



Universal Marina tide tables 2024



January

Date	Time	HT	Date	Time	HT
1 Mon	01:51	4.3	16 Tue	02:31	4.7
	07:48	1.7		07:59	1.0
	13:58	4.2		14:47	4.6
	20:02	1.5		20:22	0.9
2 Tue	02:28	4.2	17 Wed	03:31	4.6
	08:21	1.8		08:48	1.3
	14:35	4.1		15:46	4.5
	20:36	1.7		21:11	1.2
3 Wed	03:09	4.2	18 Thu	03:53	4.4
	09:00	2.0		09:42	1.5
	15:16	3.9		16:12	4.2
	21:20	1.8		22:09	1.5
4 Thu	03:51	4.1	19 Fri	04:54	4.3
	09:49	2.1		10:46	1.8
	16:04	3.8		17:13	4.0
	22:15	2.0		23:17	1.8
5 Fri	04:40	4.0	20 Sat	05:55	4.2
	10:50	2.2		12:04	1.9
	16:54	3.7		18:23	3.9
	23:20	2.1			
6 Sat	05:35	3.9	21 Sun	00:34	1.9
	11:56	2.1		06:55	4.1
	NP	17:55		13:20	1.9
				19:29	3.9
7 Sun	00:25	2.1	22 Mon	01:44	1.9
	06:36	3.9		08:00	4.1
	12:59	2.0		14:21	1.7
	19:06	3.8		20:32	4.0
8 Mon	01:26	1.9	23 Tue	02:42	1.8
	07:46	4.1		09:00	4.2
	13:58	1.8		15:12	1.5
	20:20	4.0		22:39	4.2
9 Tue	02:23	1.7	24 Wed	03:32	1.6
	08:50	4.3		09:49	4.3
	14:53	1.5		15:59	1.3
	21:24	4.3		23:24	4.4
10 Wed	03:16	1.5	25 Thu	04:19	1.4
	09:42	4.5		10:36	4.4
	15:44	1.2		16:42	1.1
	22:14	4.5		23:06	4.3
11 Thu	04:07	1.3	26 Fri	05:01	1.3
	10:33	4.7		11:17	4.4
	16:33	0.9		17:23	1.0
	23:00	4.6		23:43	4.4
12 Fri	04:55	1.1	27 Sat	05:43	1.2
	11:18	4.8		11:56	4.4
	17:20	0.7		18:02	1.0
13 Sat	00:11	4.8	28 Sun	00:21	4.4
	05:42	0.9		06:20	1.2
	12:05	4.8		12:30	4.4
	18:06	0.6		18:37	1.0
14 Sun	00:54	4.8	29 Mon	01:37	4.5
	06:28	0.9		06:52	1.3
	13:09	4.9		13:02	4.4
	18:51	0.6		19:05	1.1
15 Mon	01:40	4.8	30 Tue	02:03	4.5
	07:13	0.9		07:18	1.4
	13:56	4.8		13:33	4.3
	19:36	0.7		19:29	1.2
			31 Wed	01:55	4.3
				07:43	1.4
				14:05	4.2
				19:56	1.3

February

Date	Time	HT	Date	Time	HT
1 Thu	02:32	4.3	16 Fri	03:22	4.4
	08:15	1.5		09:07	1.3
	14:43	4.2		15:38	4.2
	20:32	1.4		21:32	1.5
2 Fri	03:12	4.2	17 Sat	04:15	4.1
	08:56	1.6		10:05	1.7
	15:27	4.1		16:41	3.9
	21:16	1.6		22:38	1.9
3 Sat	03:54	4.1	18 Sun	05:19	4.0
	09:46	1.8		11:27	2.0
	16:14	3.9		NP	17:54
	22:11	1.9			
4 Sun	04:43	3.9	19 Mon	00:13	2.2
	10:52	2.0		06:27	3.8
	NP	17:11		13:07	2.1
	23:25	2.1		19:08	3.7
5 Mon	06:38	3.9	20 Tue	01:39	2.1
	12:11	2.1		07:36	3.8
	18:14	3.6		14:12	1.9
				20:15	3.8
6 Tue	00:48	2.1	21 Wed	02:36	2.0
	06:51	3.8		10:07	4.1
	13:32	1.9		15:01	1.6
	19:43	3.8		21:17	4.0
7 Wed	02:07	1.9	22 Thu	03:21	1.7
	08:25	4.1		10:29	4.2
	14:42	1.6		15:43	1.3
	21:12	4.2		22:03	4.2
8 Thu	03:09	1.6	23 Fri	04:04	1.4
	09:30	4.4		10:55	4.3
	15:37	1.2		16:23	1.0
	22:06	4.5		23:33	4.4
9 Fri	04:01	1.2	24 Sat	04:43	1.1
	10:19	4.6		10:57	4.3
	16:25	0.7		17:02	0.9
	22:47	4.7		23:22	4.4
10 Sat	04:47	0.8	25 Sun	05:21	1.0
	11:07	4.8		11:31	4.4
	17:10	0.4		17:39	0.8
	23:55	4.9		23:58	4.4
11 Sun	05:31	0.6	26 Mon	05:57	1.0
	12:07	5.0		12:04	4.4
	17:52	0.3		18:12	0.9
12 Mon	00:36	4.9	27 Tue	00:26	4.4
	06:13	0.5		06:25	1.1
	12:50	5.0		12:38	4.4
	18:34	0.2		18:37	1.0
13 Tue	01:20	4.9	28 Wed	01:25	4.5
	06:55	0.5		06:46	1.1
	13:35	4.9		13:31	4.5
	19:15	0.4		18:57	1.0
14 Wed	02:07	4.8	29 Thu	01:50	4.5
	07:36	0.7		07:09	1.1
	14:23	4.7		14:01	4.5
	19:57	0.7		19:23	1.1
15 Thu	03:03	4.7			
	08:19	1.0			
	15:20	4.5			
	20:41	1.0			

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March

Date	Time	HT	Date	Time	HT	
1 Fri	02:22	4.5	16 Sat	02:42	4.3	
	07:41	1.1		08:36	1.3	
	14:14	4.4		15:08	4.1	
	19:57	1.2		21:01	1.6	
2 Sat	02:36	4.4	17 Sun	03:32	4.0	
	08:19	1.2		09:30	1.7	
	14:56	4.2		16:06	3.8	
	20:38	1.4		22:08	2.1	
3 Sun	03:17	4.2	18 Mon	04:37	3.7	
	09:04	1.5		10:55	2.1	
	15:41	4.0		17:30	3.7	
	21:27	1.8		23:54	2.3	
4 Mon	04:06	3.9	19 Tue	05:54	3.6	
	10:01	1.9		12:38	2.1	
	17:13	3.9		NP	18:39	3.6
	22:34	2.1				
5 Tue	04:59	3.7	20 Wed	01:17	2.2	
	11:33	2.1		07:02	3.6	
	NP	17:36		13:45	2.0	
				19:49	3.7	
6 Wed	00:31	2.3	21 Thu	02:14	2.0	
	06:09	3.6		08:05	3.7	
	13:29	2.0		14:34	1.7	
	19:27	3.7		20:46	3.9	
7 Thu	02:12	2.0	22 Fri	02:58	1.7	
	08:11	4.0		09:05	3.9	
	14:37	1.5		15:16	1.4	
	20:58	4.2		21:34	4.1	
8 Fri	03:03	1.5	23 Sat	03:38	1.3	
	09:16	4.3		10:31	4.2	
	15:25	1.0		15:56	1.1	
	21:47	4.5		23:09	4.4	
9 Sat	03:48	1.0	24 Sun	04:17	1.1	
	10:04	4.6		10:30	4.3	
	16:09	0.6		16:34	0.9	
	22:33	4.8		22:53	4.4	
10 Sun	04:31	0.6	25 Mon	04:53	0.9	
	10:46	4.8		11:04	4.4	
	16:51	0.3		17:09	0.8	
	23:34	5.0		23:29	4.5	
11 Mon	05:12	0.3	26 Tue	05:26	0.9	
	11:46	5.0		11:36	4.4	
	17:32	0.1		SP	17:41	0.9
				23:56	4.5	
12 Tue	00:14	5.0	27 Wed	05:53	1.0	
	05:52	0.2		12:09	4.4	
	SP	12:28		18:05	1.0	
	18:11	0.1				
13 Wed	00:56	5.0	28 Thu	00:51	4.6	
	06:32	0.3		06:14	1.0	
	13:12	4.9		13:02	4.5	
	18:51	0.3		18:26	1.0	
14 Thu	01:42	4.8	29 Fri	01:18	4.6	
	07:11	0.5		06:40	0.9	
	14:00	4.7		13:34	4.6	
	19:30	0.6		18:55	1.0	
15 Fri	02:35	4.7	30 Sat	01:31	4.5	
	07:52	0.9		07:13	1.0	
	15:00	4.5		14:11	4.5	
	20:12	1.1		19:30	1.1	
			31 Sun	03:05	4.4	
				08:51	1.1	
				15:30	4.3	
				21:11	1.4	

April

Date	Time	HT	Date	Time	HT	
1 Mon	03:46	4.2	16 Tue	04:56	3.6	
	09:35	1.4		11:25	2.0	
	16:17	4.1		17:58	3.7	
	21:59	1.8				
2 Tue	04:33	3.9	17 Wed	00:16	2.3	
	10:30	1.8		06:14	3.5	
	17:56	3.9		NP	12:48	2.1
	23:09	2.2			19:57	3.8
3 Wed	05:26	3.6	18 Thu	01:31	2.3	
	12:20	2.1		08:08	3.6	
	NP	18:17		13:57	2.0	
				20:05	3.7	
4 Thu	01:45	2.2	19 Fri	02:34	2.1	
	06:54	3.6		08:25	3.6	
	14:17	1.9		14:53	1.8	
	20:15	3.9		21:07	3.9	
5 Fri	02:56	1.9	20 Sat	03:23	1.8	
	08:47	4.0		09:27	3.8	
	15:15	1.4		15:40	1.5	
	21:35	4.3		21:58	4.1	
6 Sat	03:43	1.4	21 Sun	04:06	1.5	
	09:52	4.3		10:59	4.1	
	16:02	1.0		16:22	1.2	
	22:25	4.6		23:27	4.4	
7 Sun	04:26	0.9	22 Mon	04:44	1.2	
	10:36	4.6		10:54	4.2	
	16:45	0.6		16:59	1.1	
	23:05	4.8		23:17	4.4	
8 Mon	05:08	0.6	23 Tue	05:20	1.1	
	11:23	4.8		11:34	4.3	
	17:27	0.3		17:34	1.0	
				23:54	4.5	
9 Tue	00:11	5.0	24 Wed	05:51	1.0	
	05:48	0.3		12:08	4.4	
	12:24	4.9		SP	18:05	1.0
	18:07	0.2				
10 Wed	00:51	5.0	25 Thu	00:24	4.5	
	06:28	0.3		06:19	1.0	
	SP	13:06		13:08	4.5	
	18:46	0.3		18:33	1.0	
11 Thu	01:32	4.9	26 Fri	01:21	4.6	
	07:07	0.4		06:46	0.9	
	13:51	4.8		13:38	4.6	
	19:26	0.5		19:00	1.1	
12 Fri	02:17	4.8	27 Sat	01:52	4.6	
	07:47	0.6		07:16	0.9	
	14:41	4.6		14:13	4.6	
	20:06	0.8		19:33	1.1	
13 Sat	03:08	4.6	28 Sun	02:03	4.5	
	08:27	0.9		07:52	1.0	
	14:53	4.3		14:53	4.5	
	20:49	1.3		20:12	1.3	
14 Sun	03:14	4.2	29 Mon	02:44	4.4	
	09:11	1.3		08:33	1.2	
	15:43	4.1		15:41	4.4	
	21:39	1.7		20:55	1.5	
15 Mon	03:56	3.9	30 Tue	03:29	4.2	
	10:06	1.7		09:20	1.5	
	16:45	3.9		16:40	4.2	
	22:48	2.1		21:49	1.9	

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May

Date	Time	HT	Date	Time	HT
1 Wed	04:16	3.9	16 Thu NP	05:36	3.6
	10:25	1.8		11:58	2.0
	18:01	4.0		18:21	3.8
	23:19	2.1			
2 Thu NP	05:25	3.8	17 Fri	00:40	2.2
	12:10	1.9		07:23	3.7
	18:20	3.9		13:02	2.0
		19:20		3.8	
3 Fri	01:03	2.1	18 Sat	01:43	2.1
	06:49	3.8		08:27	3.7
	13:36	1.7		14:02	1.9
	19:50	4.1		20:19	3.9
4 Sat	02:17	1.8	19 Sun	02:39	1.9
	08:14	4.0		09:31	3.9
	14:39	1.4		14:55	1.7
	21:00	4.4		21:10	4.1
5 Sun	03:11	1.4	20 Mon	03:25	1.7
	09:20	4.3		10:18	4.1
	15:30	1.1		15:39	1.5
	21:55	4.6		22:01	4.3
6 Mon	03:57	1.0	21 Tue	04:04	1.5
	10:11	4.5		10:19	4.1
	16:16	0.8		16:19	1.4
	22:36	4.8		22:43	4.4
7 Tue	04:41	0.7	22 Wed	04:40	1.3
	10:56	4.7		11:02	4.3
	16:59	0.6		16:56	1.3
	23:48	4.9		23:19	4.5
8 Wed	05:23	0.6	23 Thu	05:14	1.1
	12:02	4.8		11:39	4.4
	17:41	0.6		17:31	1.2
				23:52	4.5
9 Thu SP	00:28	4.9	24 Fri SP	05:48	1.0
	06:04	0.5		12:47	4.5
	12:48	4.7		18:06	1.2
	18:22	0.6			
10 Fri	01:11	4.8	25 Sat	00:28	4.5
	06:45	0.6		06:24	1.0
	13:37	4.6		13:21	4.6
	19:04	0.8		18:42	1.2
11 Sat	01:56	4.7	26 Sun	01:08	4.6
	07:26	0.8		07:02	1.0
	13:52	4.4		14:00	4.6
	19:47	1.1		19:22	1.2
12 Sun	02:46	4.5	27 Mon	01:48	4.5
	08:09	1.1		07:43	1.0
	14:36	4.3		14:44	4.5
	20:33	1.4		20:06	1.3
13 Mon	02:47	4.2	28 Tue	02:34	4.4
	08:55	1.4		08:29	1.2
	15:27	4.1		15:36	4.4
	21:24	1.7		20:56	1.5
14 Tue	03:38	4.0	29 Wed	03:22	4.3
	09:48	1.6		09:22	1.4
	16:24	4.0		16:37	4.3
	22:25	2.0		21:55	1.7
15 Wed	04:33	3.8	30 Thu	04:18	4.1
	10:52	1.9		10:27	1.5
	17:25	3.9		17:56	4.3
	23:33	2.2		23:07	1.8
			31 Fri NP	05:19	4.0
				11:40	1.6
				18:08	4.2

June

Date	Time	HT	Date	Time	HT	
1 Sat	00:21	1.8	16 Sun	00:36	2.1	
	06:32	4.0		06:42	3.6	
	12:51	1.6		NP	12:59	2.0
	19:15	4.2			19:18	3.9
2 Sun	01:30	1.7	17 Mon	01:34	2.1	
	07:42	4.1		07:46	3.7	
	13:56	1.5		13:55	1.9	
	20:24	4.4		20:20	4.0	
3 Mon	02:33	1.5	18 Tue	02:27	1.9	
	08:47	4.2		08:46	3.8	
	14:54	1.3		14:47	1.8	
	21:19	4.5		21:16	4.1	
4 Tue	03:27	1.2	19 Wed	03:15	1.7	
	09:41	4.4		09:44	4.0	
	15:46	1.1		15:35	1.7	
	22:11	4.6		22:06	4.3	
5 Wed	04:15	1.0	20 Thu	04:00	1.5	
	10:30	4.4		10:28	4.2	
	16:33	1.0		16:20	1.5	
	22:56	4.6		22:46	4.4	
6 Thu	05:00	0.9	21 Fri	04:44	1.3	
	11:53	4.5		11:12	4.3	
	17:19	1.0		17:05	1.4	
				23:32	4.5	
7 Fri	00:14	4.7	22 Sat	05:27	1.1	
	05:46	0.9		11:56	4.4	
	12:43	4.5		17:49	1.3	
	18:05	1.0				
8 Sat	00:58	4.6	23 Sun	00:13	4.5	
	06:29	0.9		06:11	1.0	
	SP	12:51		13:11	4.6	
	18:50	1.1		18:34	1.2	
9 Sun	01:43	4.5	24 Mon	00:56	4.6	
	07:14	1.0		06:56	0.9	
	13:38	4.4		13:51	4.6	
	19:36	1.3		19:19	1.2	
10 Mon	01:47	4.3	25 Tue	01:38	4.6	
	07:57	1.1		07:41	0.9	
	14:22	4.3		14:35	4.6	
	20:21	1.4		20:05	1.2	
11 Tue	02:33	4.2	26 Wed	02:23	4.5	
	08:41	1.3		08:27	0.9	
	15:08	4.2		15:24	4.6	
	21:06	1.6		20:53	1.2	
12 Wed	03:16	4.1	27 Thu	03:38	4.5	
	09:26	1.5		09:15	1.1	
	15:54	4.1		16:20	4.6	
	21:54	1.8		21:44	1.4	
13 Thu	04:02	3.9	28 Fri	04:34	4.4	
	10:14	1.7		10:08	1.2	
	16:42	4.1		17:28	4.5	
	22:45	2.0		22:40	1.5	
14 Fri	04:51	3.8	29 Sat	05:03	4.2	
	11:06	1.8		11:07	1.4	
	17:36	4.0		17:45	4.3	
	23:39	2.1		23:43	1.6	
15 Sat	05:42	3.7	30 Sun	06:04	4.1	
	12:02	2.0		12:11	1.5	
	18:27	4.0		18:46	4.3	

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July

Date	Time	HT	Date	Time	HT
1	00:51	1.7	16	00:26	2.1
Mon	07:11	4.1	Tue	06:26	3.6
NP	13:18	1.6		12:55	2.1
	19:47	4.3		19:02	3.8
2	02:00	1.7	17	01:28	2.0
Tue	08:17	4.1	Wed	07:32	3.6
	14:24	1.6		13:57	2.1
	20:50	4.3		20:08	3.9
3	03:03	1.5	18	02:31	1.9
Wed	09:17	4.1	Thu	08:51	3.8
	15:24	1.6		14:59	1.9
	21:48	4.4		21:22	4.1
4	03:58	1.4	19	03:31	1.7
Thu	10:15	4.2	Fri	10:06	4.1
	16:19	1.5		15:57	1.7
	22:39	4.4		22:23	4.3
5	04:48	1.2	20	04:26	1.4
Fri	11:57	4.4	Sat	11:01	4.3
	17:09	1.4		16:50	1.5
	23:27	4.4		23:17	4.5
6	05:35	1.1	21	05:16	1.1
Sat	12:50	4.5	Sun	11:44	4.5
	17:56	1.3		17:39	1.2
7	00:09	4.4	22	00:02	4.6
Sun	06:20	1.0	Mon	06:03	0.8
	12:46	4.4		12:27	4.6
	18:41	1.2		18:25	1.0
8	00:53	4.4	23	00:41	4.7
Mon	07:03	1.0	Tue	06:48	0.7
SP	13:25	4.4		13:36	4.8
	19:24	1.2		19:09	0.9
9	01:31	4.3	24	01:46	4.8
Tue	07:44	1.0	Wed	07:31	0.6
	14:08	4.4	SP	14:18	4.8
	20:05	1.3		19:53	0.8
10	02:14	4.3	25	02:30	4.8
Wed	08:22	1.2	Thu	08:14	0.6
	14:45	4.3		15:04	4.8
	20:43	1.5		20:36	0.9
11	02:49	4.2	26	03:18	4.7
Thu	08:57	1.3	Fri	08:57	0.7
	15:23	4.3		15:56	4.7
	21:17	1.6		21:22	1.1
12	03:26	4.1	27	04:10	4.6
Fri	09:31	1.5	Sat	09:43	1.0
	15:58	4.2		17:00	4.6
	21:53	1.8		22:10	1.3
13	04:07	4.0	28	04:38	4.3
Sat	10:09	1.7	Sun	10:34	1.3
	16:37	4.1		17:15	4.4
	22:34	1.9		23:08	1.6
14	04:46	3.8	29	05:34	4.1
Sun	10:55	1.9	Mon	11:35	1.6
	17:19	4.0		18:14	4.2
	23:26	2.0	30	00:18	1.8
15	05:36	3.7	Tue	06:42	4.0
Mon	11:52	2.0		12:48	1.9
NP	18:07	3.9		19:22	4.1
			31	01:39	1.9
			Wed	07:55	3.9
			NP	14:08	2.0
				20:29	4.1

August

Date	Time	HT	Date	Time	HT
1	02:54	1.8	16	02:03	2.1
Thu	09:05	3.9	Fri	07:54	3.6
	15:18	1.9		14:42	2.2
	21:33	4.1		20:47	3.9
2	03:52	1.6	17	03:19	1.8
Fri	11:12	4.2	Sat	09:59	4.1
	16:14	1.7		15:50	1.8
	22:30	4.2		22:12	4.3
3	04:41	1.4	18	04:17	1.4
Sat	11:57	4.4	Sun	10:47	4.4
	17:01	1.5		16:42	1.4
	23:14	4.3		22:58	4.5
4	05:25	1.1	19	05:05	1.0
Sun	12:36	4.5	Mon	11:29	4.6
	17:45	1.3		17:27	1.0
				23:42	4.7
5	00:31	4.5	20	05:49	0.6
Mon	06:07	0.9	Tue	12:12	4.8
	13:14	4.5		18:10	0.7
	18:27	1.1	21	00:25	4.9
6	00:36	4.4	Wed	06:31	0.4
Tue	06:46	0.9		13:14	5.0
SP	13:52	4.5		18:52	0.6
	19:06	1.1	22	01:25	5.0
7	01:11	4.3	Thu	07:12	0.3
Wed	07:24	0.9	SP	13:55	5.0
	14:25	4.5		19:33	0.5
	19:42	1.2	23	02:08	5.0
8	01:46	4.3	Fri	07:52	0.4
Thu	07:57	1.1		14:40	4.9
	14:54	4.5		20:14	0.7
	20:13	1.3	24	02:54	4.8
9	02:19	4.3	Sat	08:33	0.6
Fri	08:24	1.2		15:29	4.8
	15:21	4.5		20:55	0.9
	20:37	1.5	25	03:46	4.6
10	02:51	4.2	Sun	09:15	1.0
Sat	08:47	1.4		16:36	4.6
	15:15	4.3		21:40	1.3
	21:03	1.5	26	04:09	4.3
11	03:27	4.2	Mon	10:03	1.4
Sun	09:16	1.5		16:41	4.3
	15:50	4.3		22:36	1.7
	21:38	1.6	27	05:05	4.0
12	04:08	4.1	Tue	11:05	1.9
Mon	09:55	1.7		17:45	4.1
	16:33	4.1		23:53	2.0
	22:23	1.8	28	06:24	3.9
13	04:52	3.9	Wed	12:35	2.2
Tue	10:45	2.0		19:00	3.9
	17:19	4.0	29	01:33	2.1
	23:24	2.1	Thu	07:37	3.8
14	05:39	3.7	NP	14:05	2.2
Wed	11:56	2.2		20:08	3.9
NP	18:08	3.8	30	02:45	2.0
15	00:43	2.2	Fri	08:51	3.8
Thu	06:38	3.6		15:11	2.1
	13:21	2.3		21:14	4.0
	19:09	3.7	31	03:39	1.7
			Sat	09:56	4.0
				16:00	1.8
				23:20	4.2

September

Date	Time	HT	Date	Time	HT
1	04:23	1.4	16	04:01	1.3
Sun	10:47	4.3	Mon	10:29	4.6
	16:43	1.5		16:25	1.3
	23:38	4.4		22:40	4.6
2	05:04	1.1	17	04:45	0.8
Mon	12:22	4.5	Tue	11:10	4.8
	17:25	1.2		17:07	0.9
				23:19	4.8
3	00:08	4.5	18	05:27	0.5
Tue	05:43	0.9	Wed	11:47	5.0
	12:47	4.6		17:48	0.6
	18:04	1.1			
4	00:12	4.4	19	00:02	5.0
Wed	06:21	0.8	Thu	06:08	0.3
SP	12:39	4.5	SP	12:50	5.1
	18:41	1.0		18:28	0.4
5	00:45	4.4	20	01:02	5.1
Thu	06:57	0.9	Fri	06:47	0.3
	13:13	4.5		13:31	5.1
	19:14	1.1		19:08	0.5
6	01:21	4.4	21	01:45	5.0
Fri	07:27	1.1	Sat	07:27	0.4
	14:13	4.6		14:14	5.0
	19:39	1.3		19:48	0.6
7	02:15	4.5	22	02:31	4.9
Sat	07:47	1.2	Sun	08:06	0.7
	14:37	4.6		15:03	4.8
	19:56	1.3		20:28	0.9
8	02:44	4.5	23	03:23	4.7
Sun	08:07	1.3	Mon	08:48	1.1
	15:05	4.6		15:16	4.5
	20:23	1.4		21:12	1.4
9	03:18	4.4	24	03:40	4.3
Mon	08:37	1.4	Tue	09:37	1.6
	15:16	4.4		16:05	4.2
	20:57	1.5		22:08	1.8
10	03:34	4.3	25	04:40	4.0
Tue	09:15	1.6	Wed	10:44	2.1
	15:53	4.2		17:18	3.9
	21:39	1.7		23:37	2.2
11	04:17	4.0	26	06:08	3.9
Wed	10:00	1.9	Thu	12:25	2.4
	16:40	4.0		18:31	3.8
	22:31	2.0			
12	05:46	3.9	27	01:10	2.2
Thu	11:02	2.3	Fri	07:14	3.7
	17:29	3.8	NP	13:42	2.4
				20:20	3.8
13	00:05	2.3	28	02:16	2.1
Fri	06:04	3.6	Sat	08:23	3.8
NP	13:05	2.5		14:44	2.2
	18:32	3.6		20:40	3.8
14	01:59	2.2	29	03:10	1.8
Sat	07:32	3.6	Sun	09:25	4.0
	14:44	2.2		15:33	1.9
	20:31	3.9		21:41	4.0
15	03:11	1.8	30	03:54	1.5
Sun	09:37	4.2	Mon	10:16	4.2
	15:39	1.8		16:16	1.5
	21:50	4.3		22:25	4.2

October

Date	Time	HT	Date	Time	HT
1	04:35	1.2	16	04:18	0.9
Tue	10:59	4.4	Wed	10:43	4.9
	16:57	1.2		16:41	0.9
	23:43	4.4		22:53	4.9
2	05:14	1.0	17	05:00	0.6
Wed	11:34	4.5	Thu	11:21	5.0
	17:35	1.1		17:22	0.6
	23:44	4.5		23:57	5.1
3	05:51	1.0	18	05:41	0.4
Thu	12:09	4.6	Fri	12:24	5.2
SP	18:10	1.1	SP	18:03	0.5
4	00:18	4.5	19	00:39	5.1
Fri	06:25	1.0	Sat	06:21	0.5
	12:38	4.6		13:06	5.1
	18:41	1.1		18:42	0.5
5	00:48	4.5	20	01:23	5.0
Sat	06:52	1.2	Sun	07:01	0.6
	13:08	4.6		13:49	5.0
	19:02	1.2		19:23	0.7
6	01:45	4.6	21	02:10	4.8
Sun	07:11	1.3	Mon	07:42	0.9
	14:02	4.7		14:38	4.8
	19:23	1.3		20:05	1.0
7	02:14	4.6	22	03:09	4.6
Mon	07:35	1.3	Tue	08:26	1.3
	14:32	4.6		14:51	4.4
	19:51	1.3		20:50	1.4
8	02:49	4.6	23	03:21	4.3
Tue	08:08	1.4	Wed	09:17	1.8
	14:43	4.5		15:37	4.1
	20:27	1.4		21:48	1.8
9	03:06	4.4	24	04:23	4.0
Wed	08:46	1.6	Thu	10:28	2.2
	15:22	4.3		16:44	3.9
	21:08	1.7		23:10	2.1
10	03:51	4.1	25	05:39	3.9
Thu	09:31	2.0	Fri	11:53	2.4
	16:05	4.0		17:55	3.7
	21:59	2.0			
11	05:25	4.0	26	00:28	2.2
Fri	10:33	2.4	Sat	07:40	4.0
	16:57	3.8	NP	13:02	2.3
	23:47	2.3		19:46	3.8
12	05:44	3.7	27	00:31	2.1
Sat	13:05	2.5	Sun	06:42	3.9
NP	18:15	3.7		13:04	2.2
				19:00	3.7
13	01:44	2.1	28	01:28	1.9
Sun	07:22	3.8	Mon	07:43	4.0
	14:23	2.1		13:57	1.9
	20:07	4.0		19:58	3.9
14	02:45	1.7	29	02:16	1.7
Mon	09:04	4.3	Tue	08:35	4.2
	15:14	1.7		14:42	1.6
	21:19	4.3		20:53	4.1
15	03:34	1.3	30	03:00	1.5
Tue	09:59	4.7	Wed	09:19	4.4
	15:58	1.3		15:24	1.4
	22:13	4.7		22:16	4.4
			31	03:40	1.3
			Thu	10:42	4.6
				16:02	1.2
				22:12	4.4

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November

Date	Time	HT	Date	Time	HT
1	04:17	1.2	16	04:15	0.8
Fri	10:35	4.6	Sat	11:02	5.0
	16:36	1.2	SP	16:38	0.7
	22:48	4.5		23:21	4.9
2	04:50	1.2	17	04:57	0.8
Sat	11:07	4.6	Sun	11:45	5.0
SP	17:05	1.2		17:21	0.7
	23:24	4.5			
3	05:17	1.3	18	00:09	4.8
Sun	11:39	4.6	Mon	05:40	0.9
	17:30	1.2		12:31	4.9
				18:04	0.9
4	00:22	4.6	19	01:01	4.7
Mon	05:43	1.3	Tue	06:25	1.2
	12:36	4.7		13:20	4.7
	17:57	1.2		18:49	1.1
5	00:54	4.6	20	01:18	4.5
Tue	06:13	1.4	Wed	07:12	1.5
	12:43	4.6		13:31	4.4
	18:31	1.3		19:36	1.4
6	01:31	4.6	21	02:06	4.3
Wed	06:49	1.5	Thu	08:04	1.8
	13:22	4.5		14:18	4.1
	19:09	1.4		20:29	1.7
7	02:16	4.5	22	03:02	4.1
Thu	07:31	1.7	Fri	09:03	2.0
	14:03	4.3		15:14	3.9
	19:53	1.6		21:32	1.9
8	03:09	4.3	23	04:06	4.1
Fri	08:20	2.0	Sat	10:10	2.2
	14:50	4.1		16:17	3.8
	20:49	1.9		22:39	2.1
9	04:18	4.2	24	04:58	4.0
Sat	09:33	2.3	Sun	11:17	2.3
	15:47	3.9	NP	17:17	3.7
	22:27	2.1		23:42	2.1
10	04:40	4.0	25	05:58	4.0
Sun	11:23	2.3	Mon	12:20	2.2
NP	17:07	3.9		19:04	3.9
	23:59	2.0			
11	06:03	4.1	26	00:41	2.0
Mon	12:40	2.0	Tue	06:53	4.0
	18:29	4.0		13:16	2.1
				19:18	3.8
12	01:05	1.7	27	01:34	1.9
Tue	07:19	4.4	Wed	07:50	4.2
	13:38	1.7		14:05	1.8
	19:42	4.3		20:11	4.0
13	01:59	1.4	28	02:21	1.7
Wed	08:21	4.6	Thu	08:39	4.3
	14:27	1.3		14:47	1.6
	20:41	4.6		21:50	4.3
14	02:46	1.1	29	03:02	1.6
Thu	09:12	4.9	Fri	09:21	4.4
	15:12	1.0		15:25	1.5
	21:25	4.7		22:30	4.4
15	03:31	0.9	30	03:41	1.5
Fri	09:53	5.0	Sat	10:04	4.5
	15:56	0.8		16:01	1.4
	22:36	4.9		22:24	4.4

December

Date	Time	HT	Date	Time	HT
1	04:16	1.4	16	04:43	1.1
Sun	10:40	4.6	Mon	11:36	4.8
	16:34	1.3		17:09	0.9
	23:44	4.6			
2	04:51	1.4	17	00:09	4.7
Mon	11:15	4.6	Tue	05:29	1.1
	17:09	1.2	SP	12:21	4.7
				17:54	0.9
3	00:12	4.6	18	01:03	4.6
Tue	05:25	1.4	Wed	06:15	1.2
SP	11:51	4.6		13:05	4.6
	17:44	1.2		18:38	1.0
4	00:44	4.6	19	01:06	4.5
Wed	06:03	1.4	Thu	07:01	1.4
	12:31	4.6		13:50	4.5
	18:23	1.2		19:22	1.2
5	01:23	4.6	20	01:48	4.4
Thu	06:44	1.5	Fri	07:46	1.6
	13:11	4.5		13:58	4.2
	19:05	1.3		20:07	1.4
6	02:08	4.6	21	02:35	4.3
Fri	07:29	1.6	Sat	08:32	1.8
	13:53	4.4		14:44	4.1
	19:52	1.4		20:53	1.6
7	03:00	4.5	22	03:23	4.2
Sat	08:20	1.8	Sun	09:21	2.0
	14:47	4.3		15:34	3.9
	20:47	1.6		21:44	1.9
8	04:01	4.4	23	04:14	4.1
Sun	09:23	1.9	Mon	10:16	2.1
	15:44	4.1		16:26	3.8
	21:55	1.7		22:40	2.0
9	04:28	4.2	24	05:01	4.0
Mon	10:37	2.0	Tue	11:17	2.2
NP	16:47	4.1		17:20	3.7
	23:09	1.8		23:41	2.1
10	05:33	4.3	25	05:59	4.0
Tue	11:51	1.9	Wed	12:20	2.2
	17:56	4.1	NP	18:23	3.7
11	00:19	1.7	26	00:41	2.1
Wed	06:41	4.4	Thu	06:53	4.0
	12:58	1.7		13:18	2.1
	19:04	4.2		19:26	3.8
12	01:22	1.5	27	01:36	2.1
Thu	07:46	4.5	Fri	07:56	4.1
	13:57	1.5		14:06	1.9
	20:10	4.4		20:25	4.0
13	02:17	1.4	28	02:24	1.9
Fri	08:43	4.7	Sat	08:49	4.2
	14:48	1.2		14:50	1.7
	21:06	4.5		21:19	4.1
14	03:07	1.2	29	03:09	1.8
Sat	09:28	4.7	Sun	09:39	4.4
	15:36	1.1		15:33	1.5
	22:28	4.7		22:06	4.3
15	03:56	1.1	30	03:52	1.6
Sun	10:16	4.7	Mon	10:21	4.5
	16:23	0.9		16:15	1.3
	23:17	4.7		22:45	4.4
			31	04:35	1.4
			Tue	10:18	4.5
				16:57	1.1
				22:48	4.5

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