

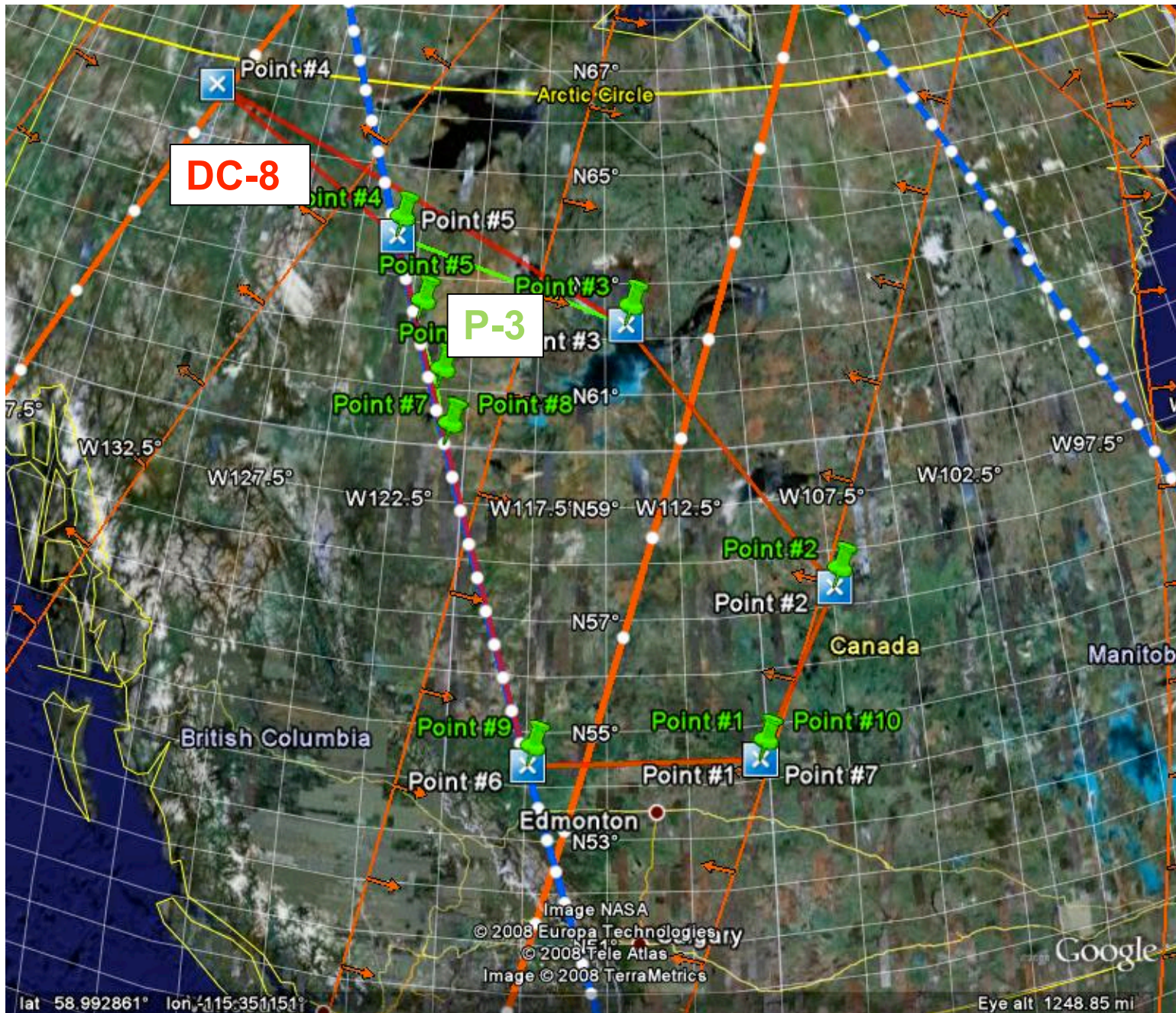
P-3B Science Flight Plan C
To be flown Sun 29 Jun 2008

Objectives

- 1) Sample/study Fires A & B (if Fire A is good for radiation, stay there & skip B)
- 2) Terra overpass (18:53 UT) during Fire B sampling
- 3) DC-8 comparison at 2 altitudes on CALIPSO track
- 4) Spiral down on CALIPSO track at CALIPSO OP (20:50 UT)

Note: Altitudes may change but general areas and objectives are as indicated.

W P #90)	Lat (+-)	Lon (+-180)	Speed (m/s)	Delay (min)	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)	Comments
1	54.400	-110.280	140	0	0	0:00	15:40	9:40	0	0	0	0	0	272	0	Take off Cold Lake
2	57.359	-107.443	135	30	7000	1:15	16:55	10:55	1:15	373	373	201.6	201.56	262	23	Fire A. Spiral down then work
3	62.270	-114.220	135	30	7000	3:07	18:47	12:47	1:52	663	1037	358.3	559.81	262	23	Fire B Terra OP 18:53
4	63.702	-123.455	150	0	300	4:08	19:48	13:48	1:01	492	1529	265.7	825.49	292	0.98	CALIPSO track N DC8 rendezvous
5	62.216	-122.198	113	0	300	4:27	20:07	14:07	0:20	177	1706	95.52	921.01	220	0.98	End 1st DC8 comparison leg
6	61.027	-121.186	113	0	6100	4:48	20:28	14:28	0:22	143	1848	76.97	997.98	220	20	End ramp up
7	60.064	-120.735	125	0	6100	5:04	20:44	14:44	0:17	110	1958	59.31	1057.3	243	20	End high comparison leg
8	60.064	-120.735	140	25	300	5:29	21:09	15:09	0:25	0	1958	0	1057.3	272	0.98	Spiral down CALIPSO OP 20:50
9	54.390	-117.452	140	0	3000	6:48	22:28	16:28	1:19	660	2619	356.6	1413.9	272	9.84	CALIPSO track S
10	54.400	-110.280	150	0	0	7:43	23:23	17:23	0:56	464	3082	250.4	1664.4	292	0	Land Cold Lake



Orange track: Terra Track 9, passing Fire B ~1853 UT, SZA 39.0.

Blue track: CALIPSO Track 10, passing WP 7 ~2050 UT, SZA 32.4.

MISR paths over GreatSlaveLk, Local Mode Site #276 (61.330, -114.610)

Path 044, Block 041

Orbit X-Track Df Time Df L

#45383 157.4 km 18:53:32 29.

#45616 157.9 km 18:53:30 15.

