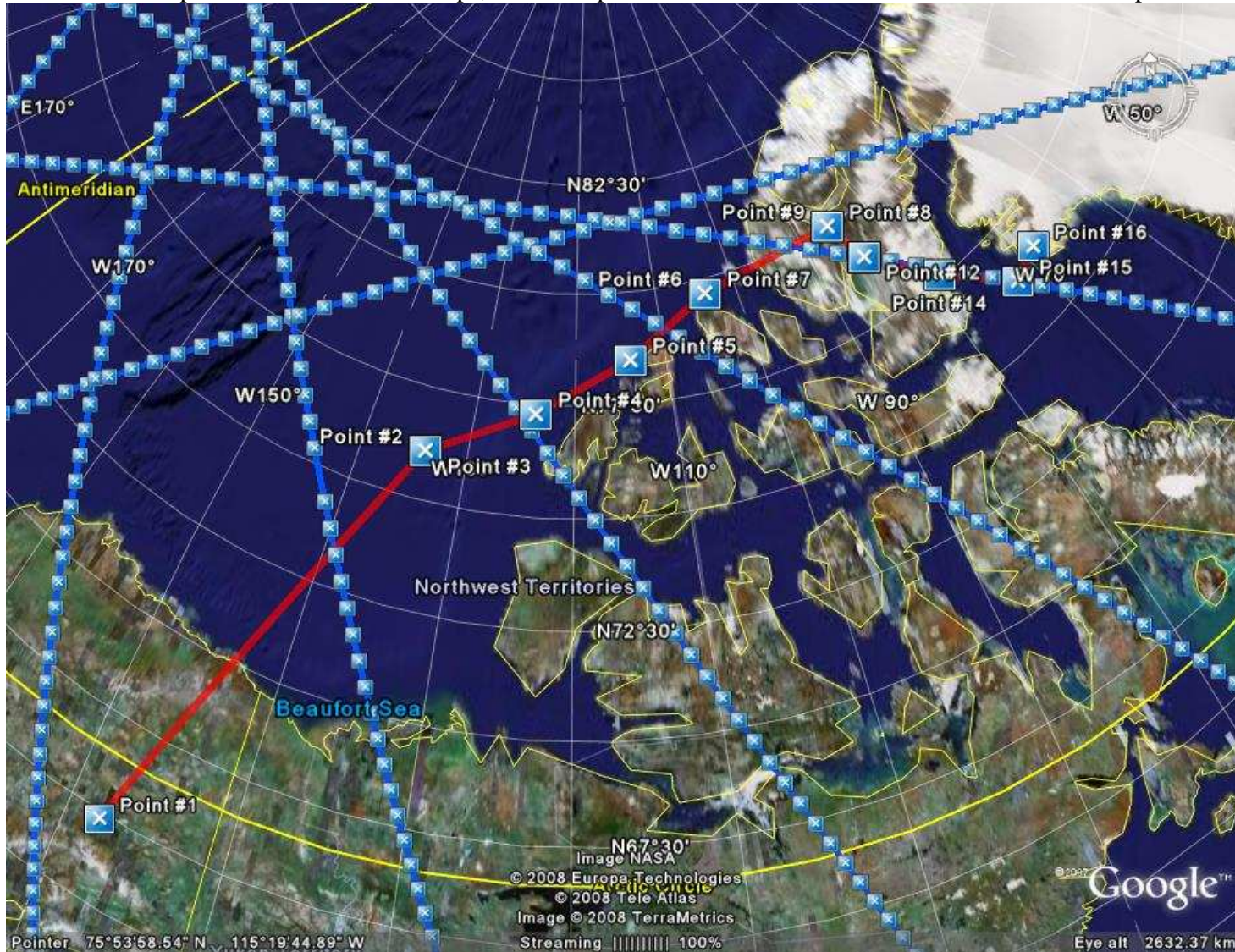


Flight Plan
P-3B ARCTAS Fairbanks-Eureka-Thule Flight
8 Apr 2008

Goals: Intercomparison w DC-8 in stairsteps, climb & spiral w DC-8 over Eureka lidar/CALIPSO track. Optional BRDF or CALIPSO transect.



Point	Lat (+-90)	Lon (+-180)	Speed (m/s)	Delay T (h:m)	Altitude (m)	Cum Leg T(h:m)	UTC (h:m)	Local T (h:m)	Leg T (h:m)	Dist (km)	Cum dist (km)	Dist (nm)	Cum dist (nm)	Speed (kt)	Altitude (kft)	Notes
1	64.814	-147.855	160	0:00	7,500	0	11:00	3:00	0	0	0	0	0	311	24.606	Fairbanks
2	76.08333	-134	160	0:00	7,500	2:21	13:21	5:21	2:21	1,346	1,346	727	727	311	24.606	
3	76.08333	-134	160	0:00	7,500	2:51	13:51	5:51	0:30	0	1,346	0	727	311	24.606	Rendezvous with DC-8
4	77.278	-124	160	0:00	5,500	3:21	14:21	6:21	0:30	288	1,634	155	882	311	18.045	Intercomparison leg 1
5	78.472	-114	160	0:00	3,000	3:49	14:49	6:49	0:28	268	1,902	145	1,027	311	9.8425	Intercomparison leg 2
6	79.667	-104	160	0:00	300	4:14	15:14	7:14	0:26	249	2,150	134	1,161	311	0.9843	Intercomparison leg 3
7	79.667	-104	160	0:00	7,500	4:34	15:34	7:34	0:20	0	2,150	0	1,161	311	24.606	Climb under DC-8
8	79.99	-85.94	160	0:00	7,500	5:11	16:11	8:11	0:37	355	2,505	192	1,353	311	24.606	Transit to Eureka
9	79.99	-85.94	160	0:00	300	5:31	16:31	8:31	0:20	0	2,505	0	1,353	311	0.9843	CALIPSO spiral at Eureka
10	78.959	-84.189	160	0:00	300	5:44	16:44	8:44	0:13	120	2,625	65	1,417	311	0.9843	BL leg south to CAR spiral location (optional)
11	78.959	-84.189	160	0:00	1,800	6:04	17:04	9:04	0:20	0	2,625	0	1,417	311	5.9055	6, 3-min CAR circles at 6000' (optional)
12	78.959	-84.189	160	0:00	600	6:24	17:24	9:24	0:20	0	2,625	0	1,417	311	1.9685	6, 3-min CAR circles at 2000' (optional)
13	78.959	-84.189	160	0:00	180	6:44	17:44	9:44	0:20	0	2,625	0	1,417	311	0.5906	6, 3-min CAR circles at 600' (optional)
14	77.6135	-78.348	160	0:00	3,000	7:05	18:05	10:05	0:21	199	2,824	108	1,525	311	9.8425	Intermediate leg #1 along CALIPSO track (optional)
15	76.268	-72.507	160	0	5,500	7:26	18:26:00	10:26	0:22	209	3,033	113	1,638	311	18.045	Intermediate leg #2 along CALIPSO track (optional)
16	76.531	-68.703	160	0	7,500	7:37	18:37	10:37	0:11	104	3,137	56	1,694	311	24.606	Thule, Greenland

P3b Flight6 to Thule April 8, 2008

