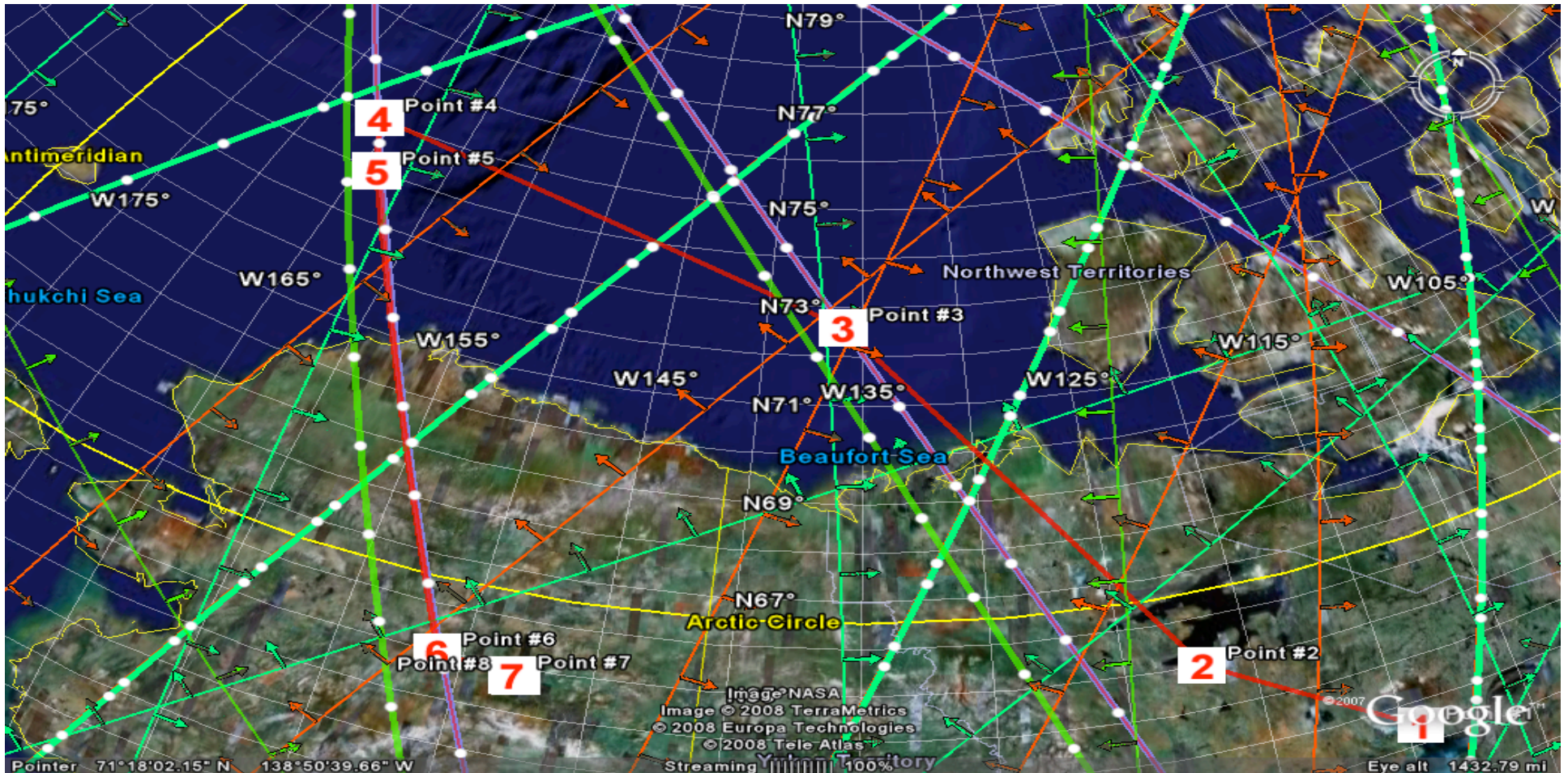


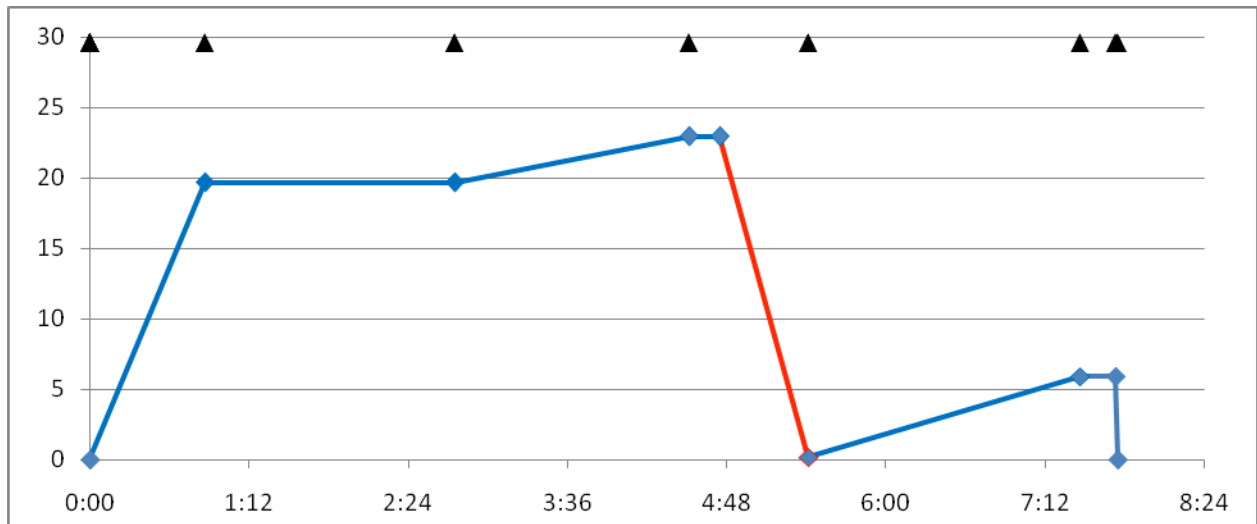
Draft Plan
P-3 ARCTAS Yellowknife-Barrow-Fairbanks Flight
1 Apr 2008

Goals: Sample haze East & North of Alaska, find & work cloud-free area near A-Train tracks. Depending on clouds, follow Track 10 back toward Fairbanks, or work between Waypoints 4 and 3 before heading to Fairbanks.



Satellite tracks for 1 Apr 2008. A-Train tracks (purple, green) thru Waypoint 3 are Track 8 at ~2048 UT. A-Train points thru Waypoints 4 & 5 are Track 10 at ~2237 UT, SZA ~67°. Terra points (green with orange FOV) nearest Barrow are Track 10 at ~2218 UT, SZA ~66°.

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	62.46833	114.4431	150	0:00	0	0	16:00	10:00	0	0	0	0	0	292	0	
2	65	-122	150	0:00	6,000	0:52	16:52	10:52	0:52	466	466	251	251	292	19.685	Transit to predicted haze/clear area
3	72.6	-136.07	150	0:00	6,000	2:45	18:45	12:45	1:53	1,011	1,476	546	797	292	19.685	Find & work cloud-free spot near CALIPSO Track 8
4	75	-166	150	0:00	7,000	4:31	20:31	14:31	1:46	954	2,430	515	1,312	292	22.966	CALIPSO Track 10
5	74	-164	150	0:40	60	5:25	21:25	15:25	0:54	126	2,556	68	1,380	292	0.1969	Follow CALIPSO Track 10 in haze layer(s)
6	65	-151	150	0:00	1,800	7:28	23:28	17:28	2:04	1,115	3,671	602	1,982	292	5.9055	Head for Fairbanks
7	64.83	-148	150	0:00	1,800	7:44	23:44	17:44	0:16	143	3,814	77	2,059	292	5.9055	Start descent into Fairbanks
8	64.81417	-147.855	150	0:00	0	7:45	23:45	17:45	0:01	7	3,821	4	2,063	292	0	Land Fairbanks



Note: In-Progress profiling in Blue; In-Place in Red; Way points annotated with triangles (▲).