

Table B5: Comparison between calculated and observed  $K_1$  tidal ellipse parameter

Latitude (Deg)	Longitude (Deg)	Station	$U_{major}$ (cm/s)			$U_{minor}$ (cm/s)			Orient (Deg)			Phase (Deg)			Depth (m)	Bottom (m)
			Obs.	Cal.	Diff	Obs.	Cal.	Diff	Obs.	Cal.	Diff	Obs.	Cal.	Diff		
42.343	-70.758	BLS 1	1.2±0.4	0.5	-0.7	-0.4±0.7	0.2	0.6	330±46	298	-32	332±63	7	35	22	30
42.343	-70.758	BLS 1	0.6	0.5	-0.1	-0.1	0.2	0.3	320	298	-22	7	12	5	30	30
42.340	-70.590	STB 8	1.2±0.2	0.5	-0.7	0.4±0.1	0.4	0.0	298±131	281	-17	348±102	350	2	34	65
42.417	-70.583	FA 16	0.6	0.7	0.1	0.3	0.2	-0.1	317	351	34	26	44	18	32	84
42.417	-70.583	FA 16	0.7	0.6	-0.1	0.2	0.3	0.1	359	355	-4	55	55	0	62	84
41.910	-70.227	CCB 21	0.7	0.6	-0.1	-0.3	0.1	0.4	143	164	21	260	260	0	29	30
41.975	-70.397	CCE 22	0.7±0.1	0.9	0.2	0.1±0.0	0.1	0.0	331±07	310	-21	133±08	96	-37	6	46
41.977	-70.403	CCE 22	1.0±0.0	0.8	-0.2	0.0±0.0	0.2	0.2	335±09	312	-23	127±08	85	-42	24	47
41.977	-70.403	CCE 22	1.4±0.7	0.8	-0.6	0.0±0.1	0.2	0.2	283±10	311	28	67±04	89	22	40	47
41.977	-70.403	CCE 22	0.9	0.6	-0.3	-0.4	0.2	0.6	313	311	-2	92	93	1	46	47
42.393	-70.907	A 23	1.3±0.4	0.7	-0.6	0.2±0.2	0.0	-0.2	317±20	319	2	19±07	28	9	8	24
42.393	-70.907	A 23	0.9±0.2	0.5	-0.4	-0.4±0.4	0.0	0.4	334±90	318	-16	12±85	32	20	23	24
42.343	-70.802	B 24	0.7±0.4	0.6	-0.1	0.2±0.1	0.1	-0.1	255±59	291	36	324±24	3	39	8	37
42.343	-70.802	B 24	0.9±0.5	0.5	-0.4	0.1±0.2	0.1	0.0	322±32	292	-30	5±06	4	-1	36	37
42.393	-70.662	C 25	3.0±1.2	0.4	-2.6	-1.4±1.4	0.3	1.7	280±17	281	1	378±22	348	-30	8	72
42.393	-70.662	C 25	0.7±0.1	0.4	-0.3	-0.2±0.4	0.3	0.5	286±123	281	-5	343±95	348	5	71	72
42.390	-70.898	2 29	0.8±0.3	0.5	-0.3	-0.2±0.4	0.1	0.3	297±40	307	10	35±29	26	-9	9	23
42.390	-70.898	2 29	0.6±0.2	0.5	-0.1	0.0±0.2	0.1	0.1	311±100	307	-4	28±61	30	2	17	23
42.333	-70.842	3 30	1.1±0.3	0.5	-0.6	-0.2±0.7	0.1	0.3	334±24	301	-33	18±38	14	-4	9	23
42.333	-70.842	3 30	1.1±0.6	0.5	-0.6	-0.3±0.3	0.1	0.4	293±48	301	8	355±44	16	21	17	23
42.378	-70.785	5 32	1.2±0.6	0.5	-0.7	-0.4±0.6	0.2	0.6	306±42	302	-4	2±44	6	4	14	34
42.378	-70.785	5 32	2.6	0.5	-2.1	-0.8	0.2	1.0	279	304	25	3	9	6	22	34
42.378	-70.785	5 32	0.9±0.2	0.5	-0.4	-0.3±0.3	0.2	0.5	337±32	306	-31	50±48	12	-38	27	34
42.452	-70.825	6 33	0.9±0.3	0.4	-0.5	-0.3±0.4	0.1	0.4	327±01	323	-4	356±33	23	27	11	37
42.452	-70.825	6 33	0.8	0.4	-0.4	0.1	0.1	0.0	338	329	-9	10	32	22	31	37
42.317	-70.777	7 34	1.4±0.7	0.5	-0.9	-0.7±0.2	0.1	0.8	260±02	283	23	370±04	363	-7	9	27
42.328	-70.767	7 34	2.1±0.6	0.5	-1.6	-0.8±0.4	0.2	1.0	322±16	297	-25	329±02	5	36	17	27
42.317	-70.777	7 34	1.3±0.1	0.4	-0.9	0.1±0.2	0.2	0.1	267±100	278	11	346±80	3	17	18	27
42.342	-70.937	9 35	2.8±0.5	0.5	-2.3	-0.1±0.0	0.0	0.1	296±03	301	5	36±05	39	3	9	15
42.317	-70.900	10 36	3.8±0.2	0.6	-3.2	0.0±0.4	0.1	0.1	295±16	295	0	7±18	7	0	7	12
43.367	-62.667	SS3	7.6±2.2	11.5	3.9	-4.8±1.8	-7.4	-2.6	255±74	238	-17	22±90	18	-4	20	99
43.367	-62.667	SS3	8.1±2.7	11.7	3.6	-5.2±2.0	-7.6	-2.4	236±08	238	2	16±02	19	3	50	99
43.367	-62.667	SS3	5.9	11.5	5.6	-3.5	-7.4	-3.9	275	241	-34	39	20	-19	81	99
43.367	-62.667	SS3	8.3	11.4	3.1	-4.3	-7.3	-3.0	263	241	-22	37	21	-16	91	99
43.367	-62.667	SS3	5.2±1.9	11.3	6.1	-2.7±1.1	-7.2	-4.5	257±11	242	-15	42±04	21	-21	95	99
43.033	-62.900	SS7	7.6	15.4	7.8	-4.1	-12.5	-8.4	262	255	-7	15	29	14	50	125
43.033	-62.900	SS7	5.2	14.2	9.0	-3.3	-11.3	-8.0	277	260	-17	43	32	-11	118	125
43.750	-62.983	SS2	5.9±1.5	5.5	-0.4	-0.9±0.2	0.0	0.9	245±47	266	21	20±10	26	6	20	278
43.750	-62.983	SS2	6.0±1.8	5.5	-0.5	-0.5±0.4	0.0	0.5	280±06	266	-14	22±06	26	4	50	278
43.750	-62.983	SS2	4.8±1.2	5.5	0.7	0.2±0.2	0.0	-0.2	281±11	266	-15	36±07	26	-10	95	278
43.750	-62.983	SS2	4.7±1.4	5.5	0.8	0.8±0.4	0.0	-0.8	306±12	266	-40	52±04	26	-26	250	278
43.250	-63.367	SS6	4.5	11.0	6.5	-1.9	-5.9	-4.0	308	291	-17	10	26	16	50	135
43.250	-63.367	SS6	3.8	10.8	7.0	-0.8	-5.7	-4.9	296	294	-2	48	29	-19	130	135
44.433	-63.483	SS1	7.6±2.9	7.9	0.3	-0.9±1.0	0.4	1.3	264±83	242	-22	24±12	14	-10	14	101
44.433	-63.483	SS1	5.4±3.0	7.9	2.5	0.4±0.2	0.5	0.1	238±97	244	6	351±40	16	25	95	101
42.817	-63.500	S1	3.8±0.5	3.5	-0.3	-2.8±0.7	-1.8	1.0	71±93	36	-35	312±90	283	-29	20	240
42.817	-63.500	S1	4.5±1.7	3.5	-1.0	-2.5±1.2	-1.8	0.7	36±100	36	0	284±99	283	-1	50	240

42.817	-63.500	S1	6.8	3.5	-3.3	-4.6	-1.8	2.8	73	36	-37	270	283	13	100	240
42.817	-63.500	S1	5.8±2.3	3.5	-2.3	-3.5±1.3	-1.8	1.7	38±27	36	-2	268±01	283	15	150	240
42.817	-63.500	S1	5.7±2.4	3.5	-2.2	-3.1±0.9	-1.8	1.3	22±20	36	14	286±01	283	-3	230	240
43.000	-63.500	S6	7.5	12.9	5.4	-3.6	-9.0	-5.4	263	288	25	10	19	9	20	170
43.000	-63.500	S6	6.2±3.1	13.1	6.9	-2.7±0.6	-9.2	-6.5	281±12	288	7	15±03	19	4	50	170
43.000	-63.500	S6	7.8	13.0	5.2	-4.4	-9.1	-4.7	315	290	-25	11	21	10	100	170
43.000	-63.500	S6	5.1±0.0	13.0	7.9	-2.6±0.1	-9.1	-6.5	294±07	291	-3	20±03	21	1	153	170
44.283	-63.767	SS13	4.2	5.2	1.0	-0.4	0.4	0.8	256	274	18	17	29	12	14	98
44.283	-63.767	SS13	5.8	5.2	-0.6	0.1	0.4	0.3	280	274	-6	15	29	14	16	98
44.283	-63.767	SS13	3.4	4.7	1.2	1.0	0.6	-0.4	283	277	-6	40	37	-3	89	98
44.283	-63.767	SS13	3.3	5.3	2.0	0.4	0.3	-0.1	292	276	-16	66	31	-35	95	98
44.417	-63.950	SS12	2.9±1.4	4.4	1.5	-0.1±0.1	0.2	0.3	233±17	246	13	20±03	13	-7	14	60
44.417	-63.950	SS12	3.9	4.3	0.4	0.1	0.2	0.1	250	247	-3	13	14	1	20	60
44.417	-63.950	SS12	1.1	4.2	3.1	0.3	0.4	0.1	270	248	-22	0	17	17	54	60
42.767	-64.000	S2	6.6	3.4	-3.2	-4.2	-2.6	1.6	119	88	-31	276	269	-7	30	240
42.767	-64.000	S2	6.9±0.2	3.4	-3.5	-4.2±0.5	-2.6	1.6	68±05	88	20	283±01	269	-14	50	240
42.767	-64.000	S2	3.6±0.1	3.4	-0.2	-0.2±0.4	-2.6	-2.4	95±24	88	-7	252±19	268	16	220	240
43.567	-65.100	C5	4.0	9.4	5.4	-0.1	-0.6	-0.5	329	329	0	73	43	-30	15	60
43.567	-65.100	C5	8.2	9.5	1.3	-2.9	-0.7	2.2	308	329	21	60	44	-16	30	60
43.567	-65.100	C5	6.9	9.5	2.6	-0.1	-0.6	-0.5	310	331	21	8	45	37	50	60
43.183	-65.717	C1	9.3	15.1	5.8	-0.9	-1.7	-0.8	329	353	24	10	10	0	15	60
43.183	-65.717	C1	8.5	14.1	5.6	-0.5	-1.5	-1.0	326	352	26	10	11	1	30	60
43.183	-65.717	C1	6.6	8.8	2.2	-0.5	-1.0	-0.5	329	351	22	12	15	3	50	60
42.833	-65.833	C3	6.5	7.6	1.1	-0.7	-2.6	-1.9	358	22	24	16	23	7	15	110
42.833	-65.833	C3	7.5	7.6	0.1	-2.4	-2.5	-0.1	349	23	34	12	25	13	50	110
42.833	-65.833	C3	4.8	7.1	2.3	-0.5	-2.0	-1.5	7	21	14	33	30	-3	100	110
42.367	-65.933	NEC1	3.4±0.5	4.3	0.9	1.4±0.7	-0.1	-1.5	14±16	56	42	31±27	66	35	103	223
42.367	-65.933	NEC1	3.1±0.3	4.2	1.1	1.4±0.5	-0.1	-1.5	36±36	57	21	77±26	69	-8	153	223
42.367	-65.933	NEC1	3.2±0.7	3.8	0.6	1.3±0.2	0.0	-1.3	57±09	56	-1	75±08	71	-4	207	223
42.300	-65.967	NEC2	3.6±0.3	3.1	-0.5	1.2±0.1	1.2	0.0	107±26	110	3	128±33	113	-15	106	240
42.300	-65.967	NEC2	2.9±0.6	3.1	0.2	1.6±0.4	1.2	-0.4	118±46	111	-7	152±42	114	-38	156	240
42.300	-65.967	NEC2	2.6±0.4	2.9	0.3	1.5±0.2	1.3	-0.2	111±35	109	-2	146±23	115	-31	217	240
42.183	-66.033	NEC3	2.6±0.7	3.3	0.7	1.2±0.5	0.9	-0.4	239±06	281	42	324±03	280	-44	112	228
42.183	-66.033	NEC3	3.0±0.3	3.2	0.2	0.6±0.1	0.9	0.3	245±10	282	37	238±01	282	44	162	228
42.183	-66.033	NEC3	2.8±0.3	3.1	0.3	0.3±0.2	1.0	0.7	247±18	282	35	251±07	283	32	212	228
43.183	-69.083	CASHES LEDGE	0.9	0.9	0.0	0.6	0.5	-0.1	51	28	-23	67	31	-36	33	190
43.183	-69.083	CASHES	0.5	0.9	0.4	0.2	0.5	0.3	20	28	8	21	30	9	68	190
43.183	-69.083	CASHES	0.7	0.9	0.2	0.4	0.5	0.1	17	28	11	45	30	-15	180	190
43.667	-69.383	MONEGAN	0.7	1.0	0.3	0.2	0.4	0.2	15	45	30	45	29	-16	33	98
43.667	-69.383	MONEGAN	0.9	1.0	0.1	-0.2	0.4	0.6	37	45	8	11	29	18	68	98
43.217	-70.283	C.PORPOISE	0.8	0.7	-0.1	0.4	0.1	-0.3	101	65	-36	52	74	22	33	98
43.217	-70.283	C.PORPOISE	0.3	0.6	0.3	-0.1	0.2	0.3	57	69	12	85	86	1	68	98
42.333	-70.750	BOSTON L.S.	0.9	0.5	-0.4	-0.4	0.1	0.5	266	281	15	345	356	11	2	33
45.133	-65.133	BED65	2.1	2.5	0.4	-0.1	-0.1	0.0	111	113	2	33	31	-2	25	62
45.417	-65.117	BED66	2.0	2.0	0.0	0.0	0.1	0.1	112	111	-1	19	40	21	25	38
45.217	-65.233	BED64	2.5	2.7	0.2	0.4	-0.1	-0.5	128	128	0	35	33	-2	10	50
45.217	-65.233	BED64	2.4	2.4	0.0	0.0	-0.1	-0.1	126	127	1	31	34	3	25	50
45.317	-65.333	BED63	2.0	2.2	0.2	0.1	0.0	-0.1	116	116	0	36	38	2	25	50
44.650	-66.033	BED62	2.2	2.5	0.3	0.6	-0.1	-0.7	96	93	-3	32	40	8	13	90
44.817	-66.200	BED61	1.6	2.2	0.6	0.4	-0.1	-0.5	107	116	9	25	37	12	13	107
44.817	-66.200	BED61	1.8	2.2	0.4	0.3	-0.1	-0.4	118	116	-2	28	40	12	50	107

45.000	-66.400	BED60	0.7	1.6	0.9	0.0	-0.1	-0.1	142	124	-18	71	38	-33	13	71
41.700	-66.600	L	5.9±0.6	7.7	1.8	-3.5±0.6	-5.0	-1.5	276±08	290	14	250±06	257	7	51	66
42.200	-66.683	P4	3.3	4.1	0.8	1.8	0.9	-0.9	239	278	39	268	285	17	79	219
42.200	-66.683	P4	3.3	4.1	0.8	2.2	0.9	-1.3	283	283	0	328	293	-35	129	219
42.033	-66.683	P5	9.0	9.9	0.9	-2.2	-6.0	-3.8	52	95	43	84	84	0	19	71
42.033	-66.683	P5	4.5	9.1	4.6	-1.8	-5.4	-3.6	243	274	31	253	266	13	44	71
41.883	-66.683	P6	6.9±0.3	9.9	3.0	-3.4±0.2	-6.3	-2.9	62±06	101	39	76±10	77	1	11	70
41.883	-66.683	P6	6.2±0.2	9.4	3.2	-3.0±0.2	-6.0	-3.0	72±07	100	28	75±10	78	3	26	70
41.883	-66.683	P6	5.4±0.3	9.0	3.6	-2.7±0.2	-5.6	-2.9	90±07	100	10	74±08	78	4	36	70
40.933	-66.967	M4	5.1	6.0	0.9	-3.1	-5.0	-1.9	317	334	17	200	229	29	10	77
40.933	-66.967	M4	4.2	5.6	1.4	-3.4	-4.6	-1.2	344	334	-10	274	231	-43	36	77
40.933	-66.967	M4	3.4	4.5	1.1	-2.5	-3.6	-1.1	333	333	0	234	234	0	69	77
42.200	-67.250	P1	2.6	2.7	0.1	-1.6	0.4	2.0	18	39	21	108	80	-28	30	203
42.200	-67.250	P1	2.7	2.7	0.0	-1.4	0.4	1.8	68	39	-29	70	80	10	40	203
42.200	-67.250	P1	1.5	2.7	1.2	-0.4	0.5	0.9	33	39	6	109	82	-27	75	203
42.050	-67.250	P2	5.1±0.5	10.5	5.4	-2.4±0.5	-4.9	-2.5	19±01	52	33	81±03	86	5	14	50
42.050	-67.250	P2	3.9	9.4	5.5	-2.1	-4.3	-2.2	37	53	16	68	85	17	30	50
41.883	-67.250	P3	5.0	9.2	4.2	-2.5	-5.6	-3.1	32	63	31	65	82	17	15	45
41.883	-67.250	P3	5.2	8.6	3.4	-2.3	-5.2	-2.9	40	63	23	69	83	14	30	45
41.883	-67.250	P3	2.1	8.1	6.0	0.4	-4.8	-5.2	92	63	-29	106	84	-22	40	45
41.333	-67.267	M3	6.4	7.0	0.6	-4.1	-4.6	-0.5	200	198	-2	131	135	4	36	44
40.900	-67.400	M9	3.0	3.2	0.2	-1.7	-2.2	-0.5	348	336	-12	220	229	9	71	79
40.850	-67.400	A	4.8±0.5	3.6	-1.2	-3.5±0.8	-2.6	0.9	335±29	335	0	193±33	224	31	15	85
40.850	-67.400	A	4.6±0.7	3.3	-1.3	-3.4±0.6	-2.3	1.1	324±17	336	12	209±17	226	17	45	85
40.850	-67.400	A	3.1±0.6	2.8	-0.3	-2.0±0.6	-1.9	0.1	337±21	334	-3	220±17	229	9	75	85
40.850	-67.400	A	2.3±0.4	2.3	0.0	-1.8±0.4	-1.6	0.2	322±18	333	11	217±12	230	13	84	85
41.400	-67.567	C	6.0±0.7	7.6	1.6	-3.7±0.5	-5.7	-2.0	93±09	100	7	47±04	52	5	15	38
41.067	-67.567	K	6.2±0.5	5.6	-0.6	-4.6±0.2	-4.4	0.2	322±04	323	1	205±10	219	14	10	64
41.067	-67.567	K	5.9±1.0	5.4	-0.5	-4.4±1.0	-4.3	0.1	296±53	323	27	225±49	220	-5	15	64
41.067	-67.567	K	6.2±0.5	5.0	-1.2	-4.6±0.2	-3.9	0.7	322±04	323	1	205±11	221	16	34	64
41.067	-67.567	K	4.6±0.8	4.1	-0.5	-3.3±0.8	-3.1	0.2	317±10	321	4	220±05	224	4	54	64
41.067	-67.567	K	4.4±0.5	3.8	-0.6	-3.1±0.1	-2.9	0.2	301±09	321	20	220±01	224	4	58	64
41.067	-67.567	K	3.2±0.6	3.3	0.1	-2.4±0.3	-2.5	-0.1	319±25	321	2	205±18	224	19	60	64
41.983	-67.783	D	3.0±0.2	3.2	0.2	-1.3±0.2	-1.6	-0.3	71±10	71	0	55±04	53	-2	15	84
40.850	-68.817	M	8.9±1.1	11.0	2.1	-2.5±0.5	-4.4	-1.9	293±02	302	9	250±05	240	-10	10	66
40.850	-68.817	M	7.5±1.0	9.4	1.9	-2.2±0.5	-3.3	-1.1	291±02	302	11	255±02	243	-12	51	66
40.817	-69.000	B	3.7±0.5	10.4	6.7	-2.2±0.8	-2.4	-0.2	302±03	313	11	248±05	237	-11	58	78
40.850	-69.017	GSC2	10.4	12.3	1.9	-1.9	-3.1	-1.2	296	313	17	235	237	2	10	83
40.850	-69.017	GSC2	10.0	11.4	1.4	-1.7	-2.5	-0.8	297	312	15	241	239	-2	42	83
40.850	-69.017	GSC2	4.3	8.1	3.8	0.6	-1.5	-2.1	318	311	-7	243	241	-2	76	83
40.850	-69.017	N	9.4±1.0	9.7	0.3	-1.9±0.2	-1.8	0.1	305±08	311	6	240±04	241	1	68	83
40.500	-69.117	R	4.9±1.0	8.3	3.4	-1.9±1.1	-3.8	-1.9	330±08	331	1	212±07	219	7	79	80
40.867	-69.183	GSC1	10.3	13.7	3.4	-0.7	-4.0	-3.3	121	120	-1	57	50	-7	27	64
40.867	-69.183	GSC1	8.6	12.2	3.6	-0.6	-3.4	-2.8	120	119	-1	50	52	2	49	64
40.567	-67.750	LCA	2.5±0.9	2.0	-0.5	-2.0±1.0	-1.1	0.9	112±60	120	8	339±63	13	34	80	100
40.567	-67.750	LCA	1.3±0.3	1.8	0.5	-0.8±0.1	-1.0	-0.2	98±38	119	21	24±65	15	-9	99	100
40.533	-67.717	LCB	2.6±0.8	1.1	-1.5	-1.7±0.9	-0.3	1.4	128±50	115	-13	37±53	10	-27	92	282
40.533	-67.717	LCB	0.7±0.2	1.1	0.4	-0.1±0.3	-0.3	-0.2	93±80	115	22	24±16	10	-14	227	282
40.533	-67.717	LCB	0.7±0.3	1.1	0.4	0.0±0.2	-0.3	-0.3	87±63	115	28	8±11	10	2	277	282
40.483	-67.733	LCC	1.2±0.2	1.0	-0.2	-0.6±0.2	-0.3	0.3	115±50	112	-3	359±59	357	-2	134	184
40.483	-67.683	LCD	1.4±0.4	0.9	-0.5	-0.8±0.2	0.0	0.8	151±52	114	-37	24±53	4	-20	143	193

40.383	-67.550	LCI	2.8±1.0	0.8	-2.0	-1.7±1.3	-0.1	1.6	119±47	112	-7	350±62	351	1	10	250
40.383	-67.550	LCI	2.5±0.6	0.8	-1.7	-1.0±0.4	-0.1	0.9	107±64	112	5	339±39	351	12	55	250
40.383	-67.550	LCI	1.3±0.5	0.8	-0.5	-0.4±0.5	-0.1	0.3	128±27	112	-16	310±52	351	41	195	250
40.383	-67.550	LCI	0.8±0.2	0.8	0.0	0.0±0.2	-0.1	-0.1	81±76	112	31	392±61	351	-41	245	250
40.533	-67.600	LCL	2.9±0.7	1.1	-1.8	-2.2±0.7	-0.2	2.0	155±45	132	-23	24±59	20	-4	65	125
40.533	-67.600	LCL	2.4±0.3	1.0	-1.4	-1.2±0.8	-0.1	1.1	91±18	130	39	11±25	21	10	105	125
40.500	-67.817	LCM	2.6±0.4	2.1	-0.5	-1.4±0.7	-1.2	0.2	91±67	114	23	5±68	10	5	103	123
40.500	-67.817	LCM	1.7±0.4	1.8	0.0	-0.7±0.4	-1.0	-0.3	83±71	113	30	21±54	12	-9	119	123
40.617	-69.617	NANTUCKET LS	8.2±0.4	11.3	3.1	-5.8±0.0	-5.4	0.4	162±10	164	2	356±11	358	2	2	55
41.517	-69.600	NSA	4.4	6.5	2.1	-0.6	-2.8	-2.2	358	5	7	86	75	-11	5	33
41.517	-69.600	NSA	4.5	5.3	0.8	-1.3	-2.3	-1.0	359	5	6	82	76	-6	25	33
41.433	-69.733	NSB	3.7	6.8	3.1	-2.5	-4.2	-1.7	17	27	10	32	39	7	10	22
41.617	-69.733	NSD	3.3	3.4	0.1	-2.2	-1.2	1.0	316	332	16	75	69	-6	16	33
41.617	-69.900	POLLOCK RIP	1.6	5.2	3.6	-0.1	-3.1	-3.0	48	41	-7	357	359	2	2	14
41.400	-69.917	GREAT ROUND	5.2	8.9	3.7	0.1	-3.0	-3.1	51	57	6	0	8	8	2	22
41.617	-69.983	NSC	4.6	7.9	3.3	-0.6	-0.6	0.0	46	46	0	345	5	20	8	16
40.717	-70.017	I	9.6	17.9	8.3	-3.5	-7.2	-3.7	342	344	2	157	157	0	18	23
40.983	-70.067	NSE	7.7	15.8	8.1	-4.6	-7.5	-2.9	116	116	0	387	360	-27	10	22
40.683	-70.133	NSFE1	12.8	14.9	2.1	-8.4	-8.9	-0.5	10	10	0	137	145	8	10	46
40.683	-70.133	NSFE1	8.0	12.9	4.9	-4.8	-7.3	-2.5	7	9	2	151	148	-3	30	46
40.500	-70.217	Q	9.0±0.7	11.7	2.7	-7.0±1.0	-7.6	-0.6	8±08	8	0	156±08	153	-3	10	67
40.500	-70.217	Q	7.6±1.1	11.1	3.5	-5.3±1.2	-6.9	-1.6	7±10	9	2	160±09	154	-6	31	67
40.500	-70.217	Q	6.4±0.8	9.8	3.4	-4.6±0.8	-5.8	-1.2	12±13	9	-3	173±16	157	-16	51	67
40.500	-70.217	Q	5.5±1.0	9.3	3.8	-3.5±0.5	-5.4	-1.9	22±04	9	-13	169±11	158	-11	57	67
40.500	-70.217	Q	4.0±1.2	7.3	3.3	-2.4±0.7	-4.2	-1.8	15±06	8	-7	163±07	160	-3	66	67
40.333	-70.267	NSFE3	6.2	9.6	3.4	-4.4	-6.1	-1.7	9	3	-6	179	154	-25	10	88
40.333	-70.267	NSFE3	5.2	9.5	4.3	-3.7	-5.9	-2.2	4	4	0	172	156	-16	30	88
40.333	-70.267	NSFE3	5.3	8.2	2.9	-4.1	-4.6	-0.5	20	6	-14	162	160	-2	70	88
40.217	-70.300	NSFE4	6.2	8.9	2.8	-5.2	-6.5	-1.3	1	2	1	177	151	-26	10	105
40.217	-70.300	NSFE4	4.2	9.1	4.9	-3.1	-6.6	-3.5	0	3	3	182	152	-30	30	105
40.217	-70.300	NSFE4	5.9	8.9	3.0	-4.3	-6.5	-2.2	19	5	-14	157	154	-3	60	105
40.217	-70.300	NSFE4	5.0	7.9	2.9	-4.0	-5.4	-1.4	359	6	7	189	157	-32	90	105
40.033	-70.367	NSFE5	4.4	4.8	0.4	-4.0	-3.6	0.4	20	25	5	166	138	-28	10	198
40.033	-70.367	NSFE5	3.5	4.8	1.2	-2.4	-3.6	-1.2	1	25	24	167	138	-29	30	198
40.033	-70.367	NSFE5	3.1	4.7	1.6	-2.7	-3.6	-0.9	23	25	2	162	138	-24	90	198
40.033	-70.367	NSFE5	3.0	4.7	1.7	-2.5	-3.6	-1.1	40	25	-15	137	138	1	120	198
40.033	-70.367	NSFE5	3.4	4.8	1.4	-2.8	-3.6	-0.8	41	25	-16	144	138	-6	185	198
40.483	-70.500	P	4.1±0.4	8.5	4.4	-3.2±0.6	-5.9	-2.7	181±16	154	-27	280±10	297	17	61	71
40.483	-70.500	P	2.2±0.1	7.5	5.3	-1.2±0.1	-5.1	-3.9	177±20	154	-23	281±06	298	17	70	71
40.300	-70.867	NES743	3.0	9.0	6.0	-1.9	-6.9	-5.0	208	209	1	343	346	3	20	105
40.300	-70.867	NES743	7.1	8.9	1.8	-6.6	-6.8	-0.2	216	212	-4	360	348	-12	60	105
40.583	-70.983	NES742	4.8	8.2	3.4	-2.6	-5.4	-2.8	201	215	14	351	354	3	20	74
40.583	-70.983	NES742	6.9	8.2	1.3	-5.1	-5.4	-0.3	216	215	-1	362	355	-7	20	74
41.450	-71.017	HENS & CHICK	1.7	3.8	2.1	-0.1	-0.9	-0.8	185	174	-11	369	357	-12	2	18
40.450	-71.200	NES762	3.7	8.5	4.8	-2.6	-6.1	-3.5	211	224	13	7	2	-5	38	84
40.450	-71.200	NES762	3.8	6.2	2.4	-2.6	-4.0	-1.4	216	224	8	16	9	-7	73	84
40.933	-71.217	NES741	4.7	6.3	1.6	-2.1	-2.9	-0.8	205	212	7	354	356	2	28	58
41.433	-71.383	BRENTON REEF	2.0	2.3	0.3	-0.7	0.2	0.9	164	176	12	366	359	-7	2	26
39.917	-71.967	NES762W	3.2	9.6	6.4	-2.2	-8.8	-6.6	74	63	-11	289	286	-3	38	83
40.200	-72.000	LT5	6.4±1.1	9.4	3.0	-3.3±1.3	-8.1	-4.8	328±45	298	-30	0±41	36	36	21	67
40.200	-72.000	LT5	4.3±1.7	9.1	4.8	-2.2±1.2	-7.8	-5.6	313±39	299	-14	44±40	39	-5	41	67

40.200	-72.000	LTS	2.7±0.2	8.0	5.3	-1.4±0.1	-6.8	-5.4	344±04	300	-44	48±10	41	-7	61	67
40.200	-72.000	LTS	1.7±0.5	7.3	5.6	-0.7±0.6	-6.1	-5.4	336±17	300	-36	47±16	43	-4	66	67
40.567	-72.317	LT4	6.1±0.2	7.1	1.0	-2.7±0.7	-2.6	0.1	285±107	282	-3	348±23	16	28	3	52
40.567	-72.317	LT4	6.1±1.9	6.8	0.7	-1.0±1.8	-2.1	-1.1	246±11	284	38	17±10	19	2	24	52
40.567	-72.317	LT4	3.8±1.4	5.0	1.2	-0.8±1.5	-1.1	-0.3	250±23	281	31	26±11	28	2	44	52
40.567	-72.317	LT4	2.3±0.5	5.0	2.7	-0.6±0.4	-1.1	-0.5	261±01	281	20	34±00	28	-6	51	52
40.783	-72.483	CMICE	3.4	7.1	3.7	-1.4	-0.2	1.2	245	265	20	7	12	5	4	29
40.783	-72.483	CMICE	3.8	6.6	2.8	1.2	0.0	-1.2	250	263	13	357	14	17	8	29
40.783	-72.483	CMICE	2.7	4.3	1.6	0.1	0.3	0.2	223	260	37	345	20	35	16	29
40.783	-72.483	CMICE	1.7	4.8	3.1	0.4	0.3	-0.1	244	260	16	10	19	9	25	29
39.950	-72.600	ME	1.6	8.1	6.5	-0.5	-7.2	-6.7	358	6	8	359	27	28	59	60
38.917	-72.967	NJ4	2.5	6.9	4.4	-2.2	-0.1	2.1	388	359	-29	180	145	-35	3	92
38.917	-72.967	NJ4	1.1	7.6	6.5	-0.3	-0.8	-0.5	354	356	2	126	140	14	43	92
38.917	-72.967	NJ4	0.4	7.6	7.2	-0.1	-0.8	-0.7	323	356	33	154	140	-14	91	92
39.450	-73.000	MA	0.7±0.0	9.4	8.7	-0.1±0.4	-7.5	-7.4	81±69	78	-3	64±33	32	-32	58	59
39.267	-73.033	LT3	1.8	12.0	10.2	-1.2	-7.8	-6.6	327	340	13	135	148	13	9	70
39.267	-73.033	LT3	2.3	12.1	9.8	-1.2	-7.9	-6.7	376	340	-36	164	148	-16	19	70
39.267	-73.033	LT3	1.2	12.2	11.0	-0.6	-8.0	-7.4	363	341	-22	162	149	-13	58	70
39.917	-73.100	MESA7	1.1	6.1	5.0	0.6	-3.6	-4.2	27	31	4	34	36	2	18	68
39.917	-73.100	MESA7	1.8	5.3	3.5	0.4	-2.8	-3.2	71	32	-39	67	41	-26	38	68
39.917	-73.100	MESA7	0.4	5.3	4.9	0.4	-2.8	-3.2	33	32	-1	45	41	-4	66	68
40.483	-73.183	FIRE IS.	2.2	6.0	3.8	-0.8	-0.1	0.7	332	347	15	7	9	2	2	29
38.517	-73.233	MF	4.0±1.4	4.9	0.9	-2.3±0.8	0.9	3.2	259±61	265	6	303±30	319	16	15	234
38.550	-73.517	MC	1.3	12.6	11.3	-0.7	-3.7	-3.0	249	273	24	340	335	-5	79	80
38.733	-73.633	MB	2.7±1.0	24.9	22.2	-1.4±1.1	-20.2	-18.8	309±31	292	-17	302±74	317	15	15	60
38.733	-73.633	MB	1.7±0.2	18.5	16.8	-0.8±0.1	-14.7	-13.9	289±09	288	-1	316±14	324	8	45	60
38.733	-73.633	MB	1.6±0.7	13.4	11.8	-0.8±0.5	-10.6	-9.8	328±27	287	-41	361±22	325	-36	50	60
38.733	-73.633	MB	0.9±0.1	20.5	19.6	-0.2±0.2	-16.3	-16.1	310±03	289	-21	345±09	323	-22	54	60
38.733	-73.633	MB	1.2±0.7	19.3	18.1	-0.1±0.1	-15.4	-15.2	306±33	288	-18	327±72	324	-3	59	60
39.400	-73.717	LT2	4.1±2.3	17.3	13.2	-1.5±1.5	-14.5	-13.0	141±83	181	40	77±67	65	-12	3	34
39.400	-73.717	LT2	4.1±1.8	15.8	11.7	-0.7±1.1	-12.8	-12.1	183±47	163	-20	66±43	52	-14	15	34
39.767	-73.933	BARNEGAT	0.8	9.8	9.0	0.3	2.3	2.0	48	68	20	55	65	10	2	24
38.983	-74.033	MD	1.1±0.3	10.3	9.2	0.2±0.3	-6.7	-6.9	206±51	206	0	342±55	18	36	40	41
39.467	-74.250	L.EGG INLET	3.5	17.3	13.8	0.0	-2.9	-2.9	334	331	-3	227	233	6	5	12
39.467	-74.250	L.EGG INLET	2.8	13.5	10.7	-0.4	-1.9	-1.5	324	328	4	234	236	2	10	12
Average abs. deviation			2.8			1.8			13.7			12.8				
Standard deviation			4.3			3.1			18.0			17.2				