

# EFEMÉRIDES CIENTÍFICA E SIMPLIFICADA - ROSACRUZ

## CALCULADA PARA O MEIO-DIA DE GREENWICH

**JANEIRO DE 2019**

### Longitude dos Astros

Tropical Ephemeris - terΨa-feira, 01 jan 2019 at noon, Greenwich SVP = 04x59.90 True Ayanamsa = 24d 07m 05s Julian Day = 2459485.0												
Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s											
01 jan	18 43 24.8	10v46.5	18m50.0	24v36.0	23m59.6	00v16.8	11v53.2	11v26.9	28v369	14x06.0	20v37.1	26v497
02 jan	18 47 21.4	11v47.7	01v35.5	26v04.3	24m59.0	00v57.1	12v05.7	11v33.9	28v367	14x07.2	20v39.1	26v476
03 jan	18 51 17.9	12v48.9	14v07.8	27v33.1	25m58.8	01v37.5	12v18.2	11v41.0	28v365	14x08.5	20v41.1	26v454
04 jan	18 55 14.5	13v50.1	26v28.4	29v02.3	26m59.0	02v17.9	12v30.7	11v48.1	28v364	14x09.8	20v43.1	26v436
05 jan	18 59 11.0	14v51.2	08v38.8	00v32.1	27m59.7	02v58.3	12v43.1	11v55.2	28v363	14x11.2	20v45.1	26v423
06 jan	19 3 7.6	15v52.4	20v40.4	02v02.3	29m00.8	03v38.7	12v55.4	12v02.3	28v362	14x12.6	20v47.2	26v416
07 jan	19 7 4.1	16v53.6	02v35.1	03v33.0	00v02.2	04v19.2	13v07.7	12v09.4	28v362	14x14.0	20v49.2	26v416
08 jan	19 11 0.7	17v54.8	14v24.8	05v04.2	01v04.1	04v59.7	13v19.9	12v16.5	28v363	14x15.4	20v51.2	26v42.0
09 jan	19 14 57.2	18v55.9	26v12.1	06v35.7	02v06.3	05v40.2	13v32.1	12v23.5	28v364	14x16.9	20v53.2	26v42.7
10 jan	19 18 53.8	19v57.1	07v59.9	08v07.7	03v08.9	06v20.8	13v44.2	12v30.6	28v366	14x18.4	20v55.3	26v43.4
11 jan	19 22 50.4	20v58.3	19v51.7	09v40.2	04v11.8	07v01.3	13v56.2	12v37.6	28v368	14x19.9	20v57.3	26v43.9
12 jan	19 26 46.9	21v59.4	01v51.5	11v13.1	05v15.0	07v41.9	14v08.2	12v44.7	28v371	14x21.4	20v59.3	26v44.2
13 jan	19 30 43.5	23v00.6	14v03.7	12v46.5	06v18.5	08v22.5	14v20.1	12v51.7	28v374	14x23.0	21v01.4	26v442
14 jan	19 34 40.0	24v01.7	26v32.7	14v20.3	07v22.4	09v03.1	14v32.0	12v58.7	28v378	14x24.6	21v03.4	26v439
15 jan	19 38 36.6	25v02.8	09v22.8	15v54.6	08v26.5	09v43.7	14v43.8	13v05.7	28v382	14x26.2	21v05.4	26v436
16 jan	19 42 33.1	26v03.9	22v37.7	17v29.3	09v30.9	10v24.3	14v55.5	13v12.7	28v387	14x27.9	21v07.4	26v434
17 jan	19 46 29.7	27v05.0	06v19.6	19v04.6	10v35.6	11v04.9	15v07.1	13v19.7	28v393	14x29.5	21v09.5	26v432
18 jan	19 50 26.2	28v06.1	20v28.9	20v40.4	11v40.8	11v45.6	15v18.6	13v26.6	28v398	14x31.2	21v11.5	26v43.3
19 jan	19 54 22.8	29v07.1	05v03.5	22v16.7	12v45.8	12v26.2	15v30.1	13v33.5	28v405	14x32.9	21v13.5	26v43.4
20 jan	19 58 19.4	00v08.2	19v58.6	23v53.5	13v51.3	13v06.8	15v41.5	13v40.4	28v412	14x34.7	21v15.5	26v43.6
21 jan	20 2 15.9	01v09.2	05v06.6	25v30.9	14v57.0	13v47.5	15v52.9	13v47.3	28v419	14x36.4	21v17.5	26v43.6
22 jan	20 6 12.5	02v10.3	20v18.3	27v08.9	16v03.0	14v28.1	16v04.1	13v54.2	28v427	14x38.2	21v19.5	26v434
23 jan	20 10 9.0	03v11.3	05m24.0	28v47.4	17v09.2	15v08.8	16v15.3	14v01.0	28v436	14x40.0	21v21.5	26v428
24 jan	20 14 5.6	04v12.3	20m15.3	00v26.6	18v15.6	15v49.4	16v26.4	14v07.9	28v445	14x41.8	21v23.5	26v420
25 jan	20 18 2.1	05v13.3	04v45.6	02v06.3	19v22.3	16v30.0	16v37.4	14v14.6	28v454	14x43.7	21v25.5	26v410
26 jan	20 21 58.7	06v14.3	18v51.2	03v46.7	20v29.1	17v10.7	16v48.3	14v21.4	28v464	14x45.6	21v27.5	26v400
27 jan	20 25 55.2	07v15.3	02m31.0	05v27.7	21v36.2	17v51.3	16v59.1	14v28.1	28v474	14x47.4	21v29.4	26v392
28 jan	20 29 51.8	08v16.3	15m46.0	07v09.4	22v43.4	18v32.0	17v09.9	14v34.9	28v485	14x49.4	21v31.4	26v388
29 jan	20 33 48.4	09v17.2	28m38.9	08v51.7	23v50.9	19v12.6	17v20.5	14v41.5	28v497	14x51.3	21v33.4	26v38.9
30 jan	20 37 44.9	10v18.2	11v12.7	10v34.7	24v58.5	19v53.2	17v31.1	14v48.2	28v50.9	14x53.2	21v35.3	26v39.6
31 jan	20 41 41.5	11v19.1	23v31.3	12v18.4	26v06.3	20v39.9	17v41.6	14v54.8	28v52.1	14x55.2	21v37.2	26v40.6

### Declinação dos Astros

Tropical Ephemeris - terΨa-feira, 01 jan 2019 at noon, Greenwich SVP = 04x59.90 True Ayanamsa = 24d 07m 05s Julian Day = 2459485.0												
Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s											
01 jan	18 43 24.8	22s60.0	12s43.0	23s16.0	15s25.8	00s09.1	21s35.3	22s27.8	10n29.0	07s09.1	21s57.5	20n47.3
02 jan	18 47 21.4	22s54.8	16s13.8	23s26.5	15s39.8	00n08.2	21s37.0	22s27.2	10n28.9	07s08.6	21s57.3	20n47.7
03 jan	18 51 17.9	22s49.2	18s56.3	23s36.0	15s53.6	00n25.4	21s38.7	22s26.7	10n28.9	07s08.0	21s57.1	20n48.2
04 jan	18 55 14.5	22s43.1	20s43.4	23s44.3	16s07.4	00n42.7	21s40.3	22s26.1	10n28.9	07s07.5	21s56.9	20n48.5
05 jan	18 59 11.0	22s36.6	21s30.8	23s51.4	16s21.1	00n60.0	21s41.9	22s25.6	10n28.9	07s07.0	21s56.7	20n48.8
06 jan	19 3 7.6	22s29.6	21s17.7	23s57.4	16s34.7	01n17.2	21s43.5	22s25.0	10n28.9	07s06.4	21s56.4	20n48.9
07 jan	19 7 4.1	22s22.1	20s06.5	24s02.1	16s48.2	01n34.5	21s45.1	22s24.4	10n28.9	07s05.9	21s56.2	20n48.9
08 jan	19 11 0.7	22s14.3	18s02.9	24s05.6	17s01.4	01n51.7	21s46.6	22s23.9	10n29.0	07s05.3	21s56.0	20n48.8
09 jan	19 14 57.2	22s06.0	15s14.3	24s07.9	17s14.6	02n08.9	21s48.1	22s23.3	10n29.0	07s04.7	21s55.8	20n48.7
10 jan	19 18 53.8	21s57.3	11s48.9	24s08.9	17s27.5	02n26.1	21s49.6	22s22.7	10n29.1	07s04.1	21s55.6	20n48.5
11 jan	19 22 50.4	21s48.1	07s54.9	24s08.5	17s40.2	02n43.2	21s51.1	22s22.1	10n29.3	07s03.5	21s55.3	20n48.4
12 jan	19 26 46.9	21s38.5	03s40.5	24s06.9	17s52.7	03n00.3	21s52.5	22s21.5	10n29.4	07s02.9	21s55.1	20n48.4
13 jan	19 30 43.5	21s28.5	00n46.5	24s03.9	18s04.9	03n17.4	21s53.9	22s20.9	10n29.5	07s02.3	21s54.9	20n48.4
14 jan	19 34 40.0	21s18.1	05n17.4	23s59.5	18s16.9	03n34.5	21s55.3	22s20.3	10n29.7	07s01.6	21s54.7	20n48.4
15 jan	19 38 36.6	21s07.3	09n42.3	23s53.8	18s28.6	03n51.5	21s56.6	22s19.7	10n29.9	07s01.0	21s54.5	20n48.5
16 jan	19 42 33.1	20s56.0	13n48.3	23s46.7	18s40.0	04n08.5	21s58.0	22s19.0	10n30.1	07s00.4	21s54.2	20n48.5
17 jan	19 46 29.7	20s44.4	17n19.7	23s38.2	18s51.1	04n25.5	21s59.3	22s18.4	10n30.3	06s59.7	21s54.0	20n48.6
18 jan	19 50 26.2	20s32.4	19n57.5	23s28.3	19s01.9	04n42.4	22s00.5	22s17.8	10n30.6	06s59.0	21s53.8	20n48.6
19 jan	19 54 22.8	20s19.9	21n22.5	23s16.9	19s12.3	04n59.3	22s01.8	22s17.1	10n30.8	06s58.4	21s53.6	20n48.5
20 jan	19 58 19.4	20s07.2	21n19.7	23s04.1	19s22.4	05n16.1	22s03.0	22s16.5	10n31.1	06s57.7	21s53.3	20n48.5
21 jan	20 2 15.9	19s54.0	19n44.1	22s49.9	19s32.2	05n32.9	22s04.2	22s15.9	10n31.4	06s57.0	21s53.1	20n48.5
22 jan	20 6 12.5	19s40.4	16n43.6	22s34.2	19s41.5	05n49.6	22s05.4	22s15.2	10n31.7	06s56.3	21s52.9	20n48.5
23 jan	20 10 9.0	19s26.5	12n36.5	22s17.1	19s50.5	06n06.3	22s06.6	22s14.6	10n32.0	06s55.6	21s52.7	20n48.7
24 jan	20 14 5.6	19s12.3	07n46.6	21s58.4	19s59.0	06n22.9	22s07.7	22s13.9	10n32.4	06s54.9	21s52.5	20n48.8
25 jan	20 18 2.1	18s57.6	02n37.1	21s38.3	20s07.2	06n39.5	22s08.8	22s13.2	10n32.7	06s54.1	21s52.2	20n49.0
26 jan	20 21 58.7	18s42.7	02s31.7	21s16.7	20s14.9	06n56.0	22s09.9	22s12.6	10n33.1	06s53.4	21s52.0	20n49.2
27 jan	20 25 55.2	18s27.4	07s23.6	20s53.6	20s22.1	07n12.4	22s11.0	22s11.9	10n33.5	06s52.7	21s51.8	20n49.4
28 jan	20 29 51.8	18s11.7	11s45.7	20s29.0	20s28.9	07n28.8	22s12.0	22s11.2	10n34.0	06s51.9	21s51.6	20n49.4
29 jan	20 33 48.4	17s55.7	15s28.0	20s02.9	20s35.3	07n45.2	22s13.0	22s10.6	10n34.4	06s51.2	21s51.4	20n49.4
30 jan	20 37 44.9	17s39.4	18s22.4	19s35.3	20s41.1	08n01.4	22s14.0	22s09.9	10n34.8	06s50.4	21s51.2	20n49.3
31 jan	20 41 41.5	17s22.8	20s22.5	19s06.1	20s46.5	08n17.6	22s15.0	22s09.2	10n35.3	06s49.6	21s50.9	20n49.1

# EFEMÉRIDES CIENTÍFICA E SIMPLIFICADA - ROSACRUZ

## CALCULADA PARA O MEIO-DIA DE GREENWICH

FEVEREIRO DE 2019

### Longitude dos Astros

Tropical Ephemeris - sexta-feira, 01 fev 2019 at noon, Greenwich SVP = 04x59.83 True Ayanamsa = 24d 07m 09s  
Julian Day = 2458516.0

Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Nod
	h m s	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
01 fev	20 45 38.0	12x20.1	05x38.0	14x02.7	27x14.3	21x14.5	17x51.9	15x01.4	28x53.4	14x57.2	21x39.2	26x41.8
02 fev	20 49 34.6	13x21.0	17x36.2	15x47.6	28x22.4	21x55.2	18x02.2	15x07.9	28x54.8	14x59.2	21x41.1	26x42.7
03 fev	20 53 31.1	14x21.9	29x28.6	17x33.2	29x30.6	22x35.8	18x12.4	15x14.5	28x56.2	15x01.2	21x43.0	26x43.1
04 fev	20 57 27.7	15x22.8	11x17.6	19x19.4	00x39.1	23x16.5	18x22.4	15x20.9	28x57.6	15x03.2	21x44.9	26x42.6
05 fev	21 1 24.2	16x23.6	23x05.5	21x06.1	01x47.6	23x57.1	18x32.4	15x27.4	28x59.1	15x05.3	21x46.8	26x41.1
06 fev	21 5 20.8	17x24.5	04x54.3	22x53.4	02x56.3	24x37.7	18x42.3	15x33.8	29x00.6	15x07.3	21x48.6	26x39.7
07 fev	21 9 17.4	18x25.3	16x46.0	24x41.1	04x05.2	25x18.4	18x52.0	15x40.1	29x02.2	15x09.4	21x50.5	26x35.7
08 fev	21 13 13.9	19x26.1	28x42.7	26x29.2	05x14.2	25x59.0	19x01.7	15x46.4	29x03.9	15x11.5	21x52.3	26x32.3
09 fev	21 17 10.5	20x26.9	10x46.9	28x17.6	06x23.2	26x39.6	19x11.2	15x52.7	29x05.5	15x13.6	21x54.2	26x29.2
10 fev	21 21 7.0	21x27.6	23x01.5	00x06.2	07x32.5	27x20.2	19x20.6	15x58.9	29x07.3	15x15.7	21x56.0	26x26.6
11 fev	21 25 3.6	22x28.3	05x29.9	01x54.8	08x41.8	28x00.8	19x29.9	16x05.1	29x09.0	15x17.8	21x57.8	26x25.1
12 fev	21 29 0.1	23x29.0	18x15.4	03x43.3	09x51.2	28x41.4	19x39.1	16x11.3	29x10.8	15x20.0	21x59.6	26x24.8
13 fev	21 32 56.7	24x29.7	01x21.6	05x31.5	11x00.8	29x22.0	19x48.2	16x17.4	29x12.7	15x22.1	22x01.4	26x25.4
14 fev	21 36 53.2	25x30.4	14x51.5	07x19.0	12x10.4	00x02.5	19x57.2	16x23.4	29x14.6	15x24.3	22x03.1	26x26.8
15 fev	21 40 49.8	26x31.0	28x47.1	09x05.8	13x20.2	00x43.1	20x06.0	16x29.4	29x16.5	15x26.5	22x04.9	26x28.3
16 fev	21 44 46.4	27x31.6	13x08.8	10x51.3	14x30.1	01x23.6	20x14.7	16x35.3	29x18.5	15x28.7	22x06.6	26x29.3
17 fev	21 48 42.9	28x32.1	27x54.3	12x35.3	15x40.0	02x04.1	20x23.3	16x41.2	29x20.5	15x30.9	22x08.3	26x29.3
18 fev	21 52 39.5	29x32.6	12x58.5	14x17.4	16x50.1	02x44.6	20x31.8	16x47.1	29x22.6	15x33.1	22x10.0	26x27.9
19 fev	21 56 36.0	00x33.1	28x13.3	15x57.1	18x00.2	03x25.1	20x40.1	16x52.8	29x24.7	15x35.3	22x11.7	26x24.8
20 fev	22 0 32.6	01x33.6	13x28.7	17x33.8	19x10.5	04x05.6	20x48.4	16x58.6	29x26.9	15x37.5	22x13.4	26x20.2
21 fev	22 4 29.1	02x34.1	28x34.2	19x07.1	20x20.8	04x46.0	20x56.4	17x04.3	29x29.1	15x39.7	22x15.0	26x14.5
22 fev	22 8 25.7	03x34.5	13x20.6	20x36.3	21x31.3	05x26.5	21x04.4	17x09.9	29x31.3	15x42.0	22x16.6	26x08.3
23 fev	22 12 22.2	04x34.9	27x41.2	22x00.9	22x41.8	06x06.9	21x12.2	17x15.4	29x33.6	15x44.2	22x18.2	26x02.5
24 fev	22 16 18.8	05x35.3	11x32.9	23x20.1	23x52.4	06x47.3	21x19.9	17x20.9	29x35.9	15x46.5	22x19.8	25x57.7
25 fev	22 20 15.4	06x35.6	24x55.3	24x33.4	25x03.1	07x27.7	21x27.5	17x26.4	29x38.2	15x48.7	22x21.4	25x54.3
26 fev	22 24 11.9	07x36.0	07x50.8	25x40.1	26x13.8	08x08.1	21x34.9	17x31.8	29x40.6	15x51.0	22x22.9	25x52.7
27 fev	22 28 8.5	08x36.3	20x23.2	26x39.6	27x24.7	08x48.4	21x42.2	17x37.1	29x43.0	15x53.2	22x24.4	25x52.6
28 fev	22 32 5.0	09x36.6	02x37.3	27x31.4	28x35.6	09x28.8	21x49.3	17x42.4	29x45.5	15x55.5	22x26.0	25x53.6

### Declinação dos Astros

Tropical Ephemeris - sexta-feira, 01 fev 2019 at noon, Greenwich SVP = 04x59.83 True Ayanamsa = 24d 07m 09s  
Julian Day = 2458516.0

Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Nod
	h m s	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
01 fev	20 45 38.0	17s05.9	21s24.4	18s35.5	20s51.4	08n33.8	22s15.9	22s08.5	10n35.8	06s48.8	21s50.7	20n48.9
02 fev	20 49 34.6	16s48.7	21s26.3	18s03.4	20s55.8	08n49.8	22s16.8	22s07.9	10n36.3	06s48.1	21s50.5	20n48.7
03 fev	20 53 31.1	16s31.2	20s29.9	17s29.7	20s59.7	09n05.8	22s17.7	22s07.2	10n36.8	06s47.3	21s50.3	20n48.6
04 fev	20 57 27.7	16s13.4	18s39.4	16s54.7	21s03.0	09n21.7	22s18.6	22s06.5	10n37.4	06s46.5	21s50.1	20n48.7
05 fev	21 1 24.2	15s55.3	16s01.5	16s18.1	21s05.9	09n37.6	22s19.5	22s05.8	10n37.9	06s45.7	21s49.9	20n49.0
06 fev	21 5 20.8	15s36.9	12s44.2	15s40.1	21s08.1	09n53.3	22s20.3	22s05.1	10n38.5	06s44.9	21s49.7	20n49.4
07 fev	21 9 17.4	15s18.3	08s56.1	15s00.8	21s09.9	10n09.0	22s21.1	22s04.4	10n39.1	06s44.1	21s49.5	20n50.0
08 fev	21 13 13.9	14s59.4	04s46.0	14s20.0	21s11.1	10n24.6	22s21.9	22s03.8	10n39.7	06s43.3	21s49.3	20n50.7
09 fev	21 17 10.5	14s40.3	00s22.6	13s38.0	21s11.7	10n40.1	22s22.7	22s03.1	10n40.3	06s42.4	21s49.1	20n51.3
10 fev	21 21 7.0	14s20.9	04n05.3	12s54.6	21s11.8	10n55.5	22s23.4	22s02.4	10n41.0	06s41.6	21s48.9	20n51.7
11 fev	21 25 3.6	14s01.3	08n28.1	12s10.1	21s11.3	11n10.8	22s24.2	22s01.7	10n41.6	06s40.8	21s48.7	20n52.0
12 fev	21 29 0.1	13s41.4	12n35.0	11s24.5	21s10.3	11n26.1	22s24.9	22s01.0	10n42.3	06s40.0	21s48.5	20n52.1
13 fev	21 32 56.7	13s21.3	16n13.1	10s37.9	21s08.7	11n41.2	22s25.5	22s00.3	10n43.0	06s39.1	21s48.3	20n52.0
14 fev	21 36 53.2	13s01.0	19n07.0	09s50.5	21s06.5	11n56.3	22s26.2	21s59.6	10n43.7	06s38.3	21s48.1	20n51.7
15 fev	21 40 49.8	12s40.5	20n59.6	09s02.2	21s03.8	12n11.2	22s26.9	21s59.0	10n44.4	06s37.4	21s47.9	20n51.4
16 fev	21 44 46.4	12s19.8	21n35.0	08s13.4	21s00.4	12n26.1	22s27.5	21s58.3	10n45.1	06s36.6	21s47.7	20n51.2
17 fev	21 48 42.9	11s58.9	20n42.3	07s24.3	20s56.5	12n40.8	22s28.1	21s57.6	10n45.9	06s35.7	21s47.5	20n51.2
18 fev	21 52 39.5	11s37.8	18n20.5	06s34.9	20s52.0	12n55.5	22s28.7	21s56.9	10n46.6	06s34.9	21s47.4	20n51.5
19 fev	21 56 36.0	11s16.6	14n40.0	05s45.0	20s46.9	13n10.0	22s29.3	21s56.2	10n47.4	06s34.0	21s47.2	20n51.1
20 fev	22 0 32.6	10s55.1	10n00.7	04s56.7	20s41.3	13n24.5	22s29.8	21s55.6	10n48.2	06s33.2	21s47.0	20n53.0
21 fev	22 4 29.1	10s33.5	04n47.2	04s08.5	20s35.1	13n38.8	22s30.4	21s54.9	10n49.0	06s32.3	21s46.8	20n54.0
22 fev	22 8 25.7	10s11.7	00s36.2	03s21.2	20s28.3	13n53.0	22s30.9	21s54.2	10n49.8	06s31.4	21s46.7	20n55.2
23 fev	22 12 22.2	09s49.8	05s48.3	02s35.1	20s20.9	14n07.1	22s31.4	21s53.6	10n50.6	06s30.6	21s46.5	20n56.3
24 fev	22 16 18.8	09s27.7	10s32.1	01s50.8	20s12.9	14n21.1	22s31.9	21s52.9	10n51.4	06s29.7	21s46.3	20n57.2
25 fev	22 20 15.4	09s05.4	14s35.0	01s08.5	20s04.4	14n34.9	22s32.4	21s52.3	10n52.3	06s28.8	21s46.2	20n57.8
26 fev	22 24 11.9	08s43.1	17s47.7	00s28.6	19s55.3	14n48.7	22s32.8	21s51.6	10n53.2	06s27.9	21s46.0	20n58.1
27 fev	22 28 8.5	08s20.6	20s04.2	00n08.6	19s45.6	15n02.3	22s33.3	21s51.0	10n54.0	06s27.1	21s45.9	20n58.1
28 fev	22 32 5.0	07s57.9	21s20.9	00n42.6	19s35.4	15n15.8	22s33.7	21s50.3	10n54.9	06s26.2	21s45.7	20n57.9



# EFEMÉRIDES CIENTÍFICA E SIMPLIFICADA - ROSACRUZ

## CALCULADA PARA O MEIO-DIA DE GREENWICH

MARÇO DE 2019

### Longitude dos Astros

Tropical Ephemeris - sexta-feira, 01 mar 2019 at noon, Greenwich SVP = 04x59.78 True Ayanamsa = 24d 07m 12s  
Julian Day = 2458544.0

Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	°	°	°	°	°	°	°	°	°	°	°
01 mar	22 36 1.6	10x36.8	14x38.0	28x14.9	29x46.6	10 8 09.1	21x56.3	17x47.6	29x48.0	15x57.8	22x27.4	25x54.8
02 mar	22 39 58.1	11x37.1	26x30.0	28x49.6	00x57.6	10 8 49.4	22x03.1	17x52.7	29x50.5	16x00.0	22x28.9	25x55.5
03 mar	22 43 54.7	12x37.3	08x17.5	29x15.3	02x08.7	11 8 29.7	22x09.8	17x57.8	29x53.0	16x02.3	22x30.3	25x54.9
04 mar	22 47 51.2	13x37.4	20x04.1	29x31.8	03x19.9	12 8 10.0	22x16.4	18x02.8	29x55.6	16x04.6	22x31.8	25x52.3
05 mar	22 51 47.8	14x37.6	01x52.7	29x38.9	04x31.1	12 8 50.3	22x22.8	18x07.7	29x58.3	16x06.9	22x33.2	25x47.5
06 mar	22 55 44.3	15x37.7	13x45.7	29x36.7	05x42.4	13 8 30.5	22x29.0	18x12.6	00 8 00.9	16x09.2	22x34.5	25x40.7
07 mar	22 59 40.9	16x37.8	25x44.7	29x25.4	06x53.7	14 8 10.8	22x35.1	18x17.4	00 8 03.6	16x11.4	22x35.9	25x32.4
08 mar	23 3 37.5	17x37.9	07x51.0	29x05.3	08x05.1	14 8 51.0	22x41.0	18x22.1	00 8 06.4	16x13.7	22x37.2	25x23.5
09 mar	23 7 34.0	18x37.9	20x05.9	28x37.0	09x16.6	15 8 31.2	22x46.8	18x26.7	00 8 09.1	16x16.0	22x38.5	25x14.9
10 mar	23 11 30.6	19x37.9	02 8 30.7	28x01.4	10x28.1	16 8 11.4	22x52.4	18x31.3	00 8 11.9	16x18.3	22x39.8	25x07.6
11 mar	23 15 27.1	20x37.8	15 8 06.9	27x19.1	11x39.6	16 8 51.6	22x57.9	18x35.8	00 8 14.7	16x20.6	22x41.0	25x02.2
12 mar	23 19 23.7	21x37.8	27 8 56.5	26x31.3	12x51.2	17 8 31.7	23x03.2	18x40.2	00 8 17.6	16x22.8	22x42.3	24x58.9
13 mar	23 23 20.2	22x37.6	11 8 01.8	25x39.2	14x02.8	18 8 11.8	23x08.3	18x44.6	00 8 20.4	16x25.1	22x43.5	24x57.7
14 mar	23 27 16.8	23x37.5	24 8 25.2	24x44.0	15x14.5	18 8 51.9	23x13.3	18x48.9	00 8 23.3	16x27.4	22x44.7	24x57.9
15 mar	23 31 13.3	24x37.3	08 8 08.9	23x47.0	16x26.2	19 8 32.0	23x18.1	18x53.1	00 8 26.3	16x29.6	22x45.8	24x58.6
16 mar	23 35 9.9	25x37.1	22 8 14.4	22x49.5	17x37.9	20 8 12.1	23x22.7	18x57.2	00 8 29.2	16x31.9	22x47.0	24x58.7
17 mar	23 39 6.5	26x36.8	06 8 41.5	21x52.7	18x49.7	20 8 52.1	23x27.2	19x01.2	00 8 32.2	16x34.1	22x48.1	24x57.4
18 mar	23 43 3.0	27x36.5	21 8 27.6	20x57.8	20x01.5	21 8 32.1	23x31.5	19x05.2	00 8 35.2	16x36.4	22x49.1	24x53.8
19 mar	23 46 59.6	28x36.2	06 8 27.4	20x05.8	21x13.4	22 8 12.1	23x35.7	19x09.1	00 8 38.2	16x38.6	22x50.2	24x47.7
20 mar	23 50 56.1	29x35.8	21 8 32.8	19x17.6	22x25.3	22 8 52.1	23x39.6	19x12.9	00 8 41.3	16x40.9	22x51.2	24x39.1
21 mar	23 54 52.7	00x35.4	06 8 34.1	18x33.9	23x37.3	23 8 32.0	23x43.4	19x16.6	00 8 44.4	16x43.1	22x52.2	24x28.8
22 mar	23 58 49.2	01x34.9	21 8 21.7	17x55.4	24x49.2	24 8 12.0	23x47.0	19x20.3	00 8 47.4	16x45.3	22x53.2	24x17.6
23 mar	0 2 45.8	02x34.5	05 8 47.6	17x22.3	26x01.2	24 8 51.9	23x50.5	19x23.8	00 8 50.6	16x47.5	22x54.1	24x06.8
24 mar	0 6 42.3	03x34.0	19 8 46.3	16x55.1	27x13.3	25 8 31.7	23x53.7	19x27.3	00 8 53.7	16x49.7	22x55.0	23x57.3
25 mar	0 10 38.9	04x33.4	03 8 15.9	16x33.9	28x25.4	26 8 11.6	23x56.8	19x30.7	00 8 56.9	16x51.9	22x55.9	23x50.0
26 mar	0 14 35.5	05x32.9	16 8 17.3	16x18.6	29x37.5	26 8 51.4	23x59.7	19x34.0	01 8 00.0	16x54.1	22x56.8	23x45.2
27 mar	0 18 32.0	06x32.3	28 8 53.8	16x04.0	00x49.7	27 8 31.2	24x02.5	19x37.2	01 8 03.2	16x56.3	22x57.6	23x42.8
28 mar	0 22 28.6	07x31.6	11 8 09.8	16x06.0	02 8 01.9	28 8 11.0	24x05.0	19x40.4	01 8 06.5	16x58.5	22x58.4	23x42.2
29 mar	0 26 25.1	08x31.0	23 8 10.9	16x08.4	03 8 14.1	28 8 50.8	24x07.4	19x43.4	01 8 09.7	17x00.6	22x59.2	23x42.3
30 mar	0 30 21.7	09x30.3	05x02.3	16x16.4	04x26.3	29 8 30.6	24x09.6	19x46.4	01 8 12.9	17x02.8	22x60.0	23x42.1
31 mar	0 34 18.2	10x29.6	16x49.5	16x29.6	05x38.6	00 8 10.3	24x11.6	19x49.2	01 8 16.2	17x04.9	23x00.7	23x40.3

### Declinação dos Astros

Tropical Ephemeris - sexta-feira, 01 mar 2019 at noon, Greenwich SVP = 04x59.78 True Ayanamsa = 24d 07m 12s  
Julian Day = 2458544.0

Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	°	°	°	°	°	°	°	°	°	°	°
01 mar	22 36 1.6	07s35.2	21s36.8	01n13.1	19s24.6	15n29.2	22s34.1	21s49.7	10n55.8	06s25.3	21s45.6	20n57.7
02 mar	22 39 58.1	07s12.3	20s53.5	01n39.7	19s13.2	15n42.5	22s34.5	21s49.0	10n56.7	06s24.4	21s45.4	20n57.6
03 mar	22 43 54.7	06s49.4	19s15.0	02n02.3	19s01.4	15n55.6	22s34.9	21s48.4	10n57.7	06s23.6	21s45.3	20n57.7
04 mar	22 47 51.2	06s26.3	16s47.2	02n20.5	18s48.9	16n08.6	22s35.2	21s47.8	10n58.6	06s22.7	21s45.1	20n58.2
05 mar	22 51 47.8	06s03.2	13s37.3	02n34.1	18s35.9	16n21.5	22s35.6	21s47.2	10n59.5	06s21.8	21s45.0	20n59.1
06 mar	22 55 44.3	05s39.9	09s53.8	02n42.9	18s22.4	16n34.2	22s35.9	21s46.6	11n00.5	06s20.9	21s44.9	21n00.3
07 mar	22 59 40.9	05s16.6	05s45.4	02n46.9	18s08.4	16n46.8	22s36.3	21s46.0	11n01.5	06s20.1	21s44.7	21n01.9
08 mar	23 3 37.5	04s53.2	01s21.2	02n46.1	17s53.9	16n59.3	22s36.6	21s45.4	11n02.4	06s19.2	21s44.6	21n03.5
09 mar	23 7 34.0	04s29.8	03n09.1	02n40.5	17s38.8	17n11.6	22s36.9	21s44.8	11n03.4	06s18.3	21s44.5	21n05.0
10 mar	23 11 30.6	04s06.3	07n35.5	02n30.2	17s23.3	17n23.8	22s37.2	21s44.2	11n04.4	06s17.4	21s44.4	21n06.4
11 mar	23 15 27.1	03s42.8	11n47.1	02n15.7	17s07.2	17n35.9	22s37.4	21s43.6	11n05.4	06s16.5	21s44.3	21n07.4
12 mar	23 19 23.7	03s19.2	15n31.5	01n57.1	16s50.7	17n47.8	22s37.7	21s43.0	11n06.4	06s15.7	21s44.2	21n07.9
13 mar	23 23 20.2	02s55.5	18n35.3	01n34.9	16s33.7	17n59.5	22s37.9	21s42.5	11n07.5	06s14.8	21s44.1	21n08.2
14 mar	23 27 16.8	02s31.9	20n43.8	01n09.8	16s16.2	18n11.2	22s38.2	21s41.9	11n08.5	06s13.9	21s44.0	21n08.1
15 mar	23 31 13.3	02s08.2	21n43.1	00n42.1	15s58.2	18n22.6	22s38.4	21s41.4	11n09.6	06s13.1	21s43.9	21n08.0
16 mar	23 35 9.9	01s44.5	21n22.2	00n12.6	15s39.8	18n34.0	22s38.6	21s40.9	11n10.6	06s12.2	21s43.8	21n08.0
17 mar	23 39 6.5	01s20.8	19n36.7	00s18.1	15s21.0	18n45.1	22s38.8	21s40.3	11n11.7	06s11.3	21s43.7	21n08.2
18 mar	23 43 3.0	00s57.1	16n30.6	00s49.5	15s01.7	18n56.1	22s39.0	21s39.8	11n12.7	06s10.5	21s43.6	21n08.9
19 mar	23 46 59.6	00s33.3	12n16.8	01s20.8	14s42.0	19n07.0	22s39.2	21s39.3	11n13.8	06s09.6	21s43.5	21n10.0
20 mar	23 50 56.1	00s09.6	07n15.0	01s51.6	14s21.9	19n17.7	22s39.4	21s38.8	11n14.9	06s08.8	21s43.5	21n11.5
21 mar	23 54 52.7	00n14.1	01n48.6	02s21.5	14s01.3	19n28.3	22s39.5	21s38.3	11n16.0	06s07.9	21s43.4	21n13.3
22 mar	23 58 49.2	00n37.8	03s39.0	02s49.9	13s40.4	19n38.6	22s39.7	21s37.8	11n17.1	06s07.1	21s43.3	21n15.3
23 mar	0 2 45.8	01n01.4	08s46.8	03s16.6	13s19.1	19n48.9	22s39.8	21s37.4	11n18.2	06s06.2	21s43.3	21n17.2
24 mar	0 6 42.3	01n25.1	13s17.4	03s41.3	12s57.4	19n58.9	22s40.0	21s36.9	11n19.3	06s05.4	21s43.2	21n18.8
25 mar	0 10 38.9	01n48.7	16s57.8	04s03.7	12s35.4	20n08.8	22s40.1	21s36.5	11n20.4	06s04.5	21s43.2	21n20.1
26 mar	0 14 35.5	02n12.2	19s39.5	04s23.8	12s12.9	20n18.6	22s40.2	21s36.0	11n21.5	06s03.7	21s43.1	21n20.9
27 mar	0 18 32.0	02n35.7	21s17.8	04s41.4	11s50.2	20n28.1	22s40.3	21s35.6	11n22.7	06s02.9	21s43.1	21n21.3
28 mar	0 22 28.6	02n59.2	21s51.8	04s56.6	11s27.1	20n37.6	22s40.4	21s35.2	11n23.8	06s02.0	21s43.0	21n21.4
29 mar	0 26 25.1	03n22.6	21s23.8	05s09.1	11s03.7	20n46.8	22s40.5	21s34.8	11n24.9	06s01.2	21s43.0	21n21.4
30 mar	0 30 21.7	03n46.0	19s58.1	05s19.2	10s39.9	20n55.9	22s40.6	21s34.4	11n26.1	06s00.4	21s43.0	21n21.5
31 mar	0 34 18.2	04n09.2	17s41.1	05s26.7	10s15.9	21n04.8	22s40.6	21s34.0	11n27.2	05s59.6	21s42.9	21n21.8

# EFEMÉRIDES CIENTÍFICA E SIMPLIFICADA - ROSACRUZ

## CALCULADA PARA O MEIO-DIA DE GREENWICH

ABRIL DE 2019

### Longitude dos Astros

Tropical Ephemeris - segunda-feira, 01 abr 2019 at noon, Greenwich SVP = 04x59.72 True Ayanamsa = 24d 07m 16s  
Julian Day = 2458575.0

Long.	Sidereal Time			Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h	m	s	°	°	°	°	°	°	°	°	°	°	
01 abr	0	38	14.8	11 $\gamma$ 28.8	28 $\approx$ 36.9	16 $\times$ 47.9	06 $\times$ 50.9	00 $\pi$ 50.0	24 $\angle$ 13.4	19 $\nu$ 52.0	01 $\delta$ 19.5	17 $\times$ 07.0	23 $\nu$ 01.4	23 $\textcircled{S}$ 362
02 abr	0	42	11.3	12 $\gamma$ 28.1	10 $\times$ 28.6	17 $\times$ 11.1	08 $\times$ 03.2	01 $\pi$ 29.7	24 $\angle$ 15.0	19 $\nu$ 54.7	01 $\delta$ 22.8	17 $\times$ 09.1	23 $\nu$ 02.0	23 $\textcircled{S}$ 294
03 abr	0	46	7.9	13 $\gamma$ 27.3	22 $\times$ 27.6	17 $\times$ 39.0	09 $\times$ 15.6	02 $\pi$ 09.4	24 $\angle$ 16.5	19 $\nu$ 57.3	01 $\delta$ 26.1	17 $\times$ 11.2	23 $\nu$ 02.7	23 $\textcircled{S}$ 199
04 abr	0	50	4.5	14 $\gamma$ 26.4	04 $\pi$ 35.9	18 $\times$ 11.1	10 $\times$ 28.0	02 $\pi$ 49.0	24 $\angle$ 17.7	19 $\nu$ 59.8	01 $\delta$ 29.4	17 $\times$ 13.3	23 $\nu$ 03.3	23 $\textcircled{S}$ 084
05 abr	0	54	1.0	15 $\gamma$ 25.6	16 $\gamma$ 54.9	18 $\times$ 47.5	11 $\times$ 40.4	03 $\pi$ 28.7	24 $\angle$ 18.8	20 $\nu$ 02.2	01 $\delta$ 32.8	17 $\times$ 15.4	23 $\nu$ 03.9	22 $\textcircled{S}$ 560
06 abr	0	57	57.6	16 $\gamma$ 24.7	29 $\gamma$ 24.9	19 $\times$ 27.7	12 $\times$ 52.8	04 $\pi$ 08.3	24 $\angle$ 19.7	20 $\nu$ 04.5	01 $\delta$ 36.1	17 $\times$ 17.4	23 $\nu$ 04.4	22 $\textcircled{S}$ 437
07 abr	1	1	54.1	17 $\gamma$ 23.7	12 $\delta$ 06.3	20 $\times$ 11.7	14 $\times$ 05.2	04 $\pi$ 47.9	24 $\angle$ 20.4	20 $\nu$ 06.7	01 $\delta$ 39.5	17 $\times$ 19.5	23 $\nu$ 04.9	22 $\textcircled{S}$ 329
08 abr	1	5	50.7	18 $\gamma$ 22.7	24 $\delta$ 58.8	20 $\times$ 59.2	15 $\times$ 17.7	05 $\pi$ 27.4	24 $\angle$ 20.9	20 $\nu$ 08.9	01 $\delta$ 42.8	17 $\times$ 21.5	23 $\nu$ 05.4	22 $\textcircled{S}$ 244
09 abr	1	9	47.2	19 $\gamma$ 21.7	08 $\pi$ 02.7	21 $\times$ 50.0	16 $\times$ 30.1	06 $\pi$ 07.0	24 $\angle$ 21.2	20 $\nu$ 10.9	01 $\delta$ 46.2	17 $\times$ 23.5	23 $\nu$ 05.9	22 $\textcircled{S}$ 186
10 abr	1	13	43.8	20 $\gamma$ 20.7	21 $\pi$ 18.4	22 $\times$ 44.0	17 $\times$ 42.6	06 $\pi$ 46.5	24 $\angle$ 21.3	20 $\nu$ 12.9	01 $\delta$ 49.6	17 $\times$ 25.5	23 $\nu$ 06.3	22 $\textcircled{S}$ 154
11 abr	1	17	40.3	21 $\gamma$ 19.6	04 $\textcircled{S}$ 46.8	23 $\times$ 41.0	18 $\times$ 55.1	07 $\pi$ 26.0	24 $\angle$ 21.2	20 $\nu$ 14.7	01 $\delta$ 53.0	17 $\times$ 27.5	23 $\nu$ 06.7	22 $\textcircled{S}$ 142
12 abr	1	21	36.9	22 $\gamma$ 18.5	18 $\textcircled{S}$ 29.0	24 $\times$ 40.9	20 $\times$ 07.6	08 $\pi$ 05.5	24 $\angle$ 21.0	20 $\nu$ 16.4	01 $\delta$ 56.4	17 $\times$ 29.4	23 $\nu$ 07.1	22 $\textcircled{S}$ 141
13 abr	1	25	33.5	23 $\gamma$ 17.3	02 $\pi$ 25.9	25 $\times$ 43.5	21 $\times$ 20.1	08 $\pi$ 45.0	24 $\angle$ 20.6	20 $\nu$ 18.1	01 $\delta$ 59.8	17 $\times$ 31.4	23 $\nu$ 07.4	22 $\textcircled{S}$ 138
14 abr	1	29	30.0	24 $\gamma$ 16.1	16 $\delta$ 37.9	26 $\times$ 48.7	22 $\times$ 32.7	09 $\pi$ 24.4	24 $\angle$ 19.9	20 $\nu$ 19.7	02 $\delta$ 03.3	17 $\times$ 33.3	23 $\nu$ 07.7	22 $\textcircled{S}$ 121
15 abr	1	33	26.6	25 $\gamma$ 14.8	01 $\pi$ 03.8	27 $\times$ 56.4	23 $\times$ 45.2	10 $\pi$ 03.8	24 $\angle$ 19.1	20 $\nu$ 21.1	02 $\delta$ 06.7	17 $\times$ 35.2	23 $\nu$ 08.0	22 $\textcircled{S}$ 081
16 abr	1	37	23.1	26 $\gamma$ 13.6	15 $\pi$ 40.6	29 $\times$ 06.5	24 $\times$ 57.8	10 $\pi$ 43.2	24 $\angle$ 18.1	20 $\nu$ 22.5	02 $\delta$ 10.1	17 $\times$ 37.1	23 $\nu$ 08.3	22 $\textcircled{S}$ 014
17 abr	1	41	19.7	27 $\gamma$ 12.2	00 $\textcircled{S}$ 22.8	00 $\pi$ 18.9	26 $\times$ 10.4	11 $\pi$ 22.5	24 $\angle$ 17.0	20 $\nu$ 23.8	02 $\delta$ 13.5	17 $\times$ 38.9	23 $\nu$ 08.5	21 $\textcircled{S}$ 520
18 abr	1	45	16.2	28 $\gamma$ 10.9	15 $\textcircled{S}$ 03.7	01 $\pi$ 33.6	27 $\times$ 22.9	12 $\pi$ 01.9	24 $\angle$ 15.6	20 $\nu$ 24.9	02 $\delta$ 17.0	17 $\times$ 40.8	23 $\nu$ 08.7	21 $\textcircled{S}$ 405
19 abr	1	49	12.8	29 $\gamma$ 09.5	29 $\textcircled{S}$ 35.3	02 $\pi$ 50.4	28 $\times$ 35.6	12 $\pi$ 41.2	24 $\angle$ 14.0	20 $\nu$ 26.0	02 $\delta$ 20.4	17 $\times$ 42.6	23 $\nu$ 08.8	21 $\textcircled{S}$ 279
20 abr	1	53	9.3	00 $\delta$ 08.1	13 $\pi$ 50.5	04 $\pi$ 09.3	29 $\times$ 48.2	13 $\pi$ 20.5	24 $\angle$ 12.3	20 $\nu$ 27.0	02 $\delta$ 23.9	17 $\times$ 44.4	23 $\nu$ 09.0	21 $\textcircled{S}$ 155
21 abr	1	57	5.9	01 $\delta$ 06.6	27 $\pi$ 43.6	05 $\pi$ 30.3	01 $\pi$ 00.8	13 $\pi$ 59.7	24 $\angle$ 10.4	20 $\nu$ 27.9	02 $\delta$ 27.3	17 $\times$ 46.2	23 $\nu$ 09.1	21 $\textcircled{S}$ 044
22 abr	2	1	2.5	02 $\delta$ 05.2	11 $\angle$ 11.7	06 $\pi$ 53.3	02 $\pi$ 13.5	14 $\pi$ 39.0	24 $\angle$ 08.3	20 $\nu$ 28.7	02 $\delta$ 30.8	17 $\times$ 47.9	23 $\nu$ 09.2	20 $\textcircled{S}$ 556
23 abr	2	4	59.0	03 $\delta$ 03.7	24 $\angle$ 14.3	08 $\pi$ 18.2	03 $\pi$ 26.1	15 $\pi$ 18.2	24 $\angle$ 06.0	20 $\nu$ 29.3	02 $\delta$ 34.2	17 $\times$ 49.7	23 $\nu$ 09.2	20 $\textcircled{S}$ 495
24 abr	2	8	55.6	04 $\delta$ 02.1	06 $\nu$ 53.3	09 $\pi$ 45.1	04 $\pi$ 38.8	15 $\pi$ 57.4	24 $\angle$ 03.5	20 $\nu$ 29.9	02 $\delta$ 37.7	17 $\times$ 51.4	23 $\nu$ 09.2	20 $\textcircled{S}$ 461
25 abr	2	12	52.1	05 $\delta$ 00.6	19 $\nu$ 12.2	11 $\pi$ 13.9	05 $\pi$ 51.5	16 $\pi$ 36.6	24 $\angle$ 00.9	20 $\nu$ 30.4	02 $\delta$ 41.1	17 $\times$ 53.1	23 $\nu$ 09.2	20 $\textcircled{S}$ 449
26 abr	2	16	48.7	05 $\delta$ 59.0	01 $\textcircled{S}$ 15.9	12 $\pi$ 44.5	07 $\pi$ 04.2	17 $\pi$ 15.8	23 $\angle$ 59.1	20 $\nu$ 30.8	02 $\delta$ 44.5	17 $\times$ 54.8	23 $\nu$ 09.2	20 $\textcircled{S}$ 448
27 abr	2	20	45.2	06 $\delta$ 57.4	13 $\textcircled{S}$ 09.6	14 $\pi$ 17.0	08 $\pi$ 17.0	17 $\pi$ 54.9	23 $\angle$ 55.1	20 $\nu$ 31.1	02 $\delta$ 48.0	17 $\times$ 56.4	23 $\nu$ 09.1	20 $\textcircled{S}$ 448
28 abr	2	24	41.8	07 $\delta$ 55.7	24 $\textcircled{S}$ 58.7	15 $\pi$ 51.3	09 $\pi$ 29.7	18 $\pi$ 34.0	23 $\angle$ 51.9	20 $\nu$ 31.3	02 $\delta$ 51.4	17 $\times$ 58.0	23 $\nu$ 09.0	20 $\textcircled{S}$ 437
29 abr	2	28	38.3	08 $\delta$ 54.1	06 $\times$ 48.6	17 $\pi$ 27.4	10 $\pi$ 42.5	19 $\pi$ 13.1	23 $\angle$ 48.5	20 $\nu$ 31.4	02 $\delta$ 54.9	17 $\times$ 59.7	23 $\nu$ 08.9	20 $\textcircled{S}$ 405
30 abr	2	32	34.9	09 $\delta$ 52.4	18 $\times$ 43.9	19 $\pi$ 05.4	11 $\pi$ 55.2	19 $\pi$ 52.2	23 $\angle$ 45.0	20 $\nu$ 31.4	02 $\delta$ 58.3	18 $\times$ 01.2	23 $\nu$ 08.7	20 $\textcircled{S}$ 347

### Declinação dos Astros

Tropical Ephemeris - segunda-feira, 01 abr 2019 at noon, Greenwich SVP = 04x59.72 True Ayanamsa = 24d 07m 16s  
Julian Day = 2458575.0

Decl.	Sidereal Time			Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h	m	s	°	°	°	°	°	°	°	°	°	°	
01 abr	0	38	14.8	04 $\pi$ 32.4	14 $\delta$ 39.9	05 $\delta$ 31.8	09 $\delta$ 51.6	21 $\pi$ 13.5	22 $\delta$ 40.7	21 $\delta$ 33.7	11 $\pi$ 28.4	05 $\delta$ 58.8	21 $\delta$ 42.9	21 $\pi$ 22.5
02 abr	0	42	11.3	04 $\pi$ 55.6	11 $\delta$ 02.4	05 $\delta$ 34.5	09 $\delta$ 27.0	21 $\pi$ 22.0	22 $\delta$ 40.8	21 $\delta$ 33.3	11 $\pi$ 29.5	05 $\delta$ 58.0	21 $\delta$ 42.9	21 $\pi$ 23.6
03 abr	0	46	7.9	05 $\pi$ 18.6	06 $\delta$ 56.8	05 $\delta$ 34.9	09 $\delta$ 02.1	21 $\pi$ 30.4	22 $\delta$ 40.8	21 $\delta$ 33.0	11 $\pi$ 30.7	05 $\delta$ 57.2	21 $\delta$ 42.9	21 $\pi$ 25.2
04 abr	0	50	4.5	05 $\pi$ 41.5	02 $\delta$ 31.8	05 $\delta$ 32.9	09 $\delta$ 36.9	21 $\pi$ 38.6	22 $\delta$ 40.9	21 $\delta$ 32.6	11 $\pi$ 31.8	05 $\delta$ 56.4	21 $\delta$ 42.9	21 $\pi$ 27.2
05 abr	0	54	1.0	06 $\pi$ 04.4	02 $\pi$ 02.9	05 $\delta$ 28.8	08 $\delta$ 11.5	21 $\pi$ 46.7	22 $\delta$ 40.9	21 $\delta$ 32.3	11 $\pi$ 33.0	05 $\delta$ 55.6	21 $\delta$ 42.9	21 $\pi$ 29.3
06 abr	0	57	57.6	06 $\pi$ 27.1	06 $\pi$ 36.8	05 $\delta$ 22.6	07 $\delta$ 45.9	21 $\pi$ 54.5	22 $\delta$ 40.9	21 $\delta$ 32.0	11 $\pi$ 34.2	05 $\delta$ 54.8	21 $\delta$ 42.9	21 $\pi$ 31.3
07 abr	1	1	54.1	06 $\pi$ 49.7	10 $\pi$ 58.4	05 $\delta$ 14.3	07 $\delta$ 20.1	22 $\pi$ 02.2	22 $\delta$ 40.9	21 $\delta$ 31.7	11 $\pi$ 35.4	05 $\delta$ 54.0	21 $\delta$ 42.9	21 $\pi$ 33.1
08 abr	1	5	50.7	07 $\pi$ 12.2	14 $\pi$ 54.6	05 $\delta$ 04.0	06 $\delta$ 54.0	22 $\pi$ 09.7	22 $\delta$ 41.0	21 $\delta$ 31.4	11 $\pi$ 36.5	05 $\delta$ 53.3	21 $\delta$ 42.9	21 $\pi$ 34.5
09 abr	1	9	47.2	07 $\pi$ 34.6	18 $\pi$ 11.5	04 $\delta$ 51.8	06 $\delta$ 27.7	22 $\pi$ 17.0	22 $\delta$ 41.0	21 $\delta$ 31.2	11 $\pi$ 37.7	05 $\delta$ 52.5	21 $\delta$ 43.0	21 $\pi$ 35.4
10 abr	1	13	43.8	07 $\pi$ 56.9	20 $\pi$ 34.7	04 $\delta$ 37.7	06 $\delta$ 01.3	22 $\pi$ 24.1	22 $\delta$ 41.0	21 $\delta$ 30.9	11 $\pi$ 38.9	05 $\delta$ 51.8	21 $\delta$ 43.0	21 $\pi$ 35.9
11 abr	1	17	40.3	08 $\pi$ 19.0	21 $\pi$ 51.2	04 $\delta$ 21.9	05 $\delta$ 34.6	22 $\pi$ 31.1	22 $\delta$ 41.0	21 $\delta$ 30.7	11 $\pi$ 40.1	05 $\delta$ 51.0	21 $\delta$ 43.0	21 $\pi$ 36.1
12 abr	1	21	36.9	08 $\pi$ 41.0	21 $\pi$ 51.1	04 $\delta$ 04.4	05 $\delta$ 07.8	22 $\pi$ 37.8	22 $\delta$ 40.9	21 $\delta$ 30.5	11 $\pi$ 41.3	05 $\delta$ 50.3	21 $\delta$ 43.1	21 $\pi$ 36.1
13 abr	1	25	33.5	09 $\pi$ 02.8	20 $\pi$ 30.2	03 $\delta$ 45.2	04 $\delta$ 40.8	22 $\pi$ 44.4	22 $\delta$ 40.9	21 $\delta$ 30.3	11 $\pi$ 42.5	05 $\delta$ 49.6	21 $\delta$ 43.1	21 $\pi$ 36.2
14 abr	1	29	30.0	09 $\pi$ 24.5	17 $\pi$ 51.2	03 $\delta$ 24.3	04 $\delta$ 13.7	22 $\pi$ 50.8	22 $\delta$ 40.9	21 $\delta$ 30.1	11 $\pi$ 43.6	05 $\delta$ 48.8	21 $\delta$ 43.2	21 $\pi$ 36.5
15 abr	1	33	26.6	09 $\pi$ 46.0	14 $\pi$ 03.7	03 $\delta$ 02.0	03 $\delta$ 46.4	22 $\pi$ 57.0	22 $\delta$ 40.9	21 $\delta$ 29.9	11 $\pi$ 44.8	05 $\delta$ 48.1	21 $\delta$ 43.2	21 $\pi$ 37.1
16 abr	1	37	23.1	10 $\pi$ 07.4	09 $\pi$ 23.0	02 $\delta$ 38.1	03 $\delta$ 19.0	23 $\pi$ 03.0	22 $\delta$ 40.8	21 $\delta$ 29.7	11 $\pi$ 46.0	05 $\delta$ 47.4	21 $\delta$ 43.3	21 $\pi$ 38.2
17 abr	1	41	19.7	10 $\pi$ 28.6	04 $\pi$ 08.0	02 $\delta$ 12.8	02 $\delta$ 51.5	23 $\pi$ 08.8	22 $\delta$ 40.8	21 $\delta$ 29.6	11 $\pi$ 47.2	05 $\delta$ 46.7	21 $\delta$ 43.3	21 $\pi$ 39.7
18 abr	1	45	16.2	10 $\pi$ 49.6	01 $\delta$ 20.3	01 $\delta$ 46.1	02 $\delta$ 23.9	23 $\pi$ 14.5	22 $\delta$ 40.7	21 $\delta$ 29.4	11 $\pi$ 48.4	05 $\delta$ 46.0	21 $\delta$ 43.4	21 $\pi$ 41.5
19 abr	1	49	12.8	11 $\pi$ 10.4	06 $\delta$ 40.9	01 $\delta$ 18.0	01 $\$							



# EFEMÉRIDES CIENTÍFICA E SIMPLIFICADA - ROSACRUZ

## CALCULADA PARA O MEIO-DIA DE GREENWICH

**MAIO DE 2019**

### Longitude dos Astros

Tropical Ephemeris - quarta-feira, 01 mai 2019 at noon, Greenwich SVP = 04x59.67 True Ayanamsa = 24d 07m 19s Julian Day = 2458605.0												
Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	°	°	°	°	°	°	°	°	°	°	°
01 mai	2 36 31.4	10 8 50.7	00 7 48.5	20 7 45.2	13 7 08.0	20 7 31.3	23 2 41.3	20 7 31.3	03 8 01.7	18 7 02.8	23 7 08.5	20 7 26.4
02 mai	2 40 28.0	11 8 48.9	13 7 05.5	22 7 26.8	14 7 20.8	21 7 10.4	23 2 37.4	20 7 31.1	03 8 05.1	18 7 04.3	23 7 08.3	20 7 16.1
03 mai	2 44 24.6	12 8 47.1	25 7 36.5	24 7 10.2	15 7 33.6	21 7 49.4	23 2 33.4	20 7 30.8	03 8 08.5	18 7 05.8	23 7 08.1	20 7 04.7
04 mai	2 48 21.1	13 8 45.3	08 8 22.5	25 7 55.5	16 7 46.4	22 7 28.4	23 2 29.2	20 7 30.4	03 8 12.0	18 7 07.3	23 7 07.8	19 7 53.3
05 mai	2 52 17.7	14 8 43.5	21 8 22.9	27 7 42.6	17 7 59.2	23 7 07.4	23 2 24.8	20 7 29.9	03 8 15.4	18 7 08.8	23 7 07.5	19 7 43.1
06 mai	2 56 14.2	15 8 41.7	04 8 36.7	29 7 31.5	19 7 12.0	23 7 46.4	23 2 20.3	20 7 29.4	03 8 18.7	18 7 10.2	23 7 07.1	19 7 34.9
07 mai	3 0 10.8	16 8 39.8	18 8 02.4	01 8 22.3	20 7 24.9	24 7 25.3	23 2 15.7	20 7 28.7	03 8 22.1	18 7 11.6	23 7 06.8	19 7 29.4
08 mai	3 4 7.3	17 8 37.9	01 8 38.5	03 8 14.9	21 7 37.7	25 7 04.3	23 2 10.8	20 7 27.9	03 8 25.5	18 7 13.0	23 7 06.4	19 7 26.4
09 mai	3 8 3.9	18 8 35.9	15 8 23.5	05 8 09.4	22 7 50.5	25 7 43.2	23 2 05.8	20 7 27.0	03 8 28.9	18 7 14.3	23 7 06.0	19 7 25.5
10 mai	3 12 0.4	19 8 33.9	29 8 16.7	07 8 05.6	24 7 03.4	26 7 22.1	23 2 00.7	20 7 26.0	03 8 32.2	18 7 15.6	23 7 05.5	19 7 25.9
11 mai	3 15 57.0	20 8 31.9	13 8 17.4	09 8 03.7	25 7 16.2	27 7 01.0	22 7 55.4	20 7 25.0	03 8 35.5	18 7 16.9	23 7 05.1	19 7 26.5
12 mai	3 19 53.6	21 8 29.9	27 8 24.9	11 8 03.5	26 7 29.1	27 7 39.8	22 7 50.0	20 7 23.8	03 8 38.9	18 7 18.2	23 7 04.6	19 7 26.3
13 mai	3 23 50.1	22 8 27.8	11 8 38.1	13 8 05.1	27 7 41.9	28 7 18.7	22 7 44.5	20 7 22.6	03 8 42.2	18 7 19.4	23 7 04.1	19 7 24.3
14 mai	3 27 46.7	23 8 25.7	25 8 55.0	15 8 08.3	28 7 54.8	28 7 57.5	22 7 38.8	20 7 21.2	03 8 45.5	18 7 20.6	23 7 03.5	19 7 20.1
15 mai	3 31 43.2	24 8 23.6	10 8 12.4	17 8 13.1	00 8 07.7	29 7 36.3	22 7 33.0	20 7 19.8	03 8 48.8	18 7 21.8	23 7 02.9	19 7 13.7
16 mai	3 35 39.8	25 8 21.4	24 8 26.2	19 8 19.3	01 8 20.5	00 8 15.1	22 7 27.1	20 7 18.3	03 8 52.0	18 7 23.0	23 7 02.3	19 7 05.5
17 mai	3 39 36.3	26 8 19.2	08 8 31.6	21 8 27.0	02 8 33.4	00 8 53.8	22 7 21.0	20 7 16.6	03 8 55.3	18 7 24.1	23 7 01.7	18 7 56.2
18 mai	3 43 32.9	27 8 17.0	22 8 23.9	23 8 35.8	03 8 46.3	01 8 32.6	22 7 14.8	20 7 14.9	03 8 58.5	18 7 25.2	23 7 01.0	18 7 46.9
19 mai	3 47 29.4	28 8 14.8	05 8 59.1	25 8 45.6	04 8 59.2	02 8 11.3	22 7 08.5	20 7 13.1	04 8 01.7	18 7 26.2	23 7 00.4	18 7 38.5
20 mai	3 51 26.0	29 8 12.5	19 8 14.6	27 8 56.2	06 8 12.1	02 8 50.0	22 7 02.1	20 7 11.3	04 8 04.9	18 7 27.3	22 7 59.7	18 7 31.9
21 mai	3 55 22.6	00 8 10.2	02 8 09.6	00 8 07.4	07 8 25.0	03 8 28.6	21 7 55.6	20 7 09.3	04 8 08.1	18 7 28.3	22 7 58.9	18 7 27.5
22 mai	3 59 19.1	01 8 07.9	14 8 44.9	02 8 19.0	08 8 38.0	04 8 07.3	21 7 49.0	20 7 07.2	04 8 11.3	18 7 29.2	22 7 58.2	18 7 25.4
23 mai	4 3 15.7	02 8 05.6	27 8 03.0	04 8 30.6	09 8 50.9	04 8 46.0	21 7 42.3	20 7 05.1	04 8 14.4	18 7 30.2	22 7 57.4	18 7 25.2
24 mai	4 7 12.2	03 8 03.3	09 8 07.5	06 8 42.0	11 8 03.9	05 8 24.6	21 7 35.5	20 7 02.9	04 8 17.5	18 7 31.1	22 7 56.6	18 7 26.2
25 mai	4 11 8.8	04 8 00.9	21 8 02.7	08 8 53.0	12 8 16.8	06 8 03.2	21 7 28.6	20 7 00.5	04 8 20.7	18 7 32.0	22 7 55.8	18 7 27.5
26 mai	4 15 5.3	04 8 58.6	02 8 53.7	11 8 03.2	13 8 29.8	06 8 41.8	21 7 21.6	19 7 58.2	04 8 23.7	18 7 32.8	22 7 54.9	18 7 28.2
27 mai	4 19 1.9	05 8 56.2	14 8 45.4	13 8 12.3	14 8 42.8	07 8 20.4	21 7 14.5	19 7 55.7	04 8 26.8	18 7 33.7	22 7 54.1	18 7 27.6
28 mai	4 22 58.4	06 8 53.8	26 8 43.0	15 8 20.2	15 8 55.8	07 8 59.0	21 7 07.4	19 7 53.1	04 8 29.8	18 7 34.5	22 7 53.2	18 7 25.2
29 mai	4 26 55.0	07 8 51.3	08 8 50.8	17 8 26.6	17 8 08.8	08 8 37.5	21 7 00.2	19 7 50.5	04 8 32.9	18 7 35.2	22 7 52.3	18 7 21.1
30 mai	4 30 51.6	08 8 48.9	21 8 12.9	19 8 31.3	18 8 21.8	09 8 16.1	20 7 52.9	19 7 47.8	04 8 35.9	18 7 35.9	22 7 51.3	18 7 15.4
31 mai	4 34 48.1	09 8 46.5	03 8 52.1	21 8 34.0	19 8 34.9	09 8 54.6	20 7 45.6	19 7 45.0	04 8 38.8	18 7 36.6	22 7 50.4	18 7 08.9

### Declinação dos Astros

Tropical Ephemeris - quarta-feira, 01 mai 2019 at noon, Greenwich SVP = 04x59.67 True Ayanamsa = 24d 07m 19s Julian Day = 2458605.0												
Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	°	°	°	°	°	°	°	°	°	°	°
01 mai	2 36 31.4	15 n 04.6	04 s 02.2	05 n 49.4	03 n 39.5	24 n 10.3	22 s 39.3	21 s 29.0	12 n 03.8	05 s 37.8	21 s 44.7	21 n 52.9
02 mai	2 40 28.0	15 n 22.7	00 n 33.6	06 n 31.2	04 n 07.5	24 n 13.2	22 s 39.2	21 s 29.1	12 n 04.9	05 s 37.2	21 s 44.9	21 n 54.5
03 mai	2 44 24.6	15 n 40.4	05 n 13.4	07 n 13.9	04 n 35.3	24 n 15.9	22 s 39.0	21 s 29.2	12 n 06.1	05 s 36.7	21 s 45.0	21 n 56.1
04 mai	2 48 21.1	15 n 58.0	09 n 45.7	07 n 57.2	05 n 03.1	24 n 18.5	22 s 38.8	21 s 29.3	12 n 07.3	05 s 36.1	21 s 45.2	21 n 57.8
05 mai	2 52 17.7	16 n 15.2	13 n 57.1	08 n 41.1	05 n 30.8	24 n 20.8	22 s 38.7	21 s 29.4	12 n 08.4	05 s 35.6	21 s 45.3	21 n 59.3
06 mai	2 56 14.2	16 n 32.2	17 n 32.4	09 n 25.6	05 n 58.4	24 n 23.0	22 s 38.5	21 s 29.5	12 n 09.6	05 s 35.1	21 s 45.5	22 n 00.5
07 mai	3 0 10.8	16 n 48.9	20 n 15.8	10 n 10.7	06 n 25.9	24 n 24.9	22 s 38.3	21 s 29.7	12 n 10.7	05 s 34.6	21 s 45.6	22 n 01.3
08 mai	3 4 7.3	17 n 05.3	21 n 52.5	10 n 56.1	06 n 53.3	24 n 26.7	22 s 38.1	21 s 29.8	12 n 11.9	05 s 34.0	21 s 45.8	22 n 01.7
09 mai	3 8 3.9	17 n 21.5	22 n 12.0	11 n 41.8	07 n 20.5	24 n 28.2	22 s 37.8	21 s 30.0	12 n 13.0	05 s 33.6	21 s 46.0	22 n 01.8
10 mai	3 12 0.4	17 n 37.3	21 n 09.7	12 n 27.8	07 n 47.6	24 n 29.6	22 s 37.6	21 s 30.2	12 n 14.2	05 s 33.1	21 s 46.1	22 n 01.8
11 mai	3 15 57.0	17 n 52.9	18 n 49.0	13 n 13.9	08 n 14.5	24 n 30.7	22 s 37.4	21 s 30.4	12 n 15.3	05 s 32.6	21 s 46.3	22 n 01.7
12 mai	3 19 53.6	18 n 08.1	15 n 19.6	14 n 00.0	08 n 41.3	24 n 31.7	22 s 37.1	21 s 30.6	12 n 16.4	05 s 32.1	21 s 46.5	22 n 01.7
13 mai	3 23 50.1	18 n 23.1	10 n 55.9	14 n 46.0	09 n 07.9	24 n 32.5	22 s 36.9	21 s 30.8	12 n 17.5	05 s 31.7	21 s 46.7	22 n 02.0
14 mai	3 27 46.7	18 n 37.7	05 n 55.2	15 n 31.7	09 n 34.3	24 n 33.1	22 s 36.6	21 s 31.1	12 n 18.7	05 s 31.3	21 s 46.9	22 n 02.6
15 mai	3 31 43.2	18 n 52.0	00 n 35.4	16 n 17.0	10 n 00.5	24 n 33.4	22 s 36.4	21 s 31.4	12 n 19.8	05 s 30.8	21 s 47.1	22 n 03.5
16 mai	3 35 39.8	19 n 06.0	04 s 44.8	17 n 01.7	10 n 26.5	24 n 33.6	22 s 36.1	21 s 31.6	12 n 20.9	05 s 30.4	21 s 47.3	22 n 04.7
17 mai	3 39 36.3	19 n 19.7	09 s 47.4	17 n 45.6	10 n 52.3	24 n 33.6	22 s 35.8	21 s 31.9	12 n 22.0	05 s 30.0	21 s 47.5	22 n 05.9
18 mai	3 43 32.9	19 n 33.0	14 s 15.1	18 n 28.6	11 n 17.8	24 n 33.4	22 s 35.5	21 s 32.2	12 n 23.1	05 s 29.6	21 s 47.7	22 n 07.2
19 mai	3 47 29.4	19 n 46.1	17 s 53.0	19 n 10.4	11 n 43.1	24 n 33.0	22 s 35.2	21 s 32.5	12 n 24.1	05 s 29.2	21 s 47.9	22 n 08.4
20 mai	3 51 26.0	19 n 58.7	20 s 29.7	19 n 50.8	12 n 08.2	24 n 32.4	22 s 34.9	21 s 32.9	12 n 25.2	05 s 28.9	21 s 48.1	22 n 09.3
21 mai	3 55 22.6	20 n 11.1	21 s 58.2	20 n 29.6	12 n 32.9	24 n 31.6	22 s 34.6	21 s 33.2	12 n 26.3	05 s 28.5	21 s 48.4	22 n 09.9
22 mai	3 59 19.1	20 n 23.0	22 s 17.2	21 n 06.7	12 n 57.4	24 n 30.6	22 s 34.2	21 s 33.6	12 n 27.3	05 s 28.2	21 s 48.6	22 n 10.2
23 mai	4 3 15.7	20 n 34.7	21 s 30.1	21 n 41.7	13 n 21.6	24 n 29.4	22 s 33.9	21 s 33.9	12 n 28.4	05 s 27.8	21 s 48.8	22 n 10.2
24 mai	4 7 12.2	20 n 46.0	19 s 43.8	22 n 14.7	13 n 45.5	24 n 28.1	22 s 33.6	21 s 34.3	12 n 29.4	05 s 27.5	21 s 49.1	22 n 10.1
25 mai	4 11 8.8	20 n 56.9	17 s 07.1	22 n 45.3	14 n 09.0	24 n 26.5	22 s 33.2	21 s 34.7	12 n 30.5	05 s 27.2	21 s 49.3	22 n 09.9
26 mai	4 15 5.3	21 n 07.5	13 s 48.9	23 n 13.5	14 n 32.3	24 n 24.8	22 s 32.8	21 s 35.1	12 n 31.5	05 s 26.9	21 s 49.5	22 n 09.8
27 mai	4 19 1.9	21 n 17.7	09 s 58.0	23 n 39.1	14 n 55.1	24 n 22.8	22 s 32.5	21 s 35.5	12 n 32.5	05 s 26.6	21 s 49.8	22 n 09.9
28 mai	4 22 58.4	21 n 27.5	05 s 42.6	24 n 02.1	15 n 17.7	24 n 20.7	22 s 32.1	21 s 36.0	12 n 33.6	05 s 26.4	21 s 50.0	22 n 10.2
29 mai	4 26 55.0	21 n 37.0	01 s 10.7	24 n 22.3	15 n 39.9	24 n 18.4	22 s 31.7	21 s 36.4	12 n 34.6	05 s 26.1	21 s 50.3	22 n 10.8
30 mai	4 30 51.6	21 n 46.1	03 n 29.2	24 n 39.9	16 n 01.7	24 n 15.9	22 s 31.3	21 s 36.9	12 n 35.6	05 s 25.9	21 s 50.5	22 n 11.5
31 mai	4 34 48.1	21 n 54.8	08 n 07.0	24 n 54.7	16 n 23.1	24 n 13.2	22 s 30.9	21 s 37.3	12 n 36.6	05 s 25.6	21 s 50.8	22 n 12.4

# EFEMÉRIDES CIENTÍFICA E SIMPLIFICADA - ROSACRUZ

## CALCULADA PARA O MEIO-DIA DE GREENWICH

**JUNHO DE 2019**

### Longitude dos Astros

Tropical Ephemeris - sQbado, 01 jun 2019 at noon, Greenwich SVP = 04x59.61 True Ayanamsa = 24d 07m 23s Julian Day = 2458636.0												
Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	°	°	°	°	°	°	°	°	°	°	°
01 jun	4 38 44.7	10π44.0	16 8 49.9	23π34.7	20 8 47.9	10 5 33.1	20 4 382	19 v 421	04 8 41.8	18 x 37.3	22 v 494	18 5 022
02 jun	4 42 41.2	11π41.5	00π06.5	25π33.2	22 8 01.0	11 5 11.6	20 4 307	19 v 392	04 8 44.7	18 x 37.9	22 v 484	17 5 563
03 jun	4 46 37.8	12π39.0	13π40.7	27π29.4	23 8 14.0	11 5 50.1	20 4 232	19 v 362	04 8 47.6	18 x 38.5	22 v 474	17 5 518
04 jun	4 50 34.3	13π36.5	27π30.2	29π23.2	24 8 27.1	12 5 28.6	20 4 157	19 v 331	04 8 50.4	18 x 39.1	22 v 463	17 5 489
05 jun	4 54 30.9	14π34.0	11 5 31.6	01 5 14.5	25 8 40.2	13 5 07.1	20 4 081	19 v 299	04 8 53.3	18 x 39.6	22 v 453	17 5 478
06 jun	4 58 27.4	15π31.4	25 5 41.4	03 5 03.3	26 8 53.2	13 5 45.5	20 4 005	19 v 267	04 8 56.1	18 x 40.1	22 v 442	17 5 483.3
07 jun	5 2 24.0	16π28.9	09 5 55.9	04 5 49.5	28 8 06.3	14 5 24.0	19 4 529	19 v 234	04 8 58.9	18 x 40.6	22 v 431	17 5 497.7
08 jun	5 6 20.6	17π26.3	24 5 12.0	06 5 33.1	29 8 19.4	15 5 02.4	19 4 453	19 v 201	05 8 01.6	18 x 41.0	22 v 420	17 5 51.5
09 jun	5 10 17.1	18π23.7	08 5 27.0	08 5 14.0	00 5 32.5	15 5 40.8	19 4 376	19 v 166	05 8 04.4	18 x 41.4	22 v 409	17 5 52.8
10 jun	5 14 13.7	19π21.1	22 5 38.6	09 5 52.3	01 5 45.6	16 5 19.2	19 4 300	19 v 132	05 8 07.1	18 x 41.8	22 v 397	17 5 53.3
11 jun	5 18 10.2	20π18.4	06 5 44.9	11 5 27.9	02 5 58.8	16 5 57.6	19 4 223	19 v 096	05 8 09.7	18 x 42.1	22 v 385	17 5 525
12 jun	5 22 6.8	21π15.8	20 5 43.9	13 5 00.8	04 5 11.9	17 5 36.0	19 4 147	19 v 060	05 8 12.4	18 x 42.5	22 v 374	17 5 505
13 jun	5 26 3.3	22π13.1	04 5 33.6	14 5 30.9	05 5 25.0	18 5 14.3	19 4 070	19 v 024	05 8 15.0	18 x 42.7	22 v 362	17 5 474
14 jun	5 29 59.9	23π10.4	18 5 12.2	15 5 58.3	06 5 38.2	18 5 52.6	18 4 594	18 v 587	05 8 17.5	18 x 43.0	22 v 349	17 5 437
15 jun	5 33 56.4	24π07.7	01 5 37.8	17 5 22.9	07 5 51.4	19 5 31.0	18 4 518	18 v 549	05 8 20.1	18 x 43.2	22 v 337	17 5 399
16 jun	5 37 53.0	25π05.0	14 5 49.0	18 5 44.6	09 5 04.5	20 5 09.3	18 4 442	18 v 511	05 8 22.6	18 x 43.4	22 v 325	17 5 366
17 jun	5 41 49.6	26π02.2	27 5 44.9	20 5 03.5	10 5 17.7	20 5 47.6	18 4 367	18 v 472	05 8 25.0	18 x 43.5	22 v 312	17 5 342
18 jun	5 45 46.1	26π59.5	10 5 25.2	21 5 19.5	11 5 30.9	21 5 25.9	18 4 291	18 v 433	05 8 27.5	18 x 43.6	22 v 299	17 5 329
19 jun	5 49 42.7	27π56.8	22 5 50.8	22 5 32.6	12 5 44.1	22 5 04.1	18 4 217	18 v 394	05 8 29.9	18 x 43.7	22 v 286	17 5 327
20 jun	5 53 39.2	28π54.0	05 5 03.2	23 5 42.7	13 5 57.4	22 5 42.4	18 4 142	18 v 354	05 8 32.2	18 x 43.7	22 v 273	17 5 335.5
21 jun	5 57 35.8	29π51.2	17 5 05.1	24 5 49.7	15 5 10.6	23 5 20.7	18 4 069	18 v 314	05 8 34.6	18 x 43.7	22 v 260	17 5 349
22 jun	6 1 32.3	00 5 48.5	28 5 59.7	25 5 53.5	16 5 23.9	23 5 58.9	17 4 595	18 v 273	05 8 36.9	18 x 43.7	22 v 247	17 5 365.5
23 jun	6 5 28.9	01 5 45.7	10 5 51.0	26 5 54.2	17 5 37.1	24 5 37.1	17 4 523	18 v 232	05 8 39.1	18 x 43.7	22 v 234	17 5 379
24 jun	6 9 25.4	02 5 43.0	22 5 43.2	27 5 51.5	18 5 50.4	25 5 15.4	17 4 451	18 v 190	05 8 41.3	18 x 43.6	22 v 220	17 5 387
25 jun	6 13 22.0	03 5 40.2	04 5 41.0	28 5 45.5	20 5 03.7	25 5 53.6	17 4 379	18 v 148	05 8 43.5	18 x 43.5	22 v 207	17 5 389
26 jun	6 17 18.5	04 5 37.4	16 5 49.0	29 5 35.9	21 5 17.1	26 5 31.8	17 4 309	18 v 106	05 8 45.7	18 x 43.3	22 v 193	17 5 384
27 jun	6 21 15.1	05 5 34.6	29 5 11.8	00 5 22.8	22 5 30.4	27 5 10.0	17 4 239	18 v 064	05 8 47.8	18 x 43.1	22 v 179	17 5 374
28 jun	6 25 11.7	06 5 31.9	11 5 53.0	01 5 05.9	23 5 43.8	27 5 48.2	17 4 170	18 v 021	05 8 49.9	18 x 42.9	22 v 165	17 5 361
29 jun	6 29 8.2	07 5 29.1	24 5 55.5	01 5 45.2	24 5 57.1	28 5 26.4	17 4 102	17 v 578	05 8 51.9	18 x 42.7	22 v 151	17 5 349
30 jun	6 33 4.8	08 5 26.3	08 5 20.7	02 5 20.6	26 5 10.5	29 5 04.6	17 4 035	17 v 535	05 8 53.9	18 x 42.4	22 v 137	17 5 339

### Declinação dos Astros

Tropical Ephemeris - sQbado, 01 jun 2019 at noon, Greenwich SVP = 04x59.61 True Ayanamsa = 24d 07m 23s Julian Day = 2458636.0												
Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	°	°	°	°	°	°	°	°	°	°	°
01 jun	4 38 44.7	10π44.0	16 8 49.9	23π34.7	20 8 47.9	10 5 33.1	20 4 382	19 v 421	04 8 41.8	18 x 37.3	22 v 494	18 5 022
02 jun	4 42 41.2	11π41.5	00π06.5	25π33.2	22 8 01.0	11 5 11.6	20 4 307	19 v 392	04 8 44.7	18 x 37.9	22 v 484	17 5 563
03 jun	4 46 37.8	12π39.0	13π40.7	27π29.4	23 8 14.0	11 5 50.1	20 4 232	19 v 362	04 8 47.6	18 x 38.5	22 v 474	17 5 518
04 jun	4 50 34.3	13π36.5	27π30.2	29π23.2	24 8 27.1	12 5 28.6	20 4 157	19 v 331	04 8 50.4	18 x 39.1	22 v 463	17 5 489
05 jun	4 54 30.9	14π34.0	11 5 31.6	01 5 14.5	25 8 40.2	13 5 07.1	20 4 081	19 v 299	04 8 53.3	18 x 39.6	22 v 453	17 5 478
06 jun	4 58 27.4	15π31.4	25 5 41.4	03 5 03.3	26 8 53.2	13 5 45.5	20 4 005	19 v 267	04 8 56.1	18 x 40.1	22 v 442	17 5 483.3
07 jun	5 2 24.0	16π28.9	09 5 55.9	04 5 49.5	28 8 06.3	14 5 24.0	19 4 529	19 v 234	04 8 58.9	18 x 40.6	22 v 431	17 5 497.7
08 jun	5 6 20.6	17π26.3	24 5 12.0	06 5 33.1	29 8 19.4	15 5 02.4	19 4 453	19 v 201	05 8 01.6	18 x 41.0	22 v 420	17 5 51.5
09 jun	5 10 17.1	18π23.7	08 5 27.0	08 5 14.0	00 5 32.5	15 5 40.8	19 4 376	19 v 166	05 8 04.4	18 x 41.4	22 v 409	17 5 52.8
10 jun	5 14 13.7	19π21.1	22 5 38.6	09 5 52.3	01 5 45.6	16 5 19.2	19 4 300	19 v 132	05 8 07.1	18 x 41.8	22 v 397	17 5 53.3
11 jun	5 18 10.2	20π18.4	06 5 44.9	11 5 27.9	02 5 58.8	16 5 57.6	19 4 223	19 v 096	05 8 09.7	18 x 42.1	22 v 385	17 5 525
12 jun	5 22 6.8	21π15.8	20 5 43.9	13 5 00.8	04 5 11.9	17 5 36.0	19 4 147	19 v 060	05 8 12.4	18 x 42.5	22 v 374	17 5 505
13 jun	5 26 3.3	22π13.1	04 5 33.6	14 5 30.9	05 5 25.0	18 5 14.3	19 4 070	19 v 024	05 8 15.0	18 x 42.7	22 v 362	17 5 474
14 jun	5 29 59.9	23π10.4	18 5 12.2	15 5 58.3	06 5 38.2	18 5 52.6	18 4 594	18 v 587	05 8 17.5	18 x 43.0	22 v 349	17 5 437
15 jun	5 33 56.4	24π07.7	01 5 37.8	17 5 22.9	07 5 51.4	19 5 31.0	18 4 518	18 v 549	05 8 20.1	18 x 43.2	22 v 337	17 5 399
16 jun	5 37 53.0	25π05.0	14 5 49.0	18 5 44.6	09 5 04.5	20 5 09.3	18 4 442	18 v 511	05 8 22.6	18 x 43.4	22 v 325	17 5 366
17 jun	5 41 49.6	26π02.2	27 5 44.9	20 5 03.5	10 5 17.7	20 5 47.6	18 4 367	18 v 472	05 8 25.0	18 x 43.5	22 v 312	17 5 342
18 jun	5 45 46.1	26π59.5	10 5 25.2	21 5 19.5	11 5 30.9	21 5 25.9	18 4 291	18 v 433	05 8 27.5	18 x 43.6	22 v 299	17 5 329
19 jun	5 49 42.7	27π56.8	22 5 50.8	22 5 32.6	12 5 44.1	22 5 04.1	18 4 217	18 v 394	05 8 29.9	18 x 43.7	22 v 286	17 5 327
20 jun	5 53 39.2	28π54.0	05 5 03.2	23 5 42.7	13 5 57.4	22 5 42.4	18 4 142	18 v 354	05 8 32.2	18 x 43.7	22 v 273	17 5 335.5
21 jun	5 57 35.8	29π51.2	17 5 05.1	24 5 49.7	15 5 10.6	23 5 20.7	18 4 069	18 v 314	05 8 34.6	18 x 43.7	22 v 260	17 5 349
22 jun	6 1 32.3	00 5 48.5	28 5 59.7	25 5 53.5	16 5 23.9	23 5 58.9	17 4 595	18 v 273	05 8 36.9	18 x 43.7	22 v 247	17 5 365.5
23 jun	6 5 28.9	01 5 45.7	10 5 51.0	26 5 54.2	17 5 37.1	24 5 37.1	17 4 523	18 v 232	05 8 39.1	18 x 43.7	22 v 234	17 5 379
24 jun	6 9 25.4	02 5 43.0	22 5 43.2	27 5 51.5	18 5 50.4	25 5 15.4	17 4 451	18 v 190	05 8 41.3	18 x 43.6	22 v 220	17 5 387
25 jun	6 13 22.0	03 5 40.2	04 5 41.0	28 5 45.5	20 5 03.7	25 5 53.6	17 4 379	18 v 148	05 8 43.5	18 x 43.5	22 v 207	17 5 389
26 jun	6 17 18.5	04 5 37.4	16 5 49.0	29 5 35.9	21 5 17.1	26 5 31.8	17 4 309	18 v 106	05 8 45.7	18 x 43.3	22 v 193	17 5 384
27 jun	6 21 15.1	05 5 34.6	29 5 11.8	00 5 22.8	22 5 30.4	27 5 10.0	17 4 239	18 v 064	05 8 47.8	18 x 43.1	22 v 179	17 5 374
28 jun	6 25 11.7	06 5 31.9	11 5 53.0	01 5 05.9	23 5 43.8	27 5 48.2	17 4 170	18 v 021	05 8 49.9	18 x 42.9	22 v 165	17 5 361
29 jun	6 29 8.2	07 5 29.1	24 5 55.5	01 5 45.2	24 5 57.1	28 5 26.4	17 4 102	17 v 578	05 8 51.9	18 x 42.7	22 v 151	17 5 349
30 jun	6 33 4.8	08 5 26.3	08 5 20.7	02 5 20.6	26 5 10.5	29 5 04.6	17 4 035	17 v 535	05 8 53.9	18 x 42.4	22 v 137	17 5 339



# EFEMÉRIDES CIENTÍFICA E SIMPLIFICADA - ROSACRUZ

## CALCULADA PARA O MEIO-DIA DE GREENWICH

**JULHO DE 2019**

### Longitude dos Astros

Tropical Ephemeris - segunda-feira, 01 jul 2019 at noon, Greenwich SVP = 04x59.54 True Ayanamsa = 24d 07m 27s Julian Day = 2458666.0													
Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N.	Node
	h m s												
01 jul	6 37 1.3	09 23.6	22 11 08.5	02 45 1.8	27 11 23.9	29 52 4.8	16 2 56.8	17 14 49.1	05 8 55.8	18 14 21.1	22 11 23.1	17 33 33.3	
02 jul	6 40 57.9	10 20.8	06 16.7	03 41 8.9	28 11 37.4	00 12 1.0	16 2 50.3	17 14 44.8	05 8 57.7	18 14 18.2	22 11 10.9	17 33 32.2	
03 jul	6 44 54.4	11 18.0	20 41.4	03 41 7.1	29 11 50.8	00 15 9.1	16 2 43.9	17 14 40.4	05 8 59.6	18 14 14.3	22 10 59.5	17 33 31.1	
04 jul	6 48 51.0	12 15.2	05 17.1	04 40 0.0	01 04 3.3	01 17 7.3	16 2 37.6	17 14 36.0	06 8 01.4	18 14 10.4	22 10 48.0	17 33 30.0	
05 jul	6 52 47.5	13 12.5	19 57.6	04 41 3.9	02 17 7.7	02 15 5.5	16 2 31.5	17 14 31.6	06 8 03.2	18 14 06.5	22 10 36.6	17 33 28.9	
06 jul	6 56 44.1	14 09.7	04 136.7	04 42 3.1	03 31.2	02 45 3.6	16 2 25.4	17 14 27.2	06 8 05.0	18 14 02.6	22 10 25.2	17 33 27.8	
07 jul	7 0 40.7	15 06.9	19 1108.7	04 42 7.6	04 44.7	03 31 8.8	16 2 19.5	17 14 22.8	06 8 06.7	18 13 58.7	22 10 13.7	17 33 26.7	
08 jul	7 4 37.2	16 04.1	03 29.4	04 42 7.5	05 58.2	04 09 9.9	16 2 13.7	17 14 18.4	06 8 08.3	18 13 54.8	22 10 02.3	17 33 25.6	
09 jul	7 8 33.8	17 01.3	17 35.7	04 42 26.7	07 11.8	04 48 0.0	16 2 08.0	17 14 13.9	06 8 09.9	18 13 50.9	22 9 50.9	17 33 24.5	
10 jul	7 12 30.3	17 58.5	01 1126.2	04 42 13.1	08 25.3	05 12 6.1	16 2 02.5	17 14 09.5	06 8 11.5	18 13 47.0	22 9 39.5	17 33 23.4	
11 jul	7 16 26.9	18 55.7	15 1100.2	03 4589	09 38.9	06 04 3.3	15 2 57.1	17 14 05.1	06 8 13.0	18 13 43.1	22 9 28.1	17 33 22.3	
12 jul	7 20 23.4	19 52.9	28 1118.2	03 4404	10 52.4	06 42 4.4	15 2 51.8	17 14 00.7	06 8 14.5	18 13 39.2	22 9 16.7	17 33 21.2	
13 jul	7 24 20.0	20 50.1	11 20.9	03 4176	12 06.0	07 20 5.5	15 2 46.7	16 14 56.3	06 8 16.0	18 13 35.3	22 9 05.3	17 33 20.1	
14 jul	7 28 16.5	21 47.3	24 209.4	02 4508	13 19.6	07 58 6.6	15 2 41.7	16 14 51.9	06 8 17.3	18 13 31.4	22 8 53.9	17 33 19.0	
15 jul	7 32 13.1	22 44.5	06 144.8	02 4204	14 33.2	08 36 6.6	15 2 36.9	16 14 47.5	06 8 18.7	18 13 27.5	22 8 42.5	17 33 17.9	
16 jul	7 36 9.7	23 41.7	19 108.3	01 4468	15 46.9	09 14 7.7	15 2 32.2	16 14 43.1	06 8 20.0	18 13 23.6	22 8 31.1	17 33 16.8	
17 jul	7 40 6.2	24 38.9	01 21.4	01 4104	17 00.5	09 52 8.8	15 2 27.7	16 14 38.7	06 8 21.3	18 13 19.7	22 8 19.7	17 33 15.7	
18 jul	7 44 2.8	25 36.2	13 25.5	00 4319	18 14.2	10 30 9.9	15 2 23.4	16 14 34.4	06 8 22.5	18 13 15.8	22 8 08.3	17 33 14.6	
19 jul	7 47 59.3	26 33.4	25 22.7	29 519	19 27.9	11 09 0.0	15 2 19.2	16 14 30.1	06 8 23.6	18 13 11.9	22 7 56.9	17 33 13.5	
20 jul	7 51 55.9	27 30.6	07 15.2	29 109	20 41.6	11 47 0.0	15 2 15.1	16 14 25.8	06 8 24.7	18 13 08.0	22 7 45.5	17 33 12.4	
21 jul	7 55 52.4	28 27.9	19 106.0	28 298	21 55.3	12 25 1.1	15 2 11.2	16 14 21.5	06 8 25.8	18 13 04.1	22 7 34.1	17 33 11.3	
22 jul	7 59 49.0	29 25.1	00 158.1	27 492	23 09.1	13 03 2.2	15 2 07.5	16 14 17.2	06 8 26.8	18 13 00.2	22 7 22.7	17 33 10.2	
23 jul	8 3 45.5	00 22.4	12 155.5	27 099	24 22.9	13 41 3.3	15 2 04.0	16 14 13.0	06 8 27.8	18 12 56.3	22 7 11.3	17 33 09.1	
24 jul	8 7 42.1	01 19.7	25 102.2	26 325	25 36.7	14 19 4.4	15 2 00.6	16 14 08.8	06 8 28.7	18 12 52.4	22 7 00.0	17 33 08.0	
25 jul	8 11 38.7	02 17.0	07 22.6	25 578	26 50.5	14 57 5.5	14 2 57.4	16 14 04.6	06 8 29.6	18 12 48.5	22 6 48.6	17 33 06.9	
26 jul	8 15 35.2	03 14.3	20 01.0	25 264	28 04.3	15 35 6.6	14 2 54.4	16 14 00.5	06 8 30.5	18 12 44.6	22 6 37.2	17 33 05.8	
27 jul	8 19 31.8	04 11.7	03 101.1	24 590	29 18.2	16 13 7.7	14 2 51.5	15 14 56.4	06 8 31.2	18 12 40.7	22 6 25.8	17 33 04.7	
28 jul	8 23 28.3	05 09.0	16 125.9	24 361	00 432.0	16 51 8.8	14 2 48.9	15 14 52.4	06 8 32.0	18 12 36.8	22 6 14.4	17 33 03.6	
29 jul	8 27 24.9	06 06.4	00 16.8	24 180	01 45.9	17 29 9.9	14 2 46.4	15 14 48.3	06 8 32.7	18 12 32.9	22 6 03.0	17 33 02.5	
30 jul	8 31 21.4	07 03.7	14 32.9	24 054	02 48.8	18 07 0.0	14 2 44.1	15 14 44.4	06 8 33.3	18 12 29.0	22 5 51.6	17 33 01.4	
31 jul	8 35 18.0	08 01.1	29 11.3	23 584	04 13.8	18 45 1.1	14 2 41.9	15 14 40.4	06 8 33.9	18 12 25.1	22 5 40.2	17 33 00.3	

### Declinação dos Astros

Tropical Ephemeris - segunda-feira, 01 jul 2019 at noon, Greenwich SVP = 04x59.54 True Ayanamsa = 24d 07m 27s Julian Day = 2458666.0													
Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N.	Node
	h m s												
01 jul	6 37 1.3	23 n 06.2	20 n 55.8	18 n 30.7	23 n 14.8	21 n 21.7	22 s 16.1	21 s 55.4	13 n 01.9	05 s 24.7	22 s 00.1	22 n 17.1	
02 jul	6 40 57.9	23 n 02.0	22 n 14.9	18 n 10.3	23 n 18.3	21 n 13.5	22 s 15.6	21 s 56.1	13 n 02.5	05 s 24.9	22 s 00.5	22 n 17.1	
03 jul	6 44 54.4	23 n 57.4	22 n 07.5	17 n 50.6	23 n 21.2	21 n 05.2	22 s 15.1	21 s 56.7	13 n 03.1	05 s 25.1	22 s 00.8	22 n 17.1	
04 jul	6 48 51.0	22 n 52.3	20 n 30.3	17 n 31.6	23 n 23.4	20 n 56.8	22 s 14.7	21 s 57.4	13 n 03.7	05 s 25.3	22 s 01.1	22 n 17.0	
05 jul	6 52 47.5	22 n 46.9	17 n 30.7	17 n 13.6	23 n 24.9	20 n 48.2	22 s 14.2	21 s 58.0	13 n 04.2	05 s 25.5	22 s 01.4	22 n 16.9	
06 jul	6 56 44.1	22 n 41.0	13 n 25.2	16 n 56.5	23 n 25.8	20 n 39.4	22 s 13.8	21 s 58.7	13 n 04.8	05 s 25.7	22 s 01.8	22 n 16.8	
07 jul	7 0 40.7	22 n 34.8	08 n 34.2	16 n 40.6	23 n 25.9	20 n 30.5	22 s 13.4	21 s 59.4	13 n 05.3	05 s 25.9	22 s 02.1	22 n 16.7	
08 jul	7 4 37.2	22 n 28.2	03 n 19.1	16 n 25.9	23 n 25.3	20 n 21.5	22 s 13.0	22 s 00.0	13 n 05.9	05 s 26.2	22 s 02.4	22 n 16.7	
09 jul	7 8 33.8	22 n 21.2	02 s 00.9	16 n 12.5	23 n 24.1	20 n 12.3	22 s 12.6	22 s 00.7	13 n 06.4	05 s 26.4	22 s 02.8	22 n 16.7	
10 jul	7 12 30.3	22 n 13.8	07 s 09.0	16 n 00.5	23 n 22.2	20 n 03.0	22 s 12.2	22 s 01.3	13 n 06.9	05 s 26.7	22 s 03.1	22 n 16.7	
11 jul	7 16 26.9	22 n 06.0	11 s 50.3	15 n 50.0	23 n 19.5	19 n 53.5	22 s 11.8	22 s 01.9	13 n 07.4	05 s 27.0	22 s 03.4	22 n 16.6	
12 jul	7 20 23.4	21 n 57.9	15 s 51.7	15 n 41.0	23 n 16.2	19 n 43.9	22 s 11.4	22 s 02.6	13 n 07.9	05 s 27.3	22 s 03.7	22 n 16.6	
13 jul	7 24 20.0	21 n 49.3	19 s 01.9	15 n 33.7	23 n 12.2	19 n 34.2	22 s 11.1	22 s 03.2	13 n 08.3	05 s 27.6	22 s 04.1	22 n 16.5	
14 jul	7 28 16.5	21 n 40.4	21 s 11.9	15 n 28.1	23 n 07.5	19 n 24.4	22 s 10.7	22 s 03.9	13 n 08.8	05 s 27.9	22 s 04.4	22 n 16.4	
15 jul	7 32 13.1	21 n 31.2	22 s 15.8	15 n 24.1	23 n 02.2	19 n 14.4	22 s 10.4	22 s 04.5	13 n 09.2	05 s 28.2	22 s 04.7	22 n 16.4	
16 jul	7 36 9.7	21 n 21.5	22 s 12.4	15 n 21.9	22 n 56.1	19 n 04.2	22 s 10.1	22 s 05.1	13 n 09.6	05 s 28.5	22 s 05.1	22 n 16.3	
17 jul	7 40 6.2	21 n 11.5	21 s 04.7	15 n 21.4	22 n 49.4	18 n 54.0	22 s 09.8	22 s 05.8	13 n 10.0	05 s 28.9	22 s 05.4	22 n 16.3	
18 jul	7 44 2.8	21 n 01.2	18 s 59.6	15 n 22.7	22 n 42.0	18 n 43.6	22 s 09.5	22 s 06.4	13 n 10.4	05 s 29.2	22 s 05.7	22 n 16.3	
19 jul	7 47 59.3	20 n 50.4	16 s 06.3	15 n 25.5	22 n 33.9	18 n 33.1	22 s 09.2	22 s 07.0	13 n 10.7	05 s 29.6	22 s 06.0	22 n 16.4	
20 jul	7 51 55.9	20 n 39.4	12 s 34.7	15 n 30.0	22 n 25.2	18 n 22.5	22 s 09.0	22 s 07.6	13 n 11.1	05 s 30.0	22 s 06.4	22 n 16.5	
21 jul	7 55 52.4	20 n 28.0	08 s 34.6	15 n 36.0	22 n 15.8	18 n 11.7	22 s 08.7	22 s 08.2	13 n 11.4	05 s 30.3	22 s 06.7	22 n 16.7	
22 jul	7 59 49.0	20 n 16.2	04 s 15.0	15 n 43.4	22 n 05.7	18 n 00.9	22 s 08.5	22 s 08.8	13 n 11.7	05 s 30.7	22 s 07.0	22 n 16.9	
23 jul	8 3 45.5	20 n 04.1	00 n 15.8	15 n 52.1	21 n 55.0	17 n 49.9	22 s 08.3	22 s 09.4	13 n 12.0	05 s 31.1	22 s 07.3	22 n 17.0	
24 jul	8 7 42.1	19 n 51.7	04 n 49.3	16 n 02.0	21 n 43.7	17 n 38.8	22 s 08.1	22 s 10.0	13 n 12.3	05 s 31.6	22 s 07.6	22 n 17.0	
25 jul	8 11 38.7	19 n 38.9	09 n 16.7	16 n 12.9	21 n 31.7	17 n 27.5	22 s 08.0	22 s 10.6	13 n 12.6	05 s 32.0	22 s 08.0	22 n 17.0	
26 jul	8 15 35.2	19 n 25.8	13 n 27.2	16 n 24.6	21 n 19.1	17 n 16.2	22 s 07.8	22 s 11.2	13 n 12.9	05 s 32.4	22 s 08.3	22 n 16.8	
27 jul	8 19 31.8	19 n 12.4	17 n 07.6	16 n 37.1	21 n 05.9	17 n 04.8	22 s 07.7	22 s 11.8	13 n 13.1	05 s 32.9	22 s 08.6	22 n 16.6	
28 jul	8 23 28.3	18 n 58.7	20 n 01.8	16 n 50.2	20 n 52.1	16 n 53.2	22 s 07.6	22 s 12.4	13 n 13.3	05 s 33.3	22 s 08.9	22 n 16.4	
29 jul	8 27 24.9	18 n 44.6	21 n 51.9	17 n 03.6	20 n 37.7	16 n 41.5	22 s 07.5	22 s 12.9	13 n 13.5	05 s 33.8	22 s 09.2	22 n 16.3	
30 jul	8 31 21.4	18 n 30.3	22 n 21.8	17 n 17.3	20 n 22.6	16 n 29.7	22 s 07.4	22 s 13.5	13 n 13.7	05 s 34.3	22 s 09.5	22 n 16.2	
31 jul	8 35 18.0	18 n 15.6	21 n 21.2	17 n 31.0	20 n 07.0	16 n 17.8	22 s 07.4	22 s 14.1	13 n 13.9	05 s 34.7	22 s 09.8	22 n 16.3	

# EFEMÉRIDES CIENTÍFICA E SIMPLIFICADA - ROSACRUZ

## CALCULADA PARA O MEIO-DIA DE GREENWICH

AGOSTO DE 2019

### Longitude dos Astros

Tropical Ephemeris - quinta-feira, 01 ago 2019 at noon, Greenwich SVP = 04h59.47 True Ayanamsa = 24d 07m 31s  
Julian Day = 2458697.0

Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
01 ago	8 39 14.5	08h58.5	14h05.9	23h57.5	05h27.7	19h23.9	14h400	15h365	06h34.4	18h180	21h278	17h380
02 ago	8 43 11.1	09h56.0	29h09.0	24h02.7	06h41.7	20h02.0	14h382	15h327	06h34.9	18h168	21h264	17h353
03 ago	8 47 7.7	10h53.4	14h11.4	24h14.2	07h55.7	20h40.1	14h366	15h289	06h35.4	18h156	21h251	17h318
04 ago	8 51 4.2	11h50.9	29h04.3	24h32.2	09h09.7	21h18.2	14h352	15h252	06h35.8	18h144	21h237	17h280
05 ago	8 55 0.8	12h48.3	13h40.8	24h56.7	10h23.7	21h56.3	14h340	15h215	06h36.1	18h131	21h224	17h244
06 ago	8 58 57.3	13h45.8	27h56.0	25h27.7	11h37.7	22h34.3	14h329	15h179	06h36.4	18h119	21h211	17h216
07 ago	9 2 53.9	14h43.3	11h47.7	26h05.3	12h51.8	23h12.4	14h321	15h143	06h36.7	18h106	21h198	17h199
08 ago	9 6 50.4	15h40.8	25h16.1	26h49.3	14h05.8	23h50.5	14h314	15h108	06h36.8	18h092	21h185	17h195
09 ago	9 10 47.0	16h38.3	08h22.9	27h39.6	15h19.9	24h28.6	14h310	15h074	06h37.0	18h079	21h172	17h20.2
10 ago	9 14 43.5	17h35.8	21h10.7	28h36.3	16h34.0	25h06.7	14h307	15h040	06h37.1	18h066	21h159	17h21.7
11 ago	9 18 40.1	18h33.3	03h42.7	29h39.0	17h48.1	25h44.8	14h306	15h007	06h37.1	18h052	21h146	17h23.4
12 ago	9 22 36.7	19h30.9	16h02.0	00h47.7	19h02.2	26h22.8	14h30.7	14h575	06h37.1	18h038	21h134	17h24.6
13 ago	9 26 33.2	20h28.4	28h11.3	02h02.1	20h16.3	27h00.9	14h30.9	14h543	06h37.1	18h024	21h122	17h24.6
14 ago	9 30 29.8	21h26.0	10h13.1	03h22.1	21h30.5	27h39.0	14h31.4	14h512	06h37.0	18h010	21h109	17h231
15 ago	9 34 26.3	22h23.6	22h09.4	04h47.2	22h44.6	28h17.1	14h32.0	14h481	06h36.8	17h595	21h098	17h217
16 ago	9 38 22.9	23h21.2	04h02.3	06h17.3	23h58.8	28h55.2	14h32.8	14h452	06h36.6	17h581	21h086	17h2146
17 ago	9 42 19.4	24h18.9	15h53.4	07h52.0	25h13.0	29h33.3	14h33.9	14h423	06h36.4	17h566	21h074	17h2084
18 ago	9 46 16.0	25h16.6	27h44.8	09h30.9	26h27.2	00h11.5	14h35.0	14h395	06h36.1	17h551	21h063	17h2017
19 ago	9 50 12.5	26h14.3	09h38.6	11h13.6	27h41.4	00h49.6	14h36.4	14h367	06h35.8	17h536	21h051	16h2553
20 ago	9 54 9.1	27h12.0	21h37.4	12h59.8	28h55.6	01h27.7	14h38.0	14h340	06h35.4	17h521	21h040	16h2500
21 ago	9 58 5.7	28h09.7	03h44.4	14h49.0	00h09.9	02h05.8	14h39.7	14h315	06h34.9	17h506	21h029	16h2464
22 ago	10 2 2.2	29h07.5	16h03.3	16h40.8	01h24.2	02h44.0	14h41.6	14h289	06h34.4	17h490	21h018	16h2445
23 ago	10 5 58.8	00h05.3	28h37.9	18h34.7	02h38.5	03h22.1	14h43.7	14h265	06h33.9	17h475	21h008	16h2443
24 ago	10 9 55.3	01h03.1	11h32.4	20h30.3	03h52.8	04h00.3	14h46.0	14h242	06h33.3	17h459	20h597	16h245.3
25 ago	10 13 51.9	02h01.0	24h50.6	22h27.3	05h07.1	04h38.4	14h48.5	14h219	06h32.7	17h444	20h587	16h246.6
26 ago	10 17 48.4	02h58.9	08h35.2	24h25.3	06h21.4	05h16.6	14h51.1	14h197	06h32.0	17h428	20h577	16h247.3
27 ago	10 21 45.0	03h56.8	22h47.4	26h23.9	07h05.7	05h54.8	14h53.9	14h176	06h31.3	17h412	20h568	16h2465
28 ago	10 25 41.5	04h54.7	07h25.8	28h22.9	08h50.1	06h33.0	14h56.9	14h156	06h30.5	17h396	20h558	16h2437
29 ago	10 29 38.1	05h52.7	22h25.6	00h21.9	10h04.5	07h11.2	15h00.1	14h137	06h29.7	17h380	20h549	16h2386
30 ago	10 33 34.6	06h50.7	07h39.0	02h20.8	11h18.9	07h49.4	15h03.5	14h119	06h28.8	17h364	20h540	16h2314
31 ago	10 37 31.2	07h48.7	22h55.9	04h19.2	12h33.3	08h27.6	15h07.0	14h101	06h27.9	17h348	20h531	16h2227

### Declinação dos Astros

Tropical Ephemeris - quinta-feira, 01 ago 2019 at noon, Greenwich SVP = 04h59.47 True Ayanamsa = 24d 07m 31s  
Julian Day = 2458697.0

Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
01 ago	8 39 14.5	18n00.7	18n50.6	17n44.6	19n50.8	16n05.8	22s07.3	22s14.6	13n14.1	05s35.2	22s10.1	22n16.5
02 ago	8 43 11.1	17n45.4	15n01.9	17n57.9	19n34.1	15n53.7	22s07.3	22s15.1	13n14.2	05s35.7	22s10.4	22n16.8
03 ago	8 47 7.7	17n29.9	10n15.6	18n10.7	19n16.7	15n41.5	22s07.3	22s15.7	13n14.3	05s36.2	22s10.7	22n17.3
04 ago	8 51 4.2	17n14.1	04n55.6	18n22.8	18n58.9	15n29.2	22s07.4	22s16.2	13n14.4	05s36.7	22s11.0	22n17.8
05 ago	8 55 0.8	16n58.0	00s34.9	18n34.2	18n40.5	15n16.8	22s07.4	22s16.7	13n14.5	05s37.2	22s11.3	22n18.2
06 ago	8 58 57.3	16n41.6	05s55.7	18n44.5	18n21.5	15n04.3	22s07.5	22s17.2	13n14.6	05s37.8	22s11.6	22n18.6
07 ago	9 2 53.9	16n25.0	10s49.9	18n53.6	18n02.1	14n51.7	22s07.6	22s17.7	13n14.7	05s38.3	22s11.9	22n18.9
08 ago	9 6 50.4	16n08.1	15s03.8	19n01.4	17n42.1	14n39.0	22s07.7	22s18.2	13n14.7	05s38.9	22s12.2	22n18.9
09 ago	9 10 47.0	15n50.9	18s26.6	19n07.6	17n21.7	14n26.2	22s07.8	22s18.7	13n14.8	05s39.4	22s12.5	22n18.9
10 ago	9 14 43.5	15n33.5	20s50.0	19n12.0	17n00.7	14n13.3	22s08.0	22s19.2	13n14.8	05s40.0	22s12.8	22n18.6
11 ago	9 18 40.1	15n15.8	22s08.6	19n14.6	16n39.3	14n00.3	22s08.2	22s19.7	13n14.8	05s40.5	22s13.1	22n18.4
12 ago	9 22 36.7	14n57.9	22s20.8	19n15.1	16n17.4	13n47.3	22s08.4	22s20.1	13n14.8	05s41.1	22s13.4	22n18.2
13 ago	9 26 33.2	14n39.8	21s28.5	19n13.3	15n55.1	13n34.1	22s08.6	22s20.6	13n14.7	05s41.7	22s13.6	22n18.2
14 ago	9 30 29.8	14n21.4	19s37.4	19n09.2	15n32.4	13n20.9	22s08.8	22s21.0	13n14.7	05s42.2	22s13.9	22n18.4
15 ago	9 34 26.3	14n02.8	16s55.6	19n02.6	15n09.2	13n07.6	22s09.1	22s21.5	13n14.6	05s42.8	22s14.2	22n18.9
16 ago	9 38 22.9	13n44.0	13s32.6	18n53.3	14n45.6	12n54.2	22s09.3	22s21.9	13n14.5	05s43.4	22s14.5	22n19.5
17 ago	9 42 19.4	13n24.9	09s38.2	18n41.3	14n21.5	12n40.7	22s09.6	22s22.3	13n14.4	05s44.0	22s14.7	22n20.3
18 ago	9 46 16.0	13n05.7	05s22.0	18n26.6	13n57.1	12n27.2	22s10.0	22s22.7	13n14.3	05s44.6	22s15.0	22n21.1
19 ago	9 50 12.5	12n46.2	00s53.2	18n09.2	13n32.4	12n13.5	22s10.3	22s23.1	13n14.2	05s45.2	22s15.3	22n21.9
20 ago	9 54 9.1	12n26.5	03n39.4	17n48.9	13n07.2	11n59.8	22s10.7	22s23.5	13n14.0	05s45.8	22s15.5	22n22.6
21 ago	9 58 5.7	12n06.7	08n06.9	17n26.0	12n41.7	11n46.0	22s11.0	22s23.9	13n13.9	05s46.5	22s15.8	22n23.1
22 ago	10 2 2.2	11n46.6	12n19.6	17n00.4	12n15.8	11n32.2	22s11.4	22s24.3	13n13.7	05s47.1	22s16.0	22n23.3
23 ago	10 5 58.8	11n26.4	16n06.1	16n32.3	11n49.6	11n18.2	22s11.9	22s24.6	13n13.5	05s47.7	22s16.3	22n23.3
24 ago	10 9 55.3	11n05.9	19n12.9	16n01.7	11n23.1	11n04.2	22s12.3	22s25.0	13n13.3	05s48.3	22s16.5	22n23.2
25 ago	10 13 51.9	10n45.3	21n24.8	15n29.0	10n56.3	10n50.2	22s12.8	22s25.3	13n13.1	05s49.0	22s16.7	22n23.0
26 ago	10 17 48.4	10n24.6	22n25.8	14n54.1	10n29.2	10n36.0	22s13.2	22s25.7	13n12.8	05s49.6	22s17.0	22n22.9
27 ago	10 21 45.0	10n03.6	22n03.0	14n17.3	10n01.8	10n21.8	22s13.7	22s26.0	13n12.6	05s50.2	22s17.2	22n23.0
28 ago	10 25 41.5	09n42.5	20n10.4	13n38.8	09n34.1	10n07.5	22s14.2	22s26.3	13n12.3	05s50.9	22s17.4	22n23.4
29 ago	10 29 38.1	09n21.3	16n52.4	12n58.7	09n06.1	09n53.2	22s14.8	22s26.6	13n12.0	05s51.5	22s17.7	22n24.0
30 ago	10 33 34.6	08n59.9	12n23.7	12n17.3	08n37.9	09n38.8	22s15.3	22s26.9	13n11.7	05s52.2	22s17.9	22n24.9
31 ago	10 37 31.2	08n38.3	07n06.5	11n34.6	08n09.5	09n24.3	22s15.9	22s27.2	13n11.4	05s52.8	22s18.1	22n26.0



# EFEMÉRIDES CIENTÍFICA E SIMPLIFICADA - ROSACRUZ

## CALCULADA PARA O MEIO-DIA DE GREENWICH

**SETEMBRO DE 2019**

### Longitude dos Astros

Tropical Ephemeris - domingo, 01 set 2019 at noon, Greenwich SVP = 04x59.39 True Ayanamsa = 24d 07m 36s  
Julian Day = 2458728.0

Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
01 set	10 41 27.8	08m46.8	08s05.3	06m17.1	13m47.7	09m05.8	15s10.7	14v085	06 8 269	17 x 331	20 v 522	16s132
02 set	10 45 24.3	09m44.9	22s57.5	08m14.3	15m02.1	09m44.1	15s14.6	14v069	06 8 259	17 x 315	20 v 514	16s041
03 set	10 49 20.9	10m43.0	07m25.2	10m10.7	16m16.5	10m22.3	15s18.6	14v055	06 8 249	17 x 299	20 v 505	15s563
04 set	10 53 17.4	11m41.1	21m24.9	12m06.2	17m30.9	11m00.6	15s22.8	14v041	06 8 238	17 x 282	20 v 497	15s505
05 set	10 57 14.0	12m39.3	04s56.1	14m00.7	18m45.4	11m38.8	15s27.2	14v028	06 8 226	17 x 266	20 v 490	15s470
06 set	11 1 10.5	13m37.4	18s00.8	15m54.2	19m59.8	12m17.1	15s31.8	14v016	06 8 215	17 x 249	20 v 482	15s455
07 set	11 5 7.1	14m35.6	00v42.9	17m46.5	21m14.3	12m55.4	15s36.5	14v005	06 8 202	17 x 233	20 v 475	15s45.6
08 set	11 9 3.6	15m33.8	13v06.7	19m37.8	22m28.7	13m33.6	15s41.4	13v595	06 8 190	17 x 216	20 v 468	15s46.2
09 set	11 13 0.2	16m32.1	25v16.7	21m28.0	23m43.2	14m11.9	15s46.4	13v586	06 8 176	17 x 200	20 v 461	15s46.3
10 set	11 16 56.8	17m30.4	07s17.2	23m17.0	24m57.7	14m50.2	15s51.6	13v578	06 8 163	17 x 183	20 v 455	15s449
11 set	11 20 53.3	18m28.7	19s11.6	25m04.8	26m12.2	15m28.5	15s57.0	13v571	06 8 149	17 x 167	20 v 449	15s411
12 set	11 24 49.9	19m27.0	01x03.1	26m51.6	27m26.6	16m06.8	16s02.5	13v565	06 8 135	17 x 150	20 v 443	15s347
13 set	11 28 46.4	20m25.4	12x54.1	28m37.2	28m41.1	16m45.2	16s08.2	13v560	06 8 120	17 x 134	20 v 437	15s259
14 set	11 32 43.0	21m23.7	24x46.2	00s21.7	29m55.6	17m23.5	16s14.0	13v556	06 8 105	17 x 117	20 v 432	15s152
15 set	11 36 39.5	22m22.2	06x41.1	02s05.0	01s10.1	18m01.9	16s20.0	13v553	06 8 089	17 x 101	20 v 426	15s036
16 set	11 40 36.1	23m20.6	18x40.1	03s47.3	02s24.6	18m40.2	16s26.1	13v550	06 8 073	17 x 084	20 v 422	14s524
17 set	11 44 32.6	24m19.1	00 8 44.8	05s28.6	03s39.1	19m18.6	16s32.4	13v549	06 8 057	17 x 068	20 v 417	14s425
18 set	11 48 29.2	25m17.6	12 8 57.0	07s08.8	04s53.7	19m57.0	16s38.9	13v549	06 8 041	17 x 052	20 v 413	14s349
19 set	11 52 25.8	26m16.2	25 8 19.3	08s47.9	06s08.2	20m35.4	16s45.5	13v54.9	06 8 024	17 x 035	20 v 408	14s299
20 set	11 56 22.3	27m14.8	07 8 54.7	10s26.0	07s22.7	21m13.8	16s52.2	13v55.1	06 8 006	17 x 019	20 v 405	14s273
21 set	12 0 18.9	28m13.4	20 8 46.5	12s03.1	08s37.3	21m52.2	16s59.1	13v55.4	05 8 588	17 x 003	20 v 401	14s266
22 set	12 4 15.4	29m12.1	03s58.4	13s39.3	09s51.8	22m30.7	17s06.1	13v55.7	05 8 570	16 x 587	20 v 398	14s26.6
23 set	12 8 12.0	00s10.8	17s33.7	15s14.5	11s06.4	23m09.1	17s13.3	13v56.2	05 8 552	16 x 571	20 v 395	14s263
24 set	12 12 8.5	01s09.5	01 8 34.6	16s48.7	12s20.9	23m47.6	17s20.6	13v56.8	05 8 533	16 x 555	20 v 392	14s245
25 set	12 16 5.1	02s08.3	16 8 01.4	18s21.9	13s35.5	24m26.1	17s28.0	13v57.4	05 8 514	16 x 539	20 v 390	14s203
26 set	12 20 1.6	03s07.1	00m51.5	19s54.2	14s50.1	25m04.6	17s35.6	13v58.2	05 8 495	16 x 523	20 v 388	14s133
27 set	12 23 58.2	04s06.0	15m58.7	21s25.6	16s04.6	25m43.1	17s43.4	13v59.0	05 8 475	16 x 508	20 v 386	14s037
28 set	12 27 54.8	05s04.8	01s14.0	22s56.1	17s19.2	26m21.7	17s51.2	14v00.0	05 8 455	16 x 492	20 v 385	13s521
29 set	12 31 51.3	06s03.8	16s26.3	24s25.6	18s33.8	27m00.2	17s59.2	14v01.1	05 8 435	16 x 477	20 v 383	13s395
30 set	12 35 47.9	07s02.7	01m24.9	25s54.2	19s48.4	27m38.8	18s07.4	14v02.2	05 8 414	16 x 462	20 v 382	13s271

### Declinação dos Astros

Tropical Ephemeris - domingo, 01 set 2019 at noon, Greenwich SVP = 04x59.39 True Ayanamsa = 24d 07m 36s  
Julian Day = 2458728.0

Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
01 set	10 41 27.8	08n16.6	01n26.1	10n50.9	07n40.9	09n09.8	22s16.5	22s27.5	13n11.1	05s53.4	22s18.3	22n27.1
02 set	10 45 24.3	07n54.8	04s12.8	10n06.3	07n12.0	08n55.2	22s17.1	22s27.7	13n10.7	05s54.1	22s18.5	22n28.2
03 set	10 49 20.9	07n32.9	09s29.0	09n20.9	06n42.9	08n40.6	22s17.7	22s28.0	13n10.4	05s54.7	22s18.7	22n29.1
04 set	10 53 17.4	07n10.8	14s05.3	08n35.0	06n13.7	08n25.9	22s18.3	22s28.2	13n10.0	05s55.4	22s18.9	22n29.8
05 set	10 57 14.0	06n48.6	17s48.7	07n48.5	05n44.3	08n11.2	22s18.9	22s28.5	13n09.6	05s56.1	22s19.1	22n30.2
06 set	11 1 10.5	06n26.3	20s30.3	07n01.6	05n14.7	07n56.4	22s19.6	22s28.7	13n09.2	05s56.7	22s19.3	22n30.4
07 set	11 5 7.1	06n03.9	22s05.2	06n14.5	04n44.9	07n41.6	22s20.3	22s28.9	13n08.8	05s57.4	22s19.5	22n30.4
08 set	11 9 3.6	05n41.4	22s32.2	05n27.2	04n15.0	07n26.7	22s21.0	22s29.1	13n08.4	05s58.0	22s19.7	22n30.3
09 set	11 13 0.2	05n18.8	21s53.4	04n39.7	03n45.0	07n11.8	22s21.7	22s29.3	13n07.9	05s58.7	22s19.9	22n30.3
10 set	11 16 56.8	04n56.2	20s14.5	03n52.3	03n14.9	06n56.8	22s22.4	22s29.5	13n07.5	05s59.3	22s20.1	22n30.5
11 set	11 20 53.3	04n33.4	17s42.9	03n04.8	02n44.7	06n41.8	22s23.1	22s29.7	13n07.0	05s60.0	22s20.3	22n30.9
12 set	11 24 49.9	04n10.6	14s27.6	02n17.5	02n14.4	06n26.7	22s23.8	22s29.8	13n06.5	06s00.6	22s20.4	22n31.6
13 set	11 28 46.4	03n47.6	10s38.2	01n30.3	01n44.0	06n11.7	22s24.6	22s30.0	13n06.0	06s01.3	22s20.6	22n32.7
14 set	11 32 43.0	03n24.7	06s24.2	00n43.3	01n13.5	05n56.5	22s25.4	22s30.1	13n05.5	06s01.9	22s20.8	22n33.9
15 set	11 36 39.5	03n01.6	01s55.0	00s03.5	00n43.0	05n41.4	22s26.1	22s30.3	13n05.0	06s02.6	22s20.9	22n35.2
16 set	11 40 36.1	02n38.5	02n40.2	00s49.9	00n12.5	05n26.1	22s26.9	22s30.4	13n04.4	06s03.2	22s21.1	22n36.4
17 set	11 44 32.6	02n15.4	07n11.7	01s36.1	00n18.1	05n10.9	22s27.7	22s30.5	13n03.9	06s03.9	22s21.2	22n37.5
18 set	11 48 29.2	01n52.2	11n29.5	02s21.8	00s48.7	04n55.6	22s28.5	22s30.6	13n03.3	06s04.5	22s21.4	22n38.3
19 set	11 52 25.8	01n29.0	15n22.8	03s07.2	01s19.3	04n40.3	22s29.3	22s30.7	13n02.8	06s05.1	22s21.5	22n38.9
20 set	11 56 22.3	01n05.7	18n39.2	03s52.2	01s49.9	04n25.0	22s30.1	22s30.8	13n02.2	06s05.8	22s21.6	22n39.2
21 set	12 0 18.9	00n42.4	21n05.4	04s36.7	02s20.5	04n09.6	22s30.9	22s30.9	13n01.6	06s06.4	22s21.8	22n39.2
22 set	12 4 15.4	00n19.1	22n27.6	05s20.7	02s51.0	03n54.2	22s31.8	22s30.9	13n01.0	06s07.0	22s21.9	22n39.2
23 set	12 8 12.0	00s04.3	22n33.6	06s04.2	03s21.5	03n38.8	22s32.6	22s31.0	13n00.4	06s07.7	22s22.0	22n39.3
24 set	12 12 8.5	00s27.6	21n15.7	06s47.2	03s52.0	03n23.4	22s33.5	22s31.0	12n59.7	06s08.3	22s22.1	22n39.5
25 set	12 16 5.1	00s51.0	18n33.5	07s29.6	04s22.4	03n07.9	22s34.3	22s31.0	12n59.1	06s08.9	22s22.2	22n39.9
26 set	12 20 1.6	01s14.4	14n34.9	08s11.4	04s52.7	02n52.4	22s35.2	22s31.1	12n58.4	06s09.5	22s22.4	22n40.7
27 set	12 23 58.2	01s37.7	09n36.3	08s52.7	05s22.9	02n36.9	22s36.0	22s31.1	12n57.8	06s10.1	22s22.5	22n41.7
28 set	12 27 54.8	02s01.1	03n59.6	09s33.3	05s53.0	02n21.4	22s36.9	22s31.1	12n57.1	06s10.7	22s22.6	22n42.9
29 set	12 31 51.3	02s24.4	01s50.5	10s13.2	06s23.0	02n05.9	22s37.8	22s31.1	12n56.4	06s11.3	22s22.7	22n44.2
30 set	12 35 47.9	02s47.8	07s29.2	10s52.5	06s52.9	01n50.3	22s38.6	22s31.0	12n55.8	06s11.9	22s22.7	22n45.4

# EFEMÉRIDES CIENTÍFICA E SIMPLIFICADA - ROSACRUZ

## CALCULADA PARA O MEIO-DIA DE GREENWICH

OUTUBRO DE 2019

### Longitude dos Astros

Tropical Ephemeris - terΨa-feira, 01 out 2019 at noon, Greenwich SVP = 04h59.31 True Ayanamsa = 24d 07m 40s  
Julian Day = 2458758.0

Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	ll. Node
	h m s	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
01 out	12 39 44.4	08 <sup>h</sup> 01.7	16 <sup>m</sup> 00.9	27 <sup>s</sup> 21.8	21 <sup>h</sup> 03.0	28 <sup>m</sup> 17.3	18 <sup>s</sup> 15.6	14 <sup>h</sup> 03.5	05 8 394	16 4 446	20 382	13 <sup>h</sup> 161
02 out	12 43 41.0	09 <sup>h</sup> 00.7	00 <sup>m</sup> 08.7	28 <sup>s</sup> 48.5	22 <sup>h</sup> 17.6	28 <sup>m</sup> 55.9	18 <sup>s</sup> 24.0	14 <sup>h</sup> 04.8	05 8 372	16 4 431	20 381	13 <sup>h</sup> 074
03 out	12 47 37.5	09 <sup>h</sup> 59.8	13 <sup>m</sup> 46.5	00 <sup>m</sup> 14.2	23 <sup>h</sup> 32.2	29 <sup>m</sup> 34.5	18 <sup>s</sup> 32.5	14 <sup>h</sup> 06.3	05 8 351	16 4 417	20 381	13 <sup>h</sup> 014
04 out	12 51 34.1	10 <sup>h</sup> 58.8	26 <sup>m</sup> 55.5	01 <sup>m</sup> 38.9	24 <sup>h</sup> 46.8	00 <sup>m</sup> 13.1	18 <sup>s</sup> 41.2	14 <sup>h</sup> 07.8	05 8 329	16 4 402	20 382	12 <sup>h</sup> 581
05 out	12 55 30.6	11 <sup>h</sup> 57.9	09 <sup>m</sup> 39.1	03 <sup>m</sup> 02.7	26 <sup>h</sup> 01.3	00 <sup>m</sup> 51.8	18 <sup>s</sup> 50.0	14 <sup>h</sup> 09.5	05 8 308	16 4 387	20 382	12 <sup>h</sup> 569
06 out	12 59 27.2	12 <sup>h</sup> 57.1	22 <sup>m</sup> 02.2	04 <sup>m</sup> 25.4	27 <sup>h</sup> 15.9	01 <sup>m</sup> 30.4	18 <sup>s</sup> 58.8	14 <sup>h</sup> 11.2	05 8 286	16 4 373	20 383	12 <sup>h</sup> 567
07 out	13 3 23.8	13 <sup>h</sup> 56.2	04 <sup>m</sup> 09.8	05 <sup>m</sup> 47.0	28 <sup>h</sup> 30.5	02 <sup>m</sup> 09.1	19 <sup>s</sup> 07.9	14 <sup>h</sup> 13.0	05 8 263	16 4 359	20 384	12 <sup>h</sup> 563
08 out	13 7 20.3	14 <sup>h</sup> 55.4	16 <sup>m</sup> 07.2	07 <sup>m</sup> 07.5	29 <sup>h</sup> 45.1	02 <sup>m</sup> 47.7	19 <sup>s</sup> 17.0	14 <sup>h</sup> 15.0	05 8 241	16 4 344	20 386	12 <sup>h</sup> 546
09 out	13 11 16.9	15 <sup>h</sup> 54.6	27 <sup>m</sup> 58.9	08 <sup>m</sup> 26.8	00 <sup>m</sup> 59.7	03 <sup>m</sup> 26.4	19 <sup>s</sup> 26.2	14 <sup>h</sup> 17.0	05 8 218	16 4 317	20 388	12 <sup>h</sup> 506
10 out	13 15 13.4	16 <sup>h</sup> 53.9	09 <sup>m</sup> 48.9	09 <sup>m</sup> 44.9	02 <sup>m</sup> 14.3	04 <sup>m</sup> 05.1	19 <sup>s</sup> 35.6	14 <sup>h</sup> 19.1	05 8 195	16 4 311	20 390	12 <sup>h</sup> 440
11 out	13 19 10.0	17 <sup>h</sup> 53.2	21 <sup>m</sup> 40.5	11 <sup>m</sup> 01.7	03 <sup>m</sup> 28.8	04 <sup>m</sup> 43.8	19 <sup>s</sup> 45.1	14 <sup>h</sup> 21.3	05 8 172	16 4 303	20 392	12 <sup>h</sup> 346
12 out	13 23 6.5	18 <sup>h</sup> 52.5	03 <sup>m</sup> 36.1	12 <sup>m</sup> 17.1	04 <sup>m</sup> 43.4	05 <sup>m</sup> 22.6	19 <sup>s</sup> 54.6	14 <sup>h</sup> 23.6	05 8 149	16 4 290	20 395	12 <sup>h</sup> 232
13 out	13 27 3.1	19 <sup>h</sup> 51.8	15 <sup>m</sup> 37.4	13 <sup>m</sup> 31.0	05 <sup>m</sup> 58.0	06 <sup>m</sup> 01.3	20 <sup>s</sup> 04.3	14 <sup>h</sup> 26.0	05 8 125	16 4 277	20 398	12 <sup>h</sup> 108
14 out	13 30 59.6	20 <sup>h</sup> 51.2	27 <sup>m</sup> 45.5	14 <sup>m</sup> 43.4	07 <sup>m</sup> 12.5	06 <sup>m</sup> 40.1	20 <sup>s</sup> 14.1	14 <sup>h</sup> 28.5	05 8 102	16 4 264	20 401	11 <sup>h</sup> 584
15 out	13 34 56.2	21 <sup>h</sup> 50.7	10 <sup>m</sup> 01.3	15 <sup>m</sup> 54.0	08 <sup>m</sup> 27.1	07 <sup>m</sup> 18.9	20 <sup>s</sup> 24.1	14 <sup>h</sup> 31.1	05 8 078	16 4 251	20 404	11 <sup>h</sup> 474
16 out	13 38 52.8	22 <sup>h</sup> 50.1	22 <sup>m</sup> 25.5	17 <sup>m</sup> 02.9	09 <sup>m</sup> 41.7	07 <sup>m</sup> 57.7	20 <sup>s</sup> 34.1	14 <sup>h</sup> 33.8	05 8 054	16 4 238	20 408	11 <sup>h</sup> 386
17 out	13 42 49.3	23 <sup>h</sup> 49.6	04 <sup>m</sup> 59.2	18 <sup>m</sup> 09.7	10 <sup>m</sup> 56.3	08 <sup>m</sup> 36.5	20 <sup>s</sup> 44.2	14 <sup>h</sup> 36.6	05 8 030	16 4 226	20 412	11 <sup>h</sup> 325
18 out	13 46 45.9	24 <sup>h</sup> 49.1	17 <sup>m</sup> 44.0	19 <sup>m</sup> 14.4	12 <sup>m</sup> 10.8	09 <sup>m</sup> 15.3	20 <sup>s</sup> 54.4	14 <sup>h</sup> 39.4	05 8 006	16 4 214	20 417	11 <sup>h</sup> 291
19 out	13 50 42.4	25 <sup>h</sup> 48.7	00 <sup>m</sup> 41.8	20 <sup>m</sup> 16.7	13 <sup>m</sup> 25.4	09 <sup>m</sup> 54.2	21 <sup>s</sup> 04.8	14 <sup>h</sup> 42.4	04 8 582	16 4 202	20 421	11 <sup>h</sup> 278
20 out	13 54 39.0	26 <sup>h</sup> 48.3	13 <sup>m</sup> 55.0	21 <sup>m</sup> 16.3	14 <sup>m</sup> 40.0	10 <sup>m</sup> 33.0	21 <sup>s</sup> 15.2	14 <sup>h</sup> 45.4	04 8 558	16 4 191	20 426	11 <sup>h</sup> 277
21 out	13 58 35.5	27 <sup>h</sup> 47.9	27 <sup>m</sup> 26.2	22 <sup>m</sup> 13.1	15 <sup>m</sup> 54.5	11 <sup>m</sup> 11.9	21 <sup>s</sup> 25.7	14 <sup>h</sup> 48.5	04 8 534	16 4 179	20 432	11 <sup>h</sup> 277
22 out	14 2 32.1	28 <sup>h</sup> 47.6	11 <sup>m</sup> 17.4	23 <sup>m</sup> 06.8	17 <sup>m</sup> 09.1	11 <sup>m</sup> 50.8	21 <sup>s</sup> 36.3	14 <sup>h</sup> 51.7	04 8 509	16 4 168	20 437	11 <sup>h</sup> 266
23 out	14 6 28.6	29 <sup>h</sup> 47.3	25 <sup>m</sup> 29.4	23 <sup>m</sup> 56.9	18 <sup>m</sup> 23.7	12 <sup>m</sup> 29.8	21 <sup>s</sup> 47.1	14 <sup>h</sup> 55.0	04 8 485	16 4 157	20 443	11 <sup>h</sup> 235
24 out	14 10 25.2	00 <sup>m</sup> 47.1	10 <sup>m</sup> 01.2	24 <sup>m</sup> 43.2	19 <sup>m</sup> 38.2	13 <sup>m</sup> 08.7	21 <sup>s</sup> 57.9	14 <sup>h</sup> 58.4	04 8 460	16 4 146	20 449	11 <sup>h</sup> 179
25 out	14 14 21.7	01 <sup>m</sup> 46.9	24 <sup>m</sup> 48.8	25 <sup>m</sup> 25.1	20 <sup>m</sup> 52.8	13 <sup>m</sup> 47.7	22 <sup>s</sup> 08.8	15 <sup>h</sup> 01.9	04 8 435	16 4 136	20 456	11 <sup>h</sup> 099
26 out	14 18 18.3	02 <sup>m</sup> 46.7	09 <sup>m</sup> 45.9	26 <sup>m</sup> 02.4	22 <sup>m</sup> 07.4	14 <sup>m</sup> 26.7	22 <sup>s</sup> 19.8	15 <sup>h</sup> 05.4	04 8 411	16 4 126	20 463	10 <sup>h</sup> 598
27 out	14 22 14.9	03 <sup>m</sup> 46.6	24 <sup>m</sup> 43.6	26 <sup>m</sup> 34.4	23 <sup>m</sup> 22.0	15 <sup>m</sup> 05.7	22 <sup>s</sup> 30.9	15 <sup>h</sup> 09.1	04 8 386	16 4 116	20 470	10 <sup>h</sup> 487
28 out	14 26 11.4	04 <sup>m</sup> 46.5	09 <sup>m</sup> 32.6	27 <sup>m</sup> 00.6	24 <sup>m</sup> 36.5	15 <sup>m</sup> 44.7	22 <sup>s</sup> 42.1	15 <sup>h</sup> 12.8	04 8 361	16 4 106	20 477	10 <sup>h</sup> 376
29 out	14 30 8.0	05 <sup>m</sup> 46.4	24 <sup>m</sup> 04.1	27 <sup>m</sup> 20.4	25 <sup>m</sup> 51.1	16 <sup>m</sup> 23.8	22 <sup>s</sup> 53.3	15 <sup>h</sup> 16.6	04 8 337	16 4 097	20 485	10 <sup>h</sup> 277
30 out	14 34 4.5	06 <sup>m</sup> 46.4	08 <sup>m</sup> 11.9	27 <sup>m</sup> 33.2	27 <sup>m</sup> 05.7	17 <sup>m</sup> 02.8	23 <sup>s</sup> 04.7	15 <sup>h</sup> 20.5	04 8 312	16 4 088	20 493	10 <sup>h</sup> 197
31 out	14 38 1.1	07 <sup>m</sup> 46.4	21 <sup>m</sup> 52.7	27 <sup>m</sup> 38.5	28 <sup>m</sup> 20.2	17 <sup>m</sup> 41.9	23 <sup>s</sup> 16.1	15 <sup>h</sup> 24.5	04 8 288	16 4 079	20 501	10 <sup>h</sup> 143

### Declinação dos Astros

Tropical Ephemeris - terΨa-feira, 01 out 2019 at noon, Greenwich SVP = 04h59.31 True Ayanamsa = 24d 07m 40s  
Julian Day = 2458758.0

Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	ll. Node
	h m s	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
01 out	12 39 44.4	03 <sup>h</sup> 51.1	12 <sup>m</sup> 34.5	11 <sup>s</sup> 31.1	07 <sup>h</sup> 22.6	01 <sup>m</sup> 34.7	22 <sup>s</sup> 39.5	22 <sup>h</sup> 31.0	12 <sup>n</sup> 55.1	06 <sup>s</sup> 12.5	22 <sup>h</sup> 22.8	22 <sup>n</sup> 46.5
02 out	12 43 41.0	03 <sup>h</sup> 54.3	16 <sup>m</sup> 48.7	12 <sup>s</sup> 09.0	07 <sup>h</sup> 52.2	01 <sup>m</sup> 19.2	22 <sup>s</sup> 40.4	22 <sup>h</sup> 31.0	12 <sup>n</sup> 54.4	06 <sup>s</sup> 13.1	22 <sup>h</sup> 22.9	22 <sup>n</sup> 47.4
03 out	12 47 37.5	03 <sup>h</sup> 57.5	19 <sup>m</sup> 59.3	12 <sup>s</sup> 46.2	08 <sup>h</sup> 21.6	01 <sup>m</sup> 03.6	22 <sup>s</sup> 41.3	22 <sup>h</sup> 30.9	12 <sup>n</sup> 53.6	06 <sup>s</sup> 13.6	22 <sup>h</sup> 23.0	22 <sup>n</sup> 48.0
04 out	12 51 34.1	04 <sup>h</sup> 00.7	21 <sup>m</sup> 59.0	13 <sup>s</sup> 22.5	08 <sup>h</sup> 50.8	00 <sup>m</sup> 48.0	22 <sup>s</sup> 42.1	22 <sup>h</sup> 30.8	12 <sup>n</sup> 52.9	06 <sup>s</sup> 14.2	22 <sup>h</sup> 23.1	22 <sup>n</sup> 48.3
05 out	12 55 30.6	04 <sup>h</sup> 03.8	22 <sup>m</sup> 46.3	13 <sup>s</sup> 58.1	09 <sup>h</sup> 19.8	00 <sup>m</sup> 32.4	22 <sup>s</sup> 43.0	22 <sup>h</sup> 30.8	12 <sup>n</sup> 52.2	06 <sup>s</sup> 14.8	22 <sup>h</sup> 23.1	22 <sup>n</sup> 48.4
06 out	12 59 27.2	05 <sup>h</sup> 06.9	22 <sup>m</sup> 23.9	14 <sup>s</sup> 32.9	09 <sup>h</sup> 48.6	00 <sup>m</sup> 16.8	22 <sup>s</sup> 43.9	22 <sup>h</sup> 30.7	12 <sup>n</sup> 51.5	06 <sup>s</sup> 15.3	22 <sup>h</sup> 23.2	22 <sup>n</sup> 48.4
07 out	13 3 23.8	05 <sup>h</sup> 09.8	20 <sup>m</sup> 58.1	15 <sup>s</sup> 06.8	10 <sup>h</sup> 17.2	00 <sup>m</sup> 01.1	22 <sup>s</sup> 44.8	22 <sup>h</sup> 30.6	12 <sup>n</sup> 50.7	06 <sup>s</sup> 15.9	22 <sup>h</sup> 23.2	22 <sup>n</sup> 48.5
08 out	13 7 20.3	05 <sup>h</sup> 52.8	18 <sup>m</sup> 37.1	15 <sup>s</sup> 39.8	10 <sup>h</sup> 45.6	00 <sup>m</sup> 14.5	22 <sup>s</sup> 45.7	22 <sup>h</sup> 30.5	12 <sup>n</sup> 50.0	06 <sup>s</sup> 16.4	22 <sup>h</sup> 23.3	22 <sup>n</sup> 48.6
09 out	13 11 16.9	06 <sup>h</sup> 15.6	15 <sup>m</sup> 30.1	16 <sup>s</sup> 11.9	11 <sup>h</sup> 13.7	00 <sup>m</sup> 30.1	22 <sup>s</sup> 46.5	22 <sup>h</sup> 30.3	12 <sup>n</sup> 49.2	06 <sup>s</sup> 16.9	22 <sup>h</sup> 23.3	22 <sup>n</sup> 49.0
10 out	13 15 13.4	06 <sup>h</sup> 38.3	11 <sup>m</sup> 46.4	16 <sup>s</sup> 43.1	11 <sup>h</sup> 41.6	00 <sup>m</sup> 45.7	22 <sup>s</sup> 47.4	22 <sup>h</sup> 30.2	12 <sup>n</sup> 48.4	06 <sup>s</sup> 17.5	22 <sup>h</sup> 23.4	22 <sup>n</sup> 49.6
11 out	13 19 10.0	07 <sup>h</sup> 01.0	07 <sup>m</sup> 35.3	17 <sup>s</sup> 13.3	12 <sup>h</sup> 09.1	01 <sup>m</sup> 01.3	22 <sup>s</sup> 48.3	22 <sup>h</sup> 30.1	12 <sup>n</sup> 47.7	06 <sup>s</sup> 18.0	22 <sup>h</sup> 23.4	22 <sup>n</sup> 50.5
12 out	13 23 6.5	07 <sup>h</sup> 23.6	03 <sup>m</sup> 05.8	17 <sup>s</sup> 42.5	12 <sup>h</sup> 36.4	01 <sup>m</sup> 16.9	22 <sup>s</sup> 49.1	22 <sup>h</sup> 29.9	12 <sup>n</sup> 46.9	06 <sup>s</sup> 18.5	22 <sup>h</sup> 23.5	22 <sup>n</sup> 51.6
13 out	13 27 3.1	07 <sup>h</sup> 46.0	01 <sup>m</sup> 32.8	18 <sup>s</sup> 10.6	13 <sup>h</sup> 03.4	01 <sup>m</sup> 32.5	22 <sup>s</sup> 50.0	22 <sup>h</sup> 29.8	12 <sup>n</sup> 46.1	06 <sup>s</sup> 19.0	22 <sup>h</sup> 23.5	22 <sup>n</sup> 52.7
14 out	13 30 59.6	08 <sup>h</sup> 08.4	06 <sup>m</sup> 10.8	18 <sup>s</sup> 37.6	13 <sup>h</sup> 30.1	01 <sup>m</sup> 48.1	22 <sup>s</sup> 50.8	22 <sup>h</sup> 29.6	12 <sup>n</sup> 45.3	06 <sup>s</sup> 19.5	22 <sup>h</sup> 23.5	22 <sup>n</sup> 53.8
15 out	13 34 56.2	08 <sup>h</sup> 30.6	10 <sup>m</sup> 37.7	19 <sup>s</sup> 03.5	13 <sup>h</sup> 56.5	02 <sup>m</sup> 03.7	22 <sup>s</sup> 51.7	22 <sup>h</sup> 29.4	12 <sup>n</sup> 44.5	06 <sup>s</sup> 20.0	22 <sup>h</sup> 23.5	22 <sup>n</sup> 54.8
16 out	13 38 52.8	08 <sup>h</sup> 52.8	14 <sup>m</sup> 41.8	19 <sup>s</sup> 28.2	14 <sup>h</sup> 22.5	02 <sup>m</sup> 19.3	22 <sup>s</sup> 52.5	22 <sup>h</sup> 29.2	12 <sup>n</sup> 43.8	06 <sup>s</sup> 20.5	22 <sup>h</sup> 23.6	22 <sup>n</sup> 55.6
17 out	13 42 49.3	09 <sup>h</sup> 14.8	18 <sup>m</sup> 10.7	19 <sup>s</sup> 51.6	14 <sup>h</sup> 48.2	02 <sup>m</sup> 34.8	22 <sup>s</sup> 53.4	22 <sup>h</sup> 29.0	12 <sup>n</sup> 43.0	06 <sup>s</sup> 20.9	22 <sup>h</sup> 23.6	22 <sup>n</sup> 56.1
18 out	13 46 45.9	09 <sup>h</sup> 36.6	20 <sup>m</sup> 50.9	20 <sup>s</sup> 13.7	15 <sup>h</sup> 13.5	02 <sup>m</sup> 50.4	22 <sup>s</sup> 54.2	22 <sup>h</sup> 28.8	12 <sup>n</sup> 42.2	06 <sup>s</sup> 21.4	22 <sup>h</sup> 23.6	22 <sup>n</sup> 56.4
19 out	13 50 42.4	09 <sup>h</sup> 58.4	22 <sup>m</sup> 29.6	20 <sup>s</sup> 34.5	15 <sup>h</sup> 38.4	03 <sup>m</sup> 05.9	22 <sup>s</sup> 55.0	22 <sup>h</sup> 28.5	12 <sup>n</sup> 41.3	06 <sup>s</sup> 21.8	22 <sup>h</sup> 23.6	22 <sup>n</sup> 56.5
20 out	13 54 39.0	10 <sup>h</sup> 20.0	22 <sup>m</sup> 55.8	20 <sup>s</sup> 53.8	16 <sup>h</sup> 03.0	03 <sup>m</sup> 21.4	22 <sup>s</sup> 55.9	22 <sup>h</sup> 28.3	12 <sup>n</sup> 40.5	06 <sup>s</sup> 22.3	22 <sup>h</sup> 23.6	22 <sup>n</sup> 56.5
21 out	13 58 35.5	10 <sup>h</sup> 41.4	22 <sup>m</sup> 02.6	21 <sup>s</sup> 11.5	16 <sup>h</sup> 27.1	03 <sup>m</sup> 36.9	22 <sup>s</sup> 56.7	22 <sup>h</sup> 28.0	12 <sup>n</sup> 39.7	06 <sup>s</sup> 22.7	22 <sup>h</sup> 23.6	22 <sup>n</sup> 56.5
22 out	14 2 32.1	11 <sup>h</sup> 02.7	19 <sup>m</sup> 48.8	21 <sup>s</sup> 27.6	16 <sup>h</sup> 50.9	03 <sup>m</sup> 52.4	22 <sup>s</sup> 57.5	22 <sup>h</sup> 27.8	12 <sup>n</sup> 38.9	06 <sup>s</sup> 23.1	22 <sup>h</sup> 23.6	22 <sup>n</sup> 56.6
23 out	14 6 28.6	11 <sup>h</sup> 23.8	16 <sup>m</sup> 20.1	21 <sup>s</sup> 42.0	17 <sup>h</sup> 14.2	04 <sup>m</sup> 07.9	22 <sup>s</sup> 58.3	22 <sup>h</sup> 27.5	12 <sup>n</sup> 38.1	06 <sup>s</sup> 23.5	22 <sup>h</sup> 23.5	22 <sup>n</sup> 56.9
24 out	14 10 25.2	11 <sup>h</sup> 44.7	11 <sup>m</sup> 48.2	21 <sup>s</sup> 54.6	17 <sup>h</sup> 37.0	04 <sup>m</sup> 23.3	22 <sup>s</sup> 59.1	22				



# EFEMÉRIDES CIENTÍFICA E SIMPLIFICADA - ROSACRUZ

## CALCULADA PARA O MEIO-DIA DE GREENWICH

### NOVEMBRO DE 2019

### Longitude dos Astros

Tropical Ephemeris - sexta-feira, 01 nov 2019 at noon, Greenwich SVP = 04x59.23 True Ayanamsa = 24d 07m 45s  
Julian Day = 2458789.0

Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
01 nov	14 41 57.6	08 m 46.4	05 v 05.9	27 m 355	29 m 34.8	18 = 21.0	23 / 27.6	15 v 28.5	04 8 263	16 x 071	20 v 50.9	10 5 113
02 nov	14 45 54.2	09 m 46.4	17 v 53.9	27 m 238	00 / 49.3	19 = 00.1	23 / 39.2	15 v 32.7	04 8 238	16 x 062	20 v 51.8	10 5 105
03 nov	14 49 50.7	10 m 46.5	00 = 20.4	27 m 028	02 / 03.9	19 = 39.3	23 / 50.9	15 v 36.9	04 8 214	16 x 054	20 v 52.7	10 5 10.9
04 nov	14 53 47.3	11 m 46.6	12 = 30.4	26 m 322	03 / 18.4	20 = 18.4	24 / 02.7	15 v 41.2	04 8 190	16 x 047	20 v 53.7	10 5 11.4
05 nov	14 57 43.9	12 m 46.7	24 = 28.9	25 m 520	04 / 33.0	20 = 57.6	24 / 14.5	15 v 45.5	04 8 165	16 x 039	20 v 54.6	10 5 11.2
06 nov	15 1 40.4	13 m 46.9	06 x 21.1	25 m 024	05 / 47.5	21 = 36.8	24 / 26.4	15 v 50.0	04 8 141	16 x 032	20 v 55.6	10 5 09.4
07 nov	15 5 37.0	14 m 47.0	18 x 11.9	24 m 038	07 / 02.0	22 = 16.0	24 / 38.4	15 v 54.5	04 8 117	16 x 026	20 v 56.6	10 5 05.4
08 nov	15 9 33.5	15 m 47.2	00 v 05.4	22 m 573	08 / 16.5	22 = 55.2	24 / 50.4	15 v 59.1	04 8 093	16 x 019	20 v 57.7	09 5 59.3
09 nov	15 13 30.1	16 m 47.5	12 v 05.0	21 m 444	09 / 31.0	23 = 34.4	25 / 02.5	16 v 03.7	04 8 069	16 x 013	20 v 58.7	09 5 51.5
10 nov	15 17 26.6	17 m 47.7	24 v 13.4	20 m 269	10 / 45.5	24 = 13.7	25 / 14.7	16 v 08.4	04 8 045	16 x 007	20 v 59.8	09 5 42.7
11 nov	15 21 23.2	18 m 48.0	06 8 32.0	19 m 071	12 / 00.0	24 = 53.0	25 / 27.0	16 v 13.2	04 8 022	16 x 002	21 v 00.9	09 5 33.8
12 nov	15 25 19.7	19 m 48.3	19 8 01.8	17 m 476	13 / 14.5	25 = 32.3	25 / 39.3	16 v 18.1	03 8 598	15 x 597	21 v 02.1	09 5 25.8
13 nov	15 29 16.3	20 m 48.7	01 x 43.1	16 m 310	14 / 29.0	26 = 11.6	25 / 51.7	16 v 23.1	03 8 575	15 x 592	21 v 03.2	09 5 19.5
14 nov	15 33 12.9	21 m 49.0	14 x 35.7	15 m 197	15 / 43.4	26 = 50.9	26 / 04.1	16 v 28.1	03 8 552	15 x 587	21 v 04.4	09 5 15.3
15 nov	15 37 9.4	22 m 49.4	27 x 39.6	14 m 160	16 / 57.9	27 = 30.3	26 / 16.6	16 v 33.1	03 8 529	15 x 583	21 v 05.7	09 5 13.2
16 nov	15 41 6.0	23 m 49.9	10 5 54.8	13 m 216	18 / 12.4	28 = 09.7	26 / 29.2	16 v 38.3	03 8 506	15 x 579	21 v 06.9	09 5 13.0
17 nov	15 45 2.5	24 m 50.3	24 5 21.6	12 m 379	19 / 26.8	28 = 49.1	26 / 41.8	16 v 43.5	03 8 483	15 x 576	21 v 08.2	09 5 13.9
18 nov	15 48 59.1	25 m 50.8	08 7 00.5	12 m 056	20 / 41.2	29 = 28.5	26 / 54.5	16 v 48.7	03 8 461	15 x 573	21 v 09.5	09 5 15.1
19 nov	15 52 55.6	26 m 51.3	21 7 52.0	11 m 450	21 / 55.7	00 m 08.0	27 / 07.2	16 v 54.1	03 8 439	15 x 570	21 v 10.8	09 5 15.8
20 nov	15 56 52.2	27 m 51.9	05 m 56.2	11 m 360	23 / 10.1	00 m 47.4	27 / 20.0	16 v 59.5	03 8 417	15 x 567	21 v 12.1	09 5 15.2
21 nov	16 0 48.7	28 m 52.5	20 m 11.9	11 m 38.2	24 / 24.5	01 m 26.9	27 / 32.8	17 v 04.9	03 8 395	15 x 565	21 v 13.5	09 5 13.0
22 nov	16 4 45.3	29 m 53.1	04 = 37.0	11 m 50.9	25 / 39.0	02 m 06.4	27 / 45.7	17 v 10.4	03 8 374	15 x 563	21 v 14.9	09 5 09.1
23 nov	16 8 41.9	00 / 53.7	19 = 07.5	12 m 13.5	26 / 53.4	02 m 46.0	27 / 58.7	17 v 16.0	03 8 353	15 x 562	21 v 16.3	09 5 03.9
24 nov	16 12 38.4	01 / 54.4	03 m 37.9	12 m 44.8	28 / 07.8	03 m 25.5	28 / 11.7	17 v 21.7	03 8 332	15 x 560	21 v 17.7	08 5 57.8
25 nov	16 16 35.0	02 / 55.1	18 m 02.1	13 m 24.2	29 / 22.2	04 m 05.1	28 / 24.7	17 v 27.4	03 8 311	15 x 560	21 v 19.1	08 5 51.7
26 nov	16 20 31.5	03 / 55.8	02 / 14.0	14 m 10.7	00 v 36.6	04 m 44.7	28 / 37.8	17 v 33.1	03 8 291	15 x 559	21 v 20.6	08 5 46.2
27 nov	16 24 28.1	04 / 56.5	16 / 08.3	15 m 03.4	01 v 51.0	05 m 24.3	28 / 51.0	17 v 38.9	03 8 271	15 x 559	21 v 22.1	08 5 41.9
28 nov	16 28 24.6	05 / 57.3	29 / 41.5	16 m 01.6	03 v 05.4	06 m 04.0	29 / 04.1	17 v 44.8	03 8 251	15 x 55.9	21 v 23.6	08 5 39.2
29 nov	16 32 21.2	06 / 58.1	12 v 52.2	17 m 04.6	04 v 19.7	06 m 43.6	29 / 17.4	17 v 50.7	03 8 232	15 x 56.0	21 v 25.2	08 5 38.2
30 nov	16 36 17.7	07 / 58.9	25 v 41.0	18 m 11.7	05 v 34.1	07 m 23.3	29 / 30.6	17 v 56.6	03 8 212	15 x 56.1	21 v 26.7	08 5 38.5

### Declinação dos Astros

Tropical Ephemeris - sexta-feira, 01 nov 2019 at noon, Greenwich SVP = 04x59.23 True Ayanamsa = 24d 07m 45s  
Julian Day = 2458789.0

Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
01 nov	14 41 57.6	14 s 25.4	22 s 52.5	22 s 11.3	20 s 22.4	06 s 25.8	23 s 05.0	22 s 24.5	12 n 30.7	06 s 26.7	22 s 23.2	23 n 02.7
02 nov	14 45 54.2	14 s 44.5	22 s 54.5	21 s 59.9	20 s 40.6	06 s 40.9	23 s 05.6	22 s 24.1	12 n 29.9	06 s 27.0	22 s 23.1	23 n 02.8
03 nov	14 49 50.7	15 s 03.3	21 s 47.1	21 s 44.9	20 s 58.4	06 s 56.1	23 s 06.3	22 s 23.7	12 n 29.1	06 s 27.3	22 s 23.1	23 n 02.8
04 nov	14 53 47.3	15 s 22.0	19 s 39.7	21 s 26.0	21 s 15.5	07 s 11.1	23 s 07.0	22 s 23.3	12 n 28.3	06 s 27.6	22 s 23.0	23 n 02.7
05 nov	14 57 43.9	15 s 40.3	16 s 42.8	21 s 03.0	21 s 32.1	07 s 26.2	23 s 07.6	22 s 22.9	12 n 27.5	06 s 27.9	22 s 22.9	23 n 02.7
06 nov	15 1 40.4	15 s 58.4	13 s 06.7	20 s 36.0	21 s 48.0	07 s 41.1	23 s 08.2	22 s 22.5	12 n 26.7	06 s 28.1	22 s 22.9	23 n 02.9
07 nov	15 5 37.0	16 s 16.3	09 s 00.8	20 s 05.1	22 s 03.3	07 s 56.1	23 s 08.8	22 s 22.0	12 n 25.9	06 s 28.4	22 s 22.8	23 n 03.2
08 nov	15 9 33.5	16 s 33.8	04 s 33.9	19 s 30.6	22 s 18.0	08 s 11.0	23 s 09.4	22 s 21.6	12 n 25.1	06 s 28.6	22 s 22.7	23 n 03.6
09 nov	15 13 30.1	16 s 51.1	00 n 05.5	18 s 53.0	22 s 32.1	08 s 25.8	23 s 10.0	22 s 21.1	12 n 24.3	06 s 28.8	22 s 22.6	23 n 04.2
10 nov	15 17 26.6	17 s 08.1	04 n 48.1	18 s 12.9	22 s 45.5	08 s 40.6	23 s 10.6	22 s 20.6	12 n 23.5	06 s 29.0	22 s 22.5	23 n 04.9
11 nov	15 21 23.2	17 s 24.8	09 n 23.9	17 s 31.5	22 s 58.2	08 s 55.3	23 s 11.1	22 s 20.1	12 n 22.7	06 s 29.2	22 s 22.4	23 n 05.5
12 nov	15 25 19.7	17 s 41.2	13 n 41.1	16 s 49.8	23 s 10.3	09 s 10.0	23 s 11.6	22 s 19.6	12 n 21.9	06 s 29.4	22 s 22.3	23 n 06.1
13 nov	15 29 16.3	17 s 57.3	17 n 26.4	16 s 09.1	23 s 21.7	09 s 24.6	23 s 12.1	22 s 19.1	12 n 21.2	06 s 29.5	22 s 22.2	23 n 06.5
14 nov	15 33 12.9	18 s 13.1	20 n 25.2	15 s 30.4	23 s 32.5	09 s 39.2	23 s 12.6	22 s 18.6	12 n 20.4	06 s 29.7	22 s 22.1	23 n 06.8
15 nov	15 37 9.4	18 s 28.6	22 n 23.3	14 s 55.0	23 s 42.5	09 s 53.6	23 s 13.1	22 s 18.0	12 n 19.6	06 s 29.8	22 s 22.0	23 n 07.0
16 nov	15 41 6.0	18 s 43.7	23 n 08.8	14 s 23.8	23 s 51.9	10 s 08.1	23 s 13.5	22 s 17.5	12 n 18.9	06 s 30.0	22 s 21.9	23 n 07.0
17 nov	15 45 2.5	18 s 58.5	22 n 34.7	13 s 57.4	24 s 00.5	10 s 22.5	23 s 14.0	22 s 16.9	12 n 18.1	06 s 30.1	22 s 21.7	23 n 06.9
18 nov	15 48 59.1	19 s 13.0	20 n 40.4	13 s 36.2	24 s 08.4	10 s 36.8	23 s 14.4	22 s 16.4	12 n 17.4	06 s 30.2	22 s 21.6	23 n 06.8
19 nov	15 52 55.6	19 s 27.1	17 n 32.1	13 s 20.5	24 s 15.6	10 s 51.0	23 s 14.8	22 s 15.8	12 n 16.7	06 s 30.3	22 s 21.5	23 n 06.8
20 nov	15 56 52.2	19 s 40.9	13 n 21.1	13 s 10.3	24 s 22.1	11 s 05.2	23 s 15.2	22 s 15.2	12 n 15.9	06 s 30.3	22 s 21.4	23 n 06.8
21 nov	16 0 48.7	19 s 54.3	08 n 22.5	13 s 05.2	24 s 27.8	11 s 19.3	23 s 15.5	22 s 14.6	12 n 15.2	06 s 30.4	22 s 21.2	23 n 07.0
22 nov	16 4 45.3	20 s 07.4	02 n 53.7	13 s 05.0	24 s 32.8	11 s 33.3	23 s 15.9	22 s 14.0	12 n 14.5	06 s 30.4	22 s 21.1	23 n 07.3
23 nov	16 8 41.9	20 s 20.1	02 s 46.5	13 s 09.3	24 s 37.1	11 s 47.2	23 s 16.2	22 s 13.3	12 n 13.8	06 s 30.5	22 s 20.9	23 n 07.6
24 nov	16 12 38.4	20 s 32.4	08 s 18.0	13 s 17.6	24 s 40.6	12 s 01.1	23 s 16.5	22 s 12.7	12 n 13.1	06 s 30.5	22 s 20.8	23 n 08.0
25 nov	16 16 35.0	20 s 44.4	13 s 20.5	13 s 29.4	24 s 43.4	12 s 14.9	23 s 16.7	22 s 12.0	12 n 12.5	06 s 30.5	22 s 20.6	23 n 08.4
26 nov	16 20 31.5	20 s 55.9	17 s 34.6	13 s 44.3	24 s 45.4	12 s 28.6	23 s 17.0	22 s 11.4	12 n 11.8	06 s 30.5	22 s 20.5	23 n 08.8
27 nov	16 24 28.1	21 s 07.1	20 s 43.8	14 s 01.8	24 s 46.7	12 s 42.2	23 s 17.2	22 s 10.7	12 n 11.1	06 s 30.5	22 s 20.3	23 n 09.1
28 nov	16 28 24.6	21 s 17.9	22 s 37.4	14 s 21.5	24 s 47.3	12 s 55.8	23 s 17.4	22 s 10.0	12 n 10.5	06 s 30.4	22 s 20.2	23 n 09.3
29 nov	16 32 21.2	21 s 28.3	23 s 11.8	14 s 42.9	24 s 47.0	13 s 09.2	23 s 17.6	22 s 09.3	12 n 09.8	06 s 30.4	22 s 20.0	23 n 09.3
30 nov	16 36 17.7	21 s 38.2	22 s 30.6	15 s 05.9	24 s 46.0	13 s 22.6	23 s 17.8	22 s 08.6	12 n 09.2	06 s 30.3	22 s 19.8	23 n 09.3

# EFEMÉRIDES CIENTÍFICA E SIMPLIFICADA - ROSACRUZ

## CALCULADA PARA O MEIO-DIA DE GREENWICH

### DEZEMBRO DE 2019

### Longitude dos Astros

Tropical Ephemeris - domingo, 01 dez 2019 at noon, Greenwich SVP = 04h59.16 True Ayanamsa = 24d 07m 49s  
Julian Day = 2458819.0

Long.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s											
01 dez	16 40 14.3	08 259.7	08 210.0	19 22.4	06 48.4	08 03.0	29 43.9	18 02.6	03 8 194	15 56.2	21 28.3	08 39.7
02 dez	16 44 10.9	10 00.5	20 22.9	20 36.2	08 02.7	08 42.7	29 57.2	18 08.7	03 8 175	15 56.3	21 29.9	08 41.1
03 dez	16 48 7.4	11 01.4	02 23.9	21 52.7	09 17.0	09 22.5	00 10.6	18 14.8	03 8 157	15 56.5	21 31.5	08 42.3
04 dez	16 52 4.0	12 02.2	14 17.9	23 11.4	10 31.3	10 02.2	00 24.0	18 21.0	03 8 140	15 56.8	21 33.1	08 42.6
05 dez	16 56 0.5	13 03.1	26 09.8	24 32.1	11 45.6	10 42.0	00 37.5	18 27.2	03 8 122	15 57.0	21 34.8	08 419
06 dez	16 59 57.1	14 04.0	08 04.3	25 54.4	12 59.9	11 21.8	00 50.9	18 33.4	03 8 105	15 57.3	21 36.5	08 400
07 dez	17 3 53.6	15 04.9	20 05.9	27 18.2	14 14.1	12 01.6	01 04.4	18 39.7	03 8 089	15 57.7	21 38.1	08 372
08 dez	17 7 50.2	16 05.8	02 8 18.3	28 43.1	15 28.3	12 41.4	01 18.0	18 46.1	03 8 073	15 58.0	21 39.8	08 338
09 dez	17 11 46.7	17 06.7	14 8 44.4	00 09.2	16 42.5	13 21.3	01 31.5	18 52.4	03 8 057	15 58.4	21 41.6	08 305
10 dez	17 15 43.3	18 07.7	27 8 25.9	01 36.1	17 56.7	14 01.2	01 45.1	18 58.8	03 8 041	15 58.9	21 43.3	08 275
11 dez	17 19 39.9	19 08.6	10 23.8	03 03.8	19 10.8	14 41.1	01 58.7	19 05.3	03 8 026	15 59.3	21 45.0	08 253
12 dez	17 23 36.4	20 09.6	23 37.7	04 32.1	20 25.0	15 21.0	02 12.3	19 11.8	03 8 012	15 59.8	21 46.8	08 241
13 dez	17 27 33.0	21 10.6	07 06.5	06 01.0	21 39.1	16 00.9	02 26.0	19 18.3	02 8 598	16 00.4	21 48.6	08 238
14 dez	17 31 29.5	22 11.6	20 48.1	07 30.4	22 53.1	16 40.9	02 39.7	19 24.9	02 8 584	16 01.0	21 50.4	08 24.3
15 dez	17 35 26.1	23 12.6	04 40.3	09 00.3	24 07.2	17 20.9	02 53.3	19 31.5	02 8 571	16 01.6	21 52.2	08 25.3
16 dez	17 39 22.6	24 13.6	18 40.7	10 30.5	25 21.2	18 00.9	03 07.1	19 38.1	02 8 558	16 02.2	21 54.0	08 26.4
17 dez	17 43 19.2	25 14.7	02 46.8	12 01.1	26 35.3	18 40.9	03 20.8	19 44.8	02 8 545	16 02.9	21 55.8	08 27.3
18 dez	17 47 15.7	26 15.7	16 56.6	13 32.0	27 49.2	19 21.0	03 34.5	19 51.5	02 8 533	16 03.6	21 57.7	08 27.8
19 dez	17 51 12.3	27 16.8	01 07.9	15 03.2	29 03.2	20 01.1	03 48.3	19 58.2	02 8 522	16 04.3	21 59.5	08 277
20 dez	17 55 8.9	28 17.9	15 18.4	16 34.6	00 17.1	20 41.2	04 02.1	20 05.0	02 8 511	16 05.1	22 01.4	08 271
21 dez	17 59 5.4	29 19.0	29 26.0	18 06.4	01 31.1	21 21.3	04 15.9	20 11.7	02 8 500	16 05.9	22 03.3	08 262
22 dez	18 3 2.0	00 20.1	13 28.1	19 38.3	02 45.0	22 01.4	04 29.7	20 18.6	02 8 490	16 06.8	22 05.2	08 251
23 dez	18 6 58.5	01 21.3	27 22.0	21 10.5	03 58.8	22 41.6	04 43.5	20 25.4	02 8 481	16 07.6	22 07.1	08 241
24 dez	18 10 55.1	02 22.4	11 05.1	22 42.9	05 12.7	23 21.8	04 57.3	20 32.3	02 8 471	16 08.5	22 09.0	08 232
25 dez	18 14 51.6	03 23.6	24 34.8	24 15.6	06 26.5	24 02.0	05 11.1	20 39.1	02 8 463	16 09.5	22 10.9	08 227
26 dez	18 18 48.2	04 24.7	07 49.4	25 48.5	07 40.2	24 42.2	05 24.9	20 46.1	02 8 454	16 10.5	22 12.9	08 225
27 dez	18 22 44.7	05 25.9	20 47.6	27 21.6	08 54.0	25 22.5	05 38.8	20 53.0	02 8 447	16 11.5	22 14.8	08 22.6
28 dez	18 26 41.3	06 27.1	03 29.3	28 55.0	10 07.7	26 02.7	05 52.6	20 59.9	02 8 440	16 12.5	22 16.8	08 22.7
29 dez	18 30 37.8	07 28.2	15 55.5	00 28.7	11 21.3	26 43.0	06 06.4	21 06.9	02 8 433	16 13.6	22 18.7	08 22.8
30 dez	18 34 34.4	08 29.4	28 08.1	02 02.6	12 35.0	27 23.3	06 20.3	21 13.9	02 8 427	16 14.7	22 20.7	08 227
31 dez	18 38 31.0	09 30.6	10 10.0	03 36.8	13 48.6	28 03.7	06 34.1	21 20.9	02 8 421	16 15.8	22 22.7	08 225

### Declinação dos Astros

Tropical Ephemeris - domingo, 01 dez 2019 at noon, Greenwich SVP = 04h59.16 True Ayanamsa = 24d 07m 49s  
Julian Day = 2458819.0

Decl.	Sidereal Time	Sun	Moon	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	N. Node
	h m s											
01 dez	16 40 14.3	21 s 47.8	20 s 42.6	15 s 30.0	24 s 44.3	13 s 35.8	23 s 17.9	22 s 07.9	12 n 08.6	06 s 30.3	22 s 19.7	23 n 09.2
02 dez	16 44 10.9	21 s 56.9	17 s 59.5	15 s 54.9	24 s 41.8	13 s 49.0	23 s 18.0	22 s 07.2	12 n 08.0	06 s 30.2	22 s 19.5	23 n 09.1
03 dez	16 48 7.4	22 s 05.6	14 s 33.2	16 s 20.5	24 s 38.6	14 s 02.1	23 s 18.1	22 s 06.4	12 n 07.4	06 s 30.1	22 s 19.3	23 n 09.1
04 dez	16 52 4.0	22 s 13.9	10 s 34.4	16 s 46.4	24 s 34.6	14 s 15.1	23 s 18.2	22 s 05.7	12 n 06.8	06 s 30.0	22 s 19.1	23 n 09.0
05 dez	16 56 0.5	22 s 21.7	06 s 12.7	17 s 12.6	24 s 29.9	14 s 28.0	23 s 18.2	22 s 04.9	12 n 06.3	06 s 29.8	22 s 18.9	23 n 09.1
06 dez	16 59 57.1	22 s 29.2	01 s 36.5	17 s 38.7	24 s 24.4	14 s 40.8	23 s 18.3	22 s 04.1	12 n 05.7	06 s 29.7	22 s 18.8	23 n 09.2
07 dez	17 3 53.6	22 s 36.1	03 n 06.1	18 s 04.8	24 s 18.2	14 s 53.4	23 s 18.3	22 s 03.3	12 n 05.2	06 s 29.5	22 s 18.6	23 n 09.4
08 dez	17 7 50.2	22 s 42.7	07 n 45.9	18 s 30.7	24 s 11.3	15 s 06.0	23 s 18.3	22 s 02.5	12 n 04.6	06 s 29.4	22 s 18.4	23 n 09.6
09 dez	17 11 46.7	22 s 48.8	12 n 12.7	18 s 56.1	24 s 03.6	15 s 18.5	23 s 18.2	22 s 01.7	12 n 04.1	06 s 29.2	22 s 18.2	23 n 09.8
10 dez	17 15 43.3	22 s 54.4	16 n 13.5	19 s 21.1	23 s 55.2	15 s 30.9	23 s 18.1	22 s 00.9	12 n 03.6	06 s 29.0	22 s 18.0	23 n 10.0
11 dez	17 19 39.9	22 s 59.6	19 n 33.5	19 s 45.6	23 s 46.1	15 s 43.1	23 s 18.0	22 s 00.1	12 n 03.1	06 s 28.8	22 s 17.8	23 n 10.1
12 dez	17 23 36.4	23 s 04.3	21 n 56.5	20 s 09.4	23 s 36.3	15 s 55.2	23 s 17.9	21 s 59.3	12 n 02.7	06 s 28.6	22 s 17.6	23 n 10.2
13 dez	17 27 33.0	23 s 08.6	23 n 07.7	20 s 32.5	23 s 25.7	16 s 07.3	23 s 17.8	21 s 58.4	12 n 02.2	06 s 28.3	22 s 17.4	23 n 10.2
14 dez	17 31 29.5	23 s 12.4	22 n 56.9	20 s 54.9	23 s 14.5	16 s 19.2	23 s 17.6	21 s 57.6	12 n 01.8	06 s 28.1	22 s 17.2	23 n 10.2
15 dez	17 35 26.1	23 s 15.8	21 n 21.7	21 s 16.4	23 s 02.6	16 s 31.0	23 s 17.4	21 s 56.7	12 n 01.3	06 s 27.8	22 s 17.0	23 n 10.1
16 dez	17 39 22.6	23 s 18.6	18 n 28.1	21 s 37.1	22 s 50.0	16 s 42.7	23 s 17.2	21 s 55.8	12 n 00.9	06 s 27.6	22 s 16.8	23 n 10.1
17 dez	17 43 19.2	23 s 21.1	14 n 28.8	21 s 56.8	22 s 36.8	16 s 54.2	23 s 17.0	21 s 54.9	12 n 00.5	06 s 27.3	22 s 16.5	23 n 10.0
18 dez	17 47 15.7	23 s 23.0	09 n 40.4	22 s 15.6	22 s 22.9	17 s 05.6	23 s 16.7	21 s 54.0	12 n 00.1	06 s 27.0	22 s 16.3	23 n 10.0
19 dez	17 51 12.3	23 s 24.5	04 n 21.0	22 s 33.4	22 s 08.3	17 s 16.9	23 s 16.4	21 s 53.1	11 n 59.8	06 s 26.7	22 s 16.1	23 n 10.0
20 dez	17 55 8.9	23 s 25.5	01 s 11.5	22 s 50.1	21 s 53.1	17 s 28.1	23 s 16.1	21 s 52.2	11 n 59.4	06 s 26.3	22 s 15.9	23 n 10.0
21 dez	17 59 5.4	23 s 26.1	06 s 39.4	23 s 05.8	21 s 37.3	17 s 39.2	23 s 15.8	21 s 51.3	11 n 59.1	06 s 26.0	22 s 15.7	23 n 10.1
22 dez	18 3 2.0	23 s 26.2	11 s 45.1	23 s 20.3	21 s 20.8	17 s 50.1	23 s 15.4	21 s 50.3	11 n 58.8	06 s 25.6	22 s 15.4	23 n 10.2
23 dez	18 6 58.5	23 s 25.8	16 s 11.2	23 s 33.7	21 s 03.8	18 s 00.9	23 s 15.0	21 s 49.4	11 n 58.5	06 s 25.3	22 s 15.2	23 n 10.2
24 dez	18 10 55.1	23 s 24.9	19 s 41.8	23 s 46.0	20 s 46.1	18 s 11.5	23 s 14.6	21 s 48.4	11 n 58.2	06 s 24.9	22 s 15.0	23 n 10.3
25 dez	18 14 51.6	23 s 23.6	22 s 03.8	23 s 57.0	20 s 27.8	18 s 22.0	23 s 14.2	21 s 47.5	11 n 57.9	06 s 24.5	22 s 14.8	23 n 10.3
26 dez	18 18 48.2	23 s 21.8	23 s 09.2	24 s 06.9	20 s 09.0	18 s 32.4	23 s 13.7	21 s 46.5	11 n 57.7	06 s 24.1	22 s 14.5	23 n 10.3
27 dez	18 22 44.7	23 s 19.5	22 s 57.2	24 s 15.5	19 s 49.6	18 s 42.7	23 s 13.2	21 s 45.5	11 n 57.4	06 s 23.7	22 s 14.3	23 n 10.3
28 dez	18 26 41.3	23 s 16.8	21 s 33.4	24 s 22.8	19 s 29.7	18 s 52.7	23 s 12.7	21 s 44.5	11 n 57.2	06 s 23.3	22 s 14.1	23 n 10.3
29 dez	18 30 37.8	23 s 13.6	19 s 08.3	24 s 28.8	19 s 09.2	19 s 02.7	23 s 12.2	21 s 43.5	11 n 57.0	06 s 22.8	22 s 13.8	23 n 10.3
30 dez	18 34 34.4	23 s 09.9	16 s 54.4	24 s 33.6	18 s 48.2	19 s 12.5	23 s 11.6	21 s 42.5	11 n 56.8	06 s 22.4	22 s 13.6	23 n 10.3
31 dez	18 38 31.0	23 s 05.8	12 s 04.0	24 s 37.0	18 s 26.7	19 s 22.1	23 s 11.1	21 s 41.5	11 n 56.7	06 s 21.9	22 s 13.3	23 n 10.3