

A **EMAP** utiliza a previsão de marés da Vale, homologada pelo Centro de Hidrografia da Marinha, como referência para definição de horários de Preamar e Baixa-mar, conseqüentemente as janelas de manobras no Complexo Portuário da Baía de São Marcos, conforme Portaria N° 82/CPMA.





Gerência de Operação de Pátios e Embarque
Supervisão de Marítima
Previsão de Marés - 2019
JANEIRO

Domingo	Segunda	Terça	Quarta	Quinta	Sexta	Sábado
		1	2	3	4	5
		▲ 03:25 - 5,16m ▼ 09:34 - 1,28m ▲ 15:55 - 5,40m ▼ 22:04 - 1,10m	▲ 04:31 - 5,27m ▼ 10:32 - 1,15m ▲ 16:49 - 5,53m ▼ 23:01 - 0,90m	▲ 05:23 - 5,39m ▼ 11:21 - 1,01m ▲ 17:34 - 5,64m ▼ 23:51 - 0,74m	▲ 06:06 - 5,48m ▼ 12:04 - 0,89m ▲ 18:14 - 5,72m	● ▼ 00:32 - 0,64m ▲ 06:51 - 5,53m ▼ 12:47 - 0,83m ▲ 18:57 - 5,76m
6	7	8	9	10	11	12
▼ 01:08 - 0,58m ▲ 07:25 - 5,52m ▼ 13:21 - 0,83m ▲ 19:32 - 5,75m	▼ 01:51 - 0,60m ▲ 08:01 - 5,49m ▼ 13:59 - 0,87m ▲ 20:06 - 5,71m	▼ 02:21 - 0,69m ▲ 08:31 - 5,42m ▼ 14:32 - 0,98m ▲ 20:40 - 5,64m	▼ 02:55 - 0,78m ▲ 09:02 - 5,37m ▼ 15:02 - 1,08m ▲ 21:12 - 5,56m	▼ 03:23 - 0,91m ▲ 09:36 - 5,29m ▼ 15:36 - 1,21m ▲ 21:49 - 5,46m	▼ 03:55 - 1,03m ▲ 10:06 - 5,21m ▼ 16:08 - 1,33m ▲ 22:23 - 5,32m	▼ 04:29 - 1,19m ▲ 10:47 - 5,10m ▼ 16:53 - 1,45m ▲ 23:04 - 5,17m
13	14	15	16	17	18	19
▼ 05:08 - 1,35m ▲ 11:31 - 4,99m ▼ 17:40 - 1,56m ▲ 23:57 - 5,02m	☾ ▼ 06:01 - 1,50m ▲ 12:25 - 4,91m ▼ 18:38 - 1,61m	▲ 00:57 - 4,92m ▼ 07:01 - 1,59m ▲ 13:32 - 4,94m ▼ 19:46 - 1,56m	▲ 02:08 - 4,93m ▼ 08:12 - 1,56m ▲ 14:42 - 5,08m ▼ 21:01 - 1,36m	▲ 03:21 - 5,07m ▼ 09:25 - 1,38m ▲ 15:49 - 5,31m ▼ 22:08 - 1,07m	▲ 04:31 - 5,30m ▼ 10:32 - 1,14m ▲ 16:51 - 5,57m ▼ 23:10 - 0,76m	▲ 05:32 - 5,54m ▼ 11:31 - 0,89m ▲ 17:47 - 5,81m
20	21	22	23	24	25	26
▼ 00:08 - 0,48m ▲ 06:27 - 5,75m ▼ 12:25 - 0,66m ▲ 18:42 - 6,01m	● ▼ 01:02 - 0,24m ▲ 07:16 - 5,93m ▼ 13:16 - 0,47m ▲ 19:31 - 6,15m	▼ 01:57 - 0,07m ▲ 08:06 - 6,05m ▼ 14:06 - 0,35m ▲ 20:21 - 6,23m	▼ 02:47 - 0,03m ▲ 08:57 - 6,08m ▼ 14:59 - 0,33m ▲ 21:10 - 6,20m	▼ 03:29 - 0,13m ▲ 09:42 - 5,99m ▼ 15:47 - 0,46m ▲ 22:01 - 6,05m	▼ 04:10 - 0,36m ▲ 10:25 - 5,82m ▼ 16:32 - 0,69m ▲ 22:49 - 5,79m	▼ 04:59 - 0,69m ▲ 11:12 - 5,59m ▼ 17:19 - 0,97m ▲ 23:36 - 5,47m
27	28	29	30	31		
☾ ▼ 05:47 - 1,05m ▲ 12:04 - 5,35m ▼ 18:12 - 1,23m	▲ 00:29 - 5,17m ▼ 06:42 - 1,37m ▲ 13:04 - 5,15m ▼ 19:14 - 1,42m	▲ 01:36 - 4,95m ▼ 07:47 - 1,56m ▲ 14:10 - 5,08m ▼ 20:23 - 1,47m	▲ 02:51 - 4,88m ▼ 08:59 - 1,58m ▲ 15:19 - 5,13m ▼ 21:36 - 1,37m	▲ 04:02 - 4,98m ▼ 10:02 - 1,45m ▲ 16:21 - 5,27m ▼ 22:38 - 1,17m		



Gerência de Operação de Pátios e Embarque
Supervisão de Marítima
 Previsão de Marés - 2019
FEVEREIRO

Domingo	Segunda	Terça	Quarta	Quinta	Sexta	Sábado
					1	2
					▲ 05:02 - 5,14m ▼ 10:59 - 1,27m ▲ 17:12 - 5,42m ▼ 23:27 - 0,98m	▲ 05:53 - 5,30m ▼ 11:47 - 1,10m ▲ 18:01 - 5,56m
3	4	5	6	7	8	9
▼ 00:10 - 0,82m ▲ 06:32 - 5,40m ▼ 12:25 - 0,98m ▲ 18:42 - 5,64m	▼ 00:55 - 0,72m ▲ 07:06 - 5,47m ▼ 13:02 - 0,88m ▲ 19:14 - 5,70m	▼ 01:27 - 0,68m ▲ 07:40 - 5,51m ▼ 13:40 - 0,86m ▲ 19:49 - 5,73m	▼ 02:01 - 0,65m ▲ 08:08 - 5,54m ▼ 14:08 - 0,86m ▲ 20:17 - 5,74m	▼ 02:32 - 0,69m ▲ 08:40 - 5,56m ▼ 14:46 - 0,89m ▲ 20:53 - 5,73m	▼ 03:01 - 0,74m ▲ 09:08 - 5,55m ▼ 15:10 - 0,95m ▲ 21:23 - 5,65m	▼ 03:29 - 0,85m ▲ 09:42 - 5,48m ▼ 15:46 - 1,04m ▲ 21:57 - 5,53m
10	11	12	13	14	15	16
▼ 04:01 - 0,97m ▲ 10:12 - 5,37m ▼ 16:17 - 1,16m ▲ 22:32 - 5,36m	▼ 04:36 - 1,14m ▲ 10:49 - 5,23m ▼ 17:01 - 1,29m ▲ 23:14 - 5,18m	▼ 05:16 - 1,33m ▲ 11:36 - 5,09m ▼ 17:53 - 1,42m	▲ 00:08 - 5,00m ▼ 06:10 - 1,51m ▲ 12:38 - 4,98m ▼ 19:01 - 1,49m	▲ 01:21 - 4,88m ▼ 07:25 - 1,61m ▲ 13:57 - 5,00m ▼ 20:21 - 1,43m	▲ 02:47 - 4,94m ▼ 08:51 - 1,53m ▲ 15:16 - 5,18m ▼ 21:46 - 1,19m	▲ 04:04 - 5,17m ▼ 10:06 - 1,28m ▲ 16:29 - 5,45m ▼ 22:55 - 0,86m
17	18	19	20	21	22	23
▲ 05:14 - 5,47m ▼ 11:12 - 0,97m ▲ 17:32 - 5,75m ▼ 23:59 - 0,52m	▲ 06:12 - 5,77m ▼ 12:12 - 0,66m ▲ 18:29 - 6,02m	▼ 00:55 - 0,23m ▲ 07:02 - 6,01m ▼ 13:04 - 0,37m ▲ 19:19 - 6,22m	▼ 01:46 - 0,03m ▲ 07:53 - 6,17m ▼ 13:59 - 0,18m ▲ 20:08 - 6,33m	▼ 02:25 - -0,03m ▲ 08:38 - 6,23m ▼ 14:46 - 0,14m ▲ 20:57 - 6,31m	▼ 03:06 - 0,03m ▲ 09:17 - 6,17m ▼ 15:25 - 0,26m ▲ 21:42 - 6,14m	▼ 03:53 - 0,29m ▲ 10:01 - 5,98m ▼ 16:06 - 0,48m ▲ 22:19 - 5,84m
24	25	26	27	28		
▼ 04:29 - 0,66m ▲ 10:40 - 5,70m ▼ 16:53 - 0,81m ▲ 23:02 - 5,49m	▼ 05:08 - 1,05m ▲ 11:21 - 5,40m ▼ 17:38 - 1,15m ▲ 23:51 - 5,13m	▼ 05:59 - 1,42m ▲ 12:16 - 5,12m ▼ 18:32 - 1,44m	▲ 00:51 - 4,83m ▼ 07:01 - 1,70m ▲ 13:25 - 4,92m ▼ 19:42 - 1,60m	▲ 02:08 - 4,69m ▼ 08:14 - 1,79m ▲ 14:42 - 4,91m ▼ 20:59 - 1,57m		



Gerência de Operação de Pátios e Embarque
Supervisão de Marítima
 Previsão de Marés - 2019
MARÇO

Domingo	Segunda	Terça	Quarta	Quinta	Sexta	Sábado
					1	2
					▲ 03:31 - 4,76m ▼ 09:29 - 1,69m ▲ 15:53 - 5,05m ▼ 22:06 - 1,39m	▲ 04:38 - 4,97m ▼ 10:32 - 1,46m ▲ 16:53 - 5,26m ▼ 23:02 - 1,16m
3	4	5	6	7	8	9
▲ 05:29 - 5,19m ▼ 11:21 - 1,23m ▲ 17:42 - 5,44m ▼ 23:49 - 0,96m	▲ 06:06 - 5,36m ▼ 12:02 - 1,03m ▲ 18:17 - 5,58m	▼ 00:27 - 0,82m ▲ 06:44 - 5,48m ▼ 12:44 - 0,89m ▲ 18:55 - 5,69m	● ▼ 01:02 - 0,70m ▲ 07:12 - 5,59m ▼ 13:12 - 0,78m ▲ 19:25 - 5,78m	▼ 01:38 - 0,64m ▲ 07:46 - 5,68m ▼ 13:51 - 0,70m ▲ 19:59 - 5,85m	▼ 02:04 - 0,60m ▲ 08:12 - 5,75m ▼ 14:17 - 0,68m ▲ 20:29 - 5,85m	▼ 02:38 - 0,63m ▲ 08:46 - 5,76m ▼ 14:53 - 0,69m ▲ 21:01 - 5,79m
10	11	12	13	14	15	16
▼ 03:04 - 0,70m ▲ 09:12 - 5,69m ▼ 15:21 - 0,79m ▲ 21:34 - 5,65m	▼ 03:38 - 0,85m ▲ 09:46 - 5,56m ▼ 15:57 - 0,91m ▲ 22:06 - 5,47m	▼ 04:06 - 1,02m ▲ 10:17 - 5,40m ▼ 16:34 - 1,08m ▲ 22:47 - 5,26m	▼ 04:51 - 1,23m ▲ 11:02 - 5,23m ▼ 17:21 - 1,26m ▲ 23:40 - 5,04m	☾ ▼ 05:44 - 1,46m ▲ 12:02 - 5,06m ▼ 18:29 - 1,42m	▲ 00:51 - 4,88m ▼ 06:57 - 1,63m ▲ 13:25 - 4,99m ▼ 19:55 - 1,43m	▲ 02:25 - 4,91m ▼ 08:27 - 1,59m ▲ 14:55 - 5,14m ▼ 21:21 - 1,22m
17	18	19	20	21	22	23
▲ 03:49 - 5,17m ▼ 09:51 - 1,32m ▲ 16:12 - 5,44m ▼ 22:40 - 0,88m	▲ 04:59 - 5,52m ▼ 11:01 - 0,95m ▲ 17:17 - 5,76m ▼ 23:44 - 0,53m	▲ 05:57 - 5,84m ▼ 12:01 - 0,58m ▲ 18:14 - 6,04m	● ▼ 00:36 - 0,26m ▲ 06:47 - 6,08m ▼ 12:55 - 0,28m ▲ 19:04 - 6,24m	▼ 01:19 - 0,08m ▲ 07:31 - 6,22m ▼ 13:42 - 0,10m ▲ 19:53 - 6,32m	▼ 02:04 - 0,00m ▲ 08:10 - 6,29m ▼ 14:21 - 0,05m ▲ 20:36 - 6,27m	▼ 02:49 - 0,10m ▲ 08:53 - 6,22m ▼ 15:02 - 0,12m ▲ 21:14 - 6,10m
24	25	26	27	28	29	30
▼ 03:21 - 0,35m ▲ 09:29 - 6,03m ▼ 15:46 - 0,38m ▲ 21:55 - 5,81m	▼ 04:01 - 0,67m ▲ 10:06 - 5,77m ▼ 16:19 - 0,72m ▲ 22:32 - 5,46m	▼ 04:38 - 1,06m ▲ 10:47 - 5,45m ▼ 17:01 - 1,06m ▲ 23:14 - 5,11m	▼ 05:17 - 1,42m ▲ 11:36 - 5,14m ▼ 17:51 - 1,39m	☾ ▲ 00:10 - 4,81m ▼ 06:17 - 1,73m ▲ 12:40 - 4,89m ▼ 18:57 - 1,63m	▲ 01:29 - 4,64m ▼ 07:32 - 1,88m ▲ 13:59 - 4,80m ▼ 20:14 - 1,68m	▲ 02:51 - 4,69m ▼ 08:53 - 1,81m ▲ 15:16 - 4,92m ▼ 21:29 - 1,52m
31						
▲ 04:01 - 4,90m ▼ 09:59 - 1,58m ▲ 16:19 - 5,14m ▼ 22:27 - 1,29m						



Gerência de Operação de Pátios e Embarque
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ABRIL

Domingo	Segunda	Terça	Quarta	Quinta	Sexta	Sábado
	1	2	3	4	5	6
	▲ 04:55 - 5,14m ▼ 10:53 - 1,32m ▲ 17:08 - 5,36m ▼ 23:12 - 1,08m	▲ 05:38 - 5,34m ▼ 11:36 - 1,08m ▲ 17:51 - 5,54m ▼ 23:57 - 0,89m	▲ 06:10 - 5,52m ▼ 12:10 - 0,87m ▲ 18:25 - 5,68m	▼ 00:32 - 0,76m ▲ 06:46 - 5,66m ▼ 12:51 - 0,70m ▲ 18:59 - 5,81m	● 01:04 - 0,64m ▲ 07:12 - 5,79m ▼ 13:21 - 0,58m ▲ 19:32 - 5,88m	▼ 01:42 - 0,58m ▲ 07:47 - 5,87m ▼ 13:59 - 0,49m ▲ 20:04 - 5,91m
7	8	9	10	11	12	13
▼ 02:08 - 0,58m ▲ 08:16 - 5,88m ▼ 14:31 - 0,51m ▲ 20:42 - 5,83m	▼ 02:46 - 0,65m ▲ 08:51 - 5,81m ▼ 15:02 - 0,59m ▲ 21:14 - 5,68m	▼ 03:14 - 0,80m ▲ 09:23 - 5,67m ▼ 15:40 - 0,75m ▲ 21:51 - 5,49m	▼ 03:53 - 0,98m ▲ 10:01 - 5,50m ▼ 16:17 - 0,94m ▲ 22:32 - 5,27m	▼ 04:34 - 1,22m ▲ 10:47 - 5,30m ▼ 17:08 - 1,14m ▲ 23:27 - 5,07m	☾ 05:29 - 1,44m ▲ 11:49 - 5,12m ▼ 18:16 - 1,32m	▲ 00:42 - 4,94m ▼ 06:46 - 1,58m ▲ 13:12 - 5,05m ▼ 19:42 - 1,34m
14	15	16	17	18	19	20
▲ 02:12 - 5,03m ▼ 08:10 - 1,51m ▲ 14:42 - 5,20m ▼ 21:02 - 1,15m	▲ 03:32 - 5,30m ▼ 09:32 - 1,24m ▲ 15:59 - 5,49m ▼ 22:16 - 0,86m	▲ 04:40 - 5,62m ▼ 10:46 - 0,88m ▲ 17:02 - 5,78m ▼ 23:17 - 0,58m	▲ 05:36 - 5,89m ▼ 11:44 - 0,54m ▲ 17:59 - 6,00m	▼ 00:08 - 0,36m ▲ 06:21 - 6,07m ▼ 12:34 - 0,29m ▲ 18:49 - 6,13m	● 00:59 - 0,22m ▲ 07:04 - 6,19m ▼ 13:14 - 0,11m ▲ 19:31 - 6,17m	▼ 01:44 - 0,21m ▲ 07:47 - 6,22m ▼ 14:01 - 0,04m ▲ 20:10 - 6,12m
21	22	23	24	25	26	27
▼ 02:17 - 0,29m ▲ 08:23 - 6,16m ▼ 14:44 - 0,15m ▲ 20:53 - 5,96m	▼ 02:59 - 0,46m ▲ 09:02 - 6,01m ▼ 15:16 - 0,38m ▲ 21:29 - 5,69m	▼ 03:32 - 0,76m ▲ 09:40 - 5,76m ▼ 15:55 - 0,67m ▲ 22:04 - 5,40m	▼ 04:06 - 1,08m ▲ 10:17 - 5,48m ▼ 16:31 - 1,00m ▲ 22:47 - 5,10m	▼ 04:49 - 1,40m ▲ 11:02 - 5,19m ▼ 17:14 - 1,31m ▲ 23:40 - 4,85m	☾ 05:40 - 1,68m ▲ 12:01 - 4,94m ▼ 18:12 - 1,56m	▲ 00:47 - 4,70m ▼ 06:49 - 1,86m ▲ 13:14 - 4,81m ▼ 19:25 - 1,67m
28	29	30				
▲ 02:04 - 4,72m ▼ 08:02 - 1,84m ▲ 14:31 - 4,86m ▼ 20:40 - 1,60m	▲ 03:12 - 4,89m ▼ 09:14 - 1,66m ▲ 15:36 - 5,04m ▼ 21:44 - 1,41m	▲ 04:08 - 5,11m ▼ 10:08 - 1,40m ▲ 16:29 - 5,25m ▼ 22:32 - 1,20m				



Gerência de Operação de Pátios e Embarque
Supervisão de Marítima
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MAIO

Domingo	Segunda	Terça	Quarta	Quinta	Sexta	Sábado
			1	2	3	4
			▲ 04:55 - 5,32m ▼ 10:57 - 1,13m ▲ 17:12 - 5,44m ▼ 23:14 - 1,01m	▲ 05:34 - 5,51m ▼ 11:40 - 0,89m ▲ 17:53 - 5,61m ▼ 23:57 - 0,85m	▲ 06:06 - 5,68m ▼ 12:14 - 0,68m ▲ 18:29 - 5,74m	● 00:34 - 0,73m ▲ 06:46 - 5,81m ▼ 12:57 - 0,50m ▲ 19:06 - 5,84m
5	6	7	8	9	10	11
▼ 01:06 - 0,63m ▲ 07:17 - 5,89m ▼ 13:34 - 0,41m ▲ 19:47 - 5,86m	▼ 01:49 - 0,60m ▲ 07:55 - 5,92m ▼ 14:08 - 0,39m ▲ 20:23 - 5,80m	▼ 02:21 - 0,65m ▲ 08:32 - 5,86m ▼ 14:51 - 0,45m ▲ 21:02 - 5,69m	▼ 03:01 - 0,76m ▲ 09:10 - 5,74m ▼ 15:29 - 0,61m ▲ 21:46 - 5,51m	▼ 03:46 - 0,95m ▲ 09:55 - 5,58m ▼ 16:12 - 0,80m ▲ 22:32 - 5,32m	▼ 04:31 - 1,17m ▲ 10:46 - 5,39m ▼ 17:04 - 1,00m ▲ 23:29 - 5,17m	☾ 05:29 - 1,35m ▲ 11:49 - 5,24m ▼ 18:10 - 1,15m
12	13	14	15	16	17	18
▲ 00:44 - 5,13m ▼ 06:42 - 1,43m ▲ 13:06 - 5,20m ▼ 19:27 - 1,18m	▲ 02:01 - 5,24m ▼ 07:59 - 1,34m ▲ 14:25 - 5,31m ▼ 20:44 - 1,07m	▲ 03:10 - 5,45m ▼ 09:12 - 1,13m ▲ 15:40 - 5,51m ▼ 21:53 - 0,88m	▲ 04:14 - 5,68m ▼ 10:19 - 0,85m ▲ 16:44 - 5,70m ▼ 22:55 - 0,71m	▲ 05:08 - 5,86m ▼ 11:17 - 0,59m ▲ 17:40 - 5,84m ▼ 23:47 - 0,58m	▲ 05:59 - 5,98m ▼ 12:06 - 0,37m ▲ 18:25 - 5,91m	☀ 00:32 - 0,52m ▲ 06:42 - 6,04m ▼ 12:57 - 0,23m ▲ 19:08 - 5,94m
19	20	21	22	23	24	25
▼ 01:10 - 0,48m ▲ 07:17 - 6,06m ▼ 13:40 - 0,21m ▲ 19:53 - 5,89m	▼ 01:57 - 0,51m ▲ 08:01 - 6,03m ▼ 14:14 - 0,27m ▲ 20:31 - 5,76m	▼ 02:32 - 0,66m ▲ 08:40 - 5,89m ▼ 14:55 - 0,44m ▲ 21:06 - 5,57m	▼ 03:04 - 0,85m ▲ 09:16 - 5,70m ▼ 15:29 - 0,70m ▲ 21:47 - 5,34m	▼ 03:46 - 1,11m ▲ 09:55 - 5,48m ▼ 16:02 - 0,95m ▲ 22:25 - 5,12m	▼ 04:19 - 1,36m ▲ 10:38 - 5,25m ▼ 16:47 - 1,20m ▲ 23:10 - 4,95m	▼ 05:06 - 1,58m ▲ 11:27 - 5,05m ▼ 17:34 - 1,43m
☾ 26	27	28	29	30	31	
▲ 00:08 - 4,83m ▼ 06:02 - 1,74m ▲ 12:27 - 4,91m ▼ 18:34 - 1,58m	▲ 01:14 - 4,81m ▼ 07:08 - 1,79m ▲ 13:36 - 4,87m ▼ 19:42 - 1,61m	▲ 02:16 - 4,89m ▼ 08:16 - 1,70m ▲ 14:42 - 4,95m ▼ 20:46 - 1,52m	▲ 03:14 - 5,05m ▼ 09:17 - 1,50m ▲ 15:38 - 5,11m ▼ 21:42 - 1,36m	▲ 04:04 - 5,24m ▼ 10:10 - 1,24m ▲ 16:29 - 5,29m ▼ 22:31 - 1,18m	▲ 04:51 - 5,43m ▼ 10:59 - 0,97m ▲ 17:14 - 5,47m ▼ 23:14 - 1,00m	



Gerência de Operação de Pátios e Embarque
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JUNHO

Domingo	Segunda	Terça	Quarta	Quinta	Sexta	Sábado
						1 ▲ 05:32 - 5,60m ▼ 11:46 - 0,73m ▲ 18:01 - 5,62m ▼ 23:59 - 0,85m
2	● 3	4	5	6	7	8
▲ 06:10 - 5,75m ▼ 12:27 - 0,54m ▲ 18:46 - 5,73m	▼ 00:44 - 0,74m ▲ 06:55 - 5,86m ▼ 13:08 - 0,40m ▲ 19:25 - 5,78m	▼ 01:21 - 0,67m ▲ 07:36 - 5,91m ▼ 13:57 - 0,32m ▲ 20:08 - 5,79m	▼ 02:04 - 0,64m ▲ 08:17 - 5,91m ▼ 14:42 - 0,35m ▲ 20:57 - 5,74m	▼ 02:55 - 0,71m ▲ 09:04 - 5,85m ▼ 15:23 - 0,45m ▲ 21:44 - 5,63m	▼ 03:40 - 0,84m ▲ 09:55 - 5,72m ▼ 16:10 - 0,60m ▲ 22:34 - 5,51m	▼ 04:29 - 1,01m ▲ 10:49 - 5,58m ▼ 17:02 - 0,78m ▲ 23:31 - 5,41m
9	☾ 10	11	12	13	14	15
▼ 05:27 - 1,15m ▲ 11:49 - 5,44m ▼ 18:02 - 0,94m	▲ 00:34 - 5,37m ▼ 06:31 - 1,22m ▲ 12:55 - 5,36m ▼ 19:06 - 1,05m	▲ 01:42 - 5,41m ▼ 07:40 - 1,20m ▲ 14:04 - 5,36m ▼ 20:14 - 1,08m	▲ 02:47 - 5,51m ▼ 08:51 - 1,09m ▲ 15:14 - 5,42m ▼ 21:23 - 1,03m	▲ 03:49 - 5,62m ▼ 09:57 - 0,92m ▲ 16:19 - 5,51m ▼ 22:25 - 0,96m	▲ 04:46 - 5,72m ▼ 10:57 - 0,73m ▲ 17:16 - 5,59m ▼ 23:17 - 0,87m	▲ 05:32 - 5,78m ▼ 11:49 - 0,58m ▲ 18:04 - 5,65m
16	● 17	18	19	20	21	22
▼ 00:04 - 0,79m ▲ 06:16 - 5,83m ▼ 12:36 - 0,48m ▲ 18:53 - 5,67m	▼ 00:53 - 0,75m ▲ 07:01 - 5,87m ▼ 13:14 - 0,42m ▲ 19:32 - 5,65m	▼ 01:31 - 0,76m ▲ 07:42 - 5,85m ▼ 13:59 - 0,43m ▲ 20:10 - 5,59m	▼ 02:06 - 0,81m ▲ 08:17 - 5,78m ▼ 14:34 - 0,56m ▲ 20:51 - 5,48m	▼ 02:47 - 0,94m ▲ 08:59 - 5,65m ▼ 15:06 - 0,72m ▲ 21:25 - 5,33m	▼ 03:17 - 1,11m ▲ 09:34 - 5,50m ▼ 15:44 - 0,91m ▲ 22:02 - 5,21m	▼ 03:57 - 1,27m ▲ 10:12 - 5,35m ▼ 16:14 - 1,09m ▲ 22:42 - 5,09m
23	24	☾ 25	26	27	28	29
▼ 04:36 - 1,44m ▲ 10:55 - 5,19m ▼ 16:59 - 1,26m ▲ 23:25 - 5,00m	▼ 05:17 - 1,57m ▲ 11:42 - 5,04m ▼ 17:44 - 1,43m	▲ 00:16 - 4,93m ▼ 06:12 - 1,66m ▲ 12:36 - 4,93m ▼ 18:38 - 1,56m	▲ 01:14 - 4,92m ▼ 07:12 - 1,66m ▲ 13:40 - 4,89m ▼ 19:38 - 1,60m	▲ 02:12 - 4,98m ▼ 08:16 - 1,56m ▲ 14:44 - 4,95m ▼ 20:42 - 1,52m	▲ 03:08 - 5,11m ▼ 09:19 - 1,36m ▲ 15:42 - 5,09m ▼ 21:42 - 1,37m	▲ 04:02 - 5,29m ▼ 10:16 - 1,10m ▲ 16:40 - 5,27m ▼ 22:36 - 1,19m
30						
▲ 04:57 - 5,48m ▼ 11:08 - 0,84m ▲ 17:32 - 5,45m ▼ 23:25 - 1,01m						



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JULHO

Domingo	Segunda	Terça	Quarta	Quinta	Sexta	Sábado
	1	2	3	4	5	6
	▲ 05:46 - 5,66m ▼ 12:02 - 0,61m ▲ 18:21 - 5,61m	● ▼ 00:14 - 0,84m ▲ 06:32 - 5,82m ▼ 12:55 - 0,41m ▲ 19:08 - 5,75m	▼ 01:04 - 0,69m ▲ 07:19 - 5,94m ▼ 13:46 - 0,28m ▲ 19:59 - 5,85m	▼ 01:57 - 0,59m ▲ 08:08 - 6,02m ▼ 14:31 - 0,23m ▲ 20:49 - 5,88m	▼ 02:47 - 0,57m ▲ 09:01 - 6,02m ▼ 15:16 - 0,25m ▲ 21:38 - 5,85m	▼ 03:34 - 0,64m ▲ 09:53 - 5,94m ▼ 16:04 - 0,37m ▲ 22:25 - 5,77m
7	8	9	10	11	12	13
▼ 04:23 - 0,76m ▲ 10:44 - 5,79m ▼ 16:55 - 0,58m ▲ 23:16 - 5,66m	▼ 05:14 - 0,91m ▲ 11:36 - 5,60m ▼ 17:47 - 0,82m	☾ ▲ 00:12 - 5,54m ▼ 06:10 - 1,05m ▲ 12:34 - 5,41m ▼ 18:44 - 1,05m	▲ 01:12 - 5,45m ▼ 07:12 - 1,15m ▲ 13:40 - 5,26m ▼ 19:47 - 1,21m	▲ 02:14 - 5,41m ▼ 08:19 - 1,18m ▲ 14:49 - 5,21m ▼ 20:55 - 1,27m	▲ 03:17 - 5,43m ▼ 09:29 - 1,11m ▲ 15:57 - 5,24m ▼ 21:59 - 1,24m	▲ 04:16 - 5,48m ▼ 10:32 - 0,97m ▲ 16:59 - 5,32m ▼ 22:57 - 1,15m
14	15	16	17	18	19	20
▲ 05:10 - 5,57m ▼ 11:27 - 0,82m ▲ 17:53 - 5,40m ▼ 23:47 - 1,05m	▲ 06:01 - 5,64m ▼ 12:12 - 0,69m ▲ 18:38 - 5,46m	☀ ▼ 00:31 - 0,97m ▲ 06:46 - 5,70m ▼ 12:59 - 0,60m ▲ 19:14 - 5,50m	▼ 01:08 - 0,91m ▲ 07:23 - 5,72m ▼ 13:40 - 0,59m ▲ 19:55 - 5,50m	▼ 01:51 - 0,90m ▲ 08:02 - 5,71m ▼ 14:10 - 0,63m ▲ 20:29 - 5,46m	▼ 02:23 - 0,97m ▲ 08:38 - 5,65m ▼ 14:49 - 0,72m ▲ 21:02 - 5,41m	▼ 02:59 - 1,04m ▲ 09:10 - 5,57m ▼ 15:14 - 0,84m ▲ 21:34 - 5,35m
21	22	23	24	25	26	27
▼ 03:31 - 1,15m ▲ 09:46 - 5,47m ▼ 15:51 - 0,97m ▲ 22:06 - 5,28m	▼ 04:04 - 1,25m ▲ 10:19 - 5,34m ▼ 16:19 - 1,12m ▲ 22:46 - 5,18m	▼ 04:46 - 1,37m ▲ 11:01 - 5,18m ▼ 17:01 - 1,29m ▲ 23:25 - 5,07m	☾ ▼ 05:25 - 1,50m ▲ 11:46 - 5,01m ▼ 17:46 - 1,47m	▲ 00:12 - 4,96m ▼ 06:16 - 1,58m ▲ 12:40 - 4,86m ▼ 18:38 - 1,62m	▲ 01:10 - 4,92m ▼ 07:19 - 1,59m ▲ 13:47 - 4,81m ▼ 19:42 - 1,66m	▲ 02:16 - 4,97m ▼ 08:31 - 1,48m ▲ 14:57 - 4,90m ▼ 20:55 - 1,56m
28	29	30	31			
▲ 03:19 - 5,13m ▼ 09:42 - 1,25m ▲ 16:02 - 5,09m ▼ 22:01 - 1,36m	▲ 04:23 - 5,35m ▼ 10:46 - 0,96m ▲ 17:06 - 5,34m ▼ 23:01 - 1,11m	▲ 05:21 - 5,61m ▼ 11:46 - 0,67m ▲ 18:02 - 5,59m ▼ 23:59 - 0,87m	▲ 06:14 - 5,84m ▼ 12:42 - 0,40m ▲ 18:57 - 5,82m			

Domingo	Segunda	Terça	Quarta	Quinta	Sexta	Sábado
				● 1 ▼ 00:55 - 0,64m ▲ 07:06 - 6,04m ▼ 13:31 - 0,20m ▲ 19:47 - 5,99m	2 ▼ 01:47 - 0,46m ▲ 08:01 - 6,17m ▼ 14:16 - 0,07m ▲ 20:34 - 6,08m	3 ▼ 02:36 - 0,37m ▲ 08:51 - 6,21m ▼ 15:04 - 0,06m ▲ 21:17 - 6,09m
4 ▼ 03:19 - 0,39m ▲ 09:40 - 6,12m ▼ 15:53 - 0,22m ▲ 22:04 - 6,00m	5 ▼ 04:06 - 0,51m ▲ 10:25 - 5,92m ▼ 16:36 - 0,50m ▲ 22:53 - 5,81m	6 ▼ 04:59 - 0,73m ▲ 11:10 - 5,65m ▼ 17:19 - 0,83m ▲ 23:42 - 5,58m	7 ☾ ▼ 05:51 - 0,98m ▲ 12:04 - 5,34m ▼ 18:10 - 1,16m	8 ▲ 00:36 - 5,36m ▼ 06:47 - 1,21m ▲ 13:06 - 5,07m ▼ 19:12 - 1,43m	9 ▲ 01:40 - 5,21m ▼ 07:53 - 1,34m ▲ 14:19 - 4,93m ▼ 20:21 - 1,56m	10 ▲ 02:49 - 5,17m ▼ 09:02 - 1,33m ▲ 15:36 - 4,96m ▼ 21:34 - 1,52m
11 ▲ 03:55 - 5,24m ▼ 10:10 - 1,19m ▲ 16:44 - 5,10m ▼ 22:38 - 1,38m	12 ▲ 04:55 - 5,38m ▼ 11:06 - 1,00m ▲ 17:36 - 5,26m ▼ 23:27 - 1,21m	13 ▲ 05:46 - 5,52m ▼ 11:59 - 0,83m ▲ 18:17 - 5,39m	14 ▼ 00:10 - 1,06m ▲ 06:27 - 5,62m ▼ 12:42 - 0,73m ▲ 18:59 - 5,48m	15 ● ▼ 00:53 - 0,95m ▲ 07:04 - 5,69m ▼ 13:14 - 0,66m ▲ 19:32 - 5,51m	16 ▼ 01:27 - 0,91m ▲ 07:42 - 5,71m ▼ 13:53 - 0,65m ▲ 20:02 - 5,55m	17 ▼ 02:02 - 0,88m ▲ 08:12 - 5,70m ▼ 14:19 - 0,70m ▲ 20:32 - 5,54m
18 ▼ 02:36 - 0,92m ▲ 08:46 - 5,66m ▼ 14:53 - 0,75m ▲ 21:02 - 5,53m	19 ▼ 03:02 - 0,96m ▲ 09:16 - 5,59m ▼ 15:17 - 0,87m ▲ 21:34 - 5,46m	20 ▼ 03:38 - 1,06m ▲ 09:51 - 5,46m ▼ 15:51 - 1,01m ▲ 22:04 - 5,35m	21 ▼ 04:06 - 1,18m ▲ 10:23 - 5,27m ▼ 16:19 - 1,20m ▲ 22:42 - 5,20m	22 ▼ 04:49 - 1,33m ▲ 11:01 - 5,07m ▼ 17:01 - 1,40m ▲ 23:19 - 5,04m	23 ☾ ▼ 05:34 - 1,48m ▲ 11:51 - 4,87m ▼ 17:51 - 1,60m	24 ▲ 00:14 - 4,91m ▼ 06:32 - 1,58m ▲ 12:55 - 4,73m ▼ 18:55 - 1,73m
25 ▲ 01:25 - 4,89m ▼ 07:49 - 1,56m ▲ 14:17 - 4,77m ▼ 20:14 - 1,70m	26 ▲ 02:44 - 5,02m ▼ 09:08 - 1,35m ▲ 15:38 - 5,00m ▼ 21:34 - 1,48m	27 ▲ 03:59 - 5,30m ▼ 10:21 - 1,02m ▲ 16:47 - 5,33m ▼ 22:44 - 1,15m	28 ▲ 05:02 - 5,63m ▼ 11:27 - 0,66m ▲ 17:47 - 5,67m ▼ 23:47 - 0,81m	29 ▲ 06:02 - 5,93m ▼ 12:25 - 0,34m ▲ 18:42 - 5,95m	30 ● ▼ 00:44 - 0,51m ▲ 06:57 - 6,16m ▼ 13:14 - 0,09m ▲ 19:27 - 6,15m	31 ▼ 01:34 - 0,28m ▲ 07:47 - 6,30m ▼ 14:02 - -0,05m ▲ 20:12 - 6,26m







Gerência de Operação de Pátios e Embarque
Supervisão de Marítima
Previsão de Marés - 2019
SETEMBRO

Domingo	Segunda	Terça	Quarta	Quinta	Sexta	Sábado
1 ▼ 02:16 - 0,15m ▲ 08:32 - 6,31m ▼ 14:49 - -0,01m ▲ 20:57 - 6,25m	2 ▼ 03:02 - 0,16m ▲ 09:16 - 6,19m ▼ 15:27 - 0,20m ▲ 21:40 - 6,10m	3 ▼ 03:53 - 0,34m ▲ 10:01 - 5,93m ▼ 16:06 - 0,51m ▲ 22:19 - 5,85m	4 ▼ 04:34 - 0,65m ▲ 10:46 - 5,58m ▼ 16:53 - 0,91m ▲ 23:04 - 5,55m	5 ▼ 05:16 - 0,99m ▲ 11:31 - 5,20m ▼ 17:38 - 1,31m ▲ 23:57 - 5,25m	 6 ▼ 06:10 - 1,30m ▲ 12:31 - 4,87m ▼ 18:36 - 1,64m	7 ▲ 00:59 - 5,01m ▼ 07:16 - 1,52m ▲ 13:49 - 4,69m ▼ 19:51 - 1,80m
8 ▲ 02:14 - 4,93m ▼ 08:36 - 1,55m ▲ 15:10 - 4,75m ▼ 21:06 - 1,74m	9 ▲ 03:29 - 5,04m ▼ 09:49 - 1,37m ▲ 16:19 - 4,97m ▼ 22:14 - 1,51m	10 ▲ 04:34 - 5,26m ▼ 10:49 - 1,13m ▲ 17:12 - 5,22m ▼ 23:06 - 1,26m	11 ▲ 05:25 - 5,47m ▼ 11:36 - 0,92m ▲ 17:59 - 5,41m ▼ 23:53 - 1,06m	12 ▲ 06:06 - 5,62m ▼ 12:12 - 0,77m ▲ 18:32 - 5,52m	13 ▼ 00:29 - 0,92m ▲ 06:46 - 5,70m ▼ 12:53 - 0,68m ▲ 19:02 - 5,61m	 14 ▼ 01:02 - 0,81m ▲ 07:14 - 5,75m ▼ 13:21 - 0,65m ▲ 19:34 - 5,66m
15 ▼ 01:40 - 0,76m ▲ 07:47 - 5,77m ▼ 13:57 - 0,64m ▲ 20:02 - 5,70m	16 ▼ 02:06 - 0,74m ▲ 08:16 - 5,75m ▼ 14:21 - 0,70m ▲ 20:31 - 5,69m	17 ▼ 02:42 - 0,78m ▲ 08:49 - 5,67m ▼ 14:53 - 0,79m ▲ 21:01 - 5,62m	18 ▼ 03:06 - 0,87m ▲ 09:19 - 5,52m ▼ 15:17 - 0,95m ▲ 21:31 - 5,48m	19 ▼ 03:44 - 1,01m ▲ 09:53 - 5,33m ▼ 15:53 - 1,14m ▲ 22:02 - 5,31m	20 ▼ 04:14 - 1,19m ▲ 10:29 - 5,10m ▼ 16:27 - 1,37m ▲ 22:42 - 5,13m	 21 ▼ 04:59 - 1,36m ▲ 11:14 - 4,88m ▼ 17:12 - 1,58m ▲ 23:34 - 4,97m
22 ▼ 05:59 - 1,53m ▲ 12:19 - 4,72m ▼ 18:19 - 1,76m	23 ▲ 00:49 - 4,89m ▼ 07:17 - 1,57m ▲ 13:51 - 4,74m ▼ 19:49 - 1,75m	24 ▲ 02:17 - 5,01m ▼ 08:49 - 1,36m ▲ 15:16 - 5,03m ▼ 21:12 - 1,48m	25 ▲ 03:40 - 5,32m ▼ 10:04 - 0,99m ▲ 16:27 - 5,42m ▼ 22:27 - 1,09m	26 ▲ 04:49 - 5,69m ▼ 11:08 - 0,60m ▲ 17:27 - 5,80m ▼ 23:31 - 0,70m	27 ▲ 05:47 - 6,01m ▼ 12:04 - 0,28m ▲ 18:17 - 6,08m	 28 ▼ 00:23 - 0,37m ▲ 06:40 - 6,22m ▼ 12:57 - 0,06m ▲ 19:02 - 6,26m
29 ▼ 01:10 - 0,13m ▲ 07:25 - 6,31m ▼ 13:44 - 0,00m ▲ 19:49 - 6,33m	30 ▼ 02:01 - 0,00m ▲ 08:08 - 6,29m ▼ 14:21 - 0,07m ▲ 20:29 - 6,28m					







Gerência de Operação de Pátios e Embarque
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OUTUBRO

Domingo	Segunda	Terça	Quarta	Quinta	Sexta	Sábado
		1	2	3	4	5
		▼ 02:47 - 0,07m ▲ 08:55 - 6,13m ▼ 15:02 - 0,26m ▲ 21:06 - 6,12m	▼ 03:23 - 0,29m ▲ 09:36 - 5,83m ▼ 15:44 - 0,61m ▲ 21:49 - 5,85m	▼ 04:04 - 0,61m ▲ 10:14 - 5,47m ▼ 16:19 - 1,01m ▲ 22:29 - 5,51m	▼ 04:49 - 1,00m ▲ 10:59 - 5,08m ▼ 17:02 - 1,41m ▲ 23:16 - 5,18m	 ▼ 05:36 - 1,36m ▲ 11:55 - 4,74m ▼ 17:59 - 1,76m
6	7	8	9	10	11	12
▲ 00:17 - 4,90m ▼ 06:40 - 1,63m ▲ 13:12 - 4,56m ▼ 19:10 - 1,94m	▲ 01:38 - 4,79m ▼ 07:59 - 1,70m ▲ 14:38 - 4,64m ▼ 20:34 - 1,88m	▲ 02:59 - 4,91m ▼ 09:16 - 1,53m ▲ 15:49 - 4,90m ▼ 21:46 - 1,62m	▲ 04:04 - 5,16m ▼ 10:14 - 1,26m ▲ 16:44 - 5,19m ▼ 22:40 - 1,32m	▲ 04:57 - 5,41m ▼ 11:02 - 1,01m ▲ 17:25 - 5,42m ▼ 23:19 - 1,07m	▲ 05:40 - 5,59m ▼ 11:44 - 0,83m ▲ 18:01 - 5,58m	▼ 00:01 - 0,86m ▲ 06:12 - 5,70m ▼ 12:16 - 0,72m ▲ 18:32 - 5,68m
 13	14	15	16	17	18	19
▼ 00:38 - 0,74m ▲ 06:47 - 5,76m ▼ 12:55 - 0,65m ▲ 19:01 - 5,76m	▼ 01:06 - 0,64m ▲ 07:16 - 5,79m ▼ 13:23 - 0,65m ▲ 19:31 - 5,80m	▼ 01:46 - 0,61m ▲ 07:51 - 5,78m ▼ 13:57 - 0,67m ▲ 20:01 - 5,80m	▼ 02:12 - 0,63m ▲ 08:23 - 5,69m ▼ 14:23 - 0,77m ▲ 20:32 - 5,72m	▼ 02:49 - 0,71m ▲ 08:57 - 5,55m ▼ 14:57 - 0,90m ▲ 21:02 - 5,59m	▼ 03:17 - 0,86m ▲ 09:31 - 5,35m ▼ 15:29 - 1,11m ▲ 21:40 - 5,42m	▼ 03:57 - 1,04m ▲ 10:06 - 5,14m ▼ 16:04 - 1,32m ▲ 22:19 - 5,23m
20	21	22	23	24	25	26
▼ 04:40 - 1,25m ▲ 10:57 - 4,93m ▼ 16:59 - 1,55m ▲ 23:14 - 5,06m	 ▼ 05:40 - 1,43m ▲ 12:04 - 4,79m ▼ 18:06 - 1,72m	▲ 00:29 - 4,97m ▼ 07:01 - 1,48m ▲ 13:36 - 4,85m ▼ 19:34 - 1,68m	▲ 01:59 - 5,09m ▼ 08:29 - 1,29m ▲ 14:59 - 5,16m ▼ 20:57 - 1,39m	▲ 03:19 - 5,38m ▼ 09:46 - 0,95m ▲ 16:06 - 5,55m ▼ 22:08 - 0,99m	▲ 04:29 - 5,72m ▼ 10:51 - 0,61m ▲ 17:04 - 5,88m ▼ 23:08 - 0,62m	▲ 05:27 - 5,98m ▼ 11:46 - 0,36m ▲ 17:55 - 6,11m
27	 28	29	30	31		
▼ 00:02 - 0,31m ▲ 06:16 - 6,13m ▼ 12:32 - 0,23m ▲ 18:40 - 6,22m	▼ 00:57 - 0,11m ▲ 07:02 - 6,18m ▼ 13:12 - 0,17m ▲ 19:19 - 6,26m	▼ 01:42 - 0,04m ▲ 07:49 - 6,12m ▼ 13:59 - 0,22m ▲ 20:01 - 6,22m	▼ 02:19 - 0,10m ▲ 08:31 - 5,96m ▼ 14:40 - 0,42m ▲ 20:42 - 6,06m	▼ 03:02 - 0,28m ▲ 09:08 - 5,71m ▼ 15:14 - 0,71m ▲ 21:19 - 5,81m		







Gerência de Operação de Pátios e Embarque
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NOVEMBRO

Domingo	Segunda	Terça	Quarta	Quinta	Sexta	Sábado
					1	2
					▼ 03:42 - 0,62m ▲ 09:51 - 5,37m ▼ 15:55 - 1,07m ▲ 22:01 - 5,51m	▼ 04:16 - 0,99m ▲ 10:31 - 5,03m ▼ 16:34 - 1,44m ▲ 22:47 - 5,18m
3	4	5	6	7	8	9
▼ 05:01 - 1,34m ▲ 11:21 - 4,74m ▼ 17:21 - 1,76m ▲ 23:42 - 4,91m	 ▼ 05:59 - 1,62m ▲ 12:32 - 4,57m ▼ 18:29 - 1,96m	▲ 00:55 - 4,77m ▼ 07:10 - 1,75m ▲ 13:53 - 4,61m ▼ 19:49 - 1,95m	▲ 02:12 - 4,82m ▼ 08:27 - 1,66m ▲ 15:02 - 4,83m ▼ 21:02 - 1,73m	▲ 03:21 - 5,02m ▼ 09:31 - 1,43m ▲ 15:59 - 5,11m ▼ 22:01 - 1,43m	▲ 04:16 - 5,25m ▼ 10:21 - 1,19m ▲ 16:46 - 5,35m ▼ 22:47 - 1,15m	▲ 05:02 - 5,45m ▼ 11:04 - 0,98m ▲ 17:21 - 5,53m ▼ 23:25 - 0,93m
10	11	12	13	14	15	16
▲ 05:42 - 5,59m ▼ 11:46 - 0,85m ▲ 17:57 - 5,66m	▼ 00:02 - 0,74m ▲ 06:14 - 5,68m ▼ 12:17 - 0,76m ▲ 18:29 - 5,74m	 ▼ 00:44 - 0,62m ▲ 06:53 - 5,73m ▼ 12:55 - 0,71m ▲ 19:01 - 5,81m	▼ 01:14 - 0,55m ▲ 07:25 - 5,73m ▼ 13:27 - 0,71m ▲ 19:36 - 5,82m	▼ 01:55 - 0,53m ▲ 08:02 - 5,69m ▼ 14:01 - 0,75m ▲ 20:08 - 5,79m	▼ 02:29 - 0,60m ▲ 08:40 - 5,57m ▼ 14:40 - 0,87m ▲ 20:47 - 5,70m	▼ 03:04 - 0,71m ▲ 09:16 - 5,41m ▼ 15:14 - 1,03m ▲ 21:25 - 5,55m
17	18	19	20	21	22	23
▼ 03:47 - 0,88m ▲ 10:01 - 5,24m ▼ 15:59 - 1,23m ▲ 22:12 - 5,38m	▼ 04:34 - 1,08m ▲ 10:53 - 5,07m ▼ 16:53 - 1,43m ▲ 23:08 - 5,23m	 ▼ 05:34 - 1,25m ▲ 12:01 - 4,98m ▼ 18:01 - 1,55m	▲ 00:21 - 5,14m ▼ 06:49 - 1,30m ▲ 13:19 - 5,06m ▼ 19:17 - 1,50m	▲ 01:44 - 5,20m ▼ 08:04 - 1,20m ▲ 14:36 - 5,30m ▼ 20:36 - 1,28m	▲ 03:01 - 5,40m ▼ 09:17 - 0,99m ▲ 15:42 - 5,58m ▼ 21:49 - 0,97m	▲ 04:06 - 5,62m ▼ 10:21 - 0,77m ▲ 16:40 - 5,82m ▼ 22:51 - 0,67m
24	25	26	27	28	29	30
▲ 05:06 - 5,79m ▼ 11:16 - 0,60m ▲ 17:29 - 5,96m ▼ 23:47 - 0,43m	▲ 05:59 - 5,89m ▼ 12:04 - 0,49m ▲ 18:12 - 6,05m	 ▼ 00:34 - 0,29m ▲ 06:47 - 5,91m ▼ 12:55 - 0,44m ▲ 18:59 - 6,09m	▼ 01:14 - 0,21m ▲ 07:27 - 5,87m ▼ 13:36 - 0,48m ▲ 19:40 - 6,06m	▼ 02:01 - 0,22m ▲ 08:08 - 5,77m ▼ 14:10 - 0,59m ▲ 20:17 - 5,96m	▼ 02:44 - 0,38m ▲ 08:51 - 5,58m ▼ 14:55 - 0,79m ▲ 20:59 - 5,78m	▼ 03:16 - 0,64m ▲ 09:29 - 5,33m ▼ 15:29 - 1,09m ▲ 21:40 - 5,53m



Gerência de Operação de Pátios e Embarque
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DEZEMBRO

Domingo	Segunda	Terça	Quarta	Quinta	Sexta	Sábado
1	2	3	 4	5	6	7
▼ 03:55 - 0,95m ▲ 10:06 - 5,07m ▼ 16:04 - 1,38m ▲ 22:19 - 5,26m	▼ 04:31 - 1,25m ▲ 10:51 - 4,85m ▼ 16:51 - 1,64m ▲ 23:08 - 5,03m	▼ 05:14 - 1,50m ▲ 11:46 - 4,70m ▼ 17:44 - 1,84m	▲ 00:06 - 4,86m ▼ 06:14 - 1,68m ▲ 12:53 - 4,67m ▼ 18:51 - 1,92m	▲ 01:14 - 4,80m ▼ 07:25 - 1,73m ▲ 14:02 - 4,76m ▼ 20:02 - 1,84m	▲ 02:23 - 4,86m ▼ 08:34 - 1,63m ▲ 15:02 - 4,95m ▼ 21:06 - 1,62m	▲ 03:23 - 5,01m ▼ 09:32 - 1,45m ▲ 15:55 - 5,15m ▼ 22:01 - 1,35m
8	9	10	11	 12	13	14
▲ 04:16 - 5,19m ▼ 10:19 - 1,27m ▲ 16:38 - 5,33m ▼ 22:49 - 1,10m	▲ 05:02 - 5,35m ▼ 11:02 - 1,09m ▲ 17:17 - 5,49m ▼ 23:31 - 0,89m	▲ 05:46 - 5,48m ▼ 11:46 - 0,95m ▲ 17:57 - 5,64m	▼ 00:10 - 0,71m ▲ 06:23 - 5,59m ▼ 12:23 - 0,85m ▲ 18:36 - 5,74m	▼ 00:55 - 0,57m ▲ 07:04 - 5,66m ▼ 13:02 - 0,75m ▲ 19:12 - 5,83m	▼ 01:36 - 0,49m ▲ 07:47 - 5,69m ▼ 13:46 - 0,73m ▲ 19:55 - 5,87m	▼ 02:14 - 0,47m ▲ 08:29 - 5,66m ▼ 14:25 - 0,77m ▲ 20:38 - 5,84m
15	16	17	18	 19	20	21
▼ 02:59 - 0,52m ▲ 09:10 - 5,58m ▼ 15:06 - 0,87m ▲ 21:21 - 5,75m	▼ 03:46 - 0,65m ▲ 09:59 - 5,47m ▼ 15:57 - 1,01m ▲ 22:10 - 5,61m	▼ 04:31 - 0,82m ▲ 10:49 - 5,35m ▼ 16:51 - 1,18m ▲ 23:04 - 5,46m	▼ 05:25 - 1,00m ▲ 11:49 - 5,26m ▼ 17:53 - 1,29m	▲ 00:08 - 5,34m ▼ 06:29 - 1,14m ▲ 12:57 - 5,25m ▼ 19:01 - 1,31m	▲ 01:19 - 5,27m ▼ 07:38 - 1,19m ▲ 14:06 - 5,34m ▼ 20:08 - 1,23m	▲ 02:34 - 5,29m ▼ 08:49 - 1,15m ▲ 15:12 - 5,47m ▼ 21:21 - 1,07m
22	23	24	25	 26	27	28
▲ 03:46 - 5,38m ▼ 09:57 - 1,05m ▲ 16:12 - 5,60m ▼ 22:25 - 0,87m	▲ 04:49 - 5,48m ▼ 10:57 - 0,93m ▲ 17:06 - 5,71m ▼ 23:21 - 0,69m	▲ 05:44 - 5,55m ▼ 11:49 - 0,83m ▲ 17:57 - 5,78m	▼ 00:10 - 0,54m ▲ 06:31 - 5,60m ▼ 12:32 - 0,77m ▲ 18:40 - 5,84m	▼ 01:01 - 0,43m ▲ 07:12 - 5,62m ▼ 13:10 - 0,72m ▲ 19:19 - 5,87m	▼ 01:46 - 0,42m ▲ 07:55 - 5,60m ▼ 13:57 - 0,73m ▲ 20:02 - 5,85m	▼ 02:19 - 0,50m ▲ 08:34 - 5,51m ▼ 14:32 - 0,86m ▲ 20:42 - 5,74m
29	30	31				
▼ 02:59 - 0,65m ▲ 09:08 - 5,37m ▼ 15:04 - 1,03m ▲ 21:17 - 5,59m	▼ 03:31 - 0,87m ▲ 09:46 - 5,22m ▼ 15:44 - 1,24m ▲ 21:55 - 5,42m	▼ 04:02 - 1,07m ▲ 10:19 - 5,08m ▼ 16:16 - 1,42m ▲ 22:34 - 5,24m				