

HELL GATE



SANDY HOOK PILOTS

2019
TIDE BOOK

Hell Gate - January 2019

	Slack Water	Maximum Current		Slack Water	Maximum Current		Slack Water	Maximum Current
						21	00:12 -5.1E	03:42 06:42 3.9F
						Mon	09:48 12:42 -5.3E	16:18 19:12 3.8F
						○	22:18	
1	00:18	03:18 3.3F		11	01:00 03:48 -4.5E		22	01:06 -5.2E
	06:12	09:24 -4.6E			07:30 10:18 3.1F			04:36 07:36 4F
Tue	12:54	15:48 3.3F	Fri	13:24	16:12 -4.5E	Tue	10:42	13:36 -5.3E
	18:42	21:54 -4.5E		19:54	22:42 3F		17:12	20:06 3.9F
							23:06	
2	01:12	04:12 3.3F		12	01:48 04:36 -4.4E		23	02:00 -5.2E
	07:06	10:24 -4.7E			08:12 11:00 3F			05:30 08:24 4F
Wed	13:42	16:42 3.3F	Sat	14:12	17:00 -4.4E	Wed	11:36	14:30 -5.2E
	19:30	22:42 -4.5E		20:42	23:24 2.9F		18:06	20:54 3.8F
3	02:00	05:00 3.4F		13	02:30 05:24 -4.4E		24	02:54 -5.1E
	07:54	11:06 -4.7E			09:00 11:48 2.9F			06:24 09:18 3.9F
Thu	14:30	17:30 3.4F	Sun	15:00	17:48 -4.3E	Thu	12:30	15:24 -5.1E
	20:18	23:24 -4.6E		21:30			19:00	21:48 3.7F
4	02:42	05:42 3.5F		14	03:18 06:12 2.8F		25	03:48 -5E
	08:36	11:48 -4.8E			06:12 -4.4E			07:24 10:18 3.7F
Fri	15:18	18:12 3.4F	Mon	09:54	12:42 2.9F	Fri	13:24	16:18 -4.9E
	21:00		○	15:48	18:36 -4.3E		19:54	22:42 3.6F
				22:18				
5	03:30	06:24 3.5F		15	04:12 07:06 -4.4E		26	04:42 -4.8E
	09:18	12:24 -4.8E			07:06 -4.4E			08:18 11:12 3.5F
Sat	15:54	18:48 3.4F	Tue	10:54	13:36 2.9F	Sat	14:18	17:12 -4.7E
	21:42			16:48	19:36 -4.3E		20:48	23:42 3.4F
				23:12				
6	04:06	07:00 3.5F		16	05:12 08:00 -4.5E		27	05:42 -4.6E
	10:00	13:00 -4.8E			08:00 -4.5E			09:24 12:18 3.3F
Sun	16:36	19:24 3.4F	Wed	11:48	14:36 3F	Sun	15:18	18:12 -4.5E
●	22:24			17:42	20:30 -4.4E	○	21:48	
7	04:48	07:42 3.5F		17	06:06 09:00 -4.7E		28	06:48 -4.5E
	10:42	13:36 -4.8E			09:00 -4.7E			03:48 06:48 -4.5E
Mon	17:18	20:00 3.3F	Thu	12:48	15:36 3.2F	Mon	10:24	13:24 3.1F
	23:06			18:42	21:30 -4.6E		16:18	19:18 -4.3E
							22:48	
8	05:24	08:18 3.4F		18	07:06 10:00 -4.8E		29	07:54 -4.4E
	11:24	14:12 -4.8E			10:00 -4.8E			04:48 07:54 -4.4E
Tue	17:54	20:42 3.3F	Fri	13:42	16:30 3.4F	Tue	11:30	14:24 3.1F
	23:42			19:36	22:24 -4.7E		17:18	20:24 -4.2E
							23:48	
9	06:06	08:54 3.3F		19	08:00 10:54 -5E		30	09:00 -4.3E
	12:00	14:48 -4.7E			10:54 -5E			05:42 09:00 -4.3E
Wed	18:36	21:18 3.2F	Sat	14:36	17:24 3.6F	Wed	12:24	15:24 3.1F
				20:30	23:18 -4.9E		18:18	21:24 -4.2E
10	06:48	09:36 3.2F		20	08:54 11:48 -5.2E		31	10:00 -4.4E
	12:42	15:30 -4.6E			11:48 -5.2E			00:48 03:48 3.1F
Thu	19:12	21:54 3.1F	Sun	15:30	18:18 3.7F	Thu	13:18	16:18 3.1F
				21:24			19:06	22:18 -4.3E

Hell Gate - February 2019

	Slack Water	Maximum Current		Slack Water	Maximum Current		21	01:48	-5.3E
							Thu	05:12	08:12 4.1F
								11:24	14:12 -5.2E
								17:42	20:36 4F
								23:42	
1	01:36	04:42 3.2F		01:54	04:42 -4.6E	22		02:36	-5.2E
	07:30	10:48 -4.5E		08:12	11:06 3.1F		Fri	06:06	09:06 4F
Fri	14:06	17:06 3.2F	Mon	14:24	17:12 -4.4E			12:12	15:06 -5.1E
	19:54	23:06 -4.4E		20:36	23:30 3.1F			18:36	21:30 3.9F
2	02:18	05:24 3.3F		02:42	05:36 -4.5E	23		00:36	03:30 -5.1E
	08:18	11:30 -4.5E		09:06	12:00 3F		Sat	07:00	10:00 3.8F
Sat	14:48	17:48 3.3F	Tue	15:12	18:00 -4.3E			13:06	15:54 -4.9E
	20:42	23:42 -4.5E	e	21:30				19:24	22:24 3.7F
3	03:00	06:06 3.4F		03:36	06:30 3F	24		01:30	04:18 -4.9E
	09:00	12:06 -4.6E		10:06	13:00 3F		Sun	07:54	10:48 3.6F
Sun	15:30	18:24 3.3F	Wed	16:12	19:00 -4.3E			14:00	16:48 -4.6E
	21:18			22:30				20:18	23:18 3.4F
4		00:18 -4.6E		04:36	07:30 -4.5E	25		02:24	05:12 -4.6E
	03:42	06:42 3.5F		11:12	14:00 3F		Mon	08:54	11:48 3.3F
Mon	09:42	12:36 -4.7E	Thu	17:12	20:00 -4.3E			14:54	17:42 -4.4E
●	16:12	19:00 3.4F		23:30				21:18	
5		00:48 -4.7E		05:42	08:36 -4.5E	26		00:12	3.2F
	04:18	07:18 3.5F		12:18	15:06 3.2F		Tue	03:18	06:12 -4.3E
Tue	10:18	13:12 -4.8E	Fri	18:18	21:00 -4.5E			09:54	12:48 3.1F
	16:48	19:36 3.4F						15:54	18:42 -4.1E
	22:36							22:18	
6		01:24 -4.7E		00:36	03:36 3.4F	27		01:18	3F
	05:00	07:48 3.5F		06:48	09:36 -4.7E		Wed	04:18	07:18 -4.1E
Wed	11:00	13:48 -4.8E	Sat	13:18	16:12 3.4F			10:54	13:54 3F
	17:24	20:12 3.4F		19:18	22:06 -4.7E			16:54	19:48 -4E
	23:18							23:18	
7		02:00 -4.7E		01:36	04:36 3.6F	28		02:24	3F
	05:36	08:24 3.5F		07:48	10:36 -4.9E		Thu	05:18	08:24 -4.1E
Thu	11:36	14:24 -4.8E	Sun	14:18	17:12 3.6F			11:54	15:00 2.9F
	18:00	20:48 3.4F		20:18	23:06 -4.9E			17:48	20:54 -3.9E
	23:54								
8		02:36 -4.7E		02:36	05:36 3.8F				
	06:12	09:06 3.4F		08:42	11:36 -5.1E				
Fri	12:12	15:00 -4.7E	Mon	15:12	18:06 3.8F				
	18:36	21:24 3.3F		21:12					
9	00:30	03:18 -4.7E		03:30	00:00 -5.1E				
	06:48	09:42 3.4F		09:36	06:30 4F				
Sat	12:54	15:42 -4.6E	Tue	16:00	12:30 -5.2E				
	19:12	22:00 3.2F	○	22:00	18:54 4F				
10	01:12	04:00 -4.6E		04:24	00:54 -5.2E				
	07:30	10:24 3.2F		10:30	07:24 4.1F				
Sun	13:36	16:24 -4.5E	Wed	16:54	13:24 -5.3E				
	19:54	22:42 3.1F		22:54	19:48 4F				

Hell Gate - March 2019

	Slack Water	Maximum Current		Slack Water	Maximum Current		21	01:42	-5.2E		
							05:06	08:06	4.2F		
							Thu ○	11:12	14:06	-5.2E	
								17:30	20:30	4.1F	
								23:36			
1	00:12	03:24	3F	11	01:42	04:30	-4.8E	22	02:30	-5.3E	
	06:12	09:30	-4.1E		07:54	10:54	3.4F		05:54	08:54	4.2F
Fri	12:48	15:54	3F	Mon	14:06	16:54	-4.6E	Fri	12:06	14:54	-5.2E
	18:42	21:54	-4E		20:12	23:12	3.3F		18:18	21:18	4.1F
2	01:06	04:12	3.1F	12	02:24	05:18	-4.7E	23	00:24	03:18	-5.2E
	07:06	10:18	-4.2E		08:36	11:36	3.3F		06:48	09:42	4F
Sat	13:36	16:42	3.1F	Tue	14:54	17:42	-4.5E	Sat	12:54	15:42	-5E
	19:30	22:36	-4.2E		20:54				19:06	22:06	3.9F
3	01:54	05:00	3.2F	13		00:00	3.2F	24	01:12	04:06	-5.1E
	07:54	11:00	-4.3E		03:12	06:06	-4.6E		07:36	10:36	3.8F
Sun	14:18	17:18	3.2F	Wed	09:30	12:30	3.2F	Sun	13:42	16:30	-4.8E
	20:12	23:12	-4.3E		15:48	18:30	-4.3E		19:54	22:54	3.7F
					21:48						
4	02:36	05:36	3.4F	14		00:54	3.2F	25	02:06	04:54	-4.8E
	08:36	11:36	-4.5E		04:12	07:00	-4.5E		08:30	11:24	3.6F
Mon	15:00	18:00	3.3F	Thu	10:36	13:30	3.1F	Mon	14:36	17:18	-4.5E
	20:54	23:48	-4.5E	o	16:48	19:30	-4.3E		20:48	23:48	3.4F
					22:54						
5	03:12	06:12	3.5F	15		02:00	3.1F	26	02:54	05:42	-4.5E
	09:18	12:06	-4.6E		05:12	08:00	-4.4E		09:18	12:18	3.3F
Tue	15:36	18:30	3.5F	Fri	11:42	14:36	3.1F	Tue	15:30	18:06	-4.2E
	21:36				17:54	20:36	-4.3E		21:42		
6		00:24	-4.6E	16	00:06	03:06	3.2F	27		00:42	3.2F
	03:48	06:48	3.6F		06:24	09:12	-4.5E		03:48	06:36	-4.2E
Wed	09:54	12:42	-4.7E	Sat	12:54	15:48	3.2F	Wed	10:18	13:18	3F
●	16:12	19:06	3.5F		19:00	21:42	-4.4E		16:24	19:06	-4E
	22:12								22:42		
7		00:54	-4.7E	17	01:12	04:18	3.4F	28		01:42	3F
	04:24	07:24	3.7F		07:30	10:18	-4.6E		04:48	07:36	-4E
Thu	10:36	13:18	-4.8E	Sun	13:54	16:54	3.4F	Thu	11:18	14:18	2.9F
	16:48	19:42	3.6F		20:00	22:48	-4.6E	o	17:18	20:06	-3.8E
	22:48								23:42		
8		01:30	-4.8E	18	02:18	05:18	3.6F	29		02:48	2.9F
	05:00	08:00	3.7F		08:30	11:24	-4.8E		05:48	08:42	-3.9E
Fri	11:12	13:54	-4.8E	Mon	14:54	17:54	3.7F	Fri	12:18	15:18	2.8F
	17:24	20:12	3.6F		21:00	23:48	-4.9E		18:18	21:12	-3.8E
	23:24										
9		02:12	-4.8E	19	03:18	06:18	3.9F	30	00:36	03:48	2.9F
	05:36	08:36	3.6F		09:30	12:24	-5E		06:42	09:48	-3.9E
Sat	11:48	14:30	-4.8E	Tue	15:48	18:48	3.9F	Sat	13:12	16:18	2.9F
	17:54	20:54	3.5F		21:54				19:12	22:12	-3.9E
10	00:00	03:48	-4.8E	20		00:48	-5.1E	31	01:30	04:42	3F
	07:12	10:12	3.6F		04:12	07:12	4.1F		07:36	10:42	-4E
Sun	13:24	16:12	-4.7E	Wed	10:24	13:18	-5.1E	Sun	14:00	17:06	3F
	19:30	22:30	3.4F		16:42	19:42	4F		20:00	23:00	-4E
					22:48						

Hell Gate - May 2019

	Slack Water	Maximum Current		Slack Water	Maximum Current		21	00:24	03:18	-4.9E
							Tue	06:48	09:42	3.6F
								12:48	15:36	-4.7E
								19:06	22:00	3.5F
1	02:24	05:24	3.2F	11	00:18	3.3F	22	01:06	04:00	-4.7E
Wed	08:30	11:18	-4.3E	Sat	03:36	06:24	Wed	07:36	10:30	3.4F
	14:48	17:42	3.3F		10:06	13:00		13:36	16:18	-4.5E
	20:48	23:36	-4.5E		16:12	18:54		19:54	22:48	3.3F
					22:30					
2	03:06	06:06	3.4F	12	01:24	3.2F	23	01:54	04:42	-4.5E
Thu	09:12	11:54	-4.5E	Sun	04:42	07:30	Thu	08:24	11:18	3.2F
	15:30	18:24	3.4F	e	11:12	14:06		14:24	17:00	-4.3E
	21:30				17:18	20:00		20:42	23:36	3.1F
					23:42					
3		00:12	-4.7E	13	02:36	3.3F	24	02:42	05:24	-4.3E
Fri	03:48	06:42	3.5F	Mon	05:48	08:36	Fri	09:12	12:06	3F
	09:54	12:36	-4.7E		12:18	15:12		15:12	17:48	-4.1E
	16:06	19:00	3.5F		18:24	21:12		21:30		
	22:06									
4		00:54	-4.8E	14	00:48	03:48	25		00:24	2.9F
Sat	04:30	07:18	3.6F	Tue	06:54	09:48	Sat	03:30	06:12	-4.2E
●	10:30	13:12	-4.8E		13:18	16:18		10:06	12:54	2.8F
	16:42	19:36	3.6F		19:24	22:18		16:00	18:36	-4E
	22:48							22:24		
5		01:36	-5E	15	01:48	04:54	26		01:18	2.8F
Sun	05:06	08:00	3.7F	Wed	07:54	10:48	Sun	04:24	07:06	-4.1E
	11:12	13:54	-4.8E		14:18	17:18		10:54	13:48	2.8F
	17:18	20:12	3.7F		20:18	23:18		16:54	19:30	-4E
	23:24							23:18		
6		02:18	-5E	16	02:48	05:48	27		02:12	2.8F
Mon	05:48	08:42	3.7F	Thu	08:48	11:48	Mon	05:18	08:00	-4E
	11:54	14:36	-4.8E		15:12	18:12		11:48	14:36	2.8F
	18:00	20:54	3.7F		21:12			17:42	20:24	-4E
7	00:06	03:00	-5E	17		00:12	28	00:12	03:06	2.8F
Tue	06:30	09:24	3.6F	Fri	03:42	06:42	Tue	06:06	08:54	-4.1E
	12:36	15:18	-4.8E		09:42	12:36		12:36	15:30	2.8F
	18:42	21:42	3.6F		16:00	19:00		18:30	21:18	-4.1E
					22:00					
8	00:54	03:42	-5E	18		01:00	29	01:00	03:54	2.9F
Wed	07:12	10:12	3.5F	Sat	04:30	07:30	Wed	07:00	09:42	-4.2E
	13:24	16:06	-4.7E	○	10:30	13:24		13:24	16:18	3F
	19:24	22:30	3.5F		16:48	19:48		19:18	22:06	-4.3E
					22:48					
9	01:42	04:30	-4.9E	19		01:48	30	01:48	04:42	3.1F
Thu	08:06	11:00	3.4F	Sun	05:18	08:18	Thu	07:48	10:30	-4.3E
	14:12	17:00	-4.6E		11:18	14:12		14:06	17:00	3.2F
	20:18	23:18	3.4F		17:36	20:30		20:06	22:54	-4.5E
					23:36					
10	02:36	05:24	-4.7E	20		02:36	31	02:36	05:24	3.3F
Fri	09:00	11:54	3.3F	Mon	06:06	09:00	Fri	08:30	11:18	-4.5E
	15:12	17:54	-4.5E		12:06	14:54		14:48	17:42	3.3F
	21:18				18:18	21:18		20:48	23:36	-4.7E

Hell Gate - June 2019

	Slack Water	Maximum Current		Slack Water	Maximum Current		Slack Water	Maximum Current					
						21	01:24 07:54 13:48 20:06	04:12 10:42 16:30 23:00	-4.6E -3.2F -4.4E 3.2F				
1	03:18 09:18 15:30 21:30	06:06 12:00 18:24	3.4F -4.6E 3.5F	11	05:30 12:00 18:00	Tue	02:24 08:24 15:00 20:54	3.3F -4.5E 3.3F -4.6E	22	02:06 08:36 14:30 20:54	04:54 11:24 17:12 23:42	-4.5E -3.1F -4.3E 3F	
2		00:24 04:00 10:00 16:12 22:18	-4.9E 3.5F -4.8E 3.6F	12	00:36 06:36 13:00 19:00	Wed	03:30 09:30 16:00 22:00	3.4F -4.5E 3.4F -4.7E	23	02:54 09:24 15:18 21:42	05:36 12:12 18:00	-4.3E -2.9F -4.2E	
3		01:06 04:42 10:42 16:54 23:00	-5E 3.6F -4.8E 3.7F	13	01:36 07:36 14:00 20:00	Thu	04:36 10:30 17:00 23:00	3.5F -4.6E 3.5F -4.8E	24		00:30 06:24 12:54 18:48 22:30	2.9F -4.2E 2.8F -4.2E	
4		01:54 05:30 11:30 17:36 23:48	-5.1E 3.6F -4.9E 3.7F	14	02:30 08:30 14:48 20:48	Fri	05:30 11:30 17:54 23:54	3.5F -4.7E 3.6F -4.9E	25		01:18 07:12 13:48 19:36 23:24	2.9F -4.2E 2.8F -4.2E	
5		02:36 06:12 12:12 18:24	-5.1E 3.6F -4.9E 3.7F	15	03:24 09:18 15:42 21:42	Sat	06:24 12:18 18:42	3.6F -4.7E 3.7F	26		02:12 08:00 14:36 20:30	2.9F -4.2E 2.9F -4.2E	
6		00:36 07:06 13:06 19:18	03:30 09:54 15:48 22:12	-5.1E 3.6F -4.8E 3.6F	16		00:42 04:12 10:06 16:24 22:24	-4.9E 3.6F -4.8E 3.7F	27		00:12 06:12 12:36 18:36	03:00 08:54 15:24 21:18	2.9F -4.2E 3F -4.3E
7		01:24 07:54 14:00 20:12	04:18 10:48 16:42 23:12	-5E 3.5F -4.7E 3.5F	17		01:30 05:00 10:54 17:12 23:12	-5E 3.6F -4.8E 3.7F	28		01:06 07:06 13:24 19:24	03:54 09:42 16:18 22:12	3F -4.3E 3.1F -4.5E
8		02:24 08:54 14:54 21:18	05:12 11:42 17:42	-4.8E 3.4F -4.6E	18		02:12 05:42 11:36 17:54 23:54	-4.9E 3.6F -4.7E 3.6F	29		01:54 07:54 14:12 20:12	04:42 10:36 17:06 23:06	3.2F -4.4E 3.3F -4.7E
9		03:24 09:54 15:54 22:24	00:12 06:12 12:48 18:42	3.4F -4.7E 3.3F -4.6E	19		02:48 06:30 12:24 18:42	-4.8E 3.5F -4.6E 3.5F	30		02:42 08:42 15:00 21:00	05:36 11:24 17:54 23:54	3.3F -4.6E 3.5F -4.9E
10		04:24 11:00 17:00 23:30	01:18 07:12 13:54 19:48	3.3F -4.6E 3.3F -4.5E	20		00:42 07:12 13:06 19:24	-4.7E 3.3F -4.5E 3.3F					

Hell Gate - July 2019

	Slack Water	Maximum Current		Slack Water	Maximum Current		21	01:36 08:00 13:54 20:12	04:18 10:48 16:36 23:06	-4.5E 3.2F -4.4E 3.3F	
1 Mon	03:30 09:30 15:42 21:48	06:24 12:18 18:42	3.5F -4.7E 3.6F	11 Thu	00:12 06:12 12:36 18:42	03:12 09:06 15:42 21:42	3.3F -4.4E 3.4F -4.5E	22 Mon	02:18 08:36 14:42 20:54	05:00 11:30 17:18 23:48	-4.5E 3.1F -4.4E 3.1F
2 Tue ●	04:18 10:18 16:30 22:42	00:42 07:12 13:06 19:30	-5E 3.6F -4.9E 3.7F	12 Fri	01:18 07:12 13:36 19:36	04:18 10:12 16:42 22:48	3.3F -4.4E 3.4F -4.6E	23 Tue	03:00 09:18 15:24 21:42	05:42 12:12 18:06	-4.3E 3F -4.3E
3 Wed	05:06 11:06 17:24 23:30	01:30 08:00 13:54 20:18	-5.1E 3.7F -4.9E 3.8F	13 Sat	02:12 08:06 14:30 20:30	05:12 11:12 17:36 23:42	3.4F -4.5E 3.5F -4.7E	24 Wed	03:48 10:06 16:12 22:30	00:36 06:30 13:00 18:54	3F -4.3E 3F -4.3E
4 Thu	06:00 12:00 18:12	02:24 08:48 14:42 21:12	-5.1E 3.7F -5E 3.8F	14 Sun	03:06 09:00 15:18 21:18	06:06 12:00 18:24	3.4F -4.5E 3.5F	25 Thu ◐	04:36 10:54 17:00 23:24	01:24 07:18 13:48 19:48	3F -4.2E 2.9F -4.3E
5 Fri	00:24 06:48 12:48 19:06	03:12 09:42 15:36 22:00	-5.1E 3.7F -5E 3.8F	15 Mon	00:30 03:54 09:48 16:06 22:06	00:30 06:48 12:48 19:06	-4.7E 3.5F -4.6E 3.6F	26 Fri	05:30 11:42 17:54	02:18 08:12 14:42 20:42	3F -4.2E 3F -4.3E
6 Sat	01:18 07:42 13:42 20:00	04:06 10:36 16:30 23:00	-5E 3.6F -4.9E 3.7F	16 Tue ○	04:36 10:30 16:48 22:54	01:12 07:36 13:24 19:48	-4.7E 3.5F -4.6E 3.6F	27 Sat	00:18 06:24 12:36 18:48	03:12 09:06 15:36 21:36	3F -4.2E 3.1F -4.4E
7 Sun	02:12 08:36 14:42 21:00	05:00 11:30 17:30	-4.9E 3.5F -4.8E	17 Wed	05:18 11:12 17:30 23:36	01:48 08:12 14:06 20:30	-4.7E 3.5F -4.6E 3.6F	28 Sun	01:18 07:24 13:30 19:48	04:06 10:00 16:30 22:30	3.1F -4.3E 3.3F -4.6E
8 Mon	03:12 09:36 15:42 22:06	00:00 06:00 12:30 18:24	3.5F -4.8E 3.4F -4.7E	18 Thu	06:00 11:54 18:12	02:24 08:54 14:42 21:06	-4.7E 3.5F -4.6E 3.5F	29 Mon	02:12 08:18 14:24 20:42	05:06 11:00 17:24 23:30	3.3F -4.5E 3.5F -4.8E
9 Tue ◐	04:12 10:36 16:42 23:12	01:00 07:00 13:36 19:30	3.4F -4.6E 3.4F -4.6E	19 Fri	00:12 06:36 12:36 18:48	03:06 09:30 15:18 21:48	-4.7E 3.4F -4.6E 3.5F	30 Tue	03:06 09:12 15:18 21:36	06:00 11:54 18:18	3.5F -4.7E 3.7F
10 Wed	05:12 11:36 17:42	02:06 08:00 14:36 20:36	3.3F -4.5E 3.3F -4.5E	20 Sat	00:54 07:18 13:18 19:30	03:42 10:06 16:00 22:24	-4.6E 3.3F -4.5E 3.4F	31 Wed	03:54 10:00 16:12 22:24	00:24 06:48 12:42 19:12	-4.9E 3.7F -4.9E 3.9F

Hell Gate - August 2019

	Slack Water	Maximum Current		Slack Water	Maximum Current		Slack Water	Maximum Current	
						21	02:30 08:30	05:06 11:30	-4.4E 3.2F
						Wed	14:42 20:48	17:30 23:54	-4.4E 3.2F
1	04:48 10:54 17:06 23:18	01:18 07:42 13:36 20:06	-5.1E 3.8F -5E 4F	11	01:48 07:48 14:06 20:12	Sun	04:54 10:54 17:18 23:24	3.3F -4.2E 3.4F -4.4E	
2	05:36 11:42 17:54	02:06 08:36 14:30 21:00	-5.2E 3.9F -5.1E 4F	12	02:42 08:42 14:54 21:06	Mon	05:48 11:48 18:06 21:06	3.3F -4.3E 3.5F	
22						Thu	03:12 09:12 15:30 21:36	05:54 12:12 18:12	-4.3E 3.1F -4.3E
3	00:12 06:30 12:36 18:48	03:00 09:24 15:24 21:48	-5.1E 3.9F -5.1E 4F	13	03:24 09:30 15:42 21:48	Tue	00:12 06:30 12:30 18:48	-4.4E 3.4F -4.4E 3.5F	
23						Fri	04:00 10:00 16:24 22:36	00:42 06:42 13:06 19:06	3.1F -4.2E 3.1F -4.3E
4	01:06 07:24 13:30 19:48	03:54 10:18 16:18 22:48	-5.1E 3.9F -5E 3.9F	14	04:06 10:12 16:24 22:30	Wed	00:54 07:12 13:06 19:24	-4.5E 3.5F -4.5E 3.6F	
24						Sat	05:00 10:54 17:18 23:36	01:36 07:36 14:00 20:06	3.1F -4.1E 3.1F -4.3E
5	02:00 08:18 14:24 20:42	04:42 11:12 17:12 23:42	-4.9E 3.7F -4.9E 3.7F	15	04:48 10:48 17:00 23:12	Thu	01:24 07:48 13:36 20:06	-4.6E 3.5F -4.5E 3.6F	
25						Sun	05:54 11:54 18:24	02:36 08:30 15:00 21:06	3.1F -4.1E 3.2F -4.3E
6	02:54 09:12 15:24 21:42	05:42 12:12 18:06	-4.7E 3.6F -4.7E	16	05:24 11:30 17:36 23:48	Fri	02:00 08:24 14:12 20:42	-4.6E 3.5F -4.6E 3.6F	
26						Mon	00:42 06:54 13:00 19:24	03:36 09:30 16:06 22:06	3.2F -4.2E 3.3F -4.5E
7	03:54 10:12 16:18 22:48	00:42 06:36 13:12 19:06	3.5F -4.5E 3.4F -4.5E	17	06:06 12:06 18:18	Sat	02:36 09:00 14:48 21:12	-4.7E 3.5F -4.6E 3.6F	
27						Tue	01:42 07:54 14:00 20:24	04:36 10:36 17:06 23:06	3.4F -4.4E 3.6F -4.7E
8	04:54 11:12 17:24 23:48	01:48 07:42 14:18 20:18	3.4F -4.3E 3.3F -4.4E	18	00:30 06:42 12:48 18:54	Sun	03:06 09:36 15:24 21:54	-4.6E 3.5F -4.6E 3.6F	
28						Wed	02:42 08:54 15:00 21:18	05:36 11:30 18:00	3.6F -4.7E 3.8F
9	05:54 12:12 18:24	02:54 08:48 15:18 21:30	3.3F -4.2E 3.3F -4.3E	19	01:06 07:18 13:24 19:30	Mon	03:48 10:12 16:06 22:30	-4.6E 3.4F -4.6E 3.5F	
29						Thu	03:36 09:48 15:54 22:12	00:06 06:36 12:30 19:00	-4.9E 3.8F -4.9E 4F
10	00:48 06:54 13:12 19:18	04:00 09:54 16:24 22:30	3.2F -4.1E 3.3F -4.3E	20	01:48 07:54 14:00 20:06	Tue	04:24 10:48 16:42 23:12	-4.5E 3.3F -4.5E 3.4F	
30						Fri	04:24 10:36 16:48 23:06	01:00 07:24 13:24 19:48	-5E 4F -5.1E 4.1F
31						Sat	05:18 11:30 17:42	01:54 08:18 14:12 20:42	-5.1E 4.1F -5.2E 4.2F

Hell Gate - September 2019

	Slack Water	Maximum Current		Slack Water	Maximum Current		Slack Water	Maximum Current
						21	00:06 3.2F	00:06 3.2F
						Sat	03:30 06:06 -4.2E	09:18 12:30 3.2F
							15:48 18:36 -4.3E	22:00
1	00:00 02:42 -5.1E	06:06 09:06 4.1F		11	03:00 06:06 3.4F		22	01:06 3.1F
Sun	12:18 15:06 -5.2E	18:30 21:36 4.1F	Wed	09:06 12:06 -4.2E	15:12 18:24 3.5F	Sun	04:24 07:06 -4.1E	10:18 13:30 3.1F
				21:24		☉	16:54 19:36 -4.2E	23:06
2	00:48 03:36 -5.1E	07:00 10:00 4F		12	03:36 06:42 3.5F		23	02:06 3.1F
Mon	13:12 16:00 -5.1E	19:24 22:24 4F	Thu	09:48 12:36 -4.4E	15:54 19:00 3.6F	Mon	05:30 08:06 -4.1E	11:24 14:36 3.2F
				22:06			18:00 20:36 -4.3E	
3	01:42 04:24 -4.9E	07:48 10:48 3.9F		13	01:00 -4.5E		24	03:12 3.2F
Tue	14:06 16:48 -4.9E	20:18 23:24 3.8F	Fri	04:18 07:18 3.6F	10:24 13:12 -4.5E	Tue	06:36 09:06 -4.2E	12:36 15:42 3.4F
				16:30 19:36 3.7F	22:48		19:06 21:42 -4.4E	
4	02:36 05:18 -4.6E	08:42 11:48 3.7F		14	01:30 -4.6E		25	04:18 3.4F
Wed	15:00 17:42 -4.6E	21:18	Sat	04:54 07:54 3.6F	11:00 13:42 -4.6E	Wed	07:36 10:12 -4.4E	13:42 16:48 3.6F
			☉	17:06 20:12 3.7F	23:24		20:06 22:48 -4.6E	
5	00:18 3.6F	03:36 06:12 -4.4E		15	02:00 -4.6E		26	05:18 3.7F
Thu	09:42 12:48 3.5F	16:00 18:48 -4.4E	Sun	05:30 08:24 3.7F	11:36 14:18 -4.7E	Thu	08:30 11:18 -4.7E	14:42 17:48 3.9F
				17:42 20:42 3.7F			21:00 23:48 -4.9E	
6	01:24 3.3F	04:36 07:12 -4.1E		16	00:00 02:36 -4.7E		27	06:18 3.9F
Fri	10:42 13:48 3.3F	17:00 19:48 -4.2E	Mon	06:00 09:00 3.6F	12:12 14:54 -4.7E	Fri	09:24 12:12 -5E	15:36 18:42 4.1F
☉	23:24			18:18 21:18 3.7F			21:54	
7	02:30 3.2F	05:36 08:24 -3.9E		17	00:36 03:12 -4.6E		28	00:42 -5E
Sat	11:42 14:54 3.2F	18:00 21:06 -4E	Tue	06:36 09:36 3.6F	12:48 15:30 -4.7E	Sat	04:06 07:06 4.1F	10:18 13:06 -5.2E
				18:54 21:54 3.6F		☉	16:30 19:36 4.2F	22:48
8	00:24 03:36 3.1F	06:36 09:36 -3.9E		18	01:18 03:54 -4.6E		29	01:36 -5.1E
Sun	12:42 16:00 3.2F	19:00 22:12 -4E	Wed	07:12 10:12 3.5F	13:30 16:12 -4.6E	Sun	04:54 08:00 4.2F	11:06 14:00 -5.2E
				19:30 22:36 3.5F			17:24 20:24 4.2F	23:36
9	01:18 04:36 3.2F	07:30 10:36 -4E		19	01:54 04:36 -4.4E		30	02:24 -5.1E
Mon	13:42 16:54 3.3F	19:54 23:06 -4.1E	Thu	07:48 10:54 3.4F	14:12 16:54 -4.5E	Mon	05:48 08:48 4.2F	12:00 14:48 -5.2E
				20:12 23:18 3.4F			18:12 21:18 4.2F	
10	02:12 05:24 3.3F	08:18 11:24 -4.1E		20	02:42 05:18 -4.3E			
Tue	14:30 17:42 3.4F	20:42 23:48 -4.2E	Fri	08:30 11:36 3.3F	14:54 17:42 -4.4E			
				21:00				

Hell Gate - October 2019

	Slack Water	Maximum Current		Slack Water	Maximum Current		Slack Water	Maximum Current			
						21	04:00	00:42	3.1F		
						Mon	10:00	06:36	-4.2E		
						●	16:30	13:06	3.2F		
							22:48	19:12	-4.3E		
1	00:30	03:12	-5E	11	03:06	06:12	3.4F	22	01:42	3.1F	
	06:36	09:36	4.1F		09:12	12:06	-4.4E		07:42	-4.2E	
Tue	12:48	15:36	-5.1E	Fri	15:24	18:30	3.5F	Tue	11:12	14:18	3.2F
	19:06	22:06	4F		21:36				17:36	20:18	-4.3E
									23:54		
2	01:18	04:00	-4.8E	12	03:42	00:24	-4.5E	23	02:54	3.2F	
	07:24	10:30	3.9F		09:54	06:48	3.5F		08:48	-4.3E	
Wed	13:42	16:30	-4.9E	Sat	16:00	12:36	-4.6E	Wed	12:24	15:24	3.4F
	20:00	23:00	3.8F		22:12	19:06	3.6F		18:42	21:24	-4.5E
3	02:12	04:54	-4.6E	13	04:18	00:54	-4.6E	24	01:00	04:00	3.4F
	08:18	11:18	3.6F		10:30	07:18	3.6F		07:12	09:54	-4.5E
Thu	14:36	17:18	-4.6E	Sun	16:36	13:12	-4.7E	Thu	13:30	16:30	3.6F
	20:54	23:54	3.5F	○	22:54	19:36	3.7F		19:42	22:30	-4.7E
4	03:06	05:48	-4.3E	14	04:54	01:30	-4.7E	25	02:00	05:00	3.7F
	09:12	12:18	3.4F		11:06	07:54	3.7F		08:12	11:00	-4.8E
Fri	15:30	18:18	-4.3E	Mon	17:12	13:48	-4.8E	Fri	14:30	17:30	3.8F
	21:54				23:30	20:12	3.7F		20:42	23:30	-4.9E
5		00:54	3.2F	15	05:30	02:06	-4.7E	26	02:54	06:00	3.9F
	04:06	06:42	-4E		11:42	08:30	3.7F		09:06	12:00	-5E
Sat	10:12	13:24	3.2F	Tue	17:48	14:24	-4.8E	Sat	15:24	18:24	4F
●	16:30	19:18	-4E			20:48	3.7F		21:36		
	22:54										
6		02:00	3.1F	16	00:06	02:42	-4.7E	27		00:24	-5E
	05:06	07:54	-3.8E		06:06	09:06	3.6F		03:48	06:48	4.1F
Sun	11:18	14:30	3F	Wed	12:18	15:00	-4.8E	Sun	09:54	12:48	-5.2E
	17:30	20:30	-3.9E		18:24	21:24	3.6F		16:18	19:18	4.1F
	23:54								22:24		
7		03:06	3F	17	00:42	03:24	-4.6E	28		01:18	-5.1E
	06:06	09:12	-3.8E		06:36	09:42	3.6F		04:36	07:36	4.1F
Mon	12:18	15:30	3F	Thu	12:54	15:42	-4.8E	Mon	10:48	13:42	-5.3E
	18:30	21:42	-3.9E		19:06	22:06	3.5F	●	17:06	20:06	4.1F
									23:18		
8	00:48	04:00	3F	18	01:24	04:06	-4.5E	29		02:06	-5.1E
	07:00	10:06	-3.9E		07:18	10:24	3.5F		05:24	08:24	4.1F
Tue	13:12	16:30	3.1F	Fri	13:36	16:30	-4.7E	Tue	11:36	14:30	-5.2E
	19:24	22:36	-4E		19:48	22:54	3.4F		18:00	20:54	4F
9	01:42	04:54	3.1F	19	02:12	04:48	-4.4E	30	00:06	02:54	-5E
	07:48	10:54	-4E		08:00	11:12	3.3F		06:12	09:12	4F
Wed	14:00	17:12	3.3F	Sat	14:24	17:18	-4.5E	Wed	12:24	15:18	-5.1E
	20:12	23:12	-4.1E		20:42	23:42	3.2F		18:48	21:42	3.9F
10	02:24	05:36	3.3F	20	03:00	05:42	-4.3E	31	00:54	03:36	-4.8E
	08:30	11:30	-4.2E		08:54	12:06	3.2F		07:06	10:06	3.8F
Thu	14:42	17:54	3.4F	Sun	15:24	18:12	-4.4E	Thu	13:12	16:06	-4.9E
	20:54	23:48	-4.3E		21:36				19:36	22:36	3.6F

Hell Gate - November 2019

	Slack Water	Maximum Current		Slack Water	Maximum Current		Slack Water	Maximum Current
						21	01:36 3.2F	
						Thu	04:48 07:30 -4.5E	
							11:12 14:06 3.3F	
							17:18 20:06 -4.5E	
							23:48	
1	01:42 04:24 -4.6E		11	02:48 05:42 3.5F		22	02:42 3.4F	
Fri	07:54 10:54 3.5F		Mon	08:54 11:36 -4.8E		Fri	05:48 08:42 -4.7E	
	14:06 16:54 -4.6E			15:12 18:06 3.6F			12:18 15:18 3.5F	
	20:30 23:30 3.4F			21:18			18:18 21:12 -4.7E	
2	02:36 05:18 -4.3E		12	03:24 06:18 3.6F		23	00:42 03:42 3.6F	
Sat	08:48 11:48 3.3F		Tue	09:30 12:18 -4.9E		Sat	06:48 09:42 -4.9E	
	15:00 17:42 -4.3E		○	15:48 18:42 3.6F			13:18 16:18 3.7F	
	21:24			21:54			19:18 22:12 -4.8E	
3	00:24 3.1F		13	00:36 -4.8E		24	01:42 04:36 3.8F	
Sun	02:30 05:12 -4.1E		Wed	04:00 06:54 3.6F		Sun	07:42 10:42 -5E	
	08:48 11:48 3F			10:06 12:54 -5E			14:12 17:12 3.8F	
	14:54 17:42 -4.1E			16:30 19:24 3.6F			20:12 23:06 -5E	
	21:24			22:36				
4	00:24 2.9F		14	01:18 -4.8E		25	02:30 05:30 3.9F	
Mon	03:30 06:06 -3.9E		Thu	04:36 07:36 3.6F		Mon	08:36 11:36 -5.2E	
e	09:48 12:48 2.9F			10:48 13:36 -5E			15:06 18:00 3.9F	
	15:54 18:42 -3.9E			17:06 20:00 3.6F			21:06	
	22:24			23:12				
5	01:24 2.8F		15	01:54 -4.8E		26	00:00 -5E	
Tue	04:24 07:12 -3.8E		Fri	05:18 08:18 3.6F		Tue	03:24 06:18 3.9F	
	10:48 13:54 2.9F			11:30 14:18 -4.9E		●	09:24 12:24 -5.2E	
	16:48 19:42 -3.9E			17:48 20:42 3.5F			15:54 18:48 3.9F	
	23:18			23:54			21:54	
6	02:24 2.9F		16	02:42 -4.7E		27	00:48 -5E	
Wed	05:18 08:12 -3.9E		Sat	06:00 09:00 3.5F		Wed	04:12 07:06 3.9F	
	11:42 14:48 2.9F			12:12 15:06 -4.9E			10:12 13:12 -5.2E	
	17:42 20:42 -4E			18:36 21:30 3.4F			16:42 19:36 3.8F	
							22:42	
7	00:06 03:12 3F		17	00:42 03:30 -4.6E		28	01:30 -4.9E	
Thu	06:06 09:06 -4E		Sun	06:48 09:54 3.4F		Thu	05:00 07:54 3.8F	
	12:30 15:36 3.1F			13:06 15:54 -4.7E			11:00 13:54 -5.1E	
	18:30 21:24 -4.1E			19:30 22:24 3.2F			17:30 20:24 3.7F	
							23:30	
8	00:54 03:54 3.1F		18	01:36 04:24 -4.5E		29	02:18 -4.8E	
Fri	06:54 09:48 -4.2E		Mon	07:48 10:48 3.3F		Fri	05:48 08:42 3.7F	
	13:12 16:18 3.2F			14:00 16:54 -4.6E			11:48 14:42 -4.9E	
	19:18 22:06 -4.3E			20:30 23:24 3.1F			18:18 21:12 3.5F	
9	01:36 04:36 3.3F		19	02:36 05:18 -4.4E		30	00:12 03:00 -4.6E	
Sat	07:36 10:24 -4.4E		Tue	08:54 11:48 3.2F		Sat	06:36 09:30 3.4F	
	13:54 16:54 3.4F		◐	15:06 17:54 -4.5E			12:36 15:24 -4.7E	
	20:00 22:42 -4.5E			21:36			19:06 22:00 3.3F	
10	02:12 05:12 3.4F		20	03:42 06:24 3.1F				
Sun	08:12 11:00 -4.6E		Wed	10:00 13:00 3.2F				
	14:36 17:30 3.5F			16:12 19:00 -4.5E				
	20:36 23:18 -4.6E			22:42				

Hell Gate - December 2019

	Slack Water	Maximum Current		Slack Water	Maximum Current		21	02:24	3.3F
							Sat	05:24	08:24 -4.7E
								12:06	15:00 3.3F
								18:00	20:54 -4.6E
1	01:00	03:48 -4.4E		11	03:00 05:54 3.5F		22	00:30 03:24 3.4F	
Sun	07:24	10:18 3.2F		Wed	08:54 11:48 -5E		Sun	06:24 09:30 -4.8E	
	13:24	16:12 -4.5E			15:30 18:18 3.5F			13:06 16:00 3.5F	
	20:00	22:48 3F			21:24			18:54 21:54 -4.7E	
2	01:54	04:36 -4.2E		12	03:36 06:30 3.6F		23	01:24 04:24 3.6F	
Mon	08:18	11:06 3F		Thu	09:36 12:30 -5.1E		Mon	07:18 10:30 -4.9E	
	14:12	17:00 -4.3E		○	16:12 19:00 3.5F			14:00 16:54 3.6F	
	20:48	23:42 2.9F			22:06			19:54 22:54 -4.8E	
3	02:42	05:24 -4.1E		13	04:18 07:12 3.6F		24	02:18 05:18 3.7F	
Tue	09:12	12:00 2.8F		Fri	10:24 13:18 -5.1E		Tue	08:12 11:24 -5E	
	15:06	17:54 -4.1E			16:54 19:42 3.6F			14:54 17:48 3.6F	
	21:42				22:48			20:42 23:42 -4.9E	
4		00:36 2.8F		14	05:06 08:00 3.6F		25	03:06 06:06 3.7F	
Wed	03:36	06:18 -4E		Sat	11:06 14:00 -5.1E		Wed	09:06 12:12 -5.1E	
e	10:06	13:00 2.7F			17:42 20:30 3.5F			15:42 18:36 3.7F	
	16:00	18:48 -4E			23:36			21:30	
	22:36								
5		01:30 2.7F		15	02:24 -4.9E		26	00:30 -4.9E	
Thu	04:24	07:12 -4E		Sun	05:48 08:48 3.6F		Thu	03:54 06:54 3.7F	
	11:00	13:54 2.8F			11:54 14:48 -5E		●	09:48 12:54 -5.1E	
	16:54	19:36 -4E			18:30 21:18 3.4F			16:24 19:18 3.6F	
	23:30							22:18	
6		02:18 2.8F		16	00:24 03:12 -4.8E		27	01:12 -4.9E	
Fri	05:18	08:06 -4.1E		Mon	06:42 09:36 3.5F		Fri	04:42 07:36 3.7F	
	11:48	14:42 2.8F			12:48 15:42 -4.9E			10:36 13:36 -5E	
	17:42	20:30 -4.1E			19:24 22:12 3.3F			17:12 20:06 3.5F	
								23:00	
7	00:12	03:06 2.9F		17	01:18 04:06 -4.7E		28	01:54 -4.8E	
Sat	06:06	08:54 -4.3E		Tue	07:42 10:36 3.4F		Sat	05:24 08:18 3.6F	
	12:36	15:30 3F			13:42 16:36 -4.8E			11:24 14:18 -4.9E	
	18:30	21:18 -4.3E			20:18 23:06 3.3F			17:54 20:48 3.4F	
								23:48	
8	01:00	03:48 3.1F		18	02:18 05:06 -4.6E		29	02:36 -4.7E	
Sun	06:48	09:42 -4.4E		Wed	08:42 11:36 3.3F		Sun	06:12 09:00 3.4F	
	13:24	16:12 3.1F			14:48 17:36 -4.7E			12:06 15:00 -4.8E	
	19:18	22:00 -4.4E			21:18			18:42 21:30 3.3F	
9	01:42	04:30 3.2F		19	03:18 06:06 3.2F		30	00:30 03:18 -4.6E	
Mon	07:36	10:24 -4.6E		Thu	09:54 12:42 3.2F		Mon	06:54 09:42 3.3F	
	14:06	16:54 3.3F		○	15:48 18:42 -4.6E			12:48 15:42 -4.6E	
	20:00	22:42 -4.6E			22:24			19:24 22:12 3.1F	
10	02:18	05:12 3.4F		20	04:24 07:12 -4.6E		31	01:12 04:00 -4.4E	
Tue	08:18	11:06 -4.8E		Fri	11:00 13:48 3.2F		Tue	07:42 10:30 3.1F	
	14:48	17:36 3.4F			16:54 19:48 -4.6E			13:36 16:18 -4.5E	
	20:42	23:24 -4.7E			23:30			20:12 22:54 2.9F	