

JANEIRO						FEVEREIRO						MARÇO					
DIA	HH:MM	ALT (m)	DIA	HH:MM	ALT (m)	DIA	HH:MM	ALT (m)	DIA	HH:MM	ALT (m)	DIA	HH:MM	ALT (m)	DIA	HH:MM	ALT (m)
01 QUI	05:40 12:10 17:50	0.50 ↓ 2.42 ↑ 0.60 ↓	17 SAB	00:20 07:10 13:10 18:40	2.37 ↑ 0.45 ↓ 2.17 ↑ 0.60 ↓	01 DOM	01:00 07:40 13:50 19:30	2.66 ↑ 0.17 ↓ 2.58 ↑ 0.48 ↓	17 TER	01:30 08:00 14:00 19:50	2.51 ↑ 0.40 ↓ 2.40 ↑ 0.45 ↓	01 DOM	06:30 12:40 18:30	0.25 ↓ 2.47 ↑ 0.45 ↓	17 TER	00:20 06:40 12:50 18:50	2.39 ↑ 0.48 ↓ 2.37 ↑ 0.43 ↓
02 SEX	00:10 07:00 13:10 18:40	2.65 ↑ 0.30 ↓ 2.50 ↑ 0.61 ↓	18 DOM	01:00 07:50 13:50 19:20	2.45 ↑ 0.43 ↓ 2.24 ↑ 0.57 ↓	02 SEG	01:50 08:30 14:40 20:20	2.75 ↑ 0.12 ↓ 2.65 ↑ 0.43 ↓	18 QUA	02:10 08:30 14:40 20:30	2.60 ↑ 0.40 ↓ 2.48 ↑ 0.41 ↓	02 SEG	00:50 07:20 13:30 19:20	2.62 ↑ 0.14 ↓ 2.62 ↑ 0.35 ↓	18 QUA	01:10 07:20 13:30 19:40	2.53 ↑ 0.42 ↓ 2.52 ↑ 0.34 ↓
03 SAB	01:10 07:50 14:00 19:40	2.73 ↑ 0.25 ↓ 2.58 ↑ 0.55 ↓	19 SEG	01:40 08:30 14:30 20:00	2.51 ↑ 0.41 ↓ 2.30 ↑ 0.54 ↓	03 TER	02:40 09:20 15:20 21:10	2.78 ↑ 0.11 ↓ 2.67 ↑ 0.39 ↓	19 QUI	02:50 09:10 15:10 21:20	2.65 ↑ 0.38 ↓ 2.55 ↑ 0.36 ↓	03 TER	01:40 08:10 14:20 20:10	2.73 ↑ 0.07 ↓ 2.71 ↑ 0.27 ↓	19 QUI	01:50 08:00 14:10 20:20	2.64 ↑ 0.39 ↓ 2.63 ↑ 0.31 ↓
04 DOM	02:00 08:50 14:50 20:30	2.77 ↑ 0.17 ↓ 2.60 ↑ 0.54 ↓	20 TER	02:20 09:00 15:00 20:40	2.56 ↑ 0.42 ↓ 2.35 ↑ 0.52 ↓	04 QUA	03:30 10:00 16:00 22:00	2.75 ↑ 0.18 ↓ 2.64 ↑ 0.38 ↓	20 SEX	03:30 09:40 15:50 22:00	2.65 ↑ 0.40 ↓ 2.58 ↑ 0.36 ↓	04 QUA	02:30 08:50 15:00 21:00	2.78 ↑ 0.11 ↓ 2.74 ↑ 0.23 ↓	20 SEX	02:30 08:40 14:40 21:00	2.70 ↑ 0.38 ↓ 2.71 ↑ 0.32 ↓
05 SEG	02:50 09:30 15:40 21:20	2.77 ↑ 0.23 ↓ 2.59 ↑ 0.54 ↓	21 QUA	03:00 09:30 15:40 21:30	2.57 ↑ 0.43 ↓ 2.37 ↑ 0.46 ↓	05 QUI	04:10 10:30 16:40 22:40	2.68 ↑ 0.32 ↓ 2.57 ↑ 0.42 ↓	21 SAB	04:10 10:20 16:30 22:50	2.61 ↑ 0.40 ↓ 2.58 ↑ 0.37 ↓	05 QUI	03:10 09:30 15:30 21:40	2.77 ↑ 0.19 ↓ 2.72 ↑ 0.28 ↓	21 SAB	03:10 09:10 15:20 21:50	2.70 ↑ 0.43 ↓ 2.74 ↑ 0.32 ↓
06 TER	03:40 10:20 16:30 22:10	2.71 ↑ 0.25 ↓ 2.53 ↑ 0.53 ↓	22 QUI	03:40 10:10 16:10 22:10	2.56 ↑ 0.42 ↓ 2.40 ↑ 0.45 ↓	06 SEX	04:50 11:10 17:10 23:20	2.57 ↑ 0.41 ↓ 2.47 ↑ 0.46 ↓	22 DOM	04:50 10:50 17:10 23:40	2.53 ↑ 0.46 ↓ 2.55 ↑ 0.42 ↓	06 SEX	03:50 10:00 16:00 22:20	2.69 ↑ 0.33 ↓ 2.64 ↑ 0.34 ↓	22 DOM	03:50 09:50 16:00 22:30	2.65 ↑ 0.46 ↓ 2.72 ↑ 0.39 ↓
07 QUA	04:20 11:00 17:10 23:00	2.63 ↑ 0.35 ↓ 2.46 ↑ 0.53 ↓	23 SEX	04:20 10:40 16:50 23:00	2.53 ↑ 0.43 ↓ 2.41 ↑ 0.43 ↓	07 SAB	05:30 11:40 17:50	2.43 ↑ 0.50 ↓ 2.36 ↑	23 SEG	05:40 11:40 18:00	2.41 ↑ 0.49 ↓ 2.48 ↑	07 SAB	04:30 10:30 16:30 23:00	2.56 ↑ 0.44 ↓ 2.54 ↑ 0.40 ↓	23 SEG	04:40 10:30 16:40 23:20	2.54 ↑ 0.51 ↓ 2.66 ↑ 0.47 ↓
08 QUI	05:10 11:40 17:50 23:50	2.51 ↑ 0.43 ↓ 2.37 ↑ 0.54 ↓	24 SAB	05:10 11:20 17:40	2.45 ↑ 0.44 ↓ 2.40 ↑	08 DOM	00:10 06:10 12:10 18:30	0.50 ↓ 2.27 ↑ 0.55 ↓ 2.26 ↑	24 TER	00:30 06:40 12:30 19:00	0.51 ↓ 2.27 ↑ 0.57 ↓ 2.37 ↑	08 DOM	05:00 11:00 17:00 23:30	2.42 ↑ 0.51 ↓ 2.42 ↑ 0.48 ↓	24 TER	05:30 11:10 17:30	2.39 ↑ 0.59 ↓ 2.53 ↑
09 SEX	06:00 12:20 18:30	2.38 ↑ 0.50 ↓ 2.29 ↑	25 DOM	00:00 06:00 12:10 18:30	0.43 ↓ 2.36 ↑ 0.46 ↓ 2.37 ↑	09 SEG	01:00 07:00 12:50 19:10	0.55 ↓ 2.12 ↑ 0.57 ↓ 2.17 ↑	25 QUA	01:40 07:50 13:30 20:00	0.60 ↓ 2.16 ↑ 0.65 ↓ 2.30 ↑	09 SEG	05:40 11:20 17:40	2.25 ↑ 0.55 ↓ 2.30 ↑	25 QUA	00:20 06:20 12:10 18:30	0.55 ↓ 2.25 ↑ 0.65 ↓ 2.37 ↑
10 SAB	00:40 06:50 13:00 19:20	0.56 ↓ 2.25 ↑ 0.55 ↓ 2.21 ↑	26 SEG	01:00 07:00 13:00 19:30	0.47 ↓ 2.27 ↑ 0.51 ↓ 2.34 ↑	10 TER	01:50 07:50 13:30 20:00	0.61 ↓ 2.00 ↑ 0.60 ↓ 2.11 ↑	26 QUI	03:00 09:10 14:50 21:20	0.66 ↓ 2.11 ↑ 0.71 ↓ 2.27 ↑	10 TER	00:20 06:20 12:00 18:10	0.54 ↓ 2.09 ↑ 0.57 ↓ 2.18 ↑	26 QUI	01:20 07:30 13:10 19:40	0.65 ↓ 2.12 ↑ 0.73 ↓ 2.24 ↑
11 DOM	01:40 07:40 13:50 20:10	0.58 ↓ 2.14 ↑ 0.58 ↓ 2.16 ↑	27 TER	02:00 08:10 14:00 20:30	0.55 ↓ 2.20 ↑ 0.58 ↓ 2.34 ↑	11 QUA	02:50 08:50 14:20 20:50	0.67 ↓ 1.91 ↑ 0.64 ↓ 2.08 ↑	27 SEX	04:20 10:30 16:10 22:40	0.59 ↓ 2.16 ↑ 0.71 ↓ 2.33 ↑	11 QUA	01:00 07:00 12:40 19:00	0.60 ↓ 1.95 ↑ 0.60 ↓ 2.08 ↑	27 SEX	02:40 09:00 14:30 21:00	0.67 ↓ 2.07 ↑ 0.76 ↓ 2.19 ↑
12 SEG	02:40 08:40 14:30 21:00	0.61 ↓ 2.04 ↑ 0.61 ↓ 2.15 ↑	28 QUA	03:20 09:30 15:10 21:50	0.60 ↓ 2.18 ↑ 0.65 ↓ 2.36 ↑	12 QUI	03:50 09:50 15:20 22:00	0.70 ↓ 1.88 ↑ 0.67 ↓ 2.10 ↑	28 SAB	05:30 11:40 17:20 23:50	0.42 ↓ 2.30 ↑ 0.63 ↓ 2.47 ↑	12 QUI	02:00 08:00 13:30 20:00	0.67 ↓ 1.85 ↑ 0.65 ↓ 2.02 ↑	28 SAB	04:00 10:10 16:00 22:20	0.57 ↓ 2.15 ↑ 0.70 ↓ 2.26 ↑
13 TER	03:40 09:40 15:20 21:50	0.61 ↓ 1.99 ↑ 0.63 ↓ 2.17 ↑	29 QUI	04:40 10:50 16:20 23:00	0.55 ↓ 2.22 ↑ 0.69 ↓ 2.44 ↑	13 SEX	04:50 11:00 16:20 23:00	0.67 ↓ 1.91 ↑ 0.69 ↓ 2.17 ↑				13 SEX	03:00 09:10 14:30 21:10	0.73 ↓ 1.83 ↑ 0.69 ↓ 2.03 ↑	29 DOM	05:10 11:20 17:10 23:30	0.40 ↓ 2.31 ↑ 0.56 ↓ 2.41 ↑
14 QUA	04:40 10:40 16:10 22:40	0.59 ↓ 1.99 ↑ 0.65 ↓ 2.22 ↑	30 SEX	05:50 12:00 17:30	0.42 ↓ 2.33 ↑ 0.65 ↓	14 SAB	05:50 12:00 17:20 23:50	0.59 ↓ 2.01 ↑ 0.66 ↓ 2.28 ↑				14 SAB	04:10 10:20 15:50 22:20	0.72 ↓ 1.88 ↑ 0.69 ↓ 2.11 ↑	30 SEG	06:00 12:20 18:20	0.27 ↓ 2.49 ↑ 0.35 ↓
15 QUI	05:30 11:40 17:00 23:30	0.55 ↓ 2.02 ↑ 0.65 ↓ 2.29 ↑	31 SAB	00:00 06:50 13:00 18:40	2.55 ↑ 0.27 ↓ 2.46 ↑ 0.53 ↓	15 DOM	06:40 12:40 18:10	0.51 ↓ 2.15 ↑ 0.60 ↓				15 DOM	05:10 11:20 17:00 23:30	0.65 ↓ 2.01 ↑ 0.63 ↓ 2.23 ↑	31 TER	00:30 06:50 13:00 19:10	2.56 ↑ 0.17 ↓ 2.64 ↑ 0.23 ↓
16 SEX	06:20 12:30 17:50	0.50 ↓ 2.09 ↑ 0.63 ↓				16 SEG	00:40 07:20 13:20 19:00	2.40 ↑ 0.45 ↓ 2.28 ↑ 0.53 ↓				16 SEG	06:00 12:10 18:00	0.55 ↓ 2.19 ↑ 0.53 ↓			

ABRIL						MAIO						JUNHO					
DIA	HH:MM	ALT (m)	DIA	HH:MM	ALT (m)	DIA	HH:MM	ALT (m)	DIA	HH:MM	ALT (m)	DIA	HH:MM	ALT (m)	DIA	HH:MM	ALT (m)
01 QUA ☀	01:20 07:40 13:50 20:00	2.68 ↑ 0.12 ↓ 2.73 ↑ 0.15 ↓	17 SEX ☾	01:30 07:30 13:40 20:00	2.64 ↑ 0.42 ↓ 2.74 ↑ 0.30 ↓	01 SEX ☀	01:40 07:40 13:50 20:10	2.60 ↑ 0.31 ↓ 2.71 ↑ 0.20 ↓	17 DOM ☾	02:00 07:40 14:00 20:40	2.64 ↑ 0.53 ↓ 2.83 ↑ 0.30 ↓	01 SEG ☀	02:40 08:00 14:20 21:10	2.37 ↑ 0.57 ↓ 2.58 ↑ 0.37 ↓	17 QUA ☀	03:30 09:00 15:20 22:10	2.55 ↑ 0.62 ↓ 2.74 ↑ 0.33 ↓
02 QUI	02:10 08:20 14:20 20:40	2.73 ↑ 0.17 ↓ 2.76 ↑ 0.16 ↓	18 SAB	02:20 08:10 14:20 20:50	2.69 ↑ 0.43 ↓ 2.81 ↑ 0.29 ↓	02 SAB	02:30 08:10 14:20 20:50	2.58 ↑ 0.41 ↓ 2.69 ↑ 0.26 ↓	18 SEG	02:50 08:20 14:40 21:20	2.62 ↑ 0.59 ↓ 2.83 ↑ 0.38 ↓	02 TER	03:10 08:30 14:50 21:40	2.32 ↑ 0.60 ↓ 2.54 ↑ 0.44 ↓	18 QUI	04:10 09:50 16:10 22:50	2.50 ↑ 0.63 ↓ 2.65 ↑ 0.42 ↓
03 SEX	02:50 08:50 15:00 21:20	2.71 ↑ 0.30 ↓ 2.73 ↑ 0.22 ↓	19 DOM	03:00 08:40 15:00 21:30	2.68 ↑ 0.51 ↓ 2.82 ↑ 0.36 ↓	03 DOM	03:00 08:40 14:50 21:30	2.52 ↑ 0.49 ↓ 2.64 ↑ 0.34 ↓	19 TER	03:30 09:10 15:30 22:10	2.57 ↑ 0.62 ↓ 2.75 ↑ 0.44 ↓	03 QUA	03:40 09:10 15:20 22:10	2.25 ↑ 0.59 ↓ 2.47 ↑ 0.49 ↓	19 SEX	05:00 10:40 17:00 23:40	2.43 ↑ 0.64 ↓ 2.53 ↑ 0.46 ↓
04 SAB	03:30 09:20 15:30 21:50	2.63 ↑ 0.41 ↓ 2.66 ↑ 0.33 ↓	20 SEG	03:40 09:20 15:40 22:20	2.62 ↑ 0.57 ↓ 2.77 ↑ 0.42 ↓	04 SEG	03:40 09:10 15:20 22:00	2.41 ↑ 0.54 ↓ 2.56 ↑ 0.43 ↓	20 QUA	04:20 09:50 16:10 23:00	2.47 ↑ 0.69 ↓ 2.65 ↑ 0.50 ↓	04 QUI	04:10 09:40 16:00 22:50	2.17 ↑ 0.60 ↓ 2.40 ↑ 0.50 ↓	20 SAB	05:50 11:40 17:50	2.35 ↑ 0.62 ↓ 2.41 ↑
05 DOM	04:00 09:50 15:50 22:30	2.51 ↑ 0.49 ↓ 2.57 ↑ 0.40 ↓	21 TER	04:30 10:10 16:20 23:10	2.50 ↑ 0.60 ↓ 2.68 ↑ 0.51 ↓	05 TER	04:10 09:30 15:50 22:40	2.29 ↑ 0.59 ↓ 2.47 ↑ 0.49 ↓	21 QUI	05:10 10:50 17:00	2.36 ↑ 0.69 ↓ 2.51 ↑	05 SEX	04:50 10:20 16:40 23:20	2.10 ↑ 0.59 ↓ 2.31 ↑ 0.51 ↓	21 DOM ☾	00:30 06:40 12:40 18:50	0.50 ↓ 2.28 ↑ 0.60 ↓ 2.29 ↑
06 SEG	04:30 10:10 16:20 23:00	2.37 ↑ 0.55 ↓ 2.46 ↑ 0.48 ↓	22 QUA	05:20 10:50 17:10	2.36 ↑ 0.69 ↓ 2.52 ↑	06 QUA	04:40 10:00 16:20 23:10	2.17 ↑ 0.61 ↓ 2.36 ↑ 0.53 ↓	22 SEX	00:00 06:10 11:50 18:00	0.53 ↓ 2.25 ↑ 0.70 ↓ 2.35 ↑	06 SAB	05:30 11:10 17:30	2.06 ↑ 0.57 ↓ 2.22 ↑	22 SEG	01:20 07:40 13:50 19:50	0.53 ↓ 2.23 ↑ 0.59 ↓ 2.20 ↑
07 TER	05:00 10:40 16:50 23:40	2.21 ↑ 0.57 ↓ 2.33 ↑ 0.53 ↓	23 QUI ☀	00:10 06:10 11:50 18:10	0.57 ↓ 2.22 ↑ 0.73 ↓ 2.35 ↑	07 QUI	05:10 10:40 17:00 23:50	2.05 ↑ 0.62 ↓ 2.25 ↑ 0.56 ↓	23 SAB ☾	00:50 07:10 13:00 19:10	0.58 ↓ 2.17 ↑ 0.69 ↓ 2.23 ↑	07 DOM	00:00 06:10 12:10 18:20	0.52 ↓ 2.04 ↑ 0.55 ↓ 2.15 ↑	23 TER	02:10 08:30 14:50 21:00	0.56 ↓ 2.21 ↑ 0.58 ↓ 2.14 ↑
08 QUA	05:40 11:10 17:30	2.05 ↑ 0.60 ↓ 2.21 ↑	24 SEX	01:10 07:20 13:00 19:20	0.63 ↓ 2.11 ↑ 0.75 ↓ 2.21 ↑	08 SEX	05:50 11:30 17:50	1.95 ↑ 0.62 ↓ 2.13 ↑	24 DOM	02:00 08:10 14:10 20:20	0.55 ↓ 2.16 ↑ 0.66 ↓ 2.18 ↑	08 SEG ☀	00:50 07:10 13:10 19:20	0.52 ↓ 2.07 ↑ 0.54 ↓ 2.12 ↑	24 QUA	03:10 09:30 16:00 22:00	0.56 ↓ 2.23 ↑ 0.53 ↓ 2.12 ↑
09 QUI	00:20 06:20 11:50 18:20	0.58 ↓ 1.92 ↑ 0.64 ↓ 2.09 ↑	25 SAB	02:20 08:40 14:30 20:50	0.63 ↓ 2.09 ↑ 0.72 ↓ 2.16 ↑	09 SAB ☾	00:40 06:40 12:20 18:50	0.59 ↓ 1.90 ↑ 0.64 ↓ 2.06 ↑	25 SEG	03:00 09:20 15:20 21:30	0.53 ↓ 2.20 ↑ 0.60 ↓ 2.18 ↑	09 TER	01:50 08:10 14:30 20:30	0.52 ↓ 2.14 ↑ 0.53 ↓ 2.16 ↑	25 QUI	04:00 10:20 17:00 23:00	0.57 ↓ 2.27 ↑ 0.46 ↓ 2.14 ↑
10 SEX ☀	01:10 07:20 12:50 19:20	0.64 ↓ 1.84 ↑ 0.66 ↓ 2.01 ↑	26 DOM	03:30 09:50 15:50 22:00	0.55 ↓ 2.17 ↑ 0.64 ↓ 2.22 ↑	10 DOM	01:30 07:50 13:40 20:00	0.61 ↓ 1.93 ↑ 0.61 ↓ 2.05 ↑	26 TER	03:50 10:10 16:30 22:40	0.51 ↓ 2.28 ↑ 0.48 ↓ 2.24 ↑	10 QUA	02:40 09:10 15:40 21:50	0.54 ↓ 2.25 ↑ 0.52 ↓ 2.23 ↑	26 SEX	04:50 11:10 17:50	0.57 ↓ 2.33 ↑ 0.40 ↓
11 SAB	02:20 08:30 14:00 20:30	0.69 ↓ 1.84 ↑ 0.67 ↓ 2.01 ↑	27 SEG	04:40 10:50 17:00 23:10	0.41 ↓ 2.31 ↑ 0.48 ↓ 2.34 ↑	11 SEG	02:30 08:50 14:50 21:10	0.61 ↓ 2.02 ↑ 0.59 ↓ 2.12 ↑	27 QUA	04:50 11:10 17:30 23:40	0.43 ↓ 2.39 ↑ 0.36 ↓ 2.32 ↑	11 QUI	03:40 10:10 16:50 22:50	0.56 ↓ 2.38 ↑ 0.49 ↓ 2.33 ↑	27 SAB	00:00 05:30 12:00 18:40	2.18 ↑ 0.59 ↓ 2.40 ↑ 0.35 ↓
12 DOM	03:20 09:40 15:20 21:50	0.70 ↓ 1.92 ↑ 0.65 ↓ 2.09 ↑	28 TER	05:30 11:40 18:00	0.32 ↓ 2.46 ↑ 0.31 ↓	12 TER	03:30 09:50 16:10 22:20	0.60 ↓ 2.16 ↑ 0.54 ↓ 2.24 ↑	28 QUI	05:30 11:50 18:20	0.44 ↓ 2.49 ↑ 0.27 ↓	12 SEX	04:40 11:10 17:50	0.57 ↓ 2.53 ↑ 0.42 ↓	28 DOM	00:50 06:20 12:40 19:30	2.22 ↑ 0.58 ↓ 2.45 ↑ 0.33 ↓
13 SEG	04:20 10:40 16:30 23:00	0.65 ↓ 2.08 ↑ 0.59 ↓ 2.22 ↑	29 QUA	00:10 06:20 12:30 18:50	2.47 ↑ 0.25 ↓ 2.60 ↑ 0.20 ↓	13 QUA	04:30 10:50 17:10 23:20	0.56 ↓ 2.34 ↑ 0.47 ↓ 2.37 ↑	29 SEX	00:30 06:20 12:30 19:10	2.38 ↑ 0.42 ↓ 2.56 ↑ 0.22 ↓	13 SAB	00:00 05:40 12:00 18:40	2.42 ↑ 0.56 ↓ 2.65 ↑ 0.38 ↓	29 SEG ☀	01:30 07:00 13:20 20:10	2.26 ↑ 0.58 ↓ 2.49 ↑ 0.35 ↓
14 TER	05:20 11:30 17:40 23:50	0.55 ↓ 2.27 ↑ 0.48 ↓ 2.39 ↑	30 QUI	01:00 07:00 13:10 19:30	2.56 ↑ 0.26 ↓ 2.68 ↑ 0.17 ↓	14 QUI	05:20 11:40 18:10	0.52 ↓ 2.52 ↑ 0.37 ↓	30 SAB	01:20 07:00 13:10 19:50	2.41 ↑ 0.46 ↓ 2.60 ↑ 0.25 ↓	14 DOM ☾	00:50 06:30 13:00 19:40	2.51 ↑ 0.58 ↓ 2.74 ↑ 0.30 ↓	30 TER	02:10 07:30 14:00 20:40	2.27 ↑ 0.60 ↓ 2.51 ↑ 0.41 ↓
15 QUA	06:00 12:20 18:30	0.50 ↓ 2.46 ↑ 0.38 ↓				15 SEX	00:20 06:10 12:30 19:00	2.50 ↑ 0.49 ↓ 2.67 ↑ 0.32 ↓	31 DOM ☀	02:00 07:30 13:50 20:30	2.41 ↑ 0.52 ↓ 2.60 ↑ 0.30 ↓	15 SEG	01:50 07:20 13:40 20:30	2.56 ↑ 0.59 ↓ 2.80 ↑ 0.29 ↓			
16 QUI	00:50 06:50 13:00 19:20	2.53 ↑ 0.43 ↓ 2.62 ↑ 0.30 ↓				16 SAB ☾	01:10 07:00 13:20 19:50	2.59 ↑ 0.48 ↓ 2.77 ↑ 0.29 ↓				16 TER	02:40 08:10 14:30 21:20	2.58 ↑ 0.61 ↓ 2.79 ↑ 0.30 ↓			

JULHO						AGOSTO						SETEMBRO							
DIA	HH:MM	ALT (m)	DIA	HH:MM	ALT (m)	DIA	HH:MM	ALT (m)	DIA	HH:MM	ALT (m)	DIA	HH:MM	ALT (m)	DIA	HH:MM	ALT (m)		
01 QUA	02:50	2.27 ↑	17 SEX	04:00	2.60 ↑	01 SAB	03:20	2.38 ↑	17 SEG	04:50	2.57 ↑	01 TER	04:00	2.61 ↑	17 QUI	05:20	2.37 ↑		
	08:10	0.58 ↓		09:50	0.48 ↓		09:10	0.45 ↓		11:10	0.40 ↓		10:20	0.36 ↓		12:00	0.54 ↓		
	14:30	2.52 ↑		16:00	2.70 ↑		15:30	2.55 ↑		17:10	2.52 ↑		16:30	2.54 ↑		18:10	2.14 ↑		
	21:20	0.43 ↓		22:40	0.29 ↓		21:50	0.41 ↓		23:20	0.48 ↓		22:30	0.42 ↓		23:40	0.61 ↓		
02 QUI	03:20	2.26 ↑	18 SAB	04:40	2.55 ↑	02 DOM	03:50	2.41 ↑	18 TER	05:30	2.46 ↑	02 QUA	04:40	2.60 ↑	18 SEX 	06:00	2.23 ↑		
	08:50	0.56 ↓		10:40	0.48 ↓		09:50	0.42 ↓		11:50	0.47 ↓		11:10	0.39 ↓		12:50	0.61 ↓		
	15:10	2.49 ↑		16:50	2.60 ↑		16:10	2.52 ↑		18:00	2.35 ↑		17:10	2.44 ↑		18:50	1.98 ↑		
	21:50	0.45 ↓		23:20	0.38 ↓		22:20	0.41 ↓					23:10	0.46 ↓					
03 SEX	03:50	2.24 ↑	19 DOM	05:30	2.46 ↑	03 SEG	04:30	2.43 ↑	19 QUA 	00:00	0.53 ↓	03 QUI	05:30	2.52 ↑	19 SAB	00:20	0.65 ↓		
	09:30	0.53 ↓		11:30	0.49 ↓		10:40	0.39 ↓		06:10	2.34 ↑		12:00	0.47 ↓		06:50	2.10 ↑		
	15:40	2.46 ↑		17:30	2.48 ↑		16:50	2.46 ↑		12:40	0.53 ↓		18:10	2.30 ↑		13:50	0.69 ↓		
	22:20	0.46 ↓					23:00	0.40 ↓		18:40	2.19 ↑					19:50	1.86 ↑		
04 SAB	04:20	2.23 ↑	20 SEG	00:00	0.46 ↓	04 TER	05:10	2.43 ↑	20 QUI	00:30	0.59 ↓	04 SEX 	00:00	0.52 ↓	20 DOM	01:10	0.68 ↓		
	10:10	0.51 ↓		06:10	2.38 ↑		11:30	0.40 ↓		06:50	2.23 ↑		06:20	2.43 ↑		07:40	2.01 ↑		
	16:20	2.41 ↑		12:20	0.52 ↓		17:30	2.38 ↑		13:30	0.61 ↓		13:00	0.57 ↓		14:50	0.74 ↓		
	22:50	0.46 ↓		18:20	2.34 ↑		23:40	0.42 ↓		19:30	2.04 ↑		19:10	2.17 ↑		20:50	1.82 ↑		
05 DOM	05:00	2.23 ↑	21 TER 	00:40	0.52 ↓	05 QUA 	06:00	2.40 ↑	21 SEX	01:10	0.63 ↓	05 SAB	00:50	0.62 ↓	21 SEG	02:20	0.71 ↓		
	10:50	0.50 ↓		06:50	2.30 ↑		12:20	0.45 ↓		07:40	2.13 ↑		07:20	2.32 ↑		08:50	1.99 ↑		
	17:10	2.34 ↑		13:10	0.55 ↓		18:30	2.28 ↑		14:30	0.68 ↓		14:20	0.66 ↓		15:50	0.74 ↓		
	23:30	0.44 ↓		19:20	2.20 ↑					20:30	1.92 ↑		20:20	2.09 ↑		22:00	1.85 ↑		
06 SEG	05:40	2.23 ↑	22 QUA	01:20	0.58 ↓	06 QUI	00:30	0.47 ↓	22 SAB	02:00	0.67 ↓	06 DOM	02:00	0.71 ↓	22 TER	03:30	0.71 ↓		
	11:50	0.46 ↓		07:40	2.22 ↑		06:50	2.37 ↑		08:40	2.07 ↑		08:40	2.25 ↑		10:00	2.05 ↑		
	18:00	2.28 ↑		14:10	0.59 ↓		13:30	0.51 ↓		15:40	0.71 ↓		15:40	0.66 ↓		16:50	0.67 ↓		
				20:20	2.08 ↑		19:30	2.19 ↑		21:40	1.86 ↑		21:50	2.11 ↑		23:00	1.97 ↑		
07 TER 	00:10	0.45 ↓	23 QUI	02:10	0.61 ↓	07 SEX	01:20	0.55 ↓	23 DOM	03:00	0.71 ↓	07 SEG	03:30	0.73 ↓	23 QUA	04:40	0.66 ↓		
	06:30	2.24 ↑		08:30	2.18 ↑		07:50	2.33 ↑		09:40	2.06 ↑		10:00	2.28 ↑		11:10	2.16 ↑		
	12:50	0.46 ↓		15:20	0.61 ↓		14:40	0.60 ↓		16:40	0.68 ↓		16:50	0.55 ↓		17:40	0.57 ↓		
	19:00	2.22 ↑		21:20	2.01 ↑		20:40	2.15 ↑		22:50	1.88 ↑		23:10	2.23 ↑		23:50	2.14 ↑		
08 QUA	01:00	0.48 ↓	24 SEX	03:00	0.65 ↓	08 SAB	02:30	0.63 ↓	24 SEG	04:10	0.72 ↓	08 TER	04:50	0.66 ↓	24 QUI	05:40	0.55 ↓		
	07:30	2.26 ↑		09:30	2.16 ↑		09:00	2.32 ↑		10:40	2.11 ↑		11:20	2.40 ↑		12:00	2.31 ↑		
	14:00	0.49 ↓		16:20	0.60 ↓		16:00	0.63 ↓		17:40	0.59 ↓		18:00	0.34 ↓		18:30	0.47 ↓		
	20:00	2.19 ↑		22:20	1.98 ↑		22:00	2.16 ↑		23:40	1.98 ↑								
09 QUI	02:00	0.51 ↓	25 SAB	03:50	0.68 ↓	09 DOM	03:40	0.69 ↓	25 TER	05:10	0.68 ↓	09 QUA	00:10	2.41 ↑	25 SEX	00:30	2.31 ↑		
	08:30	2.30 ↑		10:30	2.18 ↑		10:20	2.37 ↑		11:40	2.21 ↑		06:00	0.51 ↓		06:30	0.45 ↓		
	15:10	0.54 ↓		17:20	0.54 ↓		17:10	0.55 ↓		18:30	0.50 ↓		12:20	2.56 ↑		12:50	2.45 ↑		
	21:10	2.20 ↑		23:20	2.00 ↑		23:20	2.25 ↑					18:50	0.22 ↓		19:00	0.44 ↓		
10 SEX	03:00	0.57 ↓	26 DOM	04:50	0.68 ↓	10 SEG	05:00	0.68 ↓	26 QUA	00:30	2.11 ↑	10 QUI	01:00	2.59 ↑	26 SAB 	01:10	2.47 ↑		
	09:40	2.37 ↑		11:20	2.24 ↑		11:30	2.47 ↑		06:00	0.61 ↓		07:00	0.35 ↓		07:20	0.35 ↓		
	16:20	0.56 ↓		18:10	0.49 ↓		18:20	0.37 ↓		12:30	2.33 ↑		13:20	2.70 ↑		13:30	2.57 ↑		
	22:30	2.24 ↑								19:10	0.44 ↓		19:40	0.13 ↓		19:40	0.40 ↓		
11 SAB	04:10	0.62 ↓	27 SEG	00:20	2.06 ↑	11 TER	00:30	2.39 ↑	27 QUI	01:10	2.25 ↑	11 SEX 	01:50	2.72 ↑	27 DOM	01:50	2.60 ↑		
	10:40	2.47 ↑		05:40	0.66 ↓		06:10	0.58 ↓		06:50	0.52 ↓		07:50	0.25 ↓		08:00	0.31 ↓		
	17:30	0.49 ↓		12:10	2.31 ↑		12:30	2.60 ↑		13:20	2.45 ↑		14:10	2.79 ↑		14:10	2.65 ↑		
	23:40	2.32 ↑		19:00	0.43 ↓		19:10	0.26 ↓		19:40	0.42 ↓		20:30	0.09 ↓		20:10	0.41 ↓		
12 DOM	05:10	0.65 ↓	28 TER	01:00	2.15 ↑	12 QUA 	01:20	2.54 ↑	28 SEX 	01:50	2.37 ↑	12 SAB	02:30	2.79 ↑	28 SEG	02:20	2.69 ↑		
	11:40	2.57 ↑		06:30	0.62 ↓		07:10	0.47 ↓		07:40	0.43 ↓		08:40	0.19 ↓		08:40	0.30 ↓		
	18:30	0.40 ↓		12:50	2.40 ↑		13:30	2.72 ↑		14:00	2.55 ↑		14:50	2.81 ↑		14:50	2.67 ↑		
				19:40	0.41 ↓		20:10	0.12 ↓		20:20	0.38 ↓		21:00	0.21 ↓		20:50	0.41 ↓		
13 SEG	00:40	2.42 ↑	29 QUA 	01:40	2.23 ↑	13 QUI	02:10	2.65 ↑	29 SAB	02:20	2.47 ↑	13 DOM	03:10	2.79 ↑	29 TER	03:00	2.73 ↑		
	06:10	0.64 ↓		07:10	0.58 ↓		08:00	0.40 ↓		08:20	0.37 ↓		09:20	0.22 ↓		09:20	0.33 ↓		
	12:40	2.67 ↑		13:40	2.47 ↑		14:20	2.79 ↑		14:30	2.61 ↑		15:30	2.76 ↑		15:30	2.63 ↑		
	19:30	0.28 ↓		20:20	0.40 ↓		20:50	0.13 ↓		20:50	0.38 ↓		21:40	0.30 ↓		21:20	0.46 ↓		
14 TER 	01:40	2.52 ↑	30 QUI	02:20	2.29 ↑	14 SEX	03:00	2.71 ↑	30 DOM	02:50	2.54 ↑	14 SEG	03:40	2.73 ↑	30 QUA	03:30	2.75 ↑		
	07:10	0.59 ↓		07:50	0.53 ↓		08:50	0.35 ↓		09:00	0.34 ↓		10:00	0.29 ↓		10:10	0.36 ↓		
	13:40	2.74 ↑		14:10	2.52 ↓		15:10	2.80 ↑		15:10	2.63 ↑		16:10	2.65 ↑		16:10	2.56 ↑		
	20:20	0.23 ↓		20:50	0.41 ↓		21:30	0.19 ↓		21:20	0.39 ↓		22:10	0.43 ↓		22:00	0.50 ↓		
15 QUA	02:30	2.59 ↑	31 SEX	02:50	2.34 ↑	15 SAB	03:40	2.71 ↑	31 SEG	03:30	2.59 ↑	15 TER	04:20	2.63 ↑					
	08:10	0.52 ↓		08:30	0.49 ↓		09:40	0.32 ↓		09:40	0.33 ↓		10:40	0.37 ↓					
	14:30	2.77 ↑		14:50	2.55 ↑		15:50	2.75 ↑		15:50	2.61 ↑		16:50	2.49 ↑					
	21:10	0.20 ↓		21:20	0.41 ↓		22:10	0.27 ↓		21:50	0.41 ↓		22:40	0.52 ↓					
16 QUI	03:20	2.61 ↑				16 DOM	04:20	2.66 ↑				16 QUA	04:50	2.51 ↑					
	09:00	0.50 ↓					10:20	0.37 ↓					11:20	0.46 ↓					
	15:20	2.75 ↑					16:30	2.66 ↑					17:30	2.31 ↑					
	21:50	0.27 ↓											23:10	0.57 ↓					



OCA PREVÊ | Tábua de Marés 2026
Estação: Rio Pará, PA
Latitude: 1°43'17.70" S | Longitude: 49°20'29.10" W | UTC -3

OUTUBRO						NOVEMBRO						DEZEMBRO							
DIA	HH:MM	ALT (m)	DIA	HH:MM	ALT (m)	DIA	HH:MM	ALT (m)	DIA	HH:MM	ALT (m)	DIA	HH:MM	ALT (m)	DIA	HH:MM	ALT (m)		
01 QUI	04:20	2.68 ↑	17 SAB	05:20	2.24 ↑	01 DOM	05:40	2.42 ↑	17 TER	00:10	0.63 ↓	01 TER	00:20	0.68 ↓	17 QUI	00:50	0.51 ↓		
	10:50	0.45 ↓		12:10	0.61 ↓		12:40	0.61 ↓		06:30	2.05 ↑		06:40	2.30 ↑		07:00	2.11 ↑		
	17:00	2.42 ↑		18:20	1.95 ↑		18:50	2.15 ↑		13:10	0.60 ↓		13:20	0.56 ↓		13:20	0.49 ↓		
	22:40	0.57 ↓		23:40	0.67 ↓					19:30	1.92 ↑		19:40	2.20 ↑		19:40	2.11 ↑		
02 SEX	05:00	2.59 ↑	18 DOM	06:00	2.10 ↑	02 SEG	00:30	0.72 ↓	18 QUA	01:20	0.60 ↓	02 QUA	01:40	0.64 ↓	18 SEX	01:50	0.51 ↓		
	11:40	0.54 ↓		13:00	0.66 ↓		06:50	2.27 ↑		07:30	2.02 ↑		07:50	2.22 ↑		08:00	2.11 ↑		
	17:50	2.28 ↑		19:10	1.86 ↑		13:40	0.64 ↓		14:10	0.60 ↓		14:20	0.55 ↓		14:10	0.51 ↓		
	23:30	0.64 ↓					20:00	2.11 ↑		20:30	1.99 ↑		20:40	2.22 ↑		20:40	2.20 ↑		
03 SAB	06:00	2.43 ↑	19 SEG	00:30	0.69 ↓	03 TER	01:50	0.71 ↓	19 QUI	02:30	0.58 ↓	03 QUI	02:50	0.60 ↓	19 SAB	03:00	0.52 ↓		
	12:50	0.61 ↓		07:00	2.00 ↑		08:10	2.19 ↑		08:40	2.07 ↑		09:00	2.20 ↑		09:10	2.16 ↑		
	18:50	2.14 ↑		14:00	0.69 ↓		14:50	0.60 ↓		15:00	0.58 ↓		15:20	0.52 ↓		15:10	0.53 ↓		
				20:10	1.83 ↑		21:10	2.16 ↑		21:30	2.11 ↑		21:40	2.29 ↑		21:40	2.31 ↑		
04 DOM	00:40	0.69 ↓	20 TER	01:40	0.68 ↓	04 QUA	03:10	0.66 ↓	20 SEX	03:40	0.55 ↓	04 SEX	04:00	0.51 ↓	20 DOM	04:10	0.52 ↓		
	07:00	2.28 ↑		08:10	1.98 ↑		09:30	2.21 ↑		09:50	2.16 ↑		10:10	2.24 ↑		10:20	2.24 ↑		
	14:00	0.68 ↓		15:00	0.70 ↓		16:00	0.49 ↓		16:00	0.56 ↓		16:20	0.47 ↓		16:10	0.55 ↓		
	20:10	2.07 ↑		21:10	1.89 ↑		22:20	2.29 ↑		22:20	2.27 ↑		22:40	2.38 ↑		22:40	2.44 ↑		
05 SEG	01:50	0.75 ↓	21 QUA	03:00	0.66 ↓	05 QUI	04:30	0.52 ↓	21 SAB	04:40	0.50 ↓	05 SAB	05:00	0.40 ↓	21 SEG	05:20	0.48 ↓		
	08:20	2.19 ↑		09:20	2.04 ↑		10:40	2.31 ↑		11:00	2.27 ↑		11:10	2.31 ↑		11:20	2.33 ↑		
	15:20	0.64 ↓		16:00	0.66 ↓		17:00	0.38 ↓		16:50	0.53 ↓		17:10	0.45 ↓		17:00	0.59 ↓		
	21:40	2.11 ↑		22:20	2.02 ↑		23:20	2.44 ↑		23:10	2.44 ↑		23:30	2.48 ↑		23:30	2.57 ↑		
06 TER	03:20	0.72 ↓	22 QUI	04:10	0.60 ↓	06 SEX	05:30	0.36 ↓	22 DOM	05:40	0.43 ↓	06 DOM	06:00	0.28 ↓	22 TER	06:20	0.42 ↓		
	09:50	2.22 ↑		10:30	2.15 ↑		11:40	2.44 ↑		11:50	2.40 ↑		12:10	2.37 ↑		12:20	2.41 ↑		
	16:30	0.51 ↓		16:50	0.59 ↓		17:50	0.31 ↓		17:40	0.52 ↓		18:00	0.43 ↓		18:00	0.59 ↓		
	22:50	2.26 ↑		23:10	2.20 ↑														
07 QUA	04:40	0.60 ↓	23 SEX	05:20	0.50 ↓	07 SAB	00:00	2.58 ↑	23 SEG	00:00	2.59 ↑	07 SEG	00:10	2.56 ↑	23 QUA	00:30	2.67 ↑		
	11:00	2.35 ↑		11:30	2.30 ↑		06:20	0.24 ↓		06:40	0.35 ↓		06:50	0.22 ↓		07:10	0.38 ↓		
	17:30	0.35 ↓		17:40	0.51 ↓		12:40	2.54 ↑		12:50	2.49 ↑		13:00	2.42 ↑		13:20	2.48 ↑		
	23:50	2.45 ↑		23:50	2.39 ↑		18:40	0.26 ↓		18:30	0.51 ↓		18:40	0.47 ↓		18:50	0.62 ↓		
08 QUI	05:50	0.40 ↓	24 SAB	06:10	0.40 ↓	08 DOM	00:50	2.69 ↑	24 TER	00:50	2.71 ↑	08 TER	01:00	2.60 ↑	24 QUI	01:20	2.74 ↑		
	12:10	2.52 ↑		12:20	2.44 ↑		07:10	0.16 ↓		07:30	0.31 ↓		07:40	0.20 ↓		08:00	0.36 ↓		
	18:30	0.19 ↓		18:20	0.47 ↓		13:30	2.60 ↑		13:30	2.57 ↑		13:50	2.42 ↑		14:10	2.53 ↑		
							19:20	0.30 ↓		19:10	0.55 ↓		19:20	0.51 ↓		19:40	0.63 ↓		
09 SEX	00:40	2.62 ↑	25 DOM	00:40	2.55 ↑	09 SEG	01:30	2.74 ↑	25 QUA	01:30	2.79 ↑	09 QUA	01:40	2.62 ↑	25 SEX	02:10	2.77 ↑		
	06:40	0.27 ↓		07:00	0.32 ↓		08:00	0.13 ↓		08:10	0.35 ↓		08:20	0.25 ↓		08:50	0.35 ↓		
	13:00	2.66 ↑		13:10	2.56 ↑		14:10	2.61 ↑		14:20	2.58 ↑		14:30	2.40 ↑		15:00	2.55 ↑		
	19:10	0.17 ↓		19:00	0.45 ↓		19:50	0.42 ↓		20:00	0.56 ↓		20:00	0.55 ↓		20:40	0.59 ↓		
10 SAB	01:20	2.75 ↑	26 SEG	01:20	2.69 ↑	10 TER	02:10	2.73 ↑	26 QUI	02:20	2.80 ↑	10 QUI	02:10	2.60 ↑	26 SAB	03:00	2.75 ↑		
	07:30	0.17 ↓		07:40	0.30 ↓		08:40	0.20 ↓		09:00	0.37 ↓		09:00	0.32 ↓		09:40	0.35 ↓		
	13:50	2.74 ↑		13:50	2.63 ↑		14:50	2.55 ↑		15:10	2.55 ↑		15:00	2.35 ↑		15:50	2.53 ↑		
	19:50	0.20 ↓		19:40	0.46 ↓		20:30	0.48 ↓		20:40	0.62 ↓		20:30	0.59 ↓		21:30	0.59 ↓		
11 DOM	02:00	2.80 ↑	27 TER	02:00	2.77 ↑	11 QUA	02:40	2.68 ↑	27 SEX	03:00	2.78 ↑	11 SEX	02:50	2.55 ↑	27 DOM	03:40	2.70 ↑		
	08:20	0.13 ↓		08:30	0.29 ↓		09:20	0.29 ↓		09:50	0.41 ↓		09:30	0.42 ↓		10:30	0.37 ↓		
	14:30	2.75 ↑		14:30	2.65 ↑		15:30	2.45 ↑		15:50	2.49 ↑		15:40	2.28 ↑		16:40	2.48 ↑		
	20:30	0.27 ↓		20:20	0.49 ↓		21:00	0.56 ↓		21:30	0.65 ↓		21:00	0.61 ↓		22:20	0.59 ↓		
12 SEG	02:40	2.80 ↑	28 QUA	02:30	2.82 ↑	12 QUI	03:10	2.60 ↑	28 SAB	03:50	2.69 ↑	12 SAB	03:20	2.49 ↑	28 SEG	04:30	2.61 ↑		
	09:00	0.18 ↓		09:10	0.34 ↓		10:00	0.39 ↓		10:40	0.46 ↓		10:10	0.47 ↓		11:10	0.45 ↓		
	15:10	2.69 ↑		15:20	2.60 ↑		16:00	2.33 ↑		16:40	2.40 ↑		16:10	2.20 ↑		17:20	2.42 ↑		
	21:00	0.40 ↓		21:00	0.53 ↓		21:30	0.60 ↓		22:20	0.68 ↓		21:30	0.62 ↓		23:10	0.59 ↓		
13 TER	03:10	2.74 ↑	29 QUI	03:10	2.80 ↑	13 SEX	03:40	2.50 ↑	29 DOM	04:40	2.57 ↑	13 DOM	03:50	2.41 ↑	29 TER	05:30	2.49 ↑		
	09:40	0.27 ↓		09:50	0.43 ↓		10:30	0.49 ↓		11:30	0.51 ↓		10:40	0.51 ↓		12:00	0.48 ↓		
	15:50	2.57 ↑		16:00	2.52 ↑		16:30	2.21 ↑		17:40	2.30 ↑		16:40	2.13 ↑		18:10	2.35 ↑		
	21:30	0.51 ↓		21:40	0.60 ↓		22:00	0.62 ↓		23:20	0.68 ↓		22:10	0.60 ↓					
14 QUA	03:40	2.64 ↑	30 SEX	04:00	2.71 ↑	14 SAB	04:10	2.38 ↑	30 SEG	05:30	2.44 ↑	14 SEG	04:30	2.32 ↑	30 QUA	00:10	0.57 ↓		
	10:20	0.37 ↓		10:40	0.50 ↓		11:10	0.54 ↓		12:20	0.56 ↓		11:10	0.51 ↓		06:20	2.38 ↑		
	16:20	2.43 ↑		16:50	2.39 ↑		17:10	2.08 ↑		18:40	2.23 ↑		17:10	2.08 ↑		12:50	0.51 ↓		
	22:00	0.57 ↓		22:30	0.64 ↓		22:30	0.64 ↓					23:00	0.56 ↓		19:10	2.29 ↑		
15 QUI	04:10	2.52 ↑	31 SAB	04:40	2.60 ↑	15 DOM	04:50	2.26 ↑				15 TER	05:10	2.23 ↑	31 QUI	01:20	0.56 ↓		
	11:00	0.47 ↓		11:30	0.58 ↓		11:40	0.58 ↓		11:40	0.50 ↓		11:50	0.50 ↓		07:20	2.27 ↑		
	17:00	2.26 ↑		17:40	2.27 ↑		17:40	1.98 ↑					18:00	2.06 ↑		13:40	0.54 ↓		
	22:30	0.61 ↓		23:20	0.70 ↓		23:20	0.63 ↓					23:50	0.53 ↓		22:00	1.86 ↑		
16 SEX	04:40	2.38 ↑				16 SEG	05:30	2.14 ↑				16 QUA	06:00	2.16 ↑					
	11:30	0.55 ↓					12:20	0.59 ↓					12:30	0.49 ↓				12:30	0.49 ↓
	17:30	2.10 ↑					18:30	1.92 ↑					18:40	2.06 ↑				18:40	2.06 ↑
	23:00	0.64 ↓																	