

TU	SOL		LUA				Lat	CREP		SOL Nascer	LUA - Nascer									
	AHG	Dec	AHG	v	Dec	d		Ph	Naut		Civil	24	25	26	27					
																h m	h m	h m	h m	h m
24 Q U I N T A  F E I R A	180	27.7	N12	55.0	321	10.4	10.4	S27	07.9	3.0	54.0	N 72	////	////	02 35	h m	h m	h m	h m	
	01	195	27.8		55.8	335	39.8	10.4	27 10.9	2.7	54.0	N 70	////	01 02	03 03	h m	h m	h m	h m	
	02	210	27.9		56.6	350	09.2	10.4	27 13.6	2.7	54.0	68	////	01 56	03 23	h m	h m	h m	h m	
	03	225	28.0		57.5	4	38.6	10.3	27 16.3	2.5	54.0	66	////	02 28	03 40	h m	h m	h m	h m	
	04	240	28.1		58.3	19	07.9	10.3	27 18.8	2.4	54.1	64	00 54	02 51	03 53	h m	h m	h m	03 52	
	05	255	28.3		59.1	33	37.2	10.3	27 21.2	2.3	54.1	62	01 42	03 09	04 04	01 43	02 59	03 10	03 10	
	06	270	28.4	N12	59.9	48	06.5	10.2	S27	23.5	2.1	54.1	N 58	02 33	03 36	04 22	00 18	01 17	01 56	02 19
	07	285	28.5	13	00.7	62	35.7	10.3	27 25.6	2.0	54.1	56	02 50	03 47	04 29	24 52	00 52	01 33	02 01	
	08	300	28.6		01.6	77	05.0	10.2	27 27.6	1.9	54.1	54	03 04	03 56	04 36	24 32	00 32	01 15	01 45	
	09	315	28.7		02.4	91	34.2	10.1	27 29.5	1.8	54.1	52	03 16	04 04	04 42	24 15	00 15	00 59	01 32	
	10	330	28.8		03.2	106	03.3	10.2	27 31.3	1.6	54.1	50	03 26	04 11	04 47	24 00	00 00	00 46	01 21	
	11	345	28.9		04.0	120	32.5	10.2	27 32.9	1.4	54.1	45	03 48	04 27	04 58	23 31	24 18	00 18	00 56	
	12	0	29.0	N13	04.8	135	01.7	10.1	S27	34.3	1.4	54.1	N 40	04 04	04 39	05 08	23 08	23 56	24 37	00 37
	13	15	29.1		05.7	149	30.8	10.1	27 35.7	1.2	54.1	35	04 17	04 49	05 16	22 49	23 38	24 20	00 20	
	14	30	29.3		06.5	163	59.9	10.1	27 36.9	1.1	54.1	30	04 28	04 58	05 23	22 33	23 22	24 06	00 06	
	15	45	29.4		07.3	178	29.0	10.1	27 38.0	0.9	54.1	20	04 45	05 12	05 35	22 05	22 55	23 42	24 25	
	16	60	29.5		08.1	192	58.1	10.0	27 38.9	0.8	54.1	N 10	04 58	05 23	05 45	21 42	22 32	23 21	24 08	
	17	75	29.6		08.9	207	27.1	10.1	27 39.7	0.7	54.1	0	05 09	05 33	05 55	21 20	22 11	23 02	23 51	
	18	90	29.7	N13	09.7	221	56.2	10.0	S27	40.4	0.6	54.1	S 10	05 18	05 42	06 04	20 58	21 49	22 42	23 34
	19	105	29.8		10.6	236	25.2	10.0	27 41.0	0.4	54.1	20	05 25	05 51	06 14	20 34	21 26	22 21	23 16	
	20	120	29.9		11.4	250	54.2	10.1	27 41.4	0.2	54.1	30	05 33	06 01	06 25	20 07	21 00	21 56	22 55	
	21	135	30.0		12.2	265	23.3	10.0	27 41.6	0.2	54.1	35	05 36	06 06	06 32	19 50	20 44	21 42	22 43	
	22	150	30.1		13.0	279	52.3	10.0	27 41.8	0.0	54.2	40	05 40	06 11	06 39	19 31	20 25	21 25	22 29	
23	165	30.2		13.8	294	21.3	10.0	27 41.8	0.1	54.2	45	05 43	06 17	06 48	19 09	20 03	21 05	22 12		
25 S E X T A  F E I R A	180	30.3	N13	14.6	308	50.3	9.9	S27	41.7	0.3	54.2	S 50	05 46	06 24	06 58	18 40	19 35	20 40	21 51	
	01	195	30.4		15.4	323	19.2	10.0	27 41.4	0.4	54.2	52	05 48	06 28	07 03	18 25	19 21	20 27	21 41	
	02	210	30.6		16.2	337	48.2	10.0	27 41.0	0.5	54.2	54	05 49	06 31	07 08	18 09	19 05	20 13	21 30	
	03	225	30.7		17.1	352	17.2	10.0	27 40.5	0.7	54.2	56	05 51	06 35	07 14	17 49	18 46	19 57	21 17	
	04	240	30.8		17.9	6	46.2	10.0	27 39.8	0.8	54.2	58	05 52	06 39	07 20	17 24	18 22	19 37	21 02	
	05	255	30.9		18.7	21	15.2	9.9	27 39.0	0.9	54.2	S 60	05 54	06 43	07 28	16 51	17 50	19 12	20 44	
	06	270	31.0	N13	19.5	35	44.1	10.0	S27	38.1	1.1	54.2	Lat	SOL	CREP	LUA - Pôr				
	07	285	31.1		20.3	50	13.1	10.0	27 37.0	1.2	54.2	Pôr	Civil	Naut	24	25	26	27		
	08	300	31.2		21.1	64	42.1	10.0	27 35.8	1.3	54.2	N 72	21 26	////	////	h m	h m	h m	h m	
	09	315	31.3		21.9	79	11.1	10.0	27 34.5	1.5	54.3	N 70	20 57	23 08	////	h m	h m	h m	h m	
	10	330	31.4		22.7	93	40.1	10.0	27 33.0	1.6	54.3	68	20 36	22 06	////	h m	h m	h m	h m	
	11	345	31.5		23.5	108	09.1	10.0	27 31.4	1.8	54.3	66	20 19	21 32	////	h m	h m	h m	h m	
	12	0	31.6	N13	24.4	122	38.1	10.0	S27	29.6	1.8	54.3	64	20 05	21 08	23 15	h m	h m	h m	06 45
	13	15	31.7		25.2	137	07.1	10.0	27 27.8	2.0	54.3	62	19 54	20 50	22 19	03 35	04 06	05 41	07 27	
	14	30	31.8		26.0	151	36.1	10.0	27 25.8	2.2	54.3	60	19 44	20 34	21 48	04 28	05 13	06 26	07 55	
	15	45	31.9		26.8	166	05.1	10.0	27 23.6	2.3	54.3	N 58	19 35	20 22	21 26	05 01	05 47	06 55	08 16	
	16	60	32.0		27.6	180	34.1	10.1	27 21.3	2.4	54.3	56	19 28	20 11	21 08	05 25	06 13	07 17	08 34	
	17	75	32.1		28.4	195	03.2	10.0	27 18.9	2.5	54.4	54	19 21	20 01	20 54	05 44	06 33	07 36	08 49	
	18	90	32.2	N13	29.2	209	32.2	10.1	S27	16.4	2.7	54.4	52	19 15	19 53	20 42	06 01	06 50	07 51	09 02
	19	105	32.3		30.0	224	01.3	10.1	27 13.7	2.8	54.4	50	19 10	19 46	20 31	06 15	07 04	08 05	09 13	
	20	120	32.4		30.8	238	30.4	10.1	27 10.9	3.0	54.4	45	18 58	19 30	20 09	06 43	07 33	08 32	09 37	
	21	135	32.5		31.6	252	59.5	10.1	27 07.9	3.0	54.4	N 40	18 49	19 18	19 53	07 06	07 56	08 53	09 55	
	22	150	32.7		32.4	267	28.6	10.1	27 04.9	3.2	54.4	35	18 41	19 08	19 40	07 25	08 15	09 11	10 11	
23	165	32.8		33.2	281	57.7	10.1	27 01.7	3.4	54.4	30	18 34	18 59	19 29	07 41	08 32	09 27	10 25		
26 S Á B A D O	180	32.9	N13	34.0	296	26.8	10.2	S26	58.3	3.5	54.4	N 30	18 34	18 59	19 29	07 41	08 32	09 27	10 25	
	01	195	33.0		34.8	310	56.0	10.2	26 54.8	3.6	54.5	N 20	18 22	18 44	19 11	08 08	08 59	09 53	10 47	
	02	210	33.1		35.6	325	25.2	10.2	26 51.2	3.7	54.5	N 10	18 11	18 33	18 58	08 31	09 22	10 15	11 07	
	03	225	33.2		36.4	339	54.4	10.2	26 47.5	3.9	54.5	0	18 01	18 23	18 47	08 53	09 44	10 35	11 25	
	04	240	33.3		37.2	354	23.6	10.3	26 43.6	4.0	54.5	S 10	17 52	18 13	18 38	09 15	10 06	10 56	11 44	
	05	255	33.4		38.0	8	52.9	10.2	26 39.6	4.1	54.5	20	17 41	18 04	18 30	09 38	10 30	11 18	12 03	
	06	270	33.5	N13	38.8	23	22.1	10.3	S26	35.5	4.3	54.5	30	17 30	17 55	18 23	10 06	10 57	11 44	12 26
	07	285	33.6		39.6	37	51.4	10.3	26 31.2	4.4	54.6	35	17 23	17 49	18 19	10 22	11 13	11 59	12 39	
	08	300	33.7		40.4	52	20.7	10.4	26 26.8	4.5	54.6	40	17 16	17 44	18 16	10 40	11 32	12 16	12 53	
	09	315	33.8		41.2	66	50.1	10.3	26 22.3	4.6	54.6	45	17 07	17 38	18 12	11 03	11 54	12 37	13 11	
	10	330	33.9		42.0	81	19.4	10.4	26 17.7	4.8	54.6	S 50	16 57	17 31	18 09	11 32	12 23	13 03	13 33	
	11	345	34.0		42.8	95	48.8	10.4	26 12.9	4.9	54.6	52	16 52	17 27	18 07	11 46	12 37	13 15	13 44	
	12	0	34.1	N13	43.6	110	18.2	10.5	S26	08.0	5.1	54.6	54	16 47	17 24	18 06	12 03	12 53	13 30	13 55
	13	15	34.2		44.4	124	47.7	10.5	26 02.9	5.1	54.7									