

ANEXOS

A2 CORREÇÃO DE ALTURA DE 10° - 90° - SOL, ESTRELAS E PLANETAS

Out — Mar			SOL			Abr — Set			ESTRELAS E PLANETAS					DEPRESSÃO				
a	Limbo		a	Limbo		a	Corr.	a	Corr.	Elev do	Corr.	Elev do	Elev do	Corr.				
ap	Inf	Sup	ap	Inf	Sup	ap		ap	adicional	Olho		Olho	Olho					
9 33	+ 10.8	- 21.5	9 39	+ 10.6	- 21.2	9 55	- 5.3	2015					m		Pés	m		
9 45	+ 10.9	- 21.4	9 50	+ 10.7	- 21.1	10 07	- 5.2	VÊNUS					2.4	- 2.8	8.0	1.0	- 1.8	
9 56	+ 11.0	- 21.3	10 02	+ 10.8	- 21.0	10 20	- 5.1	1 jan — 3 mai					2.6	- 2.9	8.6	1.5	- 2.2	
10 08	+ 11.1	- 21.2	10 14	+ 10.9	- 20.9	10 32	- 5.0	4 dez — 31dez					2.8	- 3.0	9.2	2.0	- 2.5	
10 20	+ 11.2	- 21.1	10 27	+ 11.0	- 20.8	10 46	- 4.9	o					3.0	- 3.1	9.8	2.5	- 2.8	
10 33	+ 11.3	- 21.0	10 40	+ 11.1	- 20.7	10 59	- 4.8	60 + 0.1					3.2	- 3.2	10.5	3.0	- 3.0	
10 46	+ 11.4	- 20.9	10 53	+ 11.2	- 20.6	11 14	- 4.7	4 mai — 22 jun					3.4	- 3.2	11.2	Ver tábua		
11 00	+ 11.5	- 20.8	11 07	+ 11.3	- 20.5	11 29	- 4.6	13 out — 3 dez					3.6	- 3.4	11.9	←		
11 15	+ 11.6	- 20.7	11 22	+ 11.4	- 20.4	11 44	- 4.5	o					3.8	- 3.5	12.6	m		
11 30	+ 11.7	- 20.6	11 37	+ 11.5	- 20.3	12 00	- 4.4	41 + 0.2					4.0	- 3.6	13.3	20	- 7.9	
11 45	+ 11.8	- 20.5	11 53	+ 11.6	- 20.2	12 17	- 4.3	76 + 0.1					4.3	- 3.7	14.1	22	- 8.3	
12 01	+ 11.9	- 20.4	12 10	+ 11.7	- 20.1	12 35	- 4.2	23 jun — 14 jul					4.5	- 3.7	14.9	24	- 8.6	
12 18	+ 12.0	- 20.3	12 27	+ 11.8	- 20.0	12 53	- 4.1	19 set — 12 out					4.7	- 3.8	15.7	26	- 9.0	
12 36	+ 12.1	- 20.2	12 45	+ 11.9	- 19.9	13 12	- 4.0	o					5.0	- 4.0	16.5	28	- 9.3	
12 54	+ 12.2	- 20.1	13 04	+ 12.0	- 19.8	13 32	- 3.9	34 + 0.3					5.2	- 4.1	17.4	←		
13 14	+ 12.3	- 20.0	13 24	+ 12.1	- 19.7	13 53	- 3.8	60 + 0.2					5.5	- 4.2	18.3	30	- 9.6	
13 34	+ 12.4	- 19.9	13 44	+ 12.2	- 19.6	14 16	- 3.7	80 + 0.1					5.8	- 4.2	19.1	32	- 10.0	
13 55	+ 12.5	- 19.8	14 06	+ 12.3	- 19.5	14 39	- 3.6	15 jul — 30 jul					6.1	- 4.3	20.1	34	- 10.3	
14 17	+ 12.6	- 19.7	14 29	+ 12.4	- 19.4	15 03	- 3.5	2 set — 18 set					6.3	- 4.4	21.0	36	- 10.6	
14 41	+ 12.7	- 19.6	14 53	+ 12.5	- 19.3	15 29	- 3.4	o					6.6	- 4.5	22.0	38	- 10.8	
15 05	+ 12.8	- 19.5	15 18	+ 12.6	- 19.2	15 56	- 3.3	29 + 0.4					6.9	- 4.7	23.9	←		
15 31	+ 12.9	- 19.4	15 45	+ 12.7	- 19.1	16 25	- 3.2	51 + 0.2					7.2	- 4.8	24.9	40	- 11.1	
15 59	+ 13.0	- 19.3	16 13	+ 12.8	- 19.0	16 55	- 3.1	68 + 0.1					7.5	- 4.8	24.9	42	- 11.4	
16 27	+ 13.1	- 19.2	16 43	+ 12.9	- 18.9	17 27	- 3.0	83					7.9	- 4.9	26.0	44	- 11.7	
16 58	+ 13.2	- 19.1	17 14	+ 13.0	- 18.8	18 01	- 2.9	31 jul — 1 set					8.2	- 5.0	27.1	46	- 11.9	
17 30	+ 13.3	- 19.0	17 47	+ 13.1	- 18.7	18 37	- 2.8	o					8.5	- 5.2	28.1	48	- 12.2	
18 05	+ 13.4	- 18.9	18 23	+ 13.2	- 18.6	19 16	- 2.7	26 + 0.5					8.8	- 5.3	29.2	←		
18 41	+ 13.5	- 18.8	19 00	+ 13.3	- 18.5	19 56	- 2.6	46 + 0.3					9.2	- 5.4	30.4	Pés		
19 20	+ 13.6	- 18.7	19 41	+ 13.4	- 18.4	20 40	- 2.5	60 + 0.2					9.5	- 5.4	31.5	2	- 1.4	
20 02	+ 13.7	- 18.6	20 24	+ 13.5	- 18.3	21 27	- 2.4	73 + 0.1					9.9	- 5.5	32.7	4	- 1.9	
20 46	+ 13.8	- 18.5	21 10	+ 13.6	- 18.2	22 17	- 2.3	84					10.3	- 5.7	33.9	6	- 2.4	
21 34	+ 13.9	- 18.4	21 59	+ 13.7	- 18.1	23 11	- 2.2	MARTE					10.6	- 5.8	35.1	8	- 2.7	
22 25	+ 14.0	- 18.3	22 52	+ 13.8	- 18.0	24 09	- 2.1	1 jan — 31 dez					11.0	- 5.9	36.3	10	- 3.1	
23 20	+ 14.1	- 18.2	23 49	+ 13.9	- 17.9	25 12	- 2.0	o					11.4	- 5.9	37.6	←		
24 20	+ 14.2	- 18.1	24 51	+ 14.0	- 17.8	26 20	- 1.9	60 + 0.1					11.8	- 6.0	38.9	←		
25 24	+ 14.3	- 18.0	25 58	+ 14.1	- 17.7	27 34	- 1.8	o					12.2	- 6.1	40.1	Pés		
26 34	+ 14.4	- 17.9	27 11	+ 14.2	- 17.6	28 54	- 1.7	26 + 0.4					12.6	- 6.2	41.5	70	- 8.1	
27 50	+ 14.5	- 17.8	28 31	+ 14.3	- 17.5	30 22	- 1.6	46 + 0.3					13.0	- 6.4	42.8	75	- 8.4	
29 13	+ 14.6	- 17.7	29 58	+ 14.4	- 17.4	31 58	- 1.5	60 + 0.2					13.4	- 6.5	44.2	80	- 8.7	
30 44	+ 14.7	- 17.6	31 33	+ 14.5	- 17.3	33 43	- 1.4	73 + 0.1					13.8	- 6.6	45.5	85	- 8.9	
32 24	+ 14.8	- 17.5	33 18	+ 14.6	- 17.2	35 38	- 1.3	84					14.2	- 6.7	46.9	90	- 9.2	
34 15	+ 14.9	- 17.4	35 15	+ 14.7	- 17.1	37 45	- 1.2	MARTE					14.7	- 6.8	48.4	95	- 9.5	
36 17	+ 15.0	- 17.3	37 24	+ 14.8	- 17.0	40 06	- 1.1	1 jan — 31 dez					15.1	- 6.9	49.8	←		
38 34	+ 15.1	- 17.2	39 48	+ 14.9	- 16.9	42 42	- 1.0	o					15.5	- 7.0	51.3	100	- 9.7	
41 06	+ 15.2	- 17.1	42 28	+ 15.0	- 16.8	45 34	- 0.9	60 + 0.1					16.0	- 7.0	52.8	105	- 9.9	
43 56	+ 15.3	- 17.0	45 29	+ 15.1	- 16.7	48 45	- 0.8	26 + 0.4					16.5	- 7.1	54.3	110	- 10.2	
47 07	+ 15.4	- 16.9	48 52	+ 15.2	- 16.6	52 16	- 0.7	46 + 0.3					16.9	- 7.2	55.8	115	- 10.4	
50 43	+ 15.5	- 16.8	52 41	+ 15.3	- 16.5	56 09	- 0.6	60 + 0.2					17.4	- 7.4	57.4	120	- 10.6	
54 46	+ 15.6	- 16.7	56 59	+ 15.4	- 16.4	60 26	- 0.5	73 + 0.1					17.9	- 7.5	58.9	125	- 10.8	
59 21	+ 15.7	- 16.6	61 50	+ 15.5	- 16.3	65 06	- 0.4	84					18.4	- 7.6	60.5	←		
64 28	+ 15.8	- 16.5	67 15	+ 15.6	- 16.2	70 09	- 0.3	MARTE					18.8	- 7.6	62.1	130	- 11.1	
70 10	+ 15.9	- 16.4	73 14	+ 15.7	- 16.1	75 32	- 0.2	1 jan — 31 dez					19.3	- 7.7	63.8	135	- 11.3	
76 24	+ 16.0	- 16.3	79 42	+ 15.8	- 16.0	81 12	- 0.1	o					19.8	- 7.8	65.4	140	- 11.5	
83 05	+ 16.1	- 16.2	86 31	+ 15.9	- 15.9	87 03	0.0	60 + 0.1					20.4	- 7.9	67.1	145	- 11.7	
90 00			90 00			90 00		MARTE					20.9	- 8.0	68.8	150	- 11.9	
								1 jan — 31 dez					21.4	- 8.1	70.5	155	- 12.1	

a ap = Altura dada pelo sextante corrigida do erro instrumental e da depressão