

Estimate using speed = 11 knots m = 0.0007 b = 0.6
 Assumes Departure 0900 24 Mar and arrival at Station 1 ~1700h

WP#	lat	lon	dep(m)	dist(nm)	steam	cast	cum days
1	40 0.7 N	70 0.4 W	158	0.0	8.0	0.7	0.7
2	39 53.9 N	69 55.8 W	701	7.6	1.5	1.1	0.8
3	39 51.5 N	69 56.0 W	1143	2.5	1.5	1.4	1.0
4	39 47.5 N	69 51.1 W	1531	5.5	1.5	1.7	1.1
5	39 42.1 N	69 48.1 W	2092	5.9	1.5	2.1	1.2
6	39 28.5 N	69 38.5 W	2418	15.4	1.5	2.3	1.4
7	39 15.5 N	69 29.4 W	2669	14.8	1.5	2.5	1.6
8	39 1.0 N	69 19.9 W	3074	16.3	1.5	2.8	1.7
9	38 47.5 N	69 11.0 W	3269	15.1	1.5	2.9	1.9
10	38 33.5 N	69 1.6 W	3477	15.8	1.5	3.0	2.1
11	38 19.8 N	68 51.7 W	3819	15.8	1.5	3.3	2.3
12	38 5.4 N	68 42.0 W	4122	16.3	1.5	3.5	2.5
13	37 51.1 N	68 32.0 W	4377	16.3	1.5	3.7	2.7
14	37 37.3 N	68 22.4 W	4619	15.8	1.5	3.8	3.0
15	37 22.9 N	68 12.9 W	4730	16.2	1.5	3.9	3.2
16	37 8.3 N	68 3.6 W	4896	16.4	1.5	4.0	3.4
17	36 53.9 N	67 54.1 W	4884	16.3	1.5	4.0	3.6
18	36 39.5 N	67 44.5 W	4960	16.3	1.5	4.1	3.9
19	36 12.1 N	67 27.1 W	4972	30.8	2.8	4.1	4.2
20	35 42.7 N	67 9.7 W	5087	32.6	3.0	4.2	4.5
21	35 13.7 N	66 52.3 W	5104	32.3	2.9	4.2	4.8
22	34 44.3 N	66 34.9 W	5208	32.6	3.0	4.2	5.1
23	34 15.5 N	66 17.5 W	5245	32.1	2.9	4.3	5.4
24	33 47.1 N	65 59.6 W	5140	32.1	2.9	4.2	5.7
25	33 21.5 N	65 35.8 W	4854	32.4	2.9	4.0	5.9
26	32 56.0 N	65 12.0 W	4681	32.4	2.9	3.9	6.2
27	32 38.9 N	64 56.2 W	3963	21.6	2.0	3.4	6.5
28	32 34.7 N	64 52.3 W	2058	5.4	1.5	2.0	6.6
29	32 33.0 N	64 50.8 W	1111	2.1	1.5	1.4	6.7
30	32 10.6 N	64 56.0 W	1678	22.8	2.1	1.8	6.9
31	32 9.6 N	64 56.4 W	2151	1.1	1.5	2.1	7.0
32	32 1.8 N	64 59.4 W	2640	8.2	1.5	2.4	7.2
33	31 54.3 N	65 2.7 W	3951	8.0	1.5	3.4	7.4
34	31 18.7 N	65 17.3 W	4682	37.7	3.4	3.9	7.7
35	30 48.1 N	65 29.7 W	4872	32.4	2.9	4.0	8.0
36	30 6.8 N	65 35.1 W	4897	41.5	3.8	4.0	8.3
37	29 25.5 N	65 40.5 W	4726	41.6	3.8	3.9	8.6
38	28 44.2 N	65 45.8 W	5245	41.5	3.8	4.3	9.0
39	28 2.9 N	65 51.1 W	5181	41.6	3.8	4.2	9.3
40	27 25.2 N	65 54.1 W	5352	37.8	3.4	4.3	9.6
41	26 47.5 N	65 57.2 W	4905	37.8	3.4	4.0	9.9
42	26 12.5 N	66 0.0 W	5250	35.1	3.2	4.3	10.3
43	25 32.6 N	66 0.0 W	5161	39.0	3.5	4.2	10.6
44	24 52.5 N	65 59.9 W	5515	40.1	3.6	4.5	10.9

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45	24	12.3	N	66	0.1	W	5389	40.2	3.7	4.4	11.2	
46	23	32.2	N	65	59.8	W	5834	40.1	3.6	4.7	11.6	
47	22	52.1	N	66	0.0	W	5831	40.0	3.6	4.7	11.9	
48	22	11.8	N	65	59.9	W	5661	40.4	3.7	4.6	12.3	
49	21	29.6	N	65	59.8	W	5513	42.2	3.8	4.5	12.6	
50	20	51.6	N	66	0.0	W	5423	38.0	3.5	4.4	13.0	
51	20	21.5	N	66	0.1	W	6014	30.1	2.7	4.8	13.3	
52	20	1.4	N	65	59.9	W	7532	20.0	1.8	4.9	13.6	
53	19	41.2	N	65	59.9	W	7430	20.0	1.8	4.9	13.8	
54	19	21.3	N	66	0.1	W	7727	19.9	1.8	4.9	14.1	
55	19	1.6	N	66	0.4	W	3873	19.7	1.8	3.3	14.3	
56	18	58.7	N	66	0.2	W	3707	2.9	1.5	3.2	14.5	
57	18	54.7	N	66	0.0	W	3031	4.0	1.5	2.7	14.7	
58	18	50.2	N	66	0.1	W	2485	4.5	1.5	2.3	14.9	
59	18	45.1	N	66	0.2	W	1957	5.2	1.5	2.0	15.0	
60	18	39.2	N	66	0.0	W	1473	5.9	1.5	1.6	15.1	
61	18	34.7	N	65	59.8	W	1059	4.5	1.5	1.3	15.3	
62	18	29.8	N	66	0.1	W	270	4.9	1.5	0.8	15.4	
63	17	57.5	N	65	8.0	W	4326	59.0	5.4	3.6	15.7	
64	17	56.3	N	65	59.9	W	442	49.4	4.5	0.9	16.0	
65	17	44.0	N	66	0.0	W	997	12.2	1.5	1.3	16.1	
66	17	42.0	N	66	0.0	W	1455	1.0	1.5	1.6	16.2	
67	17	40.0	N	66	0.0	W	1953	2.0	1.5	2.0	16.3	
68	17	37.8	N	66	0.0	W	2485	2.0	1.5	2.3	16.5	
69	17	29.6	N	66	0.1	W	3131	8.2	1.5	2.8	16.7	
70	17	21.7	N	65	59.8	W	4591	7.9	1.5	3.8	16.9	
71	17	4.1	N	66	28.4	W	4734	32.4	2.9	3.9	17.2	10 Apr
72	16	41.8	N	67	4.8	W	4687	41.4	3.8	3.9	17.5	
73	16	19.4	N	67	41.2	W	4776	41.4	3.8	3.9	17.8	
74	15	57.0	N	68	17.5	W	4256	41.4	3.8	3.6	18.1	
75	15	34.6	N	68	53.7	W	4003	41.4	3.8	3.4	18.4	
76	15	12.0	N	69	30.0	W	3901	41.7	3.8	3.3	18.7	
77	14	40.1	N	69	35.9	W	4199	32.4	2.9	3.5	19.0	
78	14	8.3	N	69	41.9	W	4741	32.4	2.9	3.9	19.3	
79	13	36.4	N	69	47.8	W	4394	32.4	2.9	3.7	19.6	
80	13	33.8	N	69	48.2	W	3959	2.7	1.5	3.4	19.8	
81	13	28.4	N	69	49.3	W	3476	5.4	1.5	3.0	20.0	13 Apr
82	13	20.5	N	69	50.7	W	3043	8.1	1.5	2.7	20.1	
83	13	12.5	N	69	52.2	W	2646	8.1	1.5	2.5	20.3	
84	13	9.8	N	69	52.7	W	2095	2.7	1.5	2.1	20.4	
85	13	4.6	N	69	53.6	W	1466	5.4	1.5	1.6	20.6	
86	12	48.6	N	69	56.6	W	1028	16.2	1.5	1.3	20.7	
87	12	40.7	N	69	58.1	W	728	8.1	1.5	1.1	20.8	
88	12	38.0	N	69	58.6	W	210	2.7	1.5	0.7	20.9	End sta work

Transit to Barbados 3 days ETA 16/17 Apr

Estimate using speed = 11 knots m = 0.0007 b = 0.6

WP# lat lon dep(m) dist(nm) steam cast cumdays

Barbados assumes 0800 departure, 2 days transit to 1st station

89	6	58.7 N	53 34.3 W	66	0.0	0.0	0.6	2.4	20 Apr
90	7	1.0 N	53 31.9 W	84	3.3	1.5	0.7	2.5	
91	7	3.7 N	53 30.5 W	88	3.0	1.5	0.7	2.5	
92	7	6.4 N	53 29.3 W	93	3.0	1.5	0.7	2.6	
93	7	9.2 N	53 28.1 W	147	3.0	1.5	0.7	2.7	
94	7	12.0 N	53 26.7 W	175	3.1	1.5	0.7	2.8	
95	7	14.5 N	53 25.3 W	199	2.9	1.5	0.7	2.9	
96	7	17.0 N	53 24.0 W	227	2.8	1.5	0.8	3.0	
97	7	19.9 N	53 22.6 W	295	3.1	1.5	0.8	3.1	
98	7	22.5 N	53 21.4 W	366	2.9	1.5	0.9	3.2	
99	7	25.3 N	53 20.0 W	433	3.1	1.5	0.9	3.3	
100	7	31.1 N	53 17.2 W	650	6.5	1.5	1.1	3.4	
101	7	36.2 N	53 15.0 W	795	5.5	1.5	1.2	3.5	
102	7	41.6 N	53 12.1 W	982	6.1	1.5	1.3	3.6	
103	7	49.1 N	53 8.5 W	1168	8.2	1.5	1.4	3.8	
104	7	56.0 N	53 4.9 W	1229	7.8	1.5	1.5	3.9	
105	8	3.5 N	53 1.3 W	1283	8.3	1.5	1.5	4.0	
106	8	11.2 N	52 57.5 W	1514	8.5	1.5	1.7	4.1	
107	8	20.0 N	52 53.3 W	2346	9.8	1.5	2.2	4.3	
108	8	29.1 N	52 49.1 W	3192	9.9	1.5	2.8	4.5	
109	8	38.0 N	52 43.9 W	4282	10.3	1.5	3.6	4.7	
110	8	47.1 N	52 39.8 W	4663	9.9	1.5	3.9	4.9	
111	8	58.7 N	52 33.8 W	4654	13.1	1.5	3.9	5.1	
112	9	11.2 N	52 27.7 W	4733	13.8	1.5	3.9	5.4	
113	9	23.1 N	52 21.9 W	4839	13.2	1.5	4.0	5.6	
114	9	38.3 N	52 21.4 W	4864	15.2	1.5	4.0	5.8	
115	9	53.0 N	52 20.9 W	4910	14.7	1.5	4.0	6.0	
116	10	9.1 N	52 18.0 W	4922	16.3	1.5	4.0	6.3	
117	10	49.1 N	52 17.7 W	4934	40.0	3.6	4.1	6.6	
118	11	29.1 N	52 17.3 W	4980	40.0	3.6	4.1	6.9	
119	12	9.1 N	52 17.0 W	5056	40.0	3.6	4.1	7.2	
120	12	49.1 N	52 16.6 W	5266	40.0	3.6	4.3	7.6	
121	13	29.1 N	52 16.3 W	5040	40.0	3.6	4.1	7.9	
122	14	9.1 N	52 15.9 W	4955	40.0	3.6	4.1	8.2	
123	14	49.1 N	52 15.6 W	5170	40.0	3.6	4.2	8.5	
124	15	29.0 N	52 15.2 W	5070	40.0	3.6	4.1	8.9	
125	16	9.0 N	52 14.9 W	5025	40.0	3.6	4.1	9.2	
126	16	49.0 N	52 14.5 W	5251	40.0	3.6	4.3	9.5	
127	17	29.0 N	52 14.1 W	5175	40.0	3.6	4.2	9.8	
128	18	9.0 N	52 13.8 W	4581	40.0	3.6	3.8	10.2	
129	18	49.0 N	52 13.4 W	4694	40.0	3.6	3.9	10.5	

130	19	29.0	N	52	13.1	W	4632	40.0	3.6	3.8	10.8	
131	20	9.0	N	52	12.7	W	5256	40.0	3.6	4.3	11.1	
132	20	49.0	N	52	12.3	W	5562	40.0	3.6	4.5	11.4	
133	21	29.0	N	52	12.0	W	5121	40.0	3.6	4.2	11.8	
134	22	9.0	N	52	11.6	W	5406	40.0	3.6	4.4	12.1	30 Apr
135	22	49.0	N	52	11.2	W	4684	40.0	3.6	3.9	12.4	
136	23	29.0	N	52	10.9	W	4696	40.0	3.6	3.9	12.7	
137	24	9.0	N	52	10.5	W	5072	40.0	3.6	4.2	13.1	
138	24	49.0	N	52	10.1	W	5205	40.0	3.6	4.2	13.4	
139	25	29.0	N	52	9.8	W	5134	40.0	3.6	4.2	13.7	
140	26	9.0	N	52	9.4	W	5277	40.0	3.6	4.3	14.0	
141	26	49.0	N	52	9.0	W	5441	40.0	3.6	4.4	14.4	
142	27	29.0	N	52	8.6	W	5509	40.0	3.6	4.5	14.7	
143	28	9.0	N	52	8.2	W	5358	40.0	3.6	4.4	15.1	
144	28	49.0	N	52	7.8	W	5108	40.0	3.6	4.2	15.4	
145	29	29.0	N	52	7.5	W	5323	40.0	3.6	4.3	15.7	
146	30	9.0	N	52	7.1	W	5695	40.0	3.6	4.6	16.1	
147	30	49.0	N	52	6.7	W	5255	40.0	3.6	4.3	16.4	
148	31	29.0	N	52	6.3	W	5413	40.0	3.6	4.4	16.7	
149	32	9.0	N	52	5.9	W	5354	40.0	3.6	4.3	17.0	
150	32	49.0	N	52	5.5	W	5070	40.0	3.6	4.1	17.4	
151	33	29.0	N	52	5.1	W	5515	40.0	3.6	4.5	17.7	
152	34	9.0	N	52	4.7	W	5245	40.0	3.6	4.3	18.0	
153	34	49.0	N	52	4.2	W	5455	40.0	3.6	4.4	18.4	
154	35	29.0	N	52	3.8	W	3698	40.0	3.6	3.2	18.7	
155	36	9.0	N	52	3.4	W	3649	40.0	3.6	3.2	18.9	
156	36	49.0	N	52	3.0	W	5446	40.0	3.6	4.4	19.3	
157	37	29.0	N	52	2.6	W	5344	40.0	3.6	4.3	19.6	
158	38	9.0	N	52	2.1	W	5393	40.0	3.6	4.4	19.9	
159	38	49.0	N	52	1.7	W	5346	40.0	3.6	4.3	20.3	
160	39	29.0	N	52	1.3	W	5285	40.0	3.6	4.3	20.6	
161	40	9.0	N	52	0.8	W	5081	40.0	3.6	4.2	20.9	
162	40	49.0	N	52	0.4	W	4336	40.0	3.6	3.6	21.2	
163	41	29.0	N	51	59.9	W	4750	40.0	3.6	3.9	21.5	
164	41	48.0	N	52	0.0	W	4291	19.0	1.7	3.6	21.8	
165	42	0.4	N	51	38.6	W	3624	20.2	1.8	3.1	22.0	
166	42	11.8	N	51	29.3	W	3278	13.3	1.5	2.9	22.2	
167	42	24.9	N	51	18.1	W	2695	15.5	1.5	2.5	22.3	
168	42	38.0	N	51	7.4	W	2076	15.3	1.5	2.1	22.5	
169	42	49.0	N	50	58.2	W	1455	12.9	1.5	1.6	22.6	
170	42	55.8	N	50	53.0	W	808	7.8	1.5	1.2	22.7	
171	43	0.8	N	50	49.0	W	190	5.8	1.5	0.7	22.8	
172	43	6.1	N	50	44.9	W	105	6.1	1.5	0.7	22.9	
173	43	10.7	N	50	40.9	W	91	5.5	1.5	0.7	23.0	
174	43	14.9	N	50	37.0	W	84	5.0	1.5	0.7	23.1	11 May

Transit to Woods Hole ~ 3 days ETA 14 May

Proposed trackline for A22 (red circles) and A20

