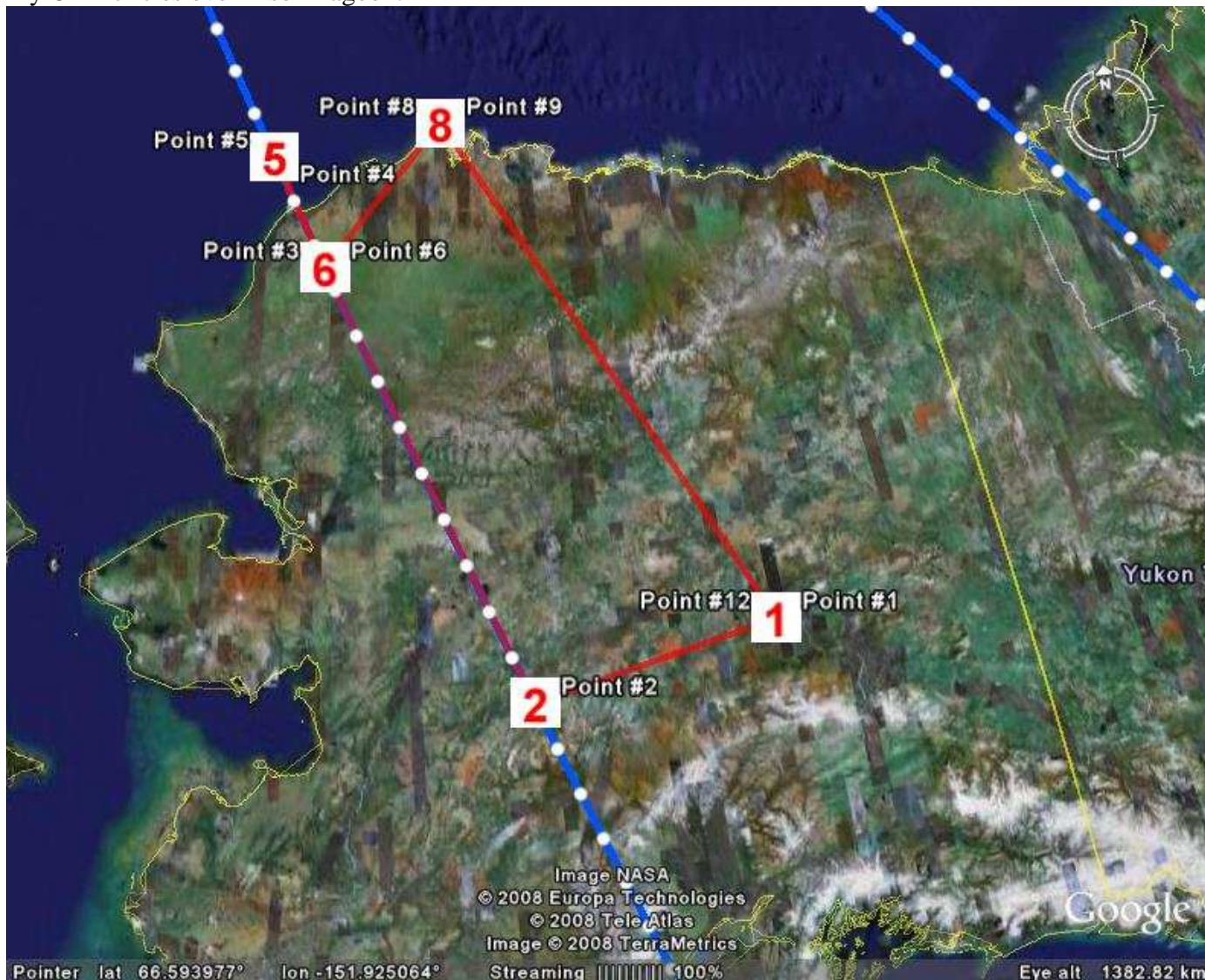


Flight Plan
P-3B ARCTAS Fairbanks-Barrow-Fairbanks Flight
6 Apr 2008 - DRAFT

Goals: Sample along CALIPSO track. Fly radiometer legs high and low. Two spirals under CALIPSO with B200.
Fly CAR circles over Elson Lagoon.



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	00:00	19:30	11:30	00:00	0	0	0	0	311	24.6	FAIRBANKS
2	64.241	-154.826	150	0:00	7,500	00:36	20:06	12:06	00:36	339	339	183	183	292	24.6	Arrive at CALIPSO track
3	64.241	-154.826	150	0:10	2,000	00:46	20:16	12:16	00:10	0	339	0	183	292	6.6	Descend to ~2000m along CALIPSO track
4	65.951	-156.411	150	0:00	2,000	01:08	20:38	12:38	00:23	204	543	110	293	292	6.6	
5	65.951	-156.411	150	0:05	4,000	01:13	20:43	12:43	00:05	0	543	0	293	292	13.1	Ascend to ~4000m along CALIPSO track
6	67.645	-158.205	150	0:00	4,000	01:36	21:06	13:06	00:23	204	747	110	403	292	13.1	
7	67.645	-158.205	150	0:05	6,000	01:41	21:11	13:11	00:05	0	747	0	403	292	19.7	Ascend to ~6000m along CALIPSO track
8	69.595	-160.625	150	0:00	6,000	02:08	21:38	13:38	00:27	238	985	128	532	292	19.7	
9	69.595	-160.625	150	0:05	7,500	02:13	21:43	13:43	00:05	0	985	0	532	292	24.6	Ascend to ~7500m at CALIPSO MARKER
10	70.966	-162.623	150	0:00	7,500	02:31	22:01	14:01	00:19	170	1,154	92	623	292	24.6	10-minute along track radiometer run at 7500m
11	70.966	-162.623	150	0:20	150	02:51	22:21	14:21	00:20	0	1,154	0	623	292	0.5	Square-Spiral descent to 150m
12	69.595	-160.625	150	0:00	150	03:10	22:40	14:40	00:19	170	1,324	92	715	292	0.5	10-minute along track radiometer run at 150m
13	69.595	-160.625	150	0:20	7,500	03:30	23:00	15:00	00:20	0	1,324	0	715	292	24.6	Circular-Spiral ascent under B200 at CALIPSO MARKER
14	69.595	-160.625	150	0:07	3,000	03:37	23:07	15:07	00:07	0	1,324	0	715	292	9.8	Descend to ~3000m along transit to BARROW
15	70.448	-158.463	150	0:00	3,000	03:51	23:21	15:21	00:14	125	1,450	68	783	292	9.8	
16	70.448	-158.463	150	0:05	5,000	03:56	23:26	15:26	00:05	0	1,450	0	783	292	16.4	Ascend to ~5000m along transit to BARROW
17	71.3	-156.300	150	0:00	5,000	04:10	23:40	15:40	00:14	123	1,573	66	849	292	16.4	
18	71.3	-156.300	150	0:10	7,500	04:20	23:50	15:50	00:10	0	1,573	0	849	292	24.6	Ascend to 7500m prior to CAR circles
19	71.3	-156.300	150	0:20	1,850	04:40	00:10	16:10	00:20	0	1,573	0	849	292	6.1	6, 3-min CAR Spiral's at 6000'
20	71.3	-156.300	150	0:20	625	05:00	00:30	16:30	00:20	0	1,573	0	849	292	2.1	6, 3-min CAR spirals at 2000'
21	71.3	-156.300	150	0:20	185	05:20	00:50	16:50	00:20	0	1,573	0	849	292	0.6	6, 3-min CAR spirals at 600'
22	69.138	-153.485	150	0:00	185	05:49	01:19	17:19	00:30	262	1,835	142	991	292	0.6	Terrain following BL run South over ANWR
23	69.138	-153.485	150	0:05	2,000	05:54	01:24	17:24	00:05	0	1,835	0	991	292	6.6	Ascend to ~2000m along transit to FAIRBANKS
24	66.976	-150.670	150	0:00	2,000	06:24	01:54	17:54	00:30	267	2,102	144	1,135	292	6.6	
25	66.976	-150.670	150	0:05	5,000	06:29	01:59	17:59	00:05	0	2,102	0	1,135	292	16.4	Ascend to ~5000m along transit to FAIRBANKS
26	64.814	-147.855	150	0:00	5,000	06:55	02:29	18:29	00:31	272	2,374	147	1,282	292	16.4	
27	64.814	-147.855	150	0:00	0	06:59	02:29	18:29	00:00	0	2,374	0	1,282	292	0.0	FAIRBANKS

