

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 QUA	05:40 12:10 17:40	0.70 ↓ 2.68 ↑ 0.75 ↓	17 SEX	00:50 07:40 13:40 19:10	3.04 ↑ 0.64 ↓ 2.79 ↑ 0.82 ↓	01 SAB	00:40 07:10 13:20 19:10	3.32 ↑ 0.42 ↓ 3.02 ↑ 0.51 ↓	17 SEG	01:30 07:50 13:50 19:50	3.06 ↑ 0.67 ↓ 2.83 ↑ 0.68 ↓	01 SAB	06:10 12:10 18:10	0.29 ↓ 3.25 ↑ 0.27 ↓	17 SEG	00:40 06:40 12:30 18:50	3.17 ↑ 0.56 ↓ 3.03 ↑ 0.49 ↓
02 QUI	00:00 06:50 12:50 18:20	3.07 ↑ 0.62 ↓ 2.71 ↑ 0.78 ↓	18 SAB	01:30 08:10 14:20 19:50	3.01 ↑ 0.70 ↓ 2.74 ↑ 0.83 ↓	02 DOM	01:20 07:50 14:00 19:50	3.33 ↑ 0.41 ↓ 3.03 ↑ 0.54 ↓	18 TER	02:00 08:10 14:10 20:30	2.92 ↑ 0.74 ↓ 2.77 ↑ 0.76 ↓	02 DOM	00:30 06:40 12:50 18:50	3.50 ↑ 0.29 ↓ 3.28 ↑ 0.28 ↓	18 TER	01:00 07:00 13:00 19:20	3.05 ↑ 0.63 ↓ 2.95 ↑ 0.59 ↓
03 SEX	00:40 07:30 13:40 19:10	3.09 ↑ 0.61 ↓ 2.73 ↑ 0.79 ↓	19 DOM	02:00 08:40 14:50 20:30	2.95 ↑ 0.74 ↓ 2.70 ↑ 0.85 ↓	03 SEG	02:10 08:30 14:40 20:40	3.26 ↑ 0.46 ↓ 3.01 ↑ 0.59 ↓	19 QUA	02:30 08:30 14:40 21:10	2.73 ↑ 0.86 ↓ 2.70 ↑ 0.87 ↓	03 SEG	01:10 07:20 13:20 19:40	3.46 ↑ 0.32 ↓ 3.25 ↑ 0.34 ↓	19 QUA	01:30 07:20 13:20 19:50	2.88 ↑ 0.75 ↓ 2.88 ↑ 0.72 ↓
04 SAB	01:30 08:20 14:30 20:10	3.09 ↑ 0.58 ↓ 2.76 ↑ 0.78 ↓	20 SEG	02:40 09:10 15:20 21:10	2.85 ↑ 0.79 ↓ 2.66 ↑ 0.88 ↓	04 TER	02:50 09:10 15:20 21:40	3.12 ↑ 0.57 ↓ 2.95 ↑ 0.67 ↓	20 QUI	03:10 09:00 15:20 22:10	2.51 ↑ 1.00 ↓ 2.61 ↑ 1.00 ↓	04 TER	01:50 08:00 14:00 20:20	3.33 ↑ 0.44 ↓ 3.14 ↑ 0.49 ↓	20 QUI	02:00 07:40 13:50 20:30	2.66 ↑ 0.90 ↓ 2.87 ↑ 0.87 ↓
05 DOM	02:20 09:00 15:10 21:00	3.07 ↑ 0.58 ↓ 2.80 ↑ 0.78 ↓	21 TER	03:20 09:40 15:50 22:10	2.71 ↑ 0.85 ↓ 2.62 ↑ 0.92 ↓	05 QUA	03:50 09:50 16:10 22:40	2.90 ↑ 0.71 ↓ 2.84 ↑ 0.80 ↓	21 SEX	04:10 09:40 16:10 23:20	2.27 ↑ 1.16 ↓ 2.49 ↑ 1.11 ↓	05 QUA	02:40 08:40 14:50 21:20	3.08 ↑ 0.62 ↓ 2.95 ↑ 0.65 ↓	21 SEX	02:40 08:10 14:30 21:30	2.42 ↑ 1.07 ↓ 2.64 ↑ 1.03 ↓
06 SEG	03:10 09:40 16:00 22:00	3.01 ↑ 0.61 ↓ 2.84 ↑ 0.78 ↓	22 QUA	04:10 10:10 16:40 23:10	2.55 ↑ 0.93 ↓ 2.60 ↑ 0.97 ↓	06 QUI	04:50 10:40 17:00 23:50	2.65 ↑ 0.88 ↓ 2.72 ↑ 0.94 ↓	22 SAB	05:20 10:30 17:30	2.10 ↑ 1.29 ↓ 2.41 ↑	06 QUI	03:30 09:20 15:40 22:20	2.78 ↑ 0.85 ↓ 2.73 ↑ 0.85 ↓	22 SAB	03:30 08:40 15:20 22:40	2.18 ↑ 1.25 ↓ 2.45 ↑ 1.16 ↓
07 TER	04:10 10:30 16:50 23:10	2.91 ↑ 0.67 ↓ 2.86 ↑ 0.79 ↓	23 QUI	05:00 10:50 17:30	2.40 ↑ 1.02 ↓ 2.59 ↑	07 SEX	06:00 11:40 18:10	2.43 ↑ 1.05 ↓ 2.62 ↑	23 DOM	00:50 07:00 12:10 19:00	1.20 ↓ 2.10 ↑ 1.26 ↓ 2.48 ↑	07 SEX	04:40 10:20 16:40 23:50	2.47 ↑ 1.07 ↓ 2.52 ↑ 1.05 ↓	23 DOM	05:00 10:00 16:50	2.03 ↑ 1.39 ↓ 2.30 ↑
08 QUA	05:10 11:20 17:40	2.79 ↑ 0.74 ↓ 2.88 ↑	24 SEX	00:10 06:10 11:40 18:20	1.00 ↓ 2.29 ↑ 1.08 ↓ 2.61 ↑	08 SAB	01:20 07:40 12:50 19:30	1.04 ↓ 2.33 ↑ 1.18 ↓ 2.60 ↑	24 SEG	02:20 08:30 13:40 20:20	1.16 ↓ 2.25 ↑ 1.14 ↓ 2.66 ↑	08 SAB	06:20 11:30 18:00	2.26 ↑ 1.27 ↓ 2.41 ↑	24 SEG	00:20 07:00 12:00 18:40	1.23 ↓ 2.12 ↑ 1.31 ↓ 2.44 ↑
09 QUI	00:10 06:20 12:10 18:40	0.82 ↓ 2.67 ↑ 0.83 ↓ 2.88 ↑	25 SAB	01:30 07:30 12:40 19:30	1.04 ↓ 2.27 ↑ 1.09 ↓ 2.67 ↑	09 DOM	02:40 09:00 14:20 20:50	0.97 ↓ 2.40 ↑ 1.20 ↓ 2.68 ↑	25 TER	03:20 09:20 15:00 21:30	0.96 ↓ 2.50 ↑ 0.94 ↓ 2.88 ↑	09 DOM	01:30 08:00 13:20 19:40	1.05 ↓ 2.29 ↑ 1.35 ↓ 2.48 ↑	25 TER	01:50 08:00 13:40 20:00	1.13 ↓ 2.37 ↑ 1.13 ↓ 2.69 ↑
10 SEX	01:30 07:30 13:10 19:40	0.85 ↓ 2.59 ↑ 0.91 ↓ 2.89 ↑	26 DOM	02:40 08:40 13:50 20:30	1.01 ↓ 2.33 ↑ 1.02 ↓ 2.77 ↑	10 SEG	03:50 10:00 15:30 21:50	0.78 ↓ 2.57 ↑ 1.07 ↓ 2.82 ↑	26 QUA	04:10 10:10 15:50 22:20	0.74 ↓ 2.75 ↑ 0.71 ↓ 3.11 ↑	10 SEG	02:50 09:10 14:40 20:50	0.83 ↓ 2.49 ↑ 1.16 ↓ 2.67 ↑	26 QUA	02:40 08:50 14:50 21:10	0.92 ↓ 2.68 ↑ 0.83 ↓ 2.97 ↑
11 SAB	02:40 08:40 14:10 20:40	0.83 ↓ 2.59 ↑ 0.96 ↓ 2.91 ↑	27 SEG	03:30 09:30 15:00 21:30	0.92 ↓ 2.45 ↑ 0.92 ↓ 2.89 ↑	11 TER	04:50 10:50 16:20 22:50	0.58 ↓ 2.73 ↑ 0.91 ↓ 2.96 ↑	27 QUI	04:50 10:50 16:40 23:00	0.55 ↓ 2.98 ↑ 0.50 ↓ 3.31 ↑	11 TER	03:40 10:00 15:40 21:50	0.64 ↓ 2.71 ↑ 0.88 ↓ 2.88 ↑	27 QUI	03:30 09:30 15:40 22:00	0.67 ↓ 2.98 ↑ 0.52 ↓ 3.22 ↑
12 DOM	03:40 09:50 15:20 21:40	0.78 ↓ 2.63 ↑ 0.95 ↓ 2.94 ↑	28 TER	04:30 10:20 16:00 22:30	0.78 ↓ 2.60 ↑ 0.80 ↓ 3.01 ↑	12 QUA	05:30 11:30 17:10 23:30	0.50 ↓ 2.86 ↑ 0.76 ↓ 3.08 ↑	28 SEX	05:30 11:30 17:30 23:50	0.39 ↓ 3.15 ↑ 0.33 ↓ 3.44 ↑	12 QUA	04:20 10:30 16:20 22:30	0.52 ↓ 2.90 ↑ 0.67 ↓ 3.06 ↑	28 SEX	04:10 10:10 16:20 22:40	0.48 ↓ 3.23 ↑ 0.31 ↓ 3.43 ↑
13 SEG	04:40 10:50 16:10 22:40	0.69 ↓ 2.70 ↑ 0.92 ↓ 2.99 ↑	29 QUA	05:10 11:10 16:50 23:10	0.67 ↓ 2.75 ↑ 0.68 ↓ 3.15 ↑	13 QUI	06:00 12:00 17:50	0.52 ↓ 2.95 ↑ 0.66 ↓				13 QUI	05:00 11:00 16:50 23:10	0.44 ↓ 3.04 ↑ 0.55 ↓ 3.17 ↑	29 SAB	04:50 10:50 17:10 23:20	0.33 ↓ 3.40 ↑ 0.14 ↓ 3.55 ↑
14 TER	05:30 11:40 17:10 23:30	0.64 ↓ 2.77 ↑ 0.87 ↓ 3.02 ↑	30 QUI	05:50 11:50 17:40	0.56 ↓ 2.87 ↑ 0.59 ↓	14 SEX	00:00 06:30 12:30 18:20	3.15 ↑ 0.55 ↓ 2.97 ↑ 0.62 ↓				14 SEX	05:30 11:20 17:20 23:40	0.45 ↓ 3.11 ↑ 0.47 ↓ 3.23 ↑	30 DOM	05:30 11:30 17:50	0.25 ↓ 3.47 ↑ 0.11 ↓
15 QUA	06:20 12:30 17:50	0.59 ↓ 2.80 ↑ 0.84 ↓	31 SEX	00:00 06:30 12:40 18:20	3.25 ↑ 0.47 ↓ 2.96 ↑ 0.54 ↓	15 SAB	00:30 07:00 13:00 18:50	3.17 ↑ 0.58 ↓ 2.95 ↑ 0.61 ↓				15 SAB	05:50 11:50 17:50	0.51 ↓ 3.12 ↑ 0.43 ↓	31 SEG	00:10 06:10 12:10 18:30	3.54 ↑ 0.25 ↓ 3.45 ↑ 0.18 ↓
16 QUI	00:10 07:00 13:10 18:30	3.05 ↑ 0.61 ↓ 2.81 ↑ 0.82 ↓				16 DOM	01:00 07:20 13:20 19:20	3.14 ↑ 0.63 ↓ 2.90 ↑ 0.63 ↓				16 DOM	00:10 06:20 12:10 18:20	3.23 ↑ 0.52 ↓ 3.09 ↑ 0.43 ↓			

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 TER	00:50	3.44 ↑	17 QUI	01:00	2.75 ↑	01 QUI	01:20	3.07 ↑	17 SAB	01:30	2.45 ↑	01 DOM	03:20	2.60 ↑	17 TER	03:10	2.54 ↑		
	06:50	0.34 ↓		06:40	0.81 ↓		07:00	0.64 ↓		06:40	1.03 ↓		08:30	1.06 ↓		08:40	0.99 ↓		
	12:50	3.34 ↑		12:40	2.94 ↑		13:10	3.09 ↑		13:00	2.80 ↑		14:40	2.74 ↑		14:50	2.82 ↑		
	19:20	0.29 ↓		19:30	0.74 ↓		20:00	0.53 ↓		20:10	0.87 ↓		21:50	0.77 ↓		21:40	0.75 ↓		
02 QUA	01:30	3.25 ↑	18 SEX	01:40	2.53 ↑	02 SEX	02:20	2.81 ↑	18 DOM	02:30	2.32 ↑	02 SEG	04:20	2.53 ↑	18 QUA	04:00	2.62 ↑		
	07:30	0.51 ↓		07:00	0.97 ↓		07:50	0.86 ↓		07:30	1.14 ↓		09:40	1.16 ↓		09:50	0.94 ↓		
	13:30	3.15 ↑		13:20	2.81 ↑		14:00	2.85 ↑		13:50	2.67 ↑		15:40	2.64 ↑		15:50	2.81 ↑		
	20:10	0.47 ↓		20:10	0.89 ↓		21:00	0.71 ↓		21:10	0.93 ↓		22:40	0.84 ↓		22:30	0.74 ↓		
03 QUI	02:30	2.94 ↑	19 SAB	02:30	2.31 ↑	03 SAB	03:30	2.56 ↑	19 SEG	03:30	2.28 ↑	03 TER	05:20	2.53 ↑	19 QUI	04:50	2.74 ↑		
	08:10	0.74 ↓		07:30	1.14 ↓		08:50	1.08 ↓		08:40	1.20 ↓		10:50	1.18 ↓		11:00	0.88 ↓		
	14:20	2.90 ↑		14:00	2.64 ↓		15:00	2.63 ↑		15:00	2.57 ↑		16:50	2.59 ↑		17:00	2.80 ↑		
	21:00	0.69 ↓		21:10	1.02 ↓		22:10	0.86 ↓		22:10	0.95 ↓		23:40	0.86 ↓		23:20	0.73 ↓		
04 SEX	03:30	2.63 ↑	20 DOM	03:30	2.15 ↑	04 DOM	04:50	2.41 ↑	20 TER	04:40	2.36 ↑	04 QUA	06:10	2.59 ↑	20 SEX	05:50	2.87 ↑		
	09:00	0.99 ↓		08:30	1.29 ↓		10:10	1.26 ↓		10:10	1.16 ↓		12:00	1.11 ↓		12:10	0.81 ↓		
	15:10	2.64 ↑		15:00	2.44 ↑		16:10	2.49 ↑		16:20	2.58 ↑		17:50	2.59 ↑		18:10	2.80 ↑		
	22:20	0.89 ↓		22:30	1.10 ↓		23:20	0.92 ↓		23:10	0.92 ↓								
05 SAB	04:50	2.37 ↑	21 SEG	05:00	2.13 ↑	05 SEG	06:10	2.41 ↑	21 QUA	05:40	2.53 ↑	05 QUI	00:20	0.88 ↓	21 SAB	00:10	0.72 ↓		
	10:10	1.22 ↓		10:00	1.34 ↓		11:40	1.32 ↓		11:30	1.05 ↓		06:50	2.70 ↑		06:40	3.00 ↑		
	16:20	2.43 ↑		16:30	2.37 ↑		17:30	2.47 ↑		17:40	2.69 ↑		13:00	0.98 ↓		13:10	0.74 ↓		
	23:50	1.02 ↓		23:50	1.12 ↓								18:50	2.62 ↑		19:10	2.81 ↑		
06 DOM	06:40	2.27 ↑	22 TER	06:30	2.30 ↑	06 TER	00:30	0.88 ↓	22 QUI	00:10	0.84 ↓	06 SEX	01:00	0.86 ↓	22 DOM	01:00	0.72 ↓		
	11:50	1.39 ↓		12:00	1.23 ↓		07:10	2.54 ↑		06:30	2.77 ↑		07:30	2.82 ↑		07:30	3.10 ↑		
	18:00	2.38 ↑		18:10	2.53 ↑		13:00	1.16 ↓		12:40	0.88 ↓		13:50	0.82 ↓		14:10	0.68 ↓		
							18:50	2.56 ↑		18:50	2.84 ↑		19:50	2.68 ↑		20:20	2.82 ↑		
07 SEG	01:10	0.95 ↓	23 QUA	01:00	1.01 ↓	07 QUA	01:30	0.77 ↓	23 SEX	01:00	0.74 ↓	07 SAB	01:40	0.82 ↓	23 SEG	02:00	0.72 ↓		
	08:00	2.42 ↑		07:20	2.58 ↑		07:50	2.73 ↑		07:20	3.01 ↑		08:00	2.93 ↑		08:30	3.15 ↑		
	13:30	1.26 ↓		13:20	1.01 ↓		13:50	0.94 ↓		13:50	0.66 ↓		14:30	0.69 ↓		15:10	0.64 ↓		
	19:30	2.52 ↑		19:30	2.78 ↑		19:50	2.71 ↑		19:50	2.99 ↑		20:40	2.73 ↑		21:20	2.85 ↑		
08 TER	02:20	0.74 ↓	24 QUI	01:50	0.83 ↓	08 QUI	02:10	0.72 ↓	24 SAB	01:50	0.63 ↓	08 DOM	02:20	0.76 ↓	24 TER	03:00	0.72 ↓		
	08:40	2.65 ↑		08:10	2.88 ↑		08:30	2.90 ↑		08:10	3.22 ↑		08:40	3.02 ↑		09:20	3.18 ↑		
	14:30	0.98 ↓		14:20	0.71 ↓		14:40	0.70 ↓		14:40	0.49 ↓		15:20	0.59 ↓		16:10	0.60 ↓		
	20:30	2.73 ↑		20:30	3.03 ↑		20:40	2.85 ↑		20:50	3.10 ↑		21:20	2.77 ↑		22:20	2.87 ↑		
09 QUA	03:00	0.63 ↓	25 SEX	02:40	0.64 ↓	09 SEX	02:50	0.65 ↓	25 DOM	02:40	0.54 ↓	09 SEG	02:50	0.71 ↓	25 QUA	03:50	0.73 ↓		
	09:20	2.87 ↑		08:50	3.16 ↑		09:00	3.05 ↑		09:00	3.36 ↑		09:10	3.07 ↑		10:20	3.17 ↑		
	15:20	0.70 ↓		15:10	0.44 ↓		15:20	0.52 ↓		15:30	0.37 ↓		16:00	0.55 ↓		17:10	0.56 ↓		
	21:20	2.93 ↑		21:20	3.25 ↑		21:20	2.97 ↑		21:40	3.18 ↑		22:00	2.77 ↑		23:20	2.88 ↑		
10 QUI	03:40	0.53 ↓	26 SAB	03:20	0.48 ↓	10 SAB	03:20	0.61 ↓	26 SEG	03:30	0.49 ↓	10 TER	03:30	0.68 ↓	26 QUI	04:50	0.74 ↓		
	09:50	3.04 ↑		09:30	3.38 ↑		09:30	3.15 ↑		09:40	3.43 ↑		09:50	3.09 ↑		11:10	3.15 ↑		
	15:50	0.53 ↓		16:00	0.23 ↓		15:50	0.42 ↓		16:20	0.33 ↓		16:40	0.55 ↓		18:00	0.56 ↓		
	22:10	3.07 ↑		22:10	3.39 ↑		22:00	3.03 ↑		22:30	3.19 ↑		22:40	2.75 ↑					
11 SEX	04:10	0.51 ↓	27 DOM	04:10	0.35 ↓	11 DOM	03:50	0.57 ↓	27 TER	04:20	0.48 ↓	11 QUA	04:10	0.68 ↓	27 SEX	00:10	2.88 ↑		
	10:10	3.16 ↑		10:20	3.50 ↑		10:00	3.21 ↑		10:30	3.41 ↑		10:30	3.06 ↑		05:40	0.77 ↓		
	16:30	0.37 ↓		16:40	0.15 ↓		16:30	0.36 ↓		17:10	0.35 ↓		17:20	0.59 ↓		12:00	3.11 ↑		
	22:40	3.17 ↑		23:00	3.45 ↑		22:40	3.03 ↑		23:20	3.15 ↑		23:20	2.70 ↑		19:00	0.53 ↓		
12 SAB	04:40	0.49 ↓	28 SEG	04:50	0.31 ↓	12 SEG	04:20	0.54 ↓	28 QUA	05:00	0.54 ↓	12 QUI	04:40	0.74 ↓	28 SAB	01:10	2.83 ↑		
	10:40	3.22 ↑		11:00	3.53 ↑		10:20	3.21 ↑		11:20	3.33 ↑		11:10	3.02 ↑		06:30	0.82 ↓		
	17:00	0.32 ↓		17:30	0.14 ↓		17:00	0.37 ↓		18:00	0.41 ↓		18:00	0.65 ↓		12:50	3.05 ↑		
	23:10	3.21 ↑		23:40	3.42 ↑		23:10	2.99 ↑								19:40	0.59 ↓		
13 DOM	05:10	0.48 ↓	29 TER	05:30	0.35 ↓	13 TER	04:40	0.57 ↓	29 QUI	00:20	3.03 ↑	13 SEX	00:00	2.63 ↑	29 DOM	02:00	2.78 ↑		
	11:10	3.22 ↑		11:40	3.46 ↑		10:50	3.16 ↑		05:50	0.63 ↓		05:20	0.81 ↓		07:20	0.88 ↓		
	17:20	0.33 ↓		18:10	0.24 ↓		17:30	0.44 ↓		12:10	3.19 ↑		11:40	2.97 ↑		13:40	2.98 ↑		
	23:40	3.18 ↑					23:40	2.89 ↑		19:00	0.49 ↓		18:40	0.70 ↓		20:30	0.64 ↓		
14 SEG	05:30	0.51 ↓	30 QUA	00:30	3.28 ↑	14 QUA	05:10	0.63 ↓	30 SEX	01:10	2.90 ↑	14 SAB	00:40	2.56 ↑	30 SEG	02:50	2.71 ↑		
	11:30	3.17 ↑		06:20	0.46 ↓		11:20	3.09 ↑		06:40	0.77 ↓		06:00	0.89 ↓		08:10	0.93 ↓		
	17:50	0.37 ↓		12:30	3.30 ↑		18:00	0.54 ↓		13:00	3.03 ↑		12:20	2.93 ↑		14:20	2.90 ↑		
				19:00	0.37 ↓					19:50	0.60 ↓		19:20	0.75 ↓		21:10	0.72 ↓		
15 TER	00:10	3.08 ↑				15 QUI	00:10	2.76 ↑	31 SAB	02:10	2.75 ↑	15 DOM	01:30	2.51 ↑					
	05:50	0.56 ↓					05:40	0.74 ↓		07:40	0.92 ↓		06:50	0.95 ↓					
	11:50	3.10 ↑					11:50	3.01 ↑		13:50	2.88 ↑		13:10	2.88 ↑					
	18:20	0.46 ↓					18:40	0.66 ↓		20:50	0.69 ↓		20:10	0.76 ↓					
16 QUA	00:30	2.94 ↑				16 SEX	00:50	2.60 ↑				16 SEG	02:20	2.50 ↑					
	06:10	0.67 ↓					06:10	0.88 ↓					07:40	0.99 ↓					
	12:20	3.02 ↑					12:30	2.90 ↑					14:00	2.85 ↑					
	18:50	0.59 ↓					19:20	0.77 ↓					20:50	0.77 ↓					

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 TER	03:30	2.67 ↑	17 QUI	03:20	2.85 ↑	01 SEX	03:30	2.65 ↑	17 DOM	04:20	2.75 ↑	01 SEG	03:50	2.44 ↑	17 QUA	00:40	1.34 ↓
	09:00	0.98 ↓		09:20	0.75 ↓		09:40	0.90 ↓		11:10	0.91 ↓		11:00	1.13 ↓		07:00	2.46 ↑
	15:10	2.81 ↑		15:30	2.96 ↑		15:50	2.58 ↑		17:20	2.45 ↑		17:10	2.06 ↑		14:10	0.90 ↓
	21:50	0.79 ↓		21:50	0.65 ↓		21:50	0.94 ↓		23:00	1.02 ↓		22:10	1.35 ↓		20:40	2.47 ↑
02 QUA	04:10	2.63 ↑	18 SEX	04:10	2.87 ↑	02 SAB	04:10	2.58 ↑	18 SEG	05:30	2.61 ↑	02 TER	05:00	2.32 ↑	18 QUI	02:10	1.19 ↓
	09:50	1.00 ↓		10:20	0.77 ↓		10:40	0.97 ↓		12:40	1.06 ↓		12:40	1.26 ↓		08:20	2.64 ↑
	15:50	2.70 ↑		16:30	2.81 ↑		16:40	2.38 ↑		18:50	2.32 ↑		19:00	2.05 ↑		15:10	0.68 ↓
	22:30	0.86 ↓		22:40	0.73 ↓		22:30	1.05 ↓					23:50	1.33 ↓		21:30	2.72 ↑
03 QUI	04:50	2.62 ↑	19 SAB	05:00	2.86 ↑	03 DOM	05:00	2.53 ↑	19 TER	00:10	1.17 ↓	03 QUA	06:40	2.38 ↑	19 SEX	03:10	0.90 ↓
	10:50	1.01 ↓		11:30	0.82 ↓		11:50	1.05 ↓		06:50	2.56 ↑		14:10	1.20 ↓		09:30	2.87 ↑
	16:50	2.60 ↑		17:30	2.66 ↑		17:50	2.23 ↑		14:10	1.03 ↓		20:20	2.21 ↑		16:00	0.49 ↓
	23:10	0.91 ↓		23:30	0.82 ↓		23:20	1.14 ↓		20:30	2.36 ↑					22:10	2.93 ↑
04 SEX	05:30	2.64 ↑	20 DOM	06:00	2.84 ↑	04 SEG	06:00	2.51 ↑	20 QUA	01:50	1.22 ↓	04 QUI	01:30	1.21 ↓	20 SAB	04:00	0.64 ↓
	11:50	0.99 ↓		12:40	0.89 ↓		13:10	1.12 ↓		08:20	2.64 ↑		08:10	2.57 ↑		10:20	3.06 ↑
	17:50	2.51 ↑		18:50	2.54 ↑		19:10	2.18 ↑		15:20	0.84 ↓		15:10	0.99 ↓		16:40	0.40 ↓
	23:50	0.94 ↓								21:40	2.54 ↑		21:10	2.46 ↑		22:40	3.09 ↑
05 SAB	06:20	2.68 ↑	21 SEG	00:30	0.92 ↓	05 TER	00:20	1.17 ↓	21 QUI	03:10	1.08 ↓	05 SEX	02:50	0.99 ↓	21 DOM	04:40	0.46 ↓
	12:50	0.96 ↓		07:00	2.83 ↑		07:10	2.55 ↑		09:30	2.81 ↑		09:10	2.81 ↑		10:50	3.20 ↑
	18:50	2.45 ↑		14:00	0.92 ↓		14:30	1.10 ↓		16:20	0.61 ↓		15:50	0.78 ↓		17:10	0.41 ↓
				20:10	2.51 ↑		20:30	2.25 ↑		22:30	2.75 ↑		21:50	2.72 ↑		23:10	3.18 ↑
06 DOM	00:30	0.96 ↓	22 TER	01:30	0.98 ↓	06 QUA	01:40	1.11 ↓	22 SEX	04:10	0.85 ↓	06 SAB	03:40	0.73 ↓	22 SEG	05:10	0.39 ↓
	07:00	2.74 ↑		08:10	2.85 ↑		08:20	2.66 ↑		10:30	2.98 ↑		10:00	3.05 ↑		11:30	3.26 ↑
	13:50	0.91 ↓		15:10	0.87 ↓		15:30	0.97 ↓		17:10	0.45 ↓		16:30	0.58 ↓		17:40	0.44 ↓
	19:50	2.44 ↑		21:20	2.57 ↑		21:30	2.39 ↑		23:10	2.92 ↑		22:30	2.95 ↑		23:30	3.19 ↑
07 SEG	01:20	0.94 ↓	23 QUA	02:50	0.99 ↓	07 QUI	02:50	0.99 ↓	23 SAB	04:50	0.70 ↓	07 DOM	04:30	0.49 ↓	23 TER	05:40	0.38 ↓
	07:50	2.80 ↑		09:20	2.91 ↑		09:20	2.80 ↑		11:10	3.13 ↑		10:50	3.25 ↑		12:00	3.26 ↑
	14:50	0.86 ↓		16:20	0.72 ↓		16:20	0.82 ↓		17:40	0.44 ↓		17:10	0.42 ↓		18:00	0.51 ↓
	20:50	2.46 ↑		22:30	2.68 ↑		22:20	2.56 ↑		23:40	3.03 ↑		23:00	3.13 ↑			
08 TER	02:10	0.91 ↓	24 QUI	03:50	0.93 ↓	08 SEX	03:50	0.84 ↓	24 DOM	05:30	0.59 ↓	08 SEG	05:10	0.33 ↓	24 QUA	00:00	3.16 ↑
	08:40	2.86 ↑		10:20	2.99 ↑		10:20	2.95 ↑		11:50	3.22 ↑		11:30	3.39 ↑		06:10	0.40 ↓
	15:40	0.80 ↓		17:10	0.62 ↓		17:00	0.68 ↓		18:20	0.43 ↓		17:40	0.34 ↓		12:20	3.20 ↑
	21:40	2.51 ↑		23:20	2.80 ↑		23:00	2.73 ↑					23:40	3.25 ↑		18:20	0.56 ↓
09 QUA	03:00	0.86 ↓	25 SEX	04:50	0.84 ↓	09 SAB	04:40	0.69 ↓	25 SEG	00:10	3.07 ↑	09 TER	05:50	0.25 ↓	25 QUI	00:20	3.08 ↑
	09:30	2.91 ↑		11:20	3.07 ↑		11:00	3.10 ↑		06:10	0.53 ↓		12:10	3.47 ↑		06:40	0.46 ↓
	16:30	0.75 ↓		18:00	0.53 ↓		17:40	0.56 ↓		12:20	3.25 ↑		18:20	0.29 ↓		12:50	3.07 ↑
	22:30	2.57 ↑					23:40	2.86 ↑		18:50	0.49 ↓					18:40	0.63 ↓
10 QUI	03:50	0.81 ↓	26 SAB	00:10	2.88 ↑	10 DOM	05:20	0.58 ↓	26 TER	00:40	3.05 ↑	10 QUA	00:20	3.30 ↑	26 SEX	00:40	2.99 ↑
	10:20	2.96 ↑		05:40	0.76 ↓		11:40	3.22 ↑		06:40	0.53 ↓		06:30	0.25 ↓		07:00	0.56 ↓
	17:10	0.71 ↓		12:00	3.13 ↑		18:10	0.49 ↓		12:50	3.21 ↑		12:40	3.47 ↑		13:20	2.89 ↑
	23:10	2.62 ↑		18:40	0.52 ↓					19:10	0.58 ↓		18:50	0.34 ↓		19:00	0.75 ↓
11 SEX	04:40	0.77 ↓	27 DOM	00:50	2.92 ↑	11 SEG	00:10	2.97 ↑	27 QUA	01:10	2.99 ↑	11 QUI	01:00	3.27 ↑	27 SAB	01:10	2.89 ↑
	11:00	3.00 ↑		06:20	0.73 ↓		06:00	0.52 ↓		07:10	0.57 ↓		07:10	0.31 ↓		07:40	0.69 ↓
	17:50	0.68 ↓		12:40	3.15 ↑		12:20	3.30 ↑		13:20	3.12 ↑		13:30	3.34 ↑		13:50	2.66 ↑
	23:50	2.66 ↑		19:20	0.54 ↓		18:50	0.43 ↓		19:30	0.64 ↓		19:30	0.42 ↓		19:20	0.90 ↓
12 SAB	05:20	0.76 ↓	28 SEG	01:30	2.91 ↑	12 TER	00:50	3.03 ↑	28 QUI	01:30	2.90 ↑	12 SEX	01:30	3.20 ↑	28 DOM	01:30	2.78 ↑
	11:50	3.04 ↑		07:00	0.73 ↓		06:40	0.50 ↓		07:40	0.63 ↓		07:50	0.44 ↓		08:20	0.85 ↓
	18:30	0.65 ↓		13:20	3.12 ↑		13:00	3.33 ↑		13:50	2.97 ↑		14:10	3.14 ↑		14:30	2.41 ↑
				19:50	0.61 ↓		19:20	0.43 ↓		20:00	0.72 ↓		20:10	0.58 ↓		19:50	1.08 ↓
13 DOM	00:40	2.70 ↑	29 TER	02:00	2.86 ↑	13 QUA	01:30	3.06 ↑	29 SEX	02:00	2.81 ↑	13 SAB	02:10	3.05 ↑	29 SEG	02:10	2.62 ↑
	06:10	0.75 ↓		07:40	0.75 ↓		07:30	0.49 ↓		08:10	0.73 ↓		08:40	0.60 ↓		09:10	1.02 ↓
	12:30	3.08 ↑		13:50	3.05 ↑		13:40	3.29 ↑		14:20	2.76 ↑		15:00	2.85 ↑		15:20	2.16 ↑
	19:10	0.62 ↓		20:20	0.68 ↓		20:00	0.46 ↓		20:20	0.85 ↓		20:50	0.79 ↓		20:20	1.28 ↓
14 SEG	01:20	2.73 ↑	30 QUA	02:30	2.79 ↑	14 QUI	02:10	3.04 ↑	30 SAB	02:20	2.71 ↑	14 DOM	03:00	2.83 ↑	30 TER	03:00	2.42 ↑
	06:50	0.76 ↓		08:20	0.78 ↓		08:10	0.55 ↓		08:50	0.85 ↓		09:50	0.78 ↓		10:20	1.15 ↓
	13:10	3.10 ↑		14:30	2.93 ↑		14:20	3.17 ↑		15:00	2.51 ↑		16:10	2.53 ↑		16:50	2.02 ↑
	19:50	0.59 ↓		20:50	0.75 ↓		20:40	0.55 ↓		20:40	1.02 ↓		21:40	1.02 ↓		21:30	1.43 ↓
15 TER	02:00	2.77 ↑	31 QUI	03:00	2.72 ↑	15 SEX	02:50	2.99 ↑	31 DOM	03:00	2.59 ↑	15 SEG	04:00	2.59 ↑			
	07:40	0.75 ↓		09:00	0.84 ↓		09:00	0.63 ↓		09:40	1.00 ↓		11:00	0.98 ↓			
	13:50	3.10 ↑		15:00	2.77 ↑		15:10	2.96 ↑		15:50	2.26 ↑		17:40	2.30 ↑			
	20:30	0.59 ↓		21:20	0.84 ↓		21:20	0.68 ↓		21:10	1.20 ↓		22:50	1.22 ↓			
16 QUA	02:40	2.81 ↑				16 SAB	03:30	2.89 ↑				16 TER	05:20	2.44 ↑			
	08:30	0.74 ↓					10:00	0.75 ↓					12:40	1.08 ↓			
	14:40	3.05 ↑					16:10	2.70 ↑					19:20	2.29 ↑			
	21:10	0.61 ↓					22:00	0.85 ↓									



OCA PREVÊ | Tábua de Marés 2026
Estação: Cotijuba, PA
Latitude: 1°13'24.82" S | Longitude: 48°33'33.94" 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 QUA	04:20	2.25 ↑	17 SEX	02:00	1.01 ↓	01 SAB	00:50	1.06 ↓	17 SEG	03:00	0.58 ↓	01 SEG	01:10	0.75 ↓	17 QUA	03:00	0.71 ↓
	12:00	1.24 ↓		08:00	2.71 ↑		07:00	2.70 ↑		09:00	2.90 ↑		07:10	2.88 ↑		09:10	2.65 ↑
	18:50	2.09 ↑		14:40	0.60 ↓		13:20	0.87 ↓		15:00	0.67 ↓		13:10	0.68 ↓		14:40	0.81 ↓
	23:40	1.35 ↓		20:50	2.87 ↑		19:40	2.81 ↑		21:10	3.11 ↑		19:40	3.13 ↑		21:00	2.98 ↑
02 QUI	06:10	2.36 ↑	18 SAB	02:50	0.74 ↓	02 DOM	01:50	0.79 ↓	18 TER	03:40	0.47 ↓	02 TER	02:10	0.59 ↓	18 QUI	03:50	0.66 ↓
	13:20	1.16 ↓		09:00	2.90 ↑		08:00	2.93 ↑		09:40	2.95 ↑		08:10	2.99 ↑		09:50	2.67 ↑
	19:50	2.34 ↑		15:20	0.52 ↓		14:10	0.69 ↓		15:30	0.64 ↓		14:00	0.60 ↓		15:10	0.78 ↓
				21:30	3.04 ↑		20:20	3.09 ↑		21:40	3.16 ↑		20:20	3.29 ↑		21:40	3.01 ↑
03 SEX	01:30	1.18 ↓	19 DOM	03:30	0.54 ↓	03 SEG	02:50	0.51 ↓	19 QUA	04:10	0.44 ↓	03 QUA	03:00	0.47 ↓	19 SEX	04:30	0.65 ↓
	07:40	2.61 ↑		09:40	3.05 ↑		09:00	3.13 ↑		10:20	2.96 ↑		09:10	3.07 ↑		10:30	2.67 ↑
	14:20	0.95 ↓		15:50	0.51 ↓		14:50	0.54 ↓		16:00	0.62 ↓		14:50	0.55 ↓		15:50	0.76 ↓
	20:30	2.64 ↑		22:00	3.17 ↑		21:10	3.31 ↑		22:10	3.17 ↑		21:10	3.38 ↑		22:20	3.00 ↑
04 SAB	02:30	0.88 ↓	20 SEG	04:10	0.39 ↓	04 TER	03:30	0.33 ↓	20 QUI	04:50	0.44 ↓	04 QUI	04:00	0.39 ↓	20 SAB	05:10	0.66 ↓
	08:40	2.89 ↑		10:20	3.15 ↑		09:40	3.29 ↑		10:50	2.93 ↑		10:00	3.10 ↑		11:10	2.65 ↑
	15:00	0.74 ↓		16:20	0.51 ↓		15:40	0.41 ↓		16:30	0.61 ↓		15:40	0.52 ↓		16:30	0.77 ↓
	21:10	2.93 ↑		22:20	3.23 ↑		21:50	3.46 ↑		22:40	3.13 ↑		22:00	3.39 ↑		23:00	2.97 ↑
05 DOM	03:20	0.57 ↓	21 TER	04:40	0.34 ↓	05 QUA	04:20	0.20 ↓	21 SEX	05:20	0.49 ↓	05 SEX	04:50	0.39 ↓	21 DOM	05:50	0.69 ↓
	09:30	3.14 ↑		11:00	3.17 ↑		10:30	3.36 ↑		11:30	2.84 ↑		11:00	3.09 ↑		11:50	2.61 ↑
	15:40	0.55 ↓		16:50	0.52 ↓		16:20	0.35 ↓		17:00	0.65 ↓		16:40	0.53 ↓		17:10	0.81 ↓
	21:50	3.18 ↑		22:50	3.24 ↑		22:30	3.52 ↑		23:10	3.06 ↑		23:00	3.34 ↑		23:30	2.94 ↑
06 SEG	04:00	0.34 ↓	22 QUA	05:10	0.34 ↓	06 QUI	05:00	0.19 ↓	22 SAB	05:50	0.57 ↓	06 SAB	05:40	0.42 ↓	22 SEG	06:30	0.72 ↓
	10:20	3.34 ↑		11:20	3.16 ↑		11:20	3.35 ↑		12:00	2.73 ↑		11:50	3.04 ↑		12:30	2.56 ↑
	16:20	0.39 ↓		17:10	0.54 ↓		17:00	0.37 ↓		17:30	0.74 ↓		17:30	0.60 ↓		17:50	0.86 ↓
	22:30	3.36 ↑		23:10	3.19 ↑		23:20	3.48 ↑		23:40	2.98 ↑		23:50	3.25 ↑			
07 TER	04:40	0.20 ↓	23 QUI	05:40	0.38 ↓	07 SEX	05:50	0.23 ↓	23 DOM	06:30	0.67 ↓	07 DOM	06:40	0.45 ↓	23 TER	00:10	2.92 ↑
	11:00	3.47 ↑		11:50	3.07 ↑		12:00	3.27 ↑		12:40	2.58 ↑		12:50	2.95 ↑		07:10	0.74 ↓
	17:00	0.30 ↓		17:40	0.57 ↓		17:50	0.44 ↓		18:00	0.86 ↓		18:20	0.70 ↓		13:20	2.53 ↑
	23:10	3.46 ↑		23:40	3.11 ↑									18:30		0.92 ↓	
08 QUA	05:30	0.11 ↓	24 SEX	06:10	0.47 ↓	08 SAB	00:00	3.36 ↑	24 SEG	00:10	2.89 ↑	08 SEG	00:40	3.13 ↑	24 QUA	00:50	2.90 ↑
	11:40	3.51 ↑		12:20	2.92 ↑		06:40	0.34 ↓		07:10	0.77 ↓		07:30	0.52 ↓		07:50	0.75 ↓
	17:40	0.27 ↓		18:00	0.66 ↓		13:00	3.09 ↑		13:20	2.45 ↑		13:50	2.84 ↑		14:00	2.52 ↑
	23:40	3.48 ↑					18:40	0.58 ↓		18:30	1.00 ↓		19:20	0.82 ↓		19:20	0.95 ↓
09 QUI	06:10	0.15 ↓	25 SAB	00:00	3.02 ↑	09 DOM	00:50	3.18 ↑	25 TER	00:50	2.79 ↑	09 TER	01:30	3.01 ↑	25 QUI	01:40	2.88 ↑
	12:20	3.44 ↑		06:40	0.59 ↓		07:30	0.48 ↓		08:00	0.85 ↓		08:30	0.57 ↓		08:30	0.75 ↓
	18:20	0.33 ↓		12:50	2.73 ↑		13:50	2.89 ↑		14:10	2.35 ↑		14:50	2.74 ↑		14:40	2.55 ↑
				18:20	0.81 ↓		19:30	0.77 ↓		19:10	1.12 ↓		20:20	0.93 ↓		20:10	0.96 ↓
10 SEX	00:20	3.40 ↑	26 DOM	00:30	2.91 ↑	10 SEG	01:40	2.97 ↑	26 QUA	01:40	2.69 ↑	10 QUA	02:30	2.88 ↑	26 SEX	02:30	2.86 ↑
	06:50	0.27 ↓		07:20	0.72 ↓		08:30	0.62 ↓		08:50	0.91 ↓		09:20	0.65 ↓		09:10	0.75 ↓
	13:10	3.26 ↑		13:30	2.52 ↑		15:00	2.67 ↑		15:10	2.30 ↑		15:50	2.66 ↑		15:30	2.62 ↑
	19:00	0.48 ↓		18:50	0.97 ↓		20:20	0.97 ↓		20:10	1.18 ↓		21:20	1.03 ↓		21:10	0.93 ↓
11 SAB	01:10	3.22 ↑	27 SEG	01:00	2.79 ↑	11 TER	02:30	2.77 ↑	27 QUI	02:30	2.60 ↑	11 QUI	03:20	2.78 ↑	27 SAB	03:20	2.83 ↑
	07:40	0.42 ↓		08:00	0.87 ↓		09:40	0.74 ↓		09:40	0.92 ↓		10:20	0.71 ↓		10:00	0.73 ↓
	14:00	3.01 ↑		14:10	2.32 ↑		16:20	2.52 ↑		16:10	2.36 ↑		16:50	2.62 ↑		16:20	2.71 ↑
	19:40	0.68 ↓		19:20	1.14 ↓		21:40	1.14 ↓		21:30	1.15 ↓		22:20	1.07 ↓		22:20	0.88 ↓
12 DOM	01:50	3.01 ↑	28 TER	01:40	2.63 ↑	12 QUA	03:40	2.61 ↑	28 SEX	03:40	2.58 ↑	12 SEX	04:20	2.69 ↑	28 DOM	04:20	2.80 ↑
	08:40	0.60 ↓		08:50	1.00 ↓		10:50	0.81 ↓		10:40	0.90 ↓		11:10	0.78 ↓		10:40	0.73 ↓
	15:00	2.72 ↑		15:20	2.16 ↑		17:40	2.48 ↑		17:10	2.50 ↑		17:40	2.64 ↑		17:10	2.82 ↑
	20:30	0.92 ↓		20:10	1.29 ↓		23:00	1.22 ↓		22:50	1.06 ↓		23:30	1.06 ↓		23:20	0.83 ↓
13 SEG	02:40	2.76 ↑	29 QUA	02:40	2.45 ↑	13 QUI	05:00	2.56 ↑	29 SAB	05:00	2.65 ↑	13 SAB	05:20	2.64 ↑	29 SEG	05:20	2.76 ↑
	09:40	0.80 ↓		10:10	1.08 ↓		12:00	0.80 ↓		11:30	0.85 ↓		11:50	0.85 ↓		11:30	0.73 ↓
	16:20	2.46 ↑		16:40	2.13 ↑		18:40	2.58 ↑		18:00	2.70 ↑		18:20	2.70 ↑		18:00	2.93 ↑
	21:40	1.13 ↓		21:40	1.34 ↓												
14 TER	03:50	2.53 ↑	30 QUI	04:00	2.35 ↑	14 SEX	00:20	1.14 ↓	30 DOM	00:10	0.92 ↓	14 DOM	00:30	0.98 ↓	30 TER	00:30	0.79 ↓
	11:10	0.94 ↓		11:20	1.10 ↓		06:20	2.59 ↑		06:10	2.76 ↑		06:30	2.61 ↑		06:30	2.74 ↑
	18:00	2.33 ↑		18:00	2.27 ↑		12:50	0.79 ↓		12:20	0.77 ↓		12:40	0.87 ↓		12:20	0.75 ↓
	23:10	1.30 ↓		23:30	1.25 ↓		19:30	2.72 ↑		18:50	2.92 ↑		19:00	2.78 ↑		18:50	3.02 ↑
15 QUA	05:20	2.44 ↑	31 SEX	05:40	2.48 ↑	15 SAB	01:20	0.96 ↓		07:20	2.70 ↑	15 SEG	01:30	0.88 ↓	31 QUA	01:40	0.76 ↓
	12:30	0.93 ↓		12:30	1.02 ↓		13:40	0.74 ↓					07:20	2.62 ↑		07:40	2.73 ↑
	19:20	2.44 ↑		19:00	2.52 ↑		20:00	2.88 ↑					13:20	0.88 ↓		13:20	0.76 ↓
													19:40	2.86 ↑		21:30	2.65 ↑
16 QUI	00:50	1.27 ↓				16 DOM	02:10	0.76 ↓		08:20	2.80 ↑	16 TER	02:20	0.78 ↓			
	06:50	2.52 ↑					14:20	0.71 ↓					08:20	2.63 ↑			
	13:40	0.78 ↓					20:40	3.01 ↑					14:00	0.85 ↓			
	20:10	2.66 ↑											20:20	2.93 ↑			