50.6	13 s 29.9	20 n 01.1
13 mai	3 23 20.5	18 n 21.2	02 s 25.4	14 n 11.8	08 n 39.0	18 s 53.5	18 n 26.3	22 n 32.2	11 s 14.9	16 s 50.6	13 s 29.8	20 n 00.9
14 mai	3 27 17.1	18 n 35.9	08 s 57.9	13 n 49.2	09 n 05.5	18 s 46.1	18 n 24.5	22 n 32.5	11 s 14.5	16 s 50.6	13 s 29.6	20 n 00.8
15 mai	3 31 13.7	18 n 50.2	15 s 04.2	13 n 28.5	09 n 31.9	18 s 38.6	18 n 22.5	22 n 32.7	11 s 14.2	16 s 50.6	13 s 29.5	20 n 00.7
16 mai	3 35 10.2	19 n 04.3	20 s 15.1	13 n 09.8	09 n 58.0	18 s 31.2	18 n 20.6	22 n 33.0	11 s 13.8	16 s 50.6	13 s 29.3	20 n 00.7
17 mai	3 39 6.8	19 n 18.0	24 s 03.0	12 n 53.2	10 n 23.9	18 s 23.7	18 n 18.5	22 n 33.2	11 s 13.5	16 s 50.6	13 s 29.2	20 n 00.8
18 mai	3 43 3.3	19 n 31.4	26 s 07.9	12 n 38.9	10 n 49.7	18 s 16.2	18 n 16.5	22 n 33.5	11 s 13.2	16 s 50.6	13 s 29.0	20 n 00.9
19 mai	3 46 59.9	19 n 44.4	28 s 23.2	12 n 26.9	11 n 15.1	18 s 08.7	18 n 14.4	22 n 33.7	11 s 12.9	16 s 50.7	13 s 28.9	20 n 01.1
20 mai	3 50 56.4	19 n 57.1	24 s 56.6	12 n 17.3	11 n 40.4	18 s 01.2	18 n 12.3	22 n 33.9	11 s 12.6	16 s 50.7	13 s 28.8	20 n 01.2
21 mai	3 54 53.0	20 n 09.5	22 s 06.0	12 n 10.0	12 n 05.4	17 s 53.6	18 n 10.1	22 n 34.2	11 s 12.3	16 s 50.8	13 s 28.7	20 n 01.2
22 mai	3 58 49.5	20 n 21.6	18 s 12.7	12 n 05.2	12 n 30.1	17 s 46.1	18 n 07.9	22 n 34.4	11 s 12.1	16 s 50.8	13 s 28.5	20 n 01.2
23 mai	4 2 46.1	20 n 33.2	13 s 36.6	12 n 02.7	12 n 54.5	17 s 38.6	18 n 05.7	22 n 34.6	11 s 11.9	16 s 50.9	13 s 28.4	20 n 01.3
24 mai	4 6 42.6	20 n 44.6	08 s 34.0	12 n 02.6	13 n 18.7	17 s 31.0	18 n 03.4	22 n 34.8	11 s 11.6	16 s 51.0	13 s 28.3	20 n 01.3
25 mai	4 10 39.2	20 n 55.6	03 s 17.9	12 n 04.8	13 n 42.5	17 s 23.5	18 n 01.1	22 n 34.9	11 s 11.4	16 s 51.1	13 s 28.2	20 n 01.4
26 mai	4 14 35.8	21 n 06.2	02 n 01.1	12 n 09.1	14 n 06.1	17 s 16.0	17 n 58.7	22 n 35.1	11 s 11.3	16 s 51.2	13 s 28.1	20 n 01.5
27 mai	4 18 32.3	21 n 16.5	07 n 13.6	12 n 15.5	14 n 29.3	17 s 08.5	17 n 56.3	22 n 35.3	11 s 11.1	16 s 51.3	13 s 28.0	20 n 01.6
28 mai	4 22 28.9	21 n 26.4	12 n 10.1	12 n 24.0	14 n 52.1	17 s 01.1	17 n 53.9	22 n 35.5	11 s 11.0	16 s 51.4	13 s 27.9	20 n 01.8
29 mai	4 26 25.4	21 n 35.9	16 n 40.5	12 n 34.4	15 n 14.7	16 s 53.7	17 n 51.4	22 n 35.6	11 s 10.8	16 s 51.6	13 s 27.8	20 n 02.0
30 mai	4 30 22.0	21 n 45.0	20 n 33.5	12 n 46.7	15 n 36.8	16 s 46.3	17 n 48.9	22 n 35.8	11 s 10.7	16 s 51.7	13 s 27.7	20 n 02.0
31 mai	4 34 18.5	21 n 53.8	23 n 37.0	13 n 00.7	15 n 58.6	16 s 38.9	17 n 46.4	22 n 35.9	11 s 10.6	16 s 51.8	13 s 27.6	20 n 02.0

# JUNHO DE 2003

## Longitude dos Astros

Tropical Ephemeris - domingo, 01 jun 2003 at noon, Greenwich SVP = 05 x 12.99 True Ayanamsa = 23d 53m 60s  
Julian Day = 2452792.0

Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "
01 jun	4 38 15.1	10 136.3	25 12.3	16 8 31.3	19 8 29.8	22 44.4	12 51.8	29 41.3	02 48.7	13 070	18 494	29 8 269
02 jun	4 42 11.6	11 133.8	07 24.9	17 8 24.0	20 8 42.7	23 14.4	13 00.8	29 48.9	02 48.9	13 065	18 478	29 8 258
03 jun	4 46 8.2	12 131.3	19 48.6	18 8 20.2	21 8 55.7	23 44.1	13 10.0	29 56.4	02 49.1	13 059	18 462	29 8 245
04 jun	4 50 4.8	13 128.8	02 25.3	19 8 19.8	23 8 08.6	24 13.6	13 19.2	00 04.0	02 49.3	13 053	18 446	29 8 230
05 jun	4 54 1.3	14 126.3	15 16.8	20 8 22.8	24 8 21.6	24 42.8	13 28.6	00 11.6	02 49.4	13 046	18 430	29 8 217
06 jun	4 57 57.9	15 123.7	28 25.0	21 8 29.0	25 8 34.6	25 11.8	13 38.1	00 19.3	02 49.5	13 040	18 414	29 8 210
07 jun	5 1 54.4	16 121.1	11 51.5	22 8 38.4	26 8 47.6	25 40.5	13 47.6	00 26.9	02 49.5	13 033	18 398	29 8 209
08 jun	5 5 51.0	17 118.5	25 37.4	23 8 50.9	28 8 00.6	26 08.8	13 57.3	00 34.6	02 494	13 026	18 382	29 8 21.5
09 jun	5 9 47.5	18 115.9	09 43.1	25 8 06.5	29 8 13.6	26 36.9	14 07.0	00 42.2	02 494	13 018	18 366	29 8 22.8
10 jun	5 13 44.1	19 113.3	24 07.4	26 8 25.2	00 126.6	27 04.7	14 16.9	00 49.9	02 492	13 010	18 350	29 8 24.4
11 jun	5 17 40.6	20 110.6	08 47.6	27 8 46.9	01 139.7	27 32.2	14 26.8	00 57.6	02 490	13 002	18 334	29 8 26.0
12 jun	5 21 37.2	21 107.9	23 38.7	29 8 11.5	02 152.7	27 59.4	14 36.9	01 05.4	02 488	12 594	18 318	29 8 27.0
13 jun	5 25 33.8	22 105.2	08 34.5	00 139.2	04 105.8	28 26.3	14 47.0	01 13.1	02 485	12 586	18 302	29 8 27.2
14 jun	5 29 30.3	23 102.5	23 27.0	02 109.7	05 118.8	28 52.8	14 57.2	01 20.9	02 482	12 577	18 286	29 8 261
15 jun	5 33 26.9	23 100.8	08 08.5	03 143.2	06 131.9	29 19.1	15 07.5	01 28.6	02 478	12 568	18 271	29 8 239
16 jun	5 37 23.4	24 107.1	22 32.1	05 195.5	07 145.0	29 44.9	15 17.9	01 36.4	02 474	12 558	18 255	29 8 207
17 jun	5 41 20.0	25 114.4	06 32.6	06 258.8	08 158.1	00 10.4	15 28.3	01 44.1	02 469	12 549	18 239	29 8 168
18 jun	5 45 16.5	26 121.7	20 07.5	08 340.8	10 111.3	00 35.6	15 38.9	01 51.9	02 464	12 539	18 223	29 8 128
19 jun	5 49 13.1	27 129.0	03 16.4	10 425.7	11 124.4	01 00.3	15 49.5	01 59.7	02 459	12 529	18 207	29 8 093
20 jun	5 53 9.6	28 136.3	16 01.2	12 153.3	12 137.6	01 24.7	16 00.2	02 07.5	02 452	12 518	18 192	29 8 068
21 jun	5 57 6.2	29 143.4	28 25.1	14 103.7	13 150.8	01 48.7	16 11.0	02 15.3	02 446	12 508	18 176	29 8 056
22 jun	6 1 2.8	00 150.7	10 32.6	15 266.6	15 104.0	02 12.2	16 21.9	02 23.1	02 439	12 497	18 160	29 8 05.7
23 jun	6 4 59.3	01 157.9	22 28.5	17 321.1	16 117.2	02 35.4	16 32.8	02 30.9	02 431	12 486	18 145	29 8 06.8
24 jun	6 8 55.9	02 165.2	04 17.7	19 400.0	17 130.4	02 58.0	16 43.8	02 38.7	02 423	12 474	18 130	29 8 08.6
25 jun	6 12 52.4	03 172.7	16 05.0	21 483.3	18 143.7	03 20.3	16 54.9	02 46.5	02 415	12 463	18 114	29 8 10.2
26 jun	6 16 49.0	04 180.2	27 54.6	23 566.6	19 157.0	03 42.1	17 06.0	02 54.3	02 406	12 451	18 099	29 8 11.0
27 jun	6 20 45.5	05 187.7	09 50.1	25 650.1	21 170.2	04 03.4	17 17.3	03 02.1	02 397	12 439	18 084	29 8 104
28 jun	6 24 42.1	06 195.2	21 54.7	28 733.5	22 183.5	04 24.2	17 28.6	03 09.9	02 387	12 427	18 069	29 8 080
29 jun	6 28 38.6	07 202.7	04 10.5	00 817.0	23 196.8	04 44.5	17 39.9	03 17.7	02 377	12 415	18 054	29 8 038
30 jun	6 32 35.2	08 210.2	16 38.9	02 900.3	24 210.1	05 04.3	17 51.3	03 25.5	02 367	12 402	18 039	28 8 581

## Declinação dos Astros

Tropical Ephemeris - domingo, 01 jun 2003 at noon, Greenwich SVP = 05 x 12.99 True Ayanamsa = 23d 53m 60s  
Julian Day = 2452792.0

Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "
01 jun	4 38 15.1	22 n 02.2	25 n 38.7	13 n 16.3	16 n 20.0	16 s 31.6	17 n 43.8	22 n 36.0	11 s 10.6	16 s 52.0	13 s 27.6	20 n 01.9
02 jun	4 42 11.6	22 n 10.2	26 n 28.5	13 n 33.6	16 n 41.0	16 s 24.3	17 n 41.2	22 n 36.2	11 s 10.5	16 s 52.2	13 s 27.5	20 n 01.7
03 jun	4 46 8.2	22 n 17.8	25 n 59.8	13 n 52.2	17 n 01.6	16 s 17.1	17 n 38.5	22 n 36.3	11 s 10.5	16 s 52.3	13 s 27.4	20 n 01.4
04 jun	4 50 4.8	22 n 25.0	24 n 11.5	14 n 12.2	17 n 21.7	16 s 09.9	17 n 35.8	22 n 36.4	11 s 10.5	16 s 52.5	13 s 27.4	20 n 01.1
05 jun	4 54 1.3	22 n 31.9	21 n 07.9	14 n 33.4	17 n 41.5	16 s 02.8	17 n 33.1	22 n 36.5	11 s 10.5	16 s 52.7	13 s 27.3	20 n 00.8
06 jun	4 57 57.9	22 n 38.3	16 n 57.6	14 n 55.8	18 n 00.8	15 s 55.8	17 n 30.4	22 n 36.6	11 s 10.5	16 s 52.9	13 s 27.3	20 n 00.7
07 jun	5 1 54.4	22 n 44.4	11 n 52.0	15 n 19.2	18 n 19.6	15 s 48.8	17 n 27.6	22 n 36.6	11 s 10.5	16 s 53.1	13 s 27.2	20 n 00.6
08 jun	5 5 51.0	22 n 50.0	06 n 04.6	15 n 43.5	18 n 37.9	15 s 41.9	17 n 24.7	22 n 36.7	11 s 10.6	16 s 53.3	13 s 27.2	20 n 00.8
09 jun	5 9 47.5	22 n 55.2	00 s 09.2	16 n 08.7	18 n 55.8	15 s 35.1	17 n 21.9	22 n 36.8	11 s 10.6	16 s 53.6	13 s 27.1	20 n 01.1
10 jun	5 13 44.1	23 n 00.1	06 s 31.3	16 n 34.6	19 n 13.2	15 s 28.4	17 n 19.0	22 n 36.8	11 s 10.7	16 s 53.8	13 s 27.1	20 n 01.4
11 jun	5 17 40.6	23 n 04.5	12 s 40.2	17 n 01.0	19 n 30.1	15 s 21.7	17 n 16.1	22 n 36.9	11 s 10.8	16 s 54.0	13 s 27.1	20 n 01.7
12 jun	5 21 37.2	23 n 08.5	18 s 10.2	17 n 28.0	19 n 46.5	15 s 15.1	17 n 13.1	22 n 36.9	11 s 10.9	16 s 54.3	13 s 27.1	20 n 02.0
13 jun	5 25 33.8	23 n 12.2	22 s 33.6	17 n 55.3	20 n 02.4	15 s 08.6	17 n 10.1	22 n 36.9	11 s 11.1	16 s 54.5	13 s 27.1	20 n 02.0
14 jun	5 29 30.3	23 n 15.4	25 s 25.0	18 n 22.9	20 n 17.7	15 s 02.3	17 n 07.1	22 n 37.0	11 s 11.2	16 s 54.8	13 s 27.0	20 n 01.8
15 jun	5 33 26.9	23 n 18.2	26 s 28.2	18 n 50.5	20 n 32.5	14 s 56.0	17 n 04.0	22 n 37.0	11 s 11.4	16 s 55.1	13 s 27.0	20 n 01.3
16 jun	5 37 23.4	23 n 20.5	25 s 41.7	19 n 18.1	20 n 46.8	14 s 49.8	17 n 00.9	22 n 37.0	11 s 11.6	16 s 55.3	13 s 27.0	20 n 00.6
17 jun	5 41 20.0	23 n 22.5	23 s 18.4	19 n 45.6	21 n 00.4	14 s 43.8	16 n 57.8	22 n 37.0	11 s 11.8	16 s 55.6	13 s 27.1	19 n 59.7
18 jun	5 45 16.5	23 n 24.1	19 s 40.1	20 n 12.7	21 n 13.6	14 s 37.9	16 n 54.7	22 n 36.9	11 s 12.0	16 s 55.9	13 s 27.1	19 n 58.9
19 jun	5 49 13.1	23 n 25.2	15 s 09.7	20 n 39.3	21 n 26.1	14 s 32.1	16 n 51.5	22 n 36.9	11 s 12.3	16 s 56.2	13 s 27.1	19 n 58.1
20 jun	5 53 9.6	23 n 26.0	10 s 07.4	21 n 05.2	21 n 38.0	14 s 26.4	16 n 48.3	22 n 36.9	11 s 12.5	16 s 56.5	13 s 27.1	19 n 57.6
21 jun	5 57 6.2	23 n 26.3	04 s 48.9	21 n 30.3	21 n 49.4	14 s 20.9	16 n 45.0	22 n 36.8	11 s 12.8	16 s 56.8	13 s 27.1	19 n 57.3
22 jun	6 1 2.8	23 n 26.2	00 n 33.7	21 n 54.3	22 n 00.1	14 s 15.5	16 n 41.7	22 n 36.8	11 s 13.1	16 s 57.1	13 s 27.2	19 n 57.3
23 jun	6 4 59.3	23 n 25.7	05 n 50.6	22 n 17.1	22 n 10.3	14 s 10.2	16 n 38.4	22 n 36.7	11 s 13.4	16 s 57.5	13 s 27.2	19 n 57.6
24 jun	6 8 55.9	23 n 24.8	10 n 52.8	22 n 38.4	22 n 19.8	14 s 05.1	16 n 35.1	22 n 36.7	11 s 13.7	16 s 57.8	13 s 27.3	19 n 58.0
25 jun	6 12 52.4	23 n 23.5	15 n 31.0	22 n 58.1	22 n 28.7	14 s 00.2	16 n 31.7	22 n 36.6	11 s 14.0	16 s 58.1	13 s 27.3	19 n 58.3
26 jun	6 16 49.0	23 n 21.7	19 n 34.9	23 n 16.0	22 n 36.9	13 s 55.5	16 n 28.3	22 n 36.5	11 s 14.4	16 s 58.5	13 s 27.4	19 n 58.5
27 jun	6 20 45.5	23 n 19.6	22 n 52.7	23 n 31.8	22 n 44.5	13 s 50.9	16 n 24.9	22 n 36.4	11 s 14.7	16 s 58.8	13 s 27.5	19 n 58.4
28 jun	6 24 42.1	23 n 17.0	25 n 12.1	23 n 45.4	22 n 51.5	13 s 46.5	16 n 21.4	22 n 36.3	11 s 15.1	16 s 59.2	13 s 27.5	19 n 57.8
29 jun	6 28 38.6	23 n 14.1	26 n 21.2	23 n 56.6	22 n 57.8	13 s 42.2	16 n 17.9	22 n 36.2	11 s 15.5	16 s 59.5	13 s 27.6	19 n 56.9
30 jun	6 32 35.2	23 n 10.7	26 n 11.7	24 n 05.3	23 n 03.4	13 s 38.2	16 n 14.4	22 n 36.1	11 s 15.9	16 s 59.9	13 s 27.7	19 n 55.7

# JULHO DE 2003

## Longitude dos Astros

Tropical Ephemeris - ter Ψa-feira, 01 jul 2003 at noon, Greenwich SVP = 05 x 12.92 True Ayanamsa = 23d 54m 04s  
Julian Day = 2452822.0

Long.	Sidereal Time			Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h	m	s	o	o	o	o	o	o	o	o	o	o	
01 jul	6	36	31.8	09 15.8	29 20.7	04 28.5	26 03.5	05 x 23.6	18 02.8	03 33.3	02 x 356	12 389	18 024	28 8 514
02 jul	6	40	28.3	10 13.1	12 16.1	06 38.7	27 16.9	05 x 42.4	18 14.4	03 41.1	02 x 344	12 376	18 010	28 8 446
03 jul	6	44	24.9	11 10.3	25 24.9	08 49.3	28 30.2	06 x 00.6	18 26.0	03 48.9	02 x 332	12 363	17 596	28 8 385
04 jul	6	48	21.4	12 07.5	08 46.8	10 59.9	29 43.6	06 x 18.3	18 37.7	03 56.6	02 x 320	12 350	17 581	28 8 337
05 jul	6	52	18.0	13 04.7	22 21.4	13 10.4	00 57.0	06 x 35.4	18 49.4	04 04.4	02 x 307	12 336	17 567	28 8 307
06 jul	6	56	14.5	14 01.9	06 08.6	15 20.3	02 10.5	06 x 52.0	19 01.2	04 12.1	02 x 294	12 322	17 553	28 8 295
07 jul	7	0	11.1	14 59.1	20 07.9	17 29.6	03 23.9	07 x 07.9	19 13.0	04 19.8	02 x 281	12 308	17 539	28 8 29.9
08 jul	7	4	7.6	15 56.3	04 18.6	19 37.9	04 37.3	07 x 23.3	19 24.9	04 27.5	02 x 267	12 294	17 526	28 8 31.1
09 jul	7	8	4.2	16 53.5	18 39.4	21 45.2	05 50.8	07 x 38.1	19 36.9	04 35.2	02 x 253	12 280	17 512	28 8 32.3
10 jul	7	12	0.8	17 50.7	03 08.0	23 51.2	07 04.3	07 x 52.2	19 48.9	04 42.9	02 x 238	12 266	17 499	28 8 32.6
11 jul	7	15	57.3	18 47.9	17 40.5	25 55.7	08 17.8	08 x 05.8	20 00.9	04 50.6	02 x 223	12 251	17 486	28 8 311
12 jul	7	19	53.9	19 45.1	02 11.9	27 58.8	09 31.3	08 x 18.7	20 13.0	04 58.2	02 x 208	12 237	17 473	28 8 273
13 jul	7	23	50.4	20 42.3	16 36.3	00 00.2	10 44.8	08 x 30.9	20 25.2	05 05.9	02 x 192	12 222	17 460	28 8 213
14 jul	7	27	47.0	21 39.5	00 47.7	02 00.0	11 58.4	08 x 42.5	20 37.4	05 13.5	02 x 176	12 207	17 448	28 8 133
15 jul	7	31	43.5	22 36.7	14 40.9	03 58.1	13 12.0	08 x 53.4	20 49.6	05 21.0	02 x 159	12 192	17 435	28 8 040
16 jul	7	35	40.1	23 33.9	28 12.4	05 54.4	14 25.6	09 x 03.6	21 01.9	05 28.6	02 x 143	12 177	17 423	27 8 545
17 jul	7	39	36.6	24 31.1	11 20.5	07 48.9	15 39.2	09 x 13.1	21 14.2	05 36.1	02 x 125	12 161	17 411	27 8 457
18 jul	7	43	33.2	25 28.3	24 x 05.8	09 41.6	16 52.8	09 x 21.9	21 26.6	05 43.7	02 x 108	12 146	17 399	27 8 386
19 jul	7	47	29.7	26 25.6	06 30.8	11 32.5	18 06.5	09 x 30.0	21 39.0	05 51.2	02 x 090	12 131	17 388	27 8 337
20 jul	7	51	26.3	27 22.8	18 39.0	13 21.5	19 20.2	09 x 37.3	21 51.4	05 58.6	02 x 072	12 115	17 376	27 8 311
21 jul	7	55	22.9	28 20.1	00 35.3	15 08.8	20 33.9	09 x 43.9	22 03.9	06 06.1	02 x 054	12 099	17 365	27 8 304
22 jul	7	59	19.4	29 17.4	12 25.0	16 54.2	21 47.6	09 x 49.7	22 16.4	06 13.5	02 x 035	12 083	17 354	27 8 30.9
23 jul	8	3	16.0	00 14.7	24 13.2	18 37.8	23 01.3	09 x 54.7	22 29.0	06 20.9	02 x 016	12 068	17 344	27 8 31.5
24 jul	8	7	12.5	01 12.0	06 05.3	20 19.6	24 15.1	09 x 58.9	22 41.6	06 28.2	01 x 597	12 052	17 333	27 8 312
25 jul	8	11	9.1	02 09.3	18 05.8	21 05.7	25 28.9	10 x 02.4	22 54.2	06 35.5	01 x 577	12 036	17 323	27 8 289
26 jul	8	15	5.6	03 06.6	00 18.7	23 37.9	26 42.7	10 x 05.1	23 06.9	06 42.8	01 x 557	12 020	17 313	27 8 242
27 jul	8	19	2.2	04 04.0	12 46.8	25 14.3	27 56.5	10 x 06.9	23 19.6	06 50.1	01 x 537	12 004	17 303	27 8 168
28 jul	8	22	58.7	05 01.3	25 31.8	26 49.0	29 10.4	10 x 08.0	23 32.3	06 57.3	01 x 517	11 987	17 294	27 8 071
29 jul	8	26	55.3	05 58.7	08 33.9	28 02.1	00 24.2	10 x 08.2	23 45.1	07 04.5	01 x 496	11 971	17 285	26 8 559
30 jul	8	30	51.9	06 56.1	21 52.1	29 52.9	01 38.1	10 x 07.7	23 57.8	07 11.7	01 x 475	11 955	17 276	26 8 443
31 jul	8	34	48.4	07 53.5	05 24.4	01 22.1	02 52.0	10 x 06.3	24 10.7	07 18.8	01 x 454	11 939	17 267	26 8 335

## Declinação dos Astros

Tropical Ephemeris - ter Ψa-feira, 01 jul 2003 at noon, Greenwich SVP = 05 x 12.92 True Ayanamsa = 23d 54m 04s  
Julian Day = 2452822.0

Decl.	Sidereal Time			Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h	m	s	o	o	o	o	o	o	o	o	o	o	
01 jul	6	36	31.8	23 n 06.9	24 n 40.7	24 n 11.4	23 n 08.4	13 s 34.3	16 n 10.9	22 n 35.9	11 s 16.4	17 s 00.3	13 s 27.8	19 n 54.2
02 jul	6	40	28.3	23 n 02.7	21 n 51.5	24 n 14.7	23 n 12.7	13 s 30.7	16 n 07.3	22 n 35.8	11 s 16.8	17 s 00.6	13 s 27.9	19 n 52.7
03 jul	6	44	24.9	22 n 58.1	17 n 53.3	24 n 15.3	23 n 16.3	13 s 27.2	16 n 03.7	22 n 35.7	11 s 17.3	17 s 01.0	13 s 28.0	19 n 51.4
04 jul	6	48	21.4	22 n 53.2	12 n 58.5	24 n 13.1	23 n 19.3	13 s 24.0	16 n 00.1	22 n 35.5	11 s 17.7	17 s 01.4	13 s 28.1	19 n 50.3
05 jul	6	52	18.0	22 n 47.8	07 n 21.8	24 n 08.0	23 n 21.6	13 s 21.0	15 n 56.4	22 n 35.3	11 s 18.2	17 s 01.8	13 s 28.2	19 n 49.7
06 jul	6	56	14.5	22 n 42.0	01 n 18.7	24 n 00.2	23 n 23.1	13 s 18.1	15 n 52.8	22 n 35.2	11 s 18.7	17 s 02.2	13 s 28.3	19 n 49.4
07 jul	7	0	11.1	22 n 35.8	04 s 54.0	23 n 49.7	23 n 24.1	13 s 15.5	15 n 49.1	22 n 35.0	11 s 19.2	17 s 02.6	13 s 28.4	19 n 49.5
08 jul	7	4	7.6	22 n 29.2	10 s 57.9	23 n 36.6	23 n 24.3	13 s 12.2	15 n 45.3	22 n 34.8	11 s 19.8	17 s 03.0	13 s 28.6	19 n 49.8
09 jul	7	8	4.2	22 n 22.3	16 s 31.7	23 n 21.0	23 n 23.8	13 s 11.0	15 n 41.6	22 n 34.6	11 s 20.3	17 s 03.4	13 s 28.7	19 n 50.0
10 jul	7	12	0.8	22 n 14.9	21 s 11.6	23 n 03.0	23 n 22.6	13 s 09.0	15 n 37.8	22 n 34.4	11 s 20.9	17 s 03.8	13 s 28.8	19 n 50.1
11 jul	7	15	57.3	22 n 07.2	24 s 33.2	22 n 42.8	23 n 20.8	13 s 07.3	15 n 34.0	22 n 34.2	11 s 21.4	17 s 04.3	13 s 29.0	19 n 49.8
12 jul	7	19	53.9	21 n 59.1	26 s 16.4	22 n 20.5	23 n 18.3	13 s 05.9	15 n 30.2	22 n 34.0	11 s 22.0	17 s 04.7	13 s 29.1	19 n 48.9
13 jul	7	23	50.4	21 n 50.6	26 s 11.8	21 n 56.2	23 n 15.0	13 s 04.6	15 n 26.3	22 n 33.7	11 s 22.6	17 s 05.1	13 s 29.3	19 n 47.6
14 jul	7	27	47.0	21 n 41.8	24 s 24.1	21 n 30.0	23 n 11.1	13 s 03.6	15 n 22.4	22 n 33.5	11 s 23.2	17 s 05.5	13 s 29.5	19 n 45.8
15 jul	7	31	43.5	21 n 32.6	21 s 10.1	21 n 02.2	23 n 06.5	13 s 02.9	15 n 18.5	22 n 33.3	11 s 23.8	17 s 06.0	13 s 29.6	19 n 43.7
16 jul	7	35	40.1	21 n 23.0	16 s 52.4	20 n 32.9	23 n 01.3	13 s 02.4	15 n 14.6	22 n 33.0	11 s 24.5	17 s 06.4	13 s 29.8	19 n 41.6
17 jul	7	39	36.6	21 n 13.0	11 s 53.4	20 n 02.1	22 n 55.3	13 s 02.1	15 n 10.7	22 n 32.8	11 s 25.1	17 s 06.8	13 s 30.0	19 n 39.6
18 jul	7	43	33.2	21 n 02.7	06 s 32.3	19 n 30.1	22 n 48.7	13 s 02.1	15 n 06.7	22 n 32.5	11 s 25.8	17 s 07.3	13 s 30.2	19 n 38.0
19 jul	7	47	29.7	20 n 52.0	01 s 04.0	18 n 57.0	22 n 41.4	13 s 02.4	15 n 02.7	22 n 32.2	11 s 26.4	17 s 07.7	13 s 30.4	19 n 36.9
20 jul	7	51	26.3	20 n 41.0	04 n 20.1	18 n 22.8	22 n 33.4	13 s 02.9	14 n 58.7	22 n 32.0	11 s 27.1	17 s 08.2	13 s 30.6	19 n 36.3
21 jul	7	55	22.9	20 n 29.6	09 n 30.2	17 n 47.7	22 n 24.8	13 s 03.7	14 n 54.7	22 n 31.7	11 s 27.8	17 s 08.6	13 s 30.8	19 n 36.2
22 jul	7	59	19.4	20 n 17.9	14 n 17.4	17 n 11.8	22 n 15.5	13 s 04.7	14 n 50.6	22 n 31.4	11 s 28.5	17 s 09.1	13 s 31.0	19 n 36.3
23 jul	8	3	16.0	20 n 05.9	18 n 32.2	16 n 35.2	22 n 05.5	13 s 06.0	14 n 46.5	22 n 31.1	11 s 29.2	17 s 09.5	13 s 31.2	19 n 36.4
24 jul	8	7	12.5	19 n 53.5	22 n 04.1	15 n 57.9	21 n 54.9	13 s 07.6	14 n 42.4	22 n 30.8	11 s 29.9	17 s 10.0	13 s 31.4	19 n 36.4
25 jul	8	11	9.1	19 n 40.8	24 n 41.3	15 n 20.2	21 n 43.7	13 s 09.4	14 n 38.3	22 n 30.5	11 s 30.6	17 s 10.4	13 s 31.7	19 n 35.8
26 jul	8	15	5.6	19 n 27.7	26 n 11.6	14 n 42.1	21 n 31.8	13 s 11.5	14 n 34.2	22 n 30.2	11 s 31.3	17 s 10.9	13 s 31.9	19 n 34.8
27 jul	8	19	2.2	19 n 14.3	26 n 24.9	14 n 03.5	21 n 19.3	13 s 13.8	14 n 30.0	22 n 29.9	11 s 32.1	17 s 11.4	13 s 32.1	19 n 33.1
28 jul	8	22	58.7	19 n 00.6	25 n 15.4	13 n 24.8	21 n 06.2	13 s 16.4	14 n 25.9	22 n 29.5	11 s 32.8	17 s 11.8	13 s 32.4	19 n 30.9
29 jul	8	26	55.3	18 n 46.6	22 n 43.8	12 n 45.8	20 n 52.4	13 s 19.3	14 n 21.7	22 n 29.2	11 s 33.6	17 s 12.3	13 s 32.6	19 n 28.3
30 jul	8	30	51.9	18 n 32.3	18 n 57.5	12 n 06.7	20 n 38.1	13 s 22.4	14 n 17.4	22 n 28.9	11 s 34.3	17 s 12.7	13 s 32.9	19 n 25.6
31 jul	8	34	48.4	18 n 17.7	14 n 09.1	11 n 27.5	20 n 23.2	13 s 25.7	14 n 13.2	22 n 28.5	11 s 35.1	17 s 13.2	13 s 33.2	19 n 23.1

# AGOSTO DE 2003

## Longitude dos Astros

Tropical Ephemeris - sexta-feira, 01 ago 2003 at noon, Greenwich SVP = 05 x 12.84 True Ayanamsa = 23d 54m 09s  
Julian Day = 2452853.0

Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "
01 ago	8 38 45.0	08 450.9	19 08.2	02 49.5	04 05.9	10 x 042	24 23.5	07 25.9	01 x 433	11 522	17 259	26 8 245
02 ago	8 42 41.5	09 448.3	03 00.7	04 15.1	05 19.9	10 x 013	24 36.3	07 32.9	01 x 411	11 506	17 251	26 8 180
03 ago	8 46 38.1	10 445.8	16 59.5	05 38.7	06 33.8	09 x 575	24 49.2	07 39.9	01 x 390	11 490	17 243	26 8 141
04 ago	8 50 34.6	11 443.2	01 02.7	07 00.5	07 47.8	09 x 531	25 02.1	07 46.8	01 x 368	11 473	17 235	26 8 124
05 ago	8 54 31.2	12 440.7	15 09.1	08 20.3	09 01.8	09 x 478	25 15.0	07 53.7	01 x 345	11 457	17 228	26 8 123
06 ago	8 58 27.7	13 438.1	29 17.8	09 38.1	10 15.8	09 x 418	25 28.0	08 00.6	01 x 323	11 441	17 221	26 8 12.4
07 ago	9 2 24.3	14 435.6	13 27.6	10 53.8	11 29.8	09 x 351	25 40.9	08 07.4	01 x 301	11 424	17 214	26 8 118
08 ago	9 6 20.9	15 433.1	27 36.8	12 07.5	12 43.9	09 x 277	25 53.9	08 14.2	01 x 278	11 408	17 208	26 8 092
09 ago	9 10 17.4	16 430.6	11 43.0	13 19.0	13 57.9	09 x 195	26 06.9	08 20.9	01 x 255	11 392	17 201	26 8 040
10 ago	9 14 14.0	17 428.1	25 42.8	14 28.2	15 12.0	09 x 107	26 19.9	08 27.6	01 x 232	11 376	17 195	25 8 560
11 ago	9 18 10.5	18 425.6	09 32.4	15 35.1	16 26.1	09 x 012	26 32.9	08 34.2	01 x 209	11 359	17 190	25 8 456
12 ago	9 22 7.1	19 423.2	23 07.8	16 39.6	17 40.2	08 x 511	26 45.9	08 40.8	01 x 186	11 343	17 185	25 8 336
13 ago	9 26 3.6	20 420.7	06 26.1	17 41.6	18 54.3	08 x 404	26 59.0	08 47.3	01 x 163	11 327	17 180	25 8 210
14 ago	9 30 0.2	21 418.3	19 25.3	18 40.9	20 08.4	08 x 290	27 12.0	08 53.8	01 x 139	11 311	17 175	25 8 092
15 ago	9 33 56.7	22 415.9	02 05.1	19 37.5	21 22.6	08 x 171	27 25.1	09 00.2	01 x 116	11 295	17 171	24 8 591
16 ago	9 37 53.3	23 413.6	14 27.0	20 31.1	22 36.7	08 x 046	27 38.1	09 06.6	01 x 092	11 279	17 166	24 8 516
17 ago	9 41 49.9	24 411.2	26 33.8	21 21.7	23 50.9	07 x 516	27 51.2	09 12.9	01 x 069	11 263	17 163	24 8 470
18 ago	9 45 46.4	25 408.9	08 29.5	22 09.1	25 05.1	07 x 381	28 04.3	09 19.1	01 x 045	11 248	17 159	24 8 447
19 ago	9 49 43.0	26 406.6	20 18.9	22 53.1	26 19.4	07 x 242	28 17.4	09 25.3	01 x 021	11 232	17 156	24 8 442
20 ago	9 53 39.5	27 404.4	02 07.5	23 33.4	27 33.6	07 x 098	28 30.5	09 31.5	00 x 597	11 216	17 153	24 8 44.3
21 ago	9 57 36.1	28 402.2	14 00.5	24 10.0	28 47.9	06 x 551	28 43.6	09 37.5	00 x 573	11 201	17 151	24 8 437
22 ago	10 1 32.6	28 459.9	26 03.6	24 42.6	00 02.2	06 x 401	28 56.6	09 43.6	00 x 549	11 185	17 148	24 8 413
23 ago	10 5 29.2	29 457.8	08 21.3	25 10.9	01 16.5	06 x 247	29 09.7	09 49.5	00 x 525	11 170	17 146	24 8 365
24 ago	10 9 25.7	00 455.6	20 57.5	25 34.6	02 30.8	06 x 092	29 22.8	09 55.4	00 x 501	11 155	17 145	24 8 289
25 ago	10 13 22.3	01 453.5	03 54.8	25 53.7	03 45.1	05 x 534	29 35.9	10 01.2	00 x 477	11 140	17 144	24 8 189
26 ago	10 17 18.9	02 451.4	17 13.8	26 07.7	04 59.5	05 x 375	29 49.0	10 07.0	00 x 454	11 125	17 143	24 8 071
27 ago	10 21 15.4	03 449.3	00 53.3	26 16.4	06 13.8	05 x 215	00 02.1	10 12.7	00 x 430	11 110	17 142	23 8 548
28 ago	10 25 12.0	04 447.3	14 50.0	26 19.6	07 28.2	05 x 054	00 15.2	10 18.3	00 x 406	11 096	17 142	23 8 431
29 ago	10 29 8.5	05 445.3	28 59.6	26 17.1	08 42.6	04 x 494	00 28.2	10 23.8	00 x 382	11 081	17 14.2	23 8 331
30 ago	10 33 5.1	06 443.3	13 16.7	26 08.6	09 57.0	04 x 334	00 41.3	10 29.3	00 x 358	11 067	17 14.2	23 8 256
31 ago	10 37 1.6	07 441.3	27 36.4	25 54.1	11 11.4	04 x 176	00 54.3	10 34.7	00 x 334	11 053	17 14.3	23 8 208

## Declinação dos Astros

Tropical Ephemeris - sexta-feira, 01 ago 2003 at noon, Greenwich SVP = 05 x 12.84 True Ayanamsa = 23d 54m 09s  
Julian Day = 2452853.0

Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "
01 ago	8 38 45.0	18 n 02.8	08 n 34.6	10 n 48.4	20 n 07.6	13 s 29.2	14 n 09.0	22 n 28.2	11 s 35.9	17 s 13.7	13 s 33.4	19 n 21.0
02 ago	8 42 41.5	17 n 02.8	02 n 31.2	10 n 09.3	19 n 51.5	13 s 33.0	14 n 04.7	22 n 27.8	11 s 36.7	17 s 14.1	13 s 33.7	19 n 19.5
03 ago	8 46 38.1	17 n 32.1	03 s 42.8	09 n 30.4	19 n 34.9	13 s 37.0	14 n 00.4	22 n 27.5	11 s 37.5	17 s 14.6	13 s 34.0	19 n 18.6
04 ago	8 50 34.6	17 n 16.3	09 s 48.8	08 n 51.7	19 n 17.6	13 s 41.2	13 n 56.1	22 n 27.1	11 s 38.3	17 s 15.1	13 s 34.3	19 n 18.2
05 ago	8 54 31.2	17 n 00.2	15 s 26.8	08 n 13.2	18 n 59.8	13 s 45.5	13 n 51.8	22 n 26.7	11 s 39.1	17 s 15.5	13 s 34.6	19 n 18.2
06 ago	8 58 27.7	16 n 43.9	20 s 15.7	07 n 35.1	18 n 41.5	13 s 50.1	13 n 47.5	22 n 26.4	11 s 39.9	17 s 16.0	13 s 34.8	19 n 18.2
07 ago	9 2 24.3	16 n 27.3	23 s 54.0	06 n 57.4	18 n 22.7	13 s 54.8	13 n 43.2	22 n 26.0	11 s 40.7	17 s 16.5	13 s 35.1	19 n 18.0
08 ago	9 6 20.9	16 n 10.4	26 s 02.8	06 n 20.2	18 n 03.3	13 s 59.7	13 n 38.8	22 n 25.6	11 s 41.5	17 s 16.9	13 s 35.4	19 n 17.4
09 ago	9 10 17.4	15 n 53.3	26 s 30.3	05 n 43.5	17 n 43.4	14 s 04.7	13 n 34.4	22 n 25.2	11 s 42.4	17 s 17.4	13 s 35.8	19 n 16.2
10 ago	9 14 14.0	15 n 35.9	25 s 15.7	05 n 07.4	17 n 23.1	14 s 09.9	13 n 30.1	22 n 24.9	11 s 43.2	17 s 17.8	13 s 36.1	19 n 14.3
11 ago	9 18 10.5	15 n 18.3	22 s 29.8	04 n 31.9	17 n 02.2	14 s 15.2	13 n 25.7	22 n 24.5	11 s 44.0	17 s 18.3	13 s 36.4	19 n 11.9
12 ago	9 22 7.1	15 n 00.4	18 s 31.7	03 n 57.2	16 n 40.9	14 s 20.6	13 n 21.3	22 n 24.1	11 s 44.9	17 s 18.8	13 s 36.7	19 n 09.0
13 ago	9 26 3.6	14 n 42.3	13 s 42.9	03 n 23.3	16 n 19.1	14 s 26.1	13 n 16.8	22 n 23.7	11 s 45.7	17 s 19.2	13 s 37.0	19 n 06.0
14 ago	9 30 0.2	14 n 23.9	08 s 23.7	02 n 50.3	15 n 56.9	14 s 31.6	13 n 12.4	22 n 23.3	11 s 46.5	17 s 19.7	13 s 37.4	19 n 03.2
15 ago	9 33 56.7	14 n 05.4	02 s 51.2	02 n 18.3	15 n 34.2	14 s 37.2	13 n 08.0	22 n 22.9	11 s 47.4	17 s 20.1	13 s 37.7	19 n 00.8
16 ago	9 37 53.3	13 n 46.6	02 n 40.7	01 n 47.4	15 n 11.1	14 s 42.9	13 n 03.5	22 n 22.5	11 s 48.2	17 s 20.6	13 s 38.0	18 n 58.9
17 ago	9 41 49.9	13 n 27.5	08 n 00.8	01 n 17.7	14 n 47.5	14 s 48.6	12 n 59.1	22 n 22.1	11 s 49.1	17 s 21.0	13 s 38.4	18 n 57.8
18 ago	9 45 46.4	13 n 08.3	12 n 59.2	00 n 49.3	14 n 23.6	14 s 54.3	12 n 54.6	22 n 21.7	11 s 49.9	17 s 21.5	13 s 38.7	18 n 57.3
19 ago	9 49 43.0	12 n 48.9	17 n 26.5	00 n 22.2	13 n 59.2	14 s 60.0	12 n 50.1	22 n 21.3	11 s 50.8	17 s 21.9	13 s 39.1	18 n 57.1
20 ago	9 53 39.5	12 n 29.2	21 n 13.1	00 s 03.3	13 n 34.5	15 s 05.7	12 n 45.6	22 n 20.9	11 s 51.6	17 s 22.3	13 s 39.5	18 n 57.2
21 ago	9 57 36.1	12 n 09.4	24 n 08.0	00 s 27.2	13 n 09.4	15 s 11.3	12 n 41.1	22 n 20.5	11 s 52.5	17 s 22.8	13 s 39.8	18 n 57.0
22 ago	10 1 32.6	11 n 49.3	26 n 00.2	00 s 49.4	12 n 44.0	15 s 16.9	12 n 36.6	22 n 20.1	11 s 53.3	17 s 23.2	13 s 40.2	18 n 56.4
23 ago	10 5 29.2	11 n 29.1	26 n 38.9	01 s 09.5	12 n 18.2	15 s 22.3	12 n 32.1	22 n 19.7	11 s 54.2	17 s 23.7	13 s 40.6	18 n 55.3
24 ago	10 9 25.7	11 n 08.7	25 n 56.6	01 s 27.6	11 n 52.0	15 s 27.7	12 n 27.6	22 n 19.3	11 s 55.0	17 s 24.1	13 s 40.9	18 n 53.4
25 ago	10 13 22.3	10 n 48.1	23 n 50.5	01 s 43.4	11 n 25.6	15 s 33.0	12 n 23.0	22 n 18.9	11 s 55.9	17 s 24.5	13 s 41.3	18 n 51.0
26 ago	10 17 18.9	10 n 27.3	20 n 24.4	01 s 56.8	10 n 58.8	15 s 38.1	12 n 18.5	22 n 18.4	11 s 56.7	17 s 24.9	13 s 41.7	18 n 48.1
27 ago	10 21 15.4	10 n 06.4	15 n 48.5	02 s 07.6	10 n 31.7	15 s 43.1	12 n 13.9	22 n 18.0	11 s 57.6	17 s 25.3	13 s 42.1	18 n 45.0
28 ago	10 25 12.0	09 n 45.3	10 n 17.6	02 s 15.5	10 n 04.4	15 s 47.9	12 n 09.4	22 n 17.6	11 s 58.4	17 s 25.8	13 s 42.5	18 n 42.1
29 ago	10 29 8.5	09 n 24.1	04 n 09.9	02 s 20.5	09 n 36.7	15 s 52.5	12 n 04.8	22 n 17.2	11 s 59.3	17 s 26.2	13 s 42.9	18 n 39.6
30 ago	10 33 5.1	09 n 02.7	02 s 14.3	02 s 22.2	09 n 08.8	15 s 56.9	12 n 00.3	22 n 16.8	12 s 00.1	17 s 26.6	13 s 43.3	18 n 37.8
31 ago	10 37 1.6	08 n 41.1	08 s 33.7	02 s 20.6	08 n 40.7	16 s 01.0	11 n 55.7	22 n 16.4	12 s 01.0	17 s 27.0	13 s 43.7	18 n 36.6

## SETEMBRO DE 2003

### Longitude dos Astros

Tropical Ephemeris - segunda-feira, 01 set 2003 at noon, Greenwich SVP = 05 x 12.75 True Ayanamsa = 23d 54m 14s  
Julian Day = 2452884.0

Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "
01 set	10 40 58.2	08 m 39.4	11 m 54.5	25 m 334	12 m 25.8	04 x 019	01 m 07.4	10 540.1	00 x 311	11 2038	17 14.4	23 8 185
02 set	10 44 54.7	09 m 37.4	26 m 08.3	25 m 065	13 m 40.2	03 x 464	01 m 20.4	10 545.3	00 x 287	11 2025	17 14.5	23 8 181
03 set	10 48 51.3	10 m 35.5	10 15.9	24 m 335	14 m 54.7	03 x 311	01 m 33.4	10 550.5	00 x 264	11 2011	17 14.7	23 8 18.4
04 set	10 52 47.9	11 m 33.7	24 16.6	23 m 547	16 m 09.1	03 x 162	01 m 46.4	10 555.7	00 x 240	10 597	17 14.9	23 8 183
05 set	10 56 44.4	12 m 31.8	08 m 09.6	23 m 104	17 m 23.6	03 x 016	01 m 59.4	11 000.7	00 x 217	10 584	17 15.1	23 8 167
06 set	11 0 41.0	13 m 30.0	21 m 54.4	22 m 211	18 m 38.1	02 x 474	02 m 12.3	11 005.6	00 x 194	10 571	17 15.4	23 8 129
07 set	11 4 37.5	14 m 28.2	05 29.9	21 m 276	19 m 52.5	02 x 336	02 m 25.3	11 010.5	00 x 171	10 558	17 15.7	23 8 065
08 set	11 8 34.1	15 m 26.4	18 54.7	20 m 307	21 m 07.0	02 x 203	02 m 38.2	11 015.3	00 x 148	10 545	17 16.0	22 8 579
09 set	11 12 30.6	16 m 24.6	02 x 07.0	19 m 316	22 m 21.5	02 x 074	02 m 51.1	11 020.1	00 x 125	10 533	17 16.4	22 8 476
10 set	11 16 27.2	17 m 22.9	15 x 05.5	18 m 313	23 m 36.0	01 x 551	03 m 04.0	11 024.7	00 x 103	10 520	17 16.8	22 8 367
11 set	11 20 23.7	18 m 21.2	27 x 49.2	17 m 313	24 m 50.5	01 x 433	03 m 16.8	11 029.3	00 x 080	10 508	17 17.2	22 8 263
12 set	11 24 20.3	19 m 19.5	10 m 17.8	16 m 328	26 m 05.0	01 x 321	03 m 29.7	11 033.7	00 x 058	10 496	17 17.7	22 8 173
13 set	11 28 16.9	20 m 17.9	22 m 32.2	15 m 374	27 m 19.5	01 x 215	03 m 42.5	11 038.1	00 x 036	10 485	17 18.1	22 8 107
14 set	11 32 13.4	21 m 16.3	04 8 34.4	14 m 463	28 m 34.1	01 x 115	03 m 55.2	11 042.4	00 x 014	10 473	17 18.7	22 8 065
15 set	11 36 10.0	22 m 14.7	16 8 27.6	14 m 009	29 m 48.6	01 x 022	04 m 08.0	11 046.7	29 593	10 462	17 19.2	22 8 047
16 set	11 40 6.5	23 m 13.2	28 8 15.7	13 m 222	01 03.1	00 x 535	04 m 20.7	11 050.8	29 571	10 451	17 19.8	22 8 047
17 set	11 44 3.1	24 m 11.7	10 m 03.3	12 m 514	02 17.7	00 x 456	04 m 33.4	11 054.8	29 550	10 440	17 20.4	22 8 05.5
18 set	11 47 59.6	25 m 10.3	21 m 55.8	12 m 292	03 32.3	00 x 383	04 m 46.1	11 058.8	29 529	10 430	17 21.1	22 8 06.2
19 set	11 51 56.2	26 m 08.8	03 58.3	12 m 161	04 46.8	00 x 318	04 m 58.7	12 002.7	29 508	10 419	17 21.8	22 8 056
20 set	11 55 52.7	27 m 07.4	16 56.2	12 m 125	06 01.4	00 x 260	05 m 11.3	12 006.4	29 488	10 409	17 22.5	22 8 032
21 set	11 59 49.3	28 m 06.1	28 54.1	12 m 18.7	07 16.0	00 x 210	05 m 23.9	12 010.1	29 467	10 399	17 23.2	21 8 587
22 set	12 3 45.8	29 m 04.8	11 8 55.5	12 m 34.6	08 30.6	00 x 167	05 m 36.4	12 013.7	29 448	10 390	17 24.0	21 8 522
23 set	12 7 42.4	00 03.5	25 8 22.4	13 m 00.1	09 45.2	00 x 133	05 m 48.9	12 017.2	29 428	10 381	17 24.8	21 8 442
24 set	12 11 39.0	01 02.3	09 m 14.4	13 m 34.9	10 59.8	00 x 106	06 m 01.3	12 020.6	29 408	10 372	17 25.7	21 8 356
25 set	12 15 35.5	02 01.1	23 m 28.6	14 m 18.5	12 14.5	00 x 087	06 m 13.7	12 023.9	29 389	10 363	17 26.6	21 8 274
26 set	12 19 32.1	02 59.9	08 00.1	15 m 10.3	13 29.1	00 x 076	06 m 26.1	12 027.1	29 371	10 355	17 27.5	21 8 203
27 set	12 23 28.6	03 58.7	22 41.9	16 m 09.9	14 43.7	00 x 074	06 m 38.4	12 030.2	29 352	10 346	17 28.4	21 8 152
28 set	12 27 25.2	04 57.6	07 m 26.8	17 m 16.6	15 58.3	00 x 07.9	06 m 50.7	12 033.2	29 334	10 339	17 29.4	21 8 121
29 set	12 31 21.7	05 56.6	22 m 07.8	18 m 29.7	17 13.0	00 x 09.3	07 m 02.9	12 036.1	29 316	10 331	17 30.4	21 8 111
30 set	12 35 18.3	06 55.5	06 39.4	19 m 48.4	18 27.6	00 x 11.5	07 m 15.1	12 038.9	29 298	10 324	17 31.4	21 8 11.7

### Declinação dos Astros

Tropical Ephemeris - segunda-feira, 01 set 2003 at noon, Greenwich SVP = 05 x 12.75 True Ayanamsa = 23d 54m 14s  
Julian Day = 2452884.0

Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "	o ' "
01 set	10 40 58.2	08 n 19.5	14 s 26.7	02 s 15.4	08 n 12.3	16 s 04.9	11 n 51.2	22 n 16.0	12 s 01.8	17 s 27.4	13 s 44.1	18 n 36.0
02 set	10 44 54.7	07 n 57.6	19 s 31.2	02 s 06.7	07 n 43.7	16 s 08.6	11 n 46.6	22 n 15.6	12 s 02.6	17 s 27.8	13 s 44.5	18 n 35.9
03 set	10 48 51.3	07 n 35.7	23 s 26.5	01 s 54.1	07 n 14.9	16 s 12.0	11 n 42.0	22 n 15.2	12 s 03.5	17 s 28.1	13 s 44.9	18 n 36.0
04 set	10 52 47.9	07 n 13.7	25 s 54.8	01 s 37.8	06 n 45.9	16 s 15.0	11 n 37.5	22 n 14.8	12 s 04.3	17 s 28.5	13 s 45.3	18 n 35.9
05 set	10 56 44.4	06 n 51.5	26 s 44.8	01 s 17.8	06 n 16.7	16 s 17.8	11 n 32.9	22 n 14.4	12 s 05.1	17 s 28.9	13 s 45.7	18 n 35.5
06 set	11 0 41.0	06 n 29.2	25 s 54.9	00 s 54.2	05 n 47.3	16 s 20.3	11 n 28.3	22 n 14.0	12 s 05.9	17 s 29.3	13 s 46.1	18 n 34.6
07 set	11 4 37.5	06 n 06.8	23 s 33.3	00 s 27.2	05 n 17.7	16 s 22.5	11 n 23.7	22 n 13.7	12 s 06.7	17 s 29.6	13 s 46.6	18 n 33.0
08 set	11 8 34.1	05 n 44.3	19 s 55.8	00 n 02.8	04 n 48.0	16 s 24.4	11 n 19.2	22 n 13.3	12 s 07.5	17 s 30.0	13 s 47.0	18 n 30.8
09 set	11 12 30.6	05 n 21.8	15 s 21.8	00 n 35.5	04 n 18.2	16 s 26.0	11 n 14.6	22 n 12.9	12 s 08.3	17 s 30.3	13 s 47.4	18 n 28.2
10 set	11 16 27.2	04 n 59.1	10 s 10.5	01 n 10.3	03 n 48.2	16 s 27.2	11 n 10.0	22 n 12.5	12 s 09.1	17 s 30.7	13 s 47.8	18 n 25.4
11 set	11 20 23.7	04 n 36.3	04 s 39.3	01 n 46.5	03 n 18.1	16 s 28.1	11 n 05.5	22 n 12.1	12 s 09.9	17 s 31.0	13 s 48.3	18 n 22.8
12 set	11 24 20.3	04 n 13.5	00 n 57.0	02 n 23.5	02 n 47.9	16 s 28.7	11 n 00.9	22 n 11.8	12 s 10.6	17 s 31.4	13 s 48.7	18 n 20.5
13 set	11 28 16.9	03 n 50.6	06 n 25.7	03 n 00.6	02 n 17.7	16 s 28.9	10 n 56.4	22 n 11.4	12 s 11.4	17 s 31.7	13 s 49.1	18 n 18.8
14 set	11 32 13.4	03 n 27.6	11 n 35.6	03 n 37.0	01 n 47.3	16 s 28.8	10 n 51.8	22 n 11.1	12 s 12.2	17 s 32.0	13 s 49.6	18 n 17.7
15 set	11 36 10.0	03 n 04.6	16 n 16.5	04 n 11.9	01 n 16.9	16 s 28.4	10 n 47.3	22 n 10.7	12 s 12.9	17 s 32.3	13 s 50.0	18 n 17.2
16 set	11 40 6.5	02 n 41.5	20 n 18.5	04 n 44.8	00 n 46.4	16 s 27.6	10 n 42.7	22 n 10.4	12 s 13.6	17 s 32.7	13 s 50.5	18 n 17.2
17 set	11 44 3.1	02 n 18.3	23 n 31.2	05 n 14.9	00 n 15.8	16 s 26.5	10 n 38.2	22 n 10.0	12 s 14.4	17 s 33.0	13 s 50.9	18 n 17.5
18 set	11 47 59.6	01 n 55.1	25 n 44.4	05 n 41.7	00 s 14.7	16 s 25.0	10 n 33.6	22 n 09.7	12 s 15.1	17 s 33.3	13 s 51.4	18 n 17.6
19 set	11 51 56.2	01 n 31.9	26 n 48.1	06 n 04.8	00 s 45.3	16 s 23.3	10 n 29.1	22 n 09.3	12 s 15.8	17 s 33.5	13 s 51.8	18 n 17.5
20 set	11 55 52.7	01 n 08.6	26 n 34.4	06 n 23.7	01 s 15.9	16 s 21.2	10 n 24.6	22 n 09.0	12 s 16.5	17 s 33.8	13 s 52.3	18 n 16.9
21 set	11 59 49.3	00 n 45.3	24 n 59.1	06 n 38.3	01 s 46.5	16 s 18.7	10 n 20.1	22 n 08.7	12 s 17.2	17 s 34.1	13 s 52.7	18 n 15.7
22 set	12 3 45.8	00 n 22.0	22 n 02.9	06 n 48.3	02 s 17.1	16 s 16.0	10 n 15.6	22 n 08.4	12 s 17.9	17 s 34.4	13 s 53.2	18 n 14.0
23 set	12 7 42.4	00 s 01.4	17 n 51.9	06 n 53.7	02 s 47.6	16 s 12.9	10 n 11.1	22 n 08.1	12 s 18.6	17 s 34.6	13 s 53.6	18 n 11.9
24 set	12 11 39.0	00 s 24.8	12 n 37.4	06 n 54.4	03 s 18.1	16 s 09.5	10 n 06.6	22 n 07.8	12 s 19.2	17 s 34.9	13 s 54.1	18 n 09.7
25 set	12 15 35.5	00 s 48.1	06 n 35.0	06 n 50.5	03 s 48.6	16 s 05.8	10 n 02.1	22 n 07.5	12 s 19.9	17 s 35.1	13 s 54.5	18 n 07.6
26 set	12 19 32.1	01 s 11.5	00 n 04.3	06 n 42.2	04 s 19.0	16 s 01.8	09 n 57.7	22 n 07.2	12 s 20.5	17 s 35.4	13 s 55.0	18 n 05.7
27 set	12 23 28.6	01 s 34.9	06 s 32.2	06 n 29.7	04 s 49.3	15 s 57.4	09 n 53.2	22 n 06.9	12 s 21.2	17 s 35.6	13 s 55.5	18 n 04.4
28 set	12 27 25.2	01 s 58.3	12 s 49.7	06 n 13.0	05 s 19.5	15 s 52.8	09 n 48.8	22 n 06.7	12 s 21.8	17 s 35.8	13 s 55.9	18 n 03.6
29 set	12 31 21.7	02 s 21.6	18 s 22.6	05 n 52.6	05 s 49.6	15 s 47.8	09 n 44.3	22 n 06.4	12 s 22.4	17 s 36.0	13 s 56.4	18 n 03.3
30 set	12 35 18.3	02 s 44.9	22 s 46.5	05 n 28.6	06 s 19.6	15 s 42.6	09 n 39.9	22 n 06.2	12 s 23.0	17 s 36.3	13 s 56.8	18 n 03.5

# OUTUBRO DE 2003

## Longitude dos Astros

Tropical Ephemeris - quarta-feira, 01 out 2003 at noon, Greenwich SVP = 05 x 12.67 True Ayanamsa = 23d 54m 19s  
Julian Day = 2452914.0

Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
01 out	12 39 14.8	07 $\sphericalangle$ 54.5	20 $\sphericalangle$ 58.0	21 $\text{m}$ 12.1	19 $\sphericalangle$ 42.3	00 $\times$ 14.5	07 $\text{m}$ 27.2	12 $\text{c}$ 41.6	29 $\sphericalangle$ 281	10 $\sphericalangle$ 317	17 $\sphericalangle$ 32.5	21 $\text{r}$ 13.0
02 out	12 43 11.4	08 $\sphericalangle$ 53.5	05 $\text{v}$ 01.6	22 $\text{m}$ 40.2	20 $\sphericalangle$ 56.9	00 $\times$ 18.2	07 $\text{m}$ 39.3	12 $\text{c}$ 44.2	29 $\sphericalangle$ 264	10 $\sphericalangle$ 310	17 $\sphericalangle$ 33.6	21 $\text{r}$ 14.3
03 out	12 47 8.0	09 $\sphericalangle$ 52.5	18 $\text{v}$ 49.6	24 $\text{m}$ 12.0	22 $\sphericalangle$ 11.5	00 $\times$ 22.8	07 $\text{m}$ 51.3	12 $\text{c}$ 46.7	29 $\sphericalangle$ 248	10 $\sphericalangle$ 304	17 $\sphericalangle$ 34.7	21 $\text{r}$ 14.8
04 out	12 51 4.5	10 $\sphericalangle$ 51.6	02 $\sphericalangle$ 22.3	25 $\text{m}$ 47.0	23 $\sphericalangle$ 26.2	00 $\times$ 28.2	08 $\text{m}$ 03.2	12 $\text{c}$ 49.1	29 $\sphericalangle$ 232	10 $\sphericalangle$ 298	17 $\sphericalangle$ 35.8	21 $\text{r}$ 138
05 out	12 55 1.1	11 $\sphericalangle$ 50.7	15 $\sphericalangle$ 40.2	27 $\text{m}$ 24.5	24 $\sphericalangle$ 40.8	00 $\times$ 34.3	08 $\text{m}$ 15.1	12 $\text{c}$ 51.4	29 $\sphericalangle$ 216	10 $\sphericalangle$ 292	17 $\sphericalangle$ 37.0	21 $\text{r}$ 112
06 out	12 58 57.6	12 $\sphericalangle$ 49.8	28 $\sphericalangle$ 44.1	29 $\text{m}$ 04.2	25 $\sphericalangle$ 55.4	00 $\times$ 41.2	08 $\text{m}$ 27.0	12 $\text{c}$ 53.6	29 $\sphericalangle$ 201	10 $\sphericalangle$ 286	17 $\sphericalangle$ 38.2	21 $\text{r}$ 071
07 out	13 2 54.2	13 $\sphericalangle$ 49.0	11 $\times$ 34.6	00 $\sphericalangle$ 45.5	27 $\sphericalangle$ 10.1	00 $\times$ 48.9	08 $\text{m}$ 38.8	12 $\text{c}$ 55.7	29 $\sphericalangle$ 186	10 $\sphericalangle$ 281	17 $\sphericalangle$ 39.4	21 $\text{r}$ 018
08 out	13 6 50.7	14 $\sphericalangle$ 48.2	24 $\times$ 12.5	02 $\sphericalangle$ 28.2	28 $\sphericalangle$ 24.7	00 $\times$ 57.3	08 $\text{m}$ 50.5	12 $\text{c}$ 57.7	29 $\sphericalangle$ 171	10 $\sphericalangle$ 276	17 $\sphericalangle$ 40.7	20 $\text{r}$ 560
09 out	13 10 47.3	15 $\sphericalangle$ 47.4	06 $\text{r}$ 38.3	04 $\sphericalangle$ 11.8	29 $\sphericalangle$ 39.3	01 $\times$ 06.4	09 $\text{m}$ 02.2	12 $\text{c}$ 59.5	29 $\sphericalangle$ 157	10 $\sphericalangle$ 272	17 $\sphericalangle$ 42.0	20 $\text{r}$ 504
10 out	13 14 43.8	16 $\sphericalangle$ 46.6	18 $\text{r}$ 52.8	05 $\sphericalangle$ 56.1	00 $\text{m}$ 54.0	01 $\times$ 16.2	09 $\text{m}$ 13.8	13 $\text{c}$ 01.3	29 $\sphericalangle$ 143	10 $\sphericalangle$ 268	17 $\sphericalangle$ 43.3	20 $\text{r}$ 457
11 out	13 18 40.4	17 $\sphericalangle$ 45.9	00 $\text{r}$ 57.3	07 $\sphericalangle$ 40.8	02 $\text{m}$ 08.6	01 $\times$ 26.8	09 $\text{m}$ 25.4	13 $\text{c}$ 03.0	29 $\sphericalangle$ 130	10 $\sphericalangle$ 264	17 $\sphericalangle$ 44.7	20 $\text{r}$ 424
12 out	13 22 37.0	18 $\sphericalangle$ 45.3	12 $\text{r}$ 53.2	09 $\sphericalangle$ 25.8	03 $\text{m}$ 23.2	01 $\times$ 38.0	09 $\text{m}$ 36.8	13 $\text{c}$ 04.5	29 $\sphericalangle$ 117	10 $\sphericalangle$ 260	17 $\sphericalangle$ 46.0	20 $\text{r}$ 407
13 out	13 26 33.5	19 $\sphericalangle$ 44.6	24 $\text{r}$ 43.1	11 $\sphericalangle$ 10.8	04 $\text{m}$ 37.9	01 $\times$ 49.9	09 $\text{m}$ 48.3	13 $\text{c}$ 06.0	29 $\sphericalangle$ 104	10 $\sphericalangle$ 257	17 $\sphericalangle$ 47.4	20 $\text{r}$ 405
14 out	13 30 30.1	20 $\sphericalangle$ 44.0	06 $\text{r}$ 29.9	12 $\sphericalangle$ 55.8	05 $\text{m}$ 52.5	02 $\times$ 02.5	09 $\text{m}$ 59.6	13 $\text{c}$ 07.3	29 $\sphericalangle$ 092	10 $\sphericalangle$ 254	17 $\sphericalangle$ 48.9	20 $\text{r}$ 41.4
15 out	13 34 26.6	21 $\sphericalangle$ 43.4	18 $\text{r}$ 17.3	14 $\sphericalangle$ 40.5	07 $\text{m}$ 07.1	02 $\times$ 15.7	10 $\text{m}$ 10.9	13 $\text{c}$ 08.5	29 $\sphericalangle$ 081	10 $\sphericalangle$ 251	17 $\sphericalangle$ 50.3	20 $\text{r}$ 42.9
16 out	13 38 23.2	22 $\sphericalangle$ 42.9	00 $\text{c}$ 09.3	16 $\sphericalangle$ 25.0	08 $\text{m}$ 21.8	02 $\times$ 29.6	10 $\text{m}$ 22.1	13 $\text{c}$ 09.6	29 $\sphericalangle$ 069	10 $\sphericalangle$ 249	17 $\sphericalangle$ 51.8	20 $\text{r}$ 44.5
17 out	13 42 19.7	23 $\sphericalangle$ 42.4	12 $\text{c}$ 10.7	18 $\sphericalangle$ 09.1	09 $\text{m}$ 36.4	02 $\times$ 44.1	10 $\text{m}$ 33.2	13 $\text{c}$ 10.6	29 $\sphericalangle$ 058	10 $\sphericalangle$ 247	17 $\sphericalangle$ 53.3	20 $\text{r}$ 45.5
18 out	13 46 16.3	24 $\sphericalangle$ 42.0	24 $\text{c}$ 26.3	19 $\sphericalangle$ 52.7	10 $\text{m}$ 51.1	02 $\times$ 59.2	10 $\text{m}$ 44.3	13 $\text{c}$ 11.5	29 $\sphericalangle$ 048	10 $\sphericalangle$ 245	17 $\sphericalangle$ 54.8	20 $\text{r}$ 45.6
19 out	13 50 12.8	25 $\sphericalangle$ 41.6	07 $\text{r}$ 00.8	21 $\sphericalangle$ 35.9	12 $\text{m}$ 05.7	03 $\times$ 15.0	10 $\text{m}$ 55.3	13 $\text{c}$ 12.3	29 $\sphericalangle$ 038	10 $\sphericalangle$ 244	17 $\sphericalangle$ 56.4	20 $\text{r}$ 446
20 out	13 54 9.4	26 $\sphericalangle$ 41.2	19 $\text{r}$ 58.5	23 $\sphericalangle$ 18.6	13 $\text{m}$ 20.3	03 $\times$ 31.3	11 $\text{m}$ 06.2	13 $\text{c}$ 13.0	29 $\sphericalangle$ 029	10 $\sphericalangle$ 243	17 $\sphericalangle$ 58.0	20 $\text{r}$ 426
21 out	13 58 6.0	27 $\sphericalangle$ 40.8	03 $\text{m}$ 22.4	25 $\sphericalangle$ 00.7	14 $\text{m}$ 35.0	03 $\times$ 48.2	11 $\text{m}$ 17.0	13 $\text{c}$ 13.5	29 $\sphericalangle$ 020	10 $\sphericalangle$ 243	17 $\sphericalangle$ 59.6	20 $\text{r}$ 399
22 out	14 2 2.5	28 $\sphericalangle$ 40.5	17 $\text{m}$ 13.9	26 $\sphericalangle$ 42.3	15 $\text{m}$ 49.6	04 $\times$ 05.7	11 $\text{m}$ 27.7	13 $\text{c}$ 14.0	29 $\sphericalangle$ 011	10 $\sphericalangle$ 242	18 $\sphericalangle$ 01.2	20 $\text{r}$ 368
23 out	14 5 59.1	29 $\sphericalangle$ 40.3	01 $\sphericalangle$ 31.9	28 $\sphericalangle$ 23.3	17 $\text{m}$ 04.3	04 $\times$ 23.8	11 $\text{m}$ 38.4	13 $\text{c}$ 14.3	29 $\sphericalangle$ 003	10 $\sphericalangle$ 242	18 $\sphericalangle$ 02.9	20 $\text{r}$ 339
24 out	14 9 55.6	00 $\text{m}$ 40.0	16 $\sphericalangle$ 12.5	00 $\text{m}$ 03.8	18 $\text{m}$ 18.9	04 $\times$ 42.4	11 $\text{m}$ 49.0	13 $\text{c}$ 14.5	28 $\sphericalangle$ 595	10 $\sphericalangle$ 24.3	18 $\sphericalangle$ 04.5	20 $\text{r}$ 316
25 out	14 13 52.2	01 $\text{m}$ 39.8	01 $\text{m}$ 09.3	01 $\text{m}$ 43.7	19 $\text{m}$ 33.6	05 $\times$ 01.6	11 $\text{m}$ 59.5	13 $\text{c}$ 14.6	28 $\sphericalangle$ 588	10 $\sphericalangle$ 24.3	18 $\sphericalangle$ 06.2	20 $\text{r}$ 301
26 out	14 17 48.7	02 $\text{m}$ 39.7	16 $\text{m}$ 14.1	03 $\text{m}$ 23.0	20 $\text{m}$ 48.2	05 $\times$ 21.3	12 $\text{m}$ 09.9	13 $\text{c}$ 146	28 $\sphericalangle$ 581	10 $\sphericalangle$ 24.5	18 $\sphericalangle$ 08.0	20 $\text{r}$ 294
27 out	14 21 45.3	03 $\text{m}$ 39.6	01 $\sphericalangle$ 17.8	05 $\text{m}$ 01.8	22 $\text{m}$ 02.9	05 $\times$ 41.6	12 $\text{m}$ 20.2	13 $\text{c}$ 145	28 $\sphericalangle$ 575	10 $\sphericalangle$ 24.6	18 $\sphericalangle$ 09.7	20 $\text{r}$ 29.7
28 out	14 25 41.8	04 $\text{m}$ 39.4	16 $\sphericalangle$ 11.9	06 $\text{m}$ 40.0	23 $\text{m}$ 17.5	06 $\times$ 02.3	12 $\text{m}$ 30.4	13 $\text{c}$ 143	28 $\sphericalangle$ 569	10 $\sphericalangle$ 24.8	18 $\sphericalangle$ 11.5	20 $\text{r}$ 30.5
29 out	14 29 38.4	05 $\text{m}$ 39.4	00 $\text{v}$ 49.8	08 $\text{m}$ 17.7	24 $\text{m}$ 32.2	06 $\times$ 23.6	12 $\text{m}$ 40.5	13 $\text{c}$ 139	28 $\sphericalangle$ 564	10 $\sphericalangle$ 25.0	18 $\sphericalangle$ 13.3	20 $\text{r}$ 31.7
30 out	14 33 35.0	06 $\text{m}$ 39.3	15 $\text{v}$ 07.1	09 $\text{m}$ 54.9	25 $\text{m}$ 46.8	06 $\times$ 45.3	12 $\text{m}$ 50.5	13 $\text{c}$ 135	28 $\sphericalangle$ 560	10 $\sphericalangle$ 25.2	18 $\sphericalangle$ 15.1	20 $\text{r}$ 32.8
31 out	14 37 31.5	07 $\text{m}$ 39.3	29 $\text{v}$ 01.8	11 $\text{m}$ 31.6	27 $\text{m}$ 01.4	07 $\times$ 07.6	13 $\text{m}$ 00.5	13 $\text{c}$ 129	28 $\sphericalangle$ 555	10 $\sphericalangle$ 25.5	18 $\sphericalangle$ 16.9	20 $\text{r}$ 33.6

## Declinação dos Astros

Tropical Ephemeris - quarta-feira, 01 out 2003 at noon, Greenwich SVP = 05 x 12.67 True Ayanamsa = 23d 54m 19s  
Julian Day = 2452914.0

Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
01 out	12 39 14.8	03 $\text{s}$ 08.2	25 $\text{s}$ 41.5	05 $\text{n}$ 01.5	06 $\text{s}$ 49.4	15 $\text{s}$ 37.1	09 $\text{n}$ 35.5	22 $\text{n}$ 05.9	12 $\text{s}$ 23.6	17 $\text{s}$ 36.5	13 $\text{s}$ 57.3	18 $\text{n}$ 03.8
02 out	12 43 11.4	03 $\text{s}$ 31.5	26 $\text{s}$ 55.4	04 $\text{n}$ 31.4	07 $\text{s}$ 19.2	15 $\text{s}$ 31.3	09 $\text{n}$ 31.2	22 $\text{n}$ 05.7	12 $\text{s}$ 24.1	17 $\text{s}$ 36.6	13 $\text{s}$ 57.8	18 $\text{n}$ 04.1
03 out	12 47 8.0	03 $\text{s}$ 54.7	26 $\text{s}$ 26.5	03 $\text{n}$ 58.7	07 $\text{s}$ 48.7	15 $\text{s}$ 25.2	09 $\text{n}$ 26.8	22 $\text{n}$ 05.4	12 $\text{s}$ 24.7	17 $\text{s}$ 36.8	13 $\text{s}$ 58.2	18 $\text{n}$ 04.3
04 out	12 51 4.5	04 $\text{s}$ 17.9	24 $\text{s}$ 23.8	03 $\text{n}$ 23.8	08 $\text{s}$ 18.1	15 $\text{s}$ 18.9	09 $\text{n}$ 22.4	22 $\text{n}$ 05.2	12 $\text{s}$ 25.2	17 $\text{s}$ 37.0	13 $\text{s}$ 58.7	18 $\text{n}$ 04.0
05 out	12 55 1.1	04 $\text{s}$ 41.0	21 $\text{s}$ 03.0	02 $\text{n}$ 46.8	08 $\text{s}$ 47.3	15 $\text{s}$ 12.3	09 $\text{n}$ 18.1	22 $\text{n}$ 05.0	12 $\text{s}$ 25.7	17 $\text{s}$ 37.2	13 $\text{s}$ 59.1	18 $\text{n}$ 03.3
06 out	12 58 57.6	05 $\text{s}$ 04.1	16 $\text{s}$ 43.0	02 $\text{n}$ 08.2	09 $\text{s}$ 16.4	15 $\text{s}$ 05.4	09 $\text{n}$ 13.8	22 $\text{n}$ 04.8	12 $\text{s}$ 26.3	17 $\text{s}$ 37.3	13 $\text{s}$ 59.6	18 $\text{n}$ 02.3
07 out	13 2 54.2	05 $\text{s}$ 27.1	11 $\text{s}$ 42.0	01 $\text{n}$ 28.0	09 $\text{s}$ 45.2	14 $\text{s}$ 58.3	09 $\text{n}$ 09.5	22 $\text{n}$ 04.6	12 $\text{s}$ 26.8	17 $\text{s}$ 37.5	14 $\text{s}$ 00.1	18 $\text{n}$ 00.9
08 out	13 6 50.7	05 $\text{s}$ 50.0	06 $\text{s}$ 16.7	00 $\text{n}$ 46.7	10 $\text{s}$ 13.8	14 $\text{s}$ 50.9	09 $\text{n}$ 05.2	22 $\text{n}$ 04.5	12 $\text{s}$ 27.2	17 $\text{s}$ 37.6	14 $\text{s}$ 00.5	17 $\text{n}$ 59.3
09 out	13 10 47.3	06 $\text{s}$ 12.8	00 $\text{s}$ 41.4	00 $\text{n}$ 04.4	10 $\text{s}$ 42.1	14 $\text{s}$ 43.3	09 $\text{n}$ 01.0	22 $\text{n}$ 04.3	12 $\text{s}$ 27.7	17 $\text{s}$ 37.8	14 $\text{s}$ 01.0	17 $\text{n}$ 57.9
10 out	13 14 43.8	06 $\text{s}$ 35.8	04 $\text{s}$ 51.1	00 $\text{s}$ 38.7	11 $\text{s}$ 10.3	14 $\text{s}$ 35.5	08 $\text{n}$ 56.7	22 $\text{n}$ 04.1	12 $\text{s}$ 28.2	17 $\text{s}$ 37.9	14 $\text{s}$ 01.5	17 $\text{n}$ 56.6
11 out	13 18 40.4	06 $\text{s}$ 58.3	10 $\text{n}$ 09.2	01 $\text{s}$ 22.3	11 $\text{s}$ 38.1	14 $\text{s}$ 27.4	08 $\text{n}$ 52.5	22 $\text{n}$ 04.0	12 $\text{s}$ 28.6	17 $\text{s}$ 38.0	14 $\text{s}$ 01.9	17 $\text{n}$ 55.8
12 out	13 22 37.0	07 $\text{s}$ 20.9	15 $\text{n}$ 02.0	02 $\text{s}$ 06.5	12 $\text{s}$ 05.7	14 $\text{s}$ 19.1	08 $\text{n}$ 48.3	22 $\text{n}$ 03.9	12 $\text{s}$ 29.0	17 $\text{s}$ 38.1	14 $\text{s}$ 02.4	17 $\text{n}$ 55.3
13 out	13 26 33.5	07 $\text{s}$ 43.3	19 $\text{n}$ 18.6	02 $\text{s}$ 50.9	12 $\text{s}$ 33.0	14 $\text{s}$ 10.7	08 $\text{n}$ 44.2	22 $\text{n}$ 03.7	12 $\text{s}$ 29.4	17 $\text{s}$ 38.2	14 $\text{s}$ 02.8	17 $\text{n}$ 55.2
14 out	13 30 30.1	08 $\text{s}$ 05.7	22 $\text{n}$ 48.4	03 $\text{s}$ 35.4	13 $\text{s}$ 00.0	14 $\text{s}$ 02.0	08 $\text{n}$ 40.0	22 $\text{n}$ 03.6	12 $\text{s}$ 29.8	17 $\text{s}$ 38.3	14 $\text{s}$ 03.3	17 $\text{n}$ 55.5
15 out	13 34 26.6	08 $\text{s}$ 28.0	25 $\text{n}$ 20.9	04 $\text{s}$ 20.0	13 $\text{s}$ 26.7	13 $\text{s}$ 53.1	08 $\text{n}$ 35.9	22 $\text{n}$ 03.5	12 $\text{s}$ 30.2	17 $\text{s}$ 38.4		

# NOVEMBRO DE 2003

## Longitude dos Astros

Tropical Ephemeris - sϕbado, 01 nov 2003 at noon, Greenwich SVP = 05 x 12.58 True Ayanamsa = 23d 54m 24s  
Julian Day = 2452945.0

Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	o .	o .	o .	o .	o .	o .	o .	o .	o .	o .	o .
01 nov	14 41 28.1	08m39.3	12m33.9	13m07.8	28m16.1	07x30.2	13m10.3	13o122	28m552	10m25.8	18x18.8	20x34.0
02 nov	14 45 24.6	09m39.4	25m44.7	14m43.6	29m30.7	07x53.4	13m20.0	13o114	28m548	10m26.2	18x20.6	20x339
03 nov	14 49 21.2	10m39.4	08x36.5	16m18.9	00x45.3	08x17.0	13m29.7	13o105	28m546	10m26.5	18x22.5	20x334
04 nov	14 53 17.7	11m39.5	21x11.8	17m53.7	01x59.9	08x41.0	13m39.2	13o095	28m543	10m27.0	18x24.4	20x326
05 nov	14 57 14.3	12m39.6	03x33.5	19m28.2	03x14.5	09x05.4	13m48.6	13o084	28m542	10m27.4	18x26.4	20x318
06 nov	15 1 10.8	13m39.8	15x44.0	21m02.2	04x29.1	09x30.2	13m57.9	13o072	28m540	10m27.9	18x28.3	20x311
07 nov	15 5 7.4	14m39.9	27x45.7	22m35.9	05x43.7	09x55.4	14m07.1	13o058	28m540	10m28.4	18x30.3	20x307
08 nov	15 9 4.0	15m40.1	09x40.7	24m09.1	06x58.3	10x21.0	14m16.2	13o044	28m540	10m28.9	18x32.3	20x305
09 nov	15 13 0.5	16m40.4	21x31.1	25m42.1	08x12.9	10x46.9	14m25.2	13o028	28m54.0	10m29.5	18x34.3	20x30.6
10 nov	15 16 57.1	17m40.6	03x19.0	27m14.7	09x27.5	11x13.2	14m34.1	13o012	28m54.1	10m30.1	18x36.3	20x30.7
11 nov	15 20 53.6	18m40.9	15x06.7	28m46.9	10x42.0	11x39.9	14m42.8	12o594	28m54.2	10m30.8	18x38.3	20x30.9
12 nov	15 24 50.2	19m41.2	26x56.6	00x18.8	11x56.6	12x06.9	14m51.5	12o575	28m54.4	10m31.5	18x40.3	20x30.9
13 nov	15 28 46.7	20m41.6	08o51.7	01x50.4	13x11.2	12x34.2	14m60.0	12o555	28m54.6	10m32.2	18x42.4	20x30.8
14 nov	15 32 43.3	21m41.9	20o55.3	03x21.7	14x25.7	13x01.9	15m08.4	12o535	28m54.9	10m32.9	18x44.5	20x30.5
15 nov	15 36 39.8	22m42.4	03x11.0	04x52.7	15x40.3	13x29.8	15m16.6	12o513	28m55.2	10m33.7	18x46.6	20x30.1
16 nov	15 40 36.4	23m42.8	15x42.8	06x23.3	16x54.8	13x58.1	15m24.8	12o490	28m55.6	10m34.5	18x48.7	20x299
17 nov	15 44 32.9	24m43.3	28x34.5	07x53.7	18x09.4	14x26.7	15m32.8	12o466	28m56.1	10m35.4	18x50.8	20x298
18 nov	15 48 29.5	25m43.8	11m49.6	09x23.7	19x23.9	14x55.6	15m40.7	12o441	28m56.5	10m36.3	18x52.9	20x30.1
19 nov	15 52 26.1	26m44.3	25m30.6	10x53.4	20x38.4	15x24.7	15m48.5	12o415	28m57.1	10m37.2	18x55.1	20x30.7
20 nov	15 56 22.6	27m44.9	09x38.4	12x22.7	21x53.0	15x54.2	15m56.1	12o388	28m57.7	10m38.1	18x57.2	20x31.5
21 nov	16 0 19.2	28m45.5	24x11.6	13x51.7	23x07.5	16x23.9	16m03.6	12o361	28m58.3	10m39.1	18x59.4	20x32.3
22 nov	16 4 15.7	29m46.1	09m06.1	15x20.2	24x22.0	16x53.9	16m11.0	12o332	28m59.0	10m40.1	19x01.5	20x32.9
23 nov	16 8 12.3	00x46.7	24m15.0	16x48.3	25x36.6	17x24.2	16m18.2	12o302	28m59.8	10m41.1	19x03.7	20x33.1
24 nov	16 12 8.8	01x47.4	09x29.4	18x15.9	26x51.1	17x54.7	16m25.3	12o271	29m00.6	10m42.2	19x05.9	20x326
25 nov	16 16 5.4	02x48.1	24x39.2	19x42.9	28x05.6	18x25.5	16m32.2	12o240	29m01.4	10m43.3	19x08.1	20x314
26 nov	16 20 1.9	03x48.8	09x35.2	21x09.4	29x20.1	18x56.5	16m39.0	12o207	29m02.3	10m44.4	19x10.3	20x295
27 nov	16 23 58.5	04x49.5	24x09.8	22x35.1	00x34.6	19x27.8	16m45.6	12o174	29m03.3	10m45.6	19x12.6	20x273
28 nov	16 27 55.1	05x50.3	08m18.4	23x65.0	01x49.0	19x59.3	16m52.1	12o140	29m04.3	10m46.8	19x14.8	20x250
29 nov	16 31 51.6	06x51.1	21m59.4	25x24.0	03x03.5	20x31.0	16m58.5	12o105	29m05.3	10m48.0	19x17.0	20x229
30 nov	16 35 48.2	07x51.9	05x13.5	26x47.0	04x18.0	21x02.9	17m04.7	12o069	29m06.4	10m49.2	19x19.3	20x215

## Declinação dos Astros

Tropical Ephemeris - sϕbado, 01 nov 2003 at noon, Greenwich SVP = 05 x 12.58 True Ayanamsa = 23d 54m 24s  
Julian Day = 2452945.0

Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	o .	o .	o .	o .	o .	o .	o .	o .	o .	o .	o .
01 nov	14 41 28.1	14s23.2	22s03.1	15s56.9	20s00.5	10s54.0	07n30.2	22n03.4	12s34.2	17s38.4	14s11.3	17n53.5
02 nov	14 45 24.6	14s42.3	17s53.2	16s31.9	20s19.4	10s42.1	07n26.6	22n03.5	12s34.3	17s38.3	14s11.7	17n53.5
03 nov	14 49 21.2	15s01.2	12s59.9	17s06.0	20s37.7	10s30.0	07n23.1	22n03.6	12s34.3	17s38.2	14s12.1	17n53.3
04 nov	14 53 17.7	15s19.9	07s40.2	17s39.3	20s55.4	10s17.7	07n19.6	22n03.8	12s34.4	17s38.1	14s12.6	17n53.1
05 nov	14 57 14.3	15s38.3	02s08.1	18s11.6	21s12.6	10s05.4	07n16.1	22n03.9	12s34.4	17s38.0	14s13.0	17n52.9
06 nov	15 1 10.8	15s56.4	03n24.2	18s43.1	21s29.1	09s52.9	07n12.7	22n04.0	12s34.4	17s37.9	14s13.4	17n52.7
07 nov	15 5 7.4	16s14.3	08n46.0	19s13.6	21s45.1	09s40.3	07n09.4	22n04.2	12s34.4	17s37.7	14s13.8	17n52.6
08 nov	15 9 4.0	16s31.8	13n46.3	19s43.2	22s00.5	09s27.5	07n06.1	22n04.4	12s34.4	17s37.6	14s14.2	17n52.6
09 nov	15 13 0.5	16s49.2	18n14.3	20s11.9	22s15.2	09s14.7	07n02.8	22n04.5	12s34.3	17s37.4	14s14.6	17n52.6
10 nov	15 16 57.1	17s06.2	21n58.8	20s39.5	22s29.3	09s01.7	06n59.5	22n04.7	12s34.3	17s37.3	14s15.0	17n52.6
11 nov	15 20 53.6	17s22.9	24n48.6	21s06.1	22s42.7	08s48.7	06n56.4	22n04.9	12s34.2	17s37.1	14s15.4	17n52.7
12 nov	15 24 50.2	17s39.4	26n33.6	21s31.7	22s55.5	08s35.5	06n53.2	22n05.1	12s34.1	17s36.9	14s15.8	17n52.7
13 nov	15 28 46.7	17s55.5	27n06.1	21s56.2	23s07.6	08s22.2	06n50.1	22n05.4	12s34.0	17s36.8	14s16.2	17n52.7
14 nov	15 32 43.3	18s11.3	26n22.1	22s19.6	23s19.1	08s08.8	06n47.1	22n05.6	12s33.8	17s36.6	14s16.6	17n52.6
15 nov	15 36 39.8	18s26.9	24n21.9	22s42.0	23s29.8	07s55.4	06n44.1	22n05.8	12s33.7	17s36.4	14s17.0	17n52.5
16 nov	15 40 36.4	18s42.0	21n09.7	23s03.2	23s39.9	07s41.8	06n41.1	22n06.1	12s33.5	17s36.2	14s17.3	17n52.4
17 nov	15 44 32.9	18s56.9	16n52.9	23s23.3	23s49.3	07s28.1	06n38.2	22n06.4	12s33.3	17s35.9	14s17.7	17n52.4
18 nov	15 48 29.5	19s11.4	11n41.1	23s42.2	23s57.9	07s14.3	06n35.3	22n06.6	12s33.1	17s35.7	14s18.1	17n52.5
19 nov	15 52 26.1	19s25.6	05n46.1	23s59.9	24s05.9	07s00.5	06n32.5	22n06.9	12s32.9	17s35.5	14s18.4	17n52.6
20 nov	15 56 22.6	19s39.4	00s37.7	24s16.3	24s13.1	06s46.5	06n29.8	22n07.2	12s32.6	17s35.2	14s18.8	17n52.9
21 nov	16 0 19.2	19s52.9	07s11.7	24s31.6	24s19.6	06s32.5	06n27.1	22n07.5	12s32.4	17s35.0	14s19.2	17n53.1
22 nov	16 4 15.7	20s06.0	13s32.1	24s45.6	24s25.4	06s18.4	06n24.4	22n07.8	12s32.1	17s34.7	14s19.5	17n53.2
23 nov	16 8 12.3	20s18.8	19s10.2	24s58.2	24s30.4	06s04.2	06n21.8	22n08.1	12s31.8	17s34.4	14s19.9	17n53.3
24 nov	16 12 8.8	20s31.2	23s34.7	25s09.6	24s34.8	05s49.9	06n19.3	22n08.5	12s31.5	17s34.2	14s20.2	17n53.1
25 nov	16 16 5.4	20s43.2	26s18.1	25s19.7	24s38.3	05s35.5	06n16.8	22n08.8	12s31.2	17s33.9	14s20.6	17n52.8
26 nov	16 20 1.9	20s54.8	27s04.8	25s28.4	24s41.1	05s21.1	06n14.4	22n09.2	12s30.8	17s33.6	14s20.9	17n52.3
27 nov	16 23 58.5	21s06.0	25s56.5	25s35.7	24s43.2	05s06.6	06n12.0	22n09.5	12s30.5	17s33.3	14s21.2	17n51.7
28 nov	16 27 55.1	21s16.8	23s10.0	25s41.6	24s44.5	04s52.0	06n09.7	22n09.9	12s30.1	17s32.9	14s21.6	17n51.1
29 nov	16 31 51.6	21s27.2	19s09.8	25s46.2	24s45.0	04s37.3	06n07.5	22n10.2	12s29.7	17s32.6	14s21.9	17n50.6
30 nov	16 35 48.2	21s37.2	14s20.2	25s49.3	24s44.8	04s22.6	06n05.3	22n10.6	12s29.3	17s32.3	14s22.2	17n50.2

## DEZEMBRO DE 2003

### Longitude dos Astros

Tropical Ephemeris - segunda-feira, 01 dez 2003 at noon, Greenwich SVP = 05x12.50 True Ayanamsa = 23d 54m 29s  
Julian Day = 2452975.0

Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	o .	o .	o .	o .	o .	o .	o .	o .	o .	o .	o .
01 dez	16 39 44.7	08 52.7	18 03.3	28 08.7	05 32.4	21 35.1	17 10.7	12 032	29 07.6	10 50.5	19 21.5	20 8210
02 dez	16 43 41.3	09 53.5	00 32.7	29 29.1	06 46.8	22 07.4	17 16.6	11 595	29 08.8	10 51.8	19 23.8	20 821.3
03 dez	16 47 37.8	10 54.3	12 45.8	00 47.9	08 01.2	22 40.0	17 22.3	11 557	29 10.0	10 53.2	19 26.0	20 822.4
04 dez	16 51 34.4	11 55.1	24 47.0	02 04.8	09 15.6	23 12.7	17 27.9	11 518	29 11.3	10 54.5	19 28.3	20 823.8
05 dez	16 55 30.9	12 56.0	06 40.2	03 19.6	10 30.0	23 45.6	17 33.3	11 478	29 12.6	10 55.9	19 30.5	20 825.2
06 dez	16 59 27.5	13 56.9	18 28.9	04 32.0	11 44.4	24 18.7	17 38.6	11 438	29 14.0	10 57.4	19 32.8	20 825.9
07 dez	17 3 24.1	14 57.8	00 16.3	05 41.5	12 58.7	24 52.0	17 43.7	11 397	29 15.5	10 58.8	19 35.1	20 8256
08 dez	17 7 20.6	15 58.7	12 04.8	06 47.8	14 13.0	25 25.4	17 48.6	11 356	29 16.9	11 00.3	19 37.4	20 8239
09 dez	17 11 17.2	16 59.6	23 56.6	07 50.3	15 27.3	25 59.0	17 53.4	11 313	29 18.5	11 01.8	19 39.6	20 8208
10 dez	17 15 13.7	18 00.5	05 53.5	08 48.4	16 41.6	26 32.8	17 58.0	11 270	29 20.1	11 03.3	19 41.9	20 8166
11 dez	17 19 10.3	19 01.5	17 57.3	09 41.7	17 55.9	27 06.7	18 02.4	11 227	29 21.7	11 04.9	19 44.2	20 8117
12 dez	17 23 6.8	20 02.5	00 09.7	10 29.2	19 10.2	27 40.7	18 06.7	11 183	29 23.3	11 06.4	19 46.5	20 8068
13 dez	17 27 3.4	21 03.5	12 32.7	11 10.4	20 24.4	28 15.0	18 10.7	11 139	29 25.1	11 08.0	19 48.7	20 8023
14 dez	17 30 59.9	22 04.5	25 08.7	11 44.3	21 38.6	28 49.3	18 14.7	11 094	29 26.8	11 09.7	19 51.0	19 8590
15 dez	17 34 56.5	23 05.5	08 00.1	12 10.1	22 52.8	29 23.8	18 18.4	11 048	29 28.6	11 11.3	19 53.3	19 8570
16 dez	17 38 53.1	24 06.5	21 09.6	12 26.9	24 07.0	29 58.4	18 22.0	11 002	29 30.5	11 13.0	19 55.6	19 8566
17 dez	17 42 49.6	25 07.6	04 39.7	12 33.8	25 21.1	00 33.2	18 25.3	10 956	29 32.4	11 14.7	19 57.9	19 857.3
18 dez	17 46 46.2	26 08.7	18 32.2	12 301	26 35.3	01 08.1	18 28.5	10 909	29 34.3	11 16.4	20 00.1	19 858.6
19 dez	17 50 42.7	27 09.7	02 47.7	12 152	27 49.4	01 43.1	18 31.6	10 862	29 36.3	11 18.2	20 02.4	19 859.9
20 dez	17 54 39.3	28 10.8	17 24.9	11 486	29 03.5	02 18.2	18 34.4	10 814	29 38.3	11 19.9	20 04.7	20 800.2
21 dez	17 58 35.8	29 12.0	02 19.7	11 104	00 17.6	02 53.5	18 37.1	10 766	29 40.4	11 21.7	20 06.9	19 8590
22 dez	18 2 32.4	00 13.1	17 25.6	10 208	01 31.6	03 28.9	18 39.5	10 718	29 42.5	11 23.6	20 09.2	19 8559
23 dez	18 6 28.9	01 14.2	02 33.6	09 209	02 45.7	04 04.4	18 41.8	10 670	29 44.6	11 25.4	20 11.4	19 8509
24 dez	18 10 25.5	02 15.4	17 33.9	08 121	03 59.7	04 40.0	18 43.9	10 622	29 46.8	11 27.2	20 13.7	19 8442
25 dez	18 14 22.1	03 16.5	02 17.3	06 562	05 13.7	05 15.7	18 45.8	10 572	29 49.0	11 29.1	20 15.9	19 8365
26 dez	18 18 18.6	04 17.7	16 36.8	05 358	06 27.6	05 51.6	18 47.5	10 523	29 51.3	11 31.0	20 18.1	19 8286
27 dez	18 22 15.2	05 18.8	00 28.2	04 136	07 41.5	06 27.5	18 49.1	10 474	29 53.6	11 32.9	20 20.3	19 8215
28 dez	18 26 11.7	06 20.0	13 50.5	02 521	08 55.4	07 03.6	18 50.4	10 424	29 56.0	11 34.9	20 22.6	19 8158
29 dez	18 30 8.3	07 21.1	26 45.4	01 342	10 09.2	07 39.7	18 51.6	09 375	29 58.4	11 36.8	20 24.8	19 8120
30 dez	18 34 4.8	08 22.3	09 16.6	00 221	11 23.0	08 15.9	18 52.5	09 325	00 00.8	11 38.8	20 27.0	19 8102
31 dez	18 38 1.4	09 23.4	21 28.9	29 176	12 36.8	08 52.2	18 53.3	09 276	00 03.2	11 40.8	20 29.1	19 8100

### Declinação dos Astros

Tropical Ephemeris - segunda-feira, 01 dez 2003 at noon, Greenwich SVP = 05x12.50 True Ayanamsa = 23d 54m 29s  
Julian Day = 2452975.0

Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	o .	o .	o .	o .	o .	o .	o .	o .	o .	o .	o .
01 dez	16 39 44.7	21 46.8	09 01.4	25 51.0	24 43.9	04 07.8	06 n03.1	22 n11.0	12 s28.8	17 s31.9	14 s22.5	17 n50.1
02 dez	16 43 41.3	21 56.0	03 29.2	25 51.3	24 42.2	03 52.9	06 n01.1	22 n11.4	12 s28.4	17 s31.6	14 s22.8	17 n50.1
03 dez	16 47 37.8	22 04.7	02 n04.2	25 50.2	24 39.7	03 38.0	05 n59.1	22 n11.8	12 s27.9	17 s31.2	14 s23.1	17 n50.4
04 dez	16 51 34.4	22 13.1	07 n28.3	25 47.7	24 36.5	03 23.0	05 n57.1	22 n12.2	12 s27.4	17 s30.9	14 s23.4	17 n50.8
05 dez	16 55 30.9	22 21.0	12 n33.3	25 43.7	24 32.6	03 08.0	05 n55.2	22 n12.6	12 s26.9	17 s30.5	14 s23.7	17 n51.2
06 dez	16 59 27.5	22 28.4	17 n09.2	25 38.4	24 27.8	02 52.9	05 n53.4	22 n13.0	12 s26.4	17 s30.1	14 s24.0	17 n51.4
07 dez	17 3 24.1	22 35.5	21 n05.1	25 31.8	24 22.4	02 37.8	05 n51.7	22 n13.5	12 s25.9	17 s29.7	14 s24.3	17 n51.3
08 dez	17 7 20.6	22 42.0	24 n09.6	25 23.8	24 16.2	02 22.7	05 n50.0	22 n13.9	12 s25.3	17 s29.4	14 s24.6	17 n50.8
09 dez	17 11 17.2	22 48.2	26 n11.7	25 14.6	24 09.3	02 07.5	05 n48.3	22 n14.3	12 s24.7	17 s29.0	14 s24.8	17 n50.0
10 dez	17 15 13.7	22 53.9	27 n02.3	25 04.3	24 01.7	01 52.2	05 n46.8	22 n14.7	12 s24.1	17 s28.5	14 s25.1	17 n48.9
11 dez	17 19 10.3	22 59.1	26 n36.4	24 52.8	23 53.3	01 36.9	05 n45.3	22 n15.2	12 s23.5	17 s28.1	14 s25.4	17 n47.6
12 dez	17 23 6.8	23 03.9	24 n53.9	24 40.3	23 44.2	01 21.6	05 n43.9	22 n15.6	12 s22.9	17 s27.7	14 s25.6	17 n46.3
13 dez	17 27 3.4	23 08.2	21 n59.4	24 26.8	23 34.4	01 06.3	05 n42.5	22 n16.1	12 s22.3	17 s27.3	14 s25.9	17 n45.1
14 dez	17 30 59.9	23 12.1	18 n01.2	24 12.6	23 23.9	00 50.9	05 n41.2	22 n16.5	12 s21.6	17 s26.8	14 s26.1	17 n44.2
15 dez	17 34 56.5	23 15.5	13 n09.5	23 57.8	23 12.7	00 35.5	05 n40.0	22 n17.0	12 s21.0	17 s26.4	14 s26.4	17 n43.6
16 dez	17 38 53.1	23 18.5	07 n35.9	23 42.4	23 00.8	00 20.0	05 n38.9	22 n17.4	12 s20.3	17 s25.9	14 s26.6	17 n43.5
17 dez	17 42 49.6	23 20.9	01 n32.9	23 26.6	22 48.3	00 04.6	05 n37.8	22 n17.9	12 s19.6	17 s25.5	14 s26.8	17 n43.7
18 dez	17 46 46.2	23 23.0	04 45.0	23 10.5	22 35.0	00 10.9	05 n36.8	22 n18.4	12 s18.9	17 s25.0	14 s27.1	17 n44.1
19 dez	17 50 42.7	23 24.5	10 59.7	22 54.4	22 21.1	00 26.5	05 n35.9	22 n18.8	12 s18.2	17 s24.6	14 s27.3	17 n44.4
20 dez	17 54 39.3	23 25.6	16 48.4	22 38.2	22 06.6	00 42.0	05 n35.0	22 n19.3	12 s17.4	17 s24.1	14 s27.5	17 n44.5
21 dez	17 58 35.8	23 26.2	21 43.1	22 22.2	21 51.4	00 57.5	05 n34.2	22 n19.8	12 s16.7	17 s23.6	14 s27.7	17 n44.2
22 dez	18 2 32.4	23 26.3	25 13.7	22 06.4	21 35.6	01 n13.1	05 n33.5	22 n20.2	12 s15.9	17 s23.1	14 s27.9	17 n43.3
23 dez	18 6 28.9	23 26.0	26 55.3	21 50.9	21 19.1	01 n28.7	05 n32.8	22 n20.7	12 s15.1	17 s22.6	14 s28.1	17 n42.0
24 dez	18 10 25.5	23 25.2	26 36.9	21 36.0	21 02.1	01 n44.3	05 n32.3	22 n21.2	12 s14.3	17 s22.1	14 s28.3	17 n40.2
25 dez	18 14 22.1	23 23.9	24 26.2	21 21.6	20 44.4	01 n59.9	05 n31.8	22 n21.6	12 s13.5	17 s21.6	14 s28.5	17 n38.1
26 dez	18 18 18.6	23 22.2	20 45.3	21 08.0	20 26.2	02 n15.5	05 n31.4	22 n22.1	12 s12.7	17 s21.1	14 s28.7	17 n36.0
27 dez	18 22 15.2	23 19.9	16 01.8	20 55.5	20 07.3	02 n31.2	05 n31.0	22 n22.6	12 s11.9	17 s20.6	14 s28.8	17 n34.0
28 dez	18 26 11.7	23 17.2	10 40.9	20 44.2	19 48.0	02 n46.8	05 n30.8	22 n23.1	12 s11.0	17 s20.0	14 s29.0	17 n32.5
29 dez	18 30 8.3	23 14.1	05 02.8	20 34.4	19 28.0	03 n02.4	05 n30.6	22 n23.5	12 s10.1	17 s19.5	14 s29.2	17 n31.5
30 dez	18 34 4.8	23 10.5	00 n37.5	20 26.3	19 07.6	03 n18.0	05 n30.4	22 n24.0	12 s09.3	17 s19.0	14 s29.3	17 n31.0
31 dez	18 38 1.4	23 06.4	06 n08.4	20 20.0	18 46.5	03 n33.7	05 n30.4	22 n24.5	12 s08.4	17 s18.4	14 s29.5	17 n30.9