

TABELA DAS EFEMÉRIDES SOLARES

Fonte: Anuário Interativo do Observatório Nacional

Crepúsculo do Amanhecer e Anoitecer

Ano 2008 d.C.

Localidade: ITAJAI

Longitude: 48:39:00

Latitude: -26:55:00

Altitude (m): 0

Fuso horário: -3

No horário de verão adicione 1^h ao valor listado

[Explicações](#)

Janeiro									Fevereiro								
		Alvorada			Crepúsculo						Alvorada			Crepúsculo			
Dia	Nascer	Civil	Náut.	Astr.	Ocaso	Civil	Náut.	Astr.	Dia	Nascer	Civil	Náut.	Astr.	Ocaso	Civil	Náut.	Astr.
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2	5:24	4:58	4:27	3:53	19:13	19:39	20:10	20:43	2	5:48	5:24	4:54	4:24	19:08	19:32	20:02	20:32
3	5:24	4:59	4:27	3:54	19:13	19:39	20:10	20:44	3	5:49	5:25	4:55	4:25	19:08	19:32	20:01	20:31
4	5:25	5:00	4:28	3:55	19:14	19:39	20:10	20:44	4	5:49	5:26	4:56	4:26	19:07	19:31	20:00	20:31
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31	5:46	5:22	4:52	4:22	19:09	19:33	20:03	20:34									

Março									Abril								
		Alvorada			Crepúsculo						Alvorada			Crepúsculo			
Dia	Nascer	Civil	Náut.	Astr.	Ocaso	Civil	Náut.	Astr.	Dia	Nascer	Civil	Náut.	Astr.	Ocaso	Civil	Náut.	Astr.
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Maio									Junho								
		Alvorada			Crepúsculo						Alvorada			Crepúsculo			
Dia	Nascer	Civil	Náut.	Astr.	Ocaso	Civil	Náut.	Astr.	Dia	Nascer	Civil	Náut.	Astr.	Ocaso	Civil	Náut.	Astr.
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Julho									Agosto								
		Alvorada			Crepúsculo						Alvorada			Crepúsculo			
Dia	Nascer	Civil	Náut.	Astr.	Ocaso	Civil	Náut.	Astr.	Dia	Nascer	Civil	Náut.	Astr.	Ocaso	Civil	Náut.	Astr.
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Setembro									Outubro								
		Alvorada			Crepúsculo						Alvorada			Crepúsculo			
Dia	Nascer	Civil	Náut.	Astr.	Ocaso	Civil	Náut.	Astr.	Dia	Nascer	Civil	Náut.	Astr.	Ocaso	Civil	Náut.	Astr.
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Novembro									Dezembro								
		Alvorada			Crepúsculo						Alvorada			Crepúsculo			
Dia	Nascer	Civil	Náut.	Astr.	Ocaso	Civil	Náut.	Astr.	Dia	Nascer	Civil	Náut.	Astr.	Ocaso	Civil	Náut.	Astr.
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Responsável: [Dr. João Luiz Kohl Moreira: kohl@on.br](mailto:kohl@on.br)

Coordenação de Astronomia e Astrofísica