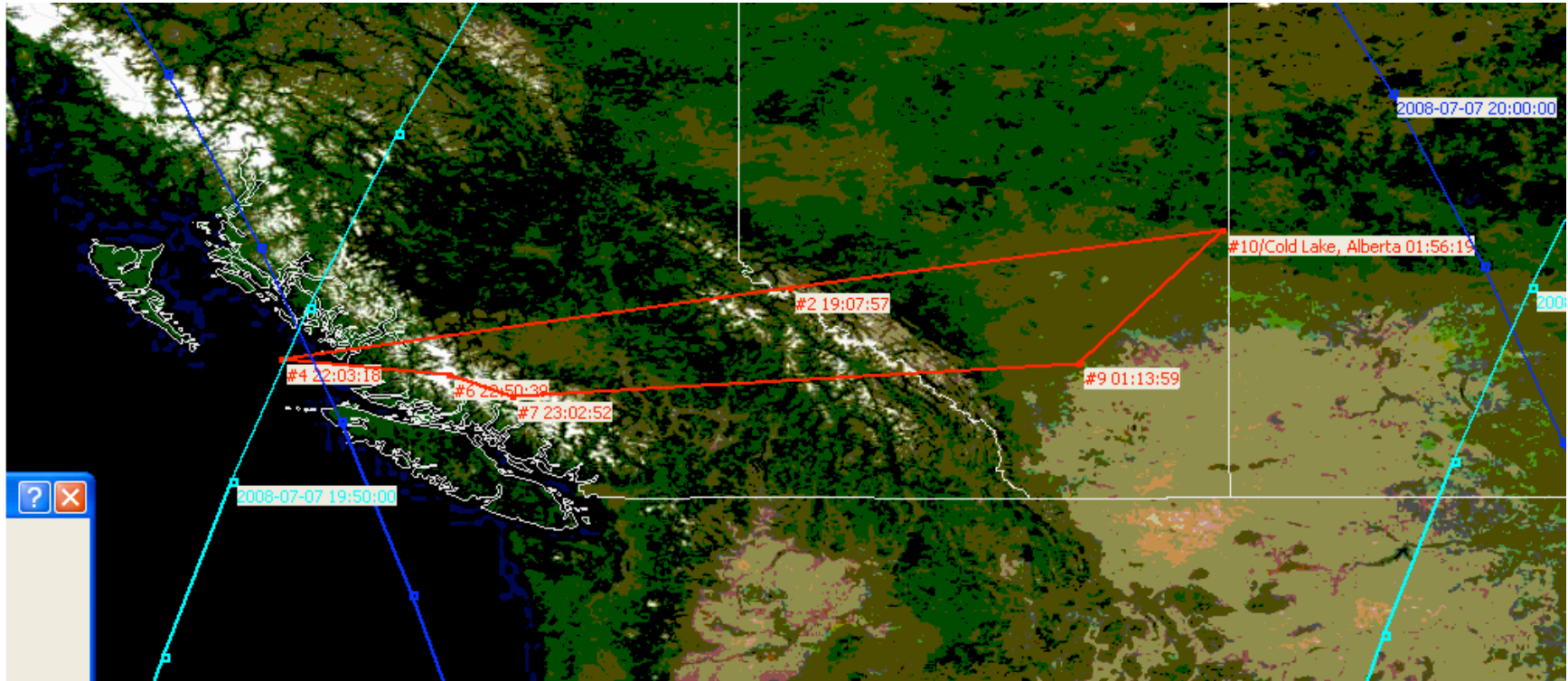


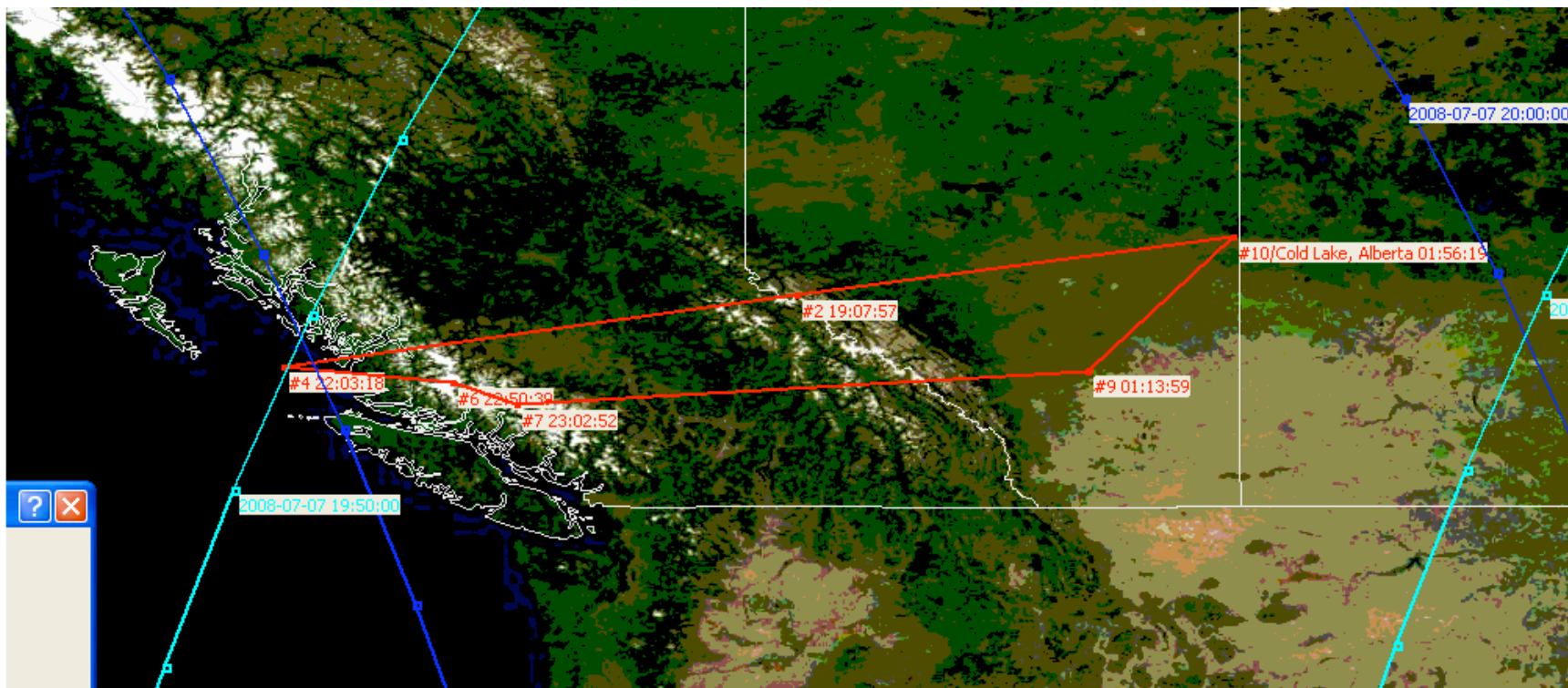
P3 Plan A Mon 7 Jul



Goals:

1. Asian-Siberian plume above low cloud in A-Train footprints (in situ, rad gradient & stack, CAR cloud BRDF, CALIPSO val, aer effects on MODIS PM cloud retrievals)
2. Ice Field BRDF
3. Clear-sky work at WP 6 as fallback.

P3 Plan A Mon 7 Jul

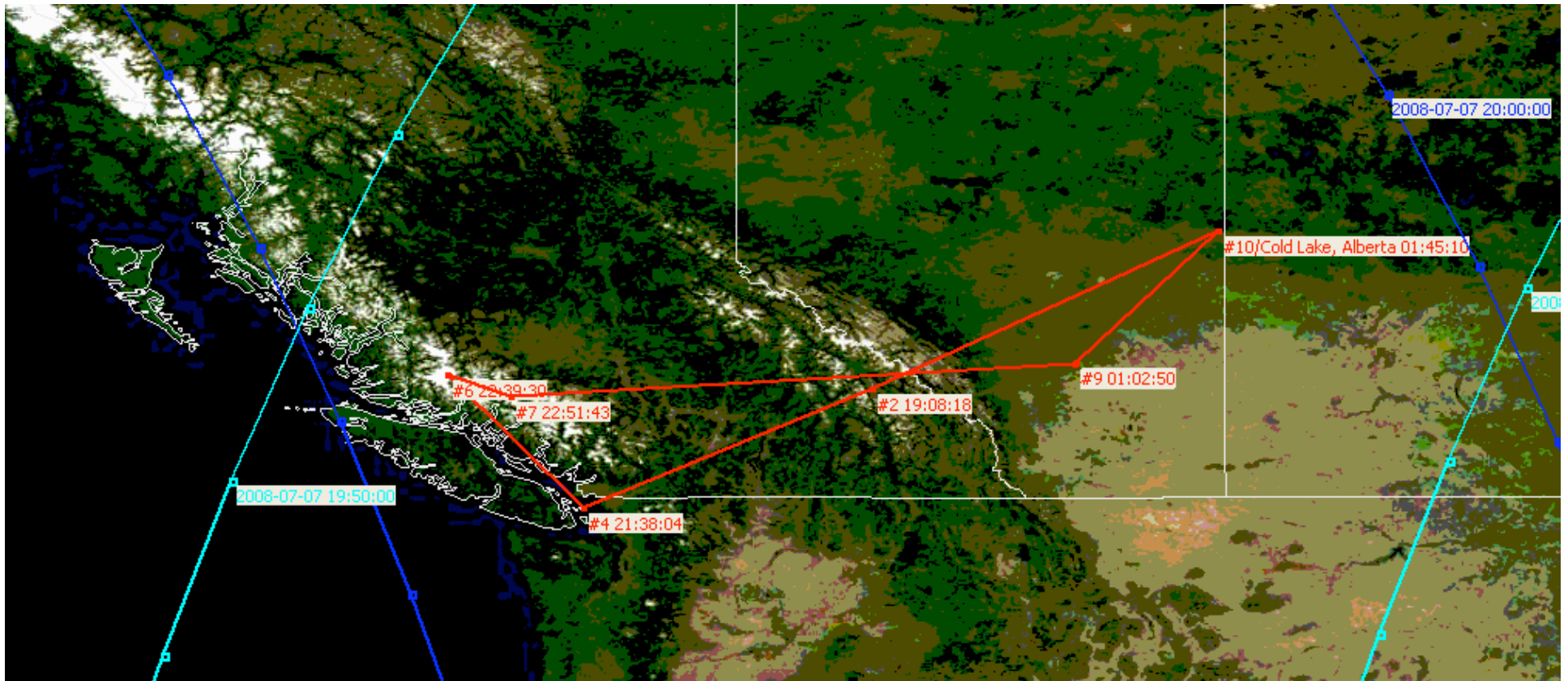


#	Lat	Lon	Speed	Speed	Alt	Alt	Delay	UTC	Local	Leg	Cum Leg	Dist	Cum Dist	Dist	Cum Dist	Comments
	(+90)	(+-180)	(m/s)	(kt)	(m)	(kft)	(m)	(h:m)	T(h:m)	T(h:m)	T(h:m)	(km)	(km)	(nm)	(nm)	
1	54_27.6	-110_9.0	145	281	0	0	0	18:00	12:00	00:00	00:00	0	0	0	0	Takeoff (after noise abatement)
2	53_16.2	-118_57.0	140	272	7000	22965	0	19:07	13:07	01:07	01:07	591	591	319	319	Alberta-BC border
3	51_50.4	-129_18.6	145	281	4000	13123	0	20:33	14:33	01:25	02:33	717	1308	387	706	Terra track (OP 19:49:30)
4	51_50.4	-129_18.6	145	281	1500	4921	90	22:03	16:03	01:30	04:03	0	1308	0	706	Radiation work above low cloud w/ CALIPSO OP 21:37)
5	51_30.0	-125_54.0	140	272	3500	11482	0	22:30	16:30	00:27	04:30	237	1546	128	834	Klinaklini ice field
6	51_30.0	-125_54.0	140	272	3200	10498	20	22:50	16:50	00:20	04:50	0	1546	0	834	CAR circle at Klinaklini
7	51_3.59	-124_36.0	140	272	4500	14763	0	23:02	17:02	00:12	05:02	102	1648	55	890	Homathko ice field
8	51_43.1	-113_4.8	140	272	4500	14763	0	00:38	18:38	01:35	06:38	801	2450	432	1323	Best chance for clear top to bottom
9	51_46.2	-113_2.4	140	272	1500	4921	35	01:13	19:13	00:35	07:13	6	2456	3	1326	Clear sky radiation work
10	54_27.6	-110_9.0	150	291	0	0	0	01:56	19:56	00:42	07:56	355	2812	192	1518	RTB home

P3 Plan A Mon 7 Jul

#	Lat	Lon	Speed	Speed	Alt	Alt	Delay	UTC	Local	Leg	Cum Leg	Dist	Cum Dist	Dist	Cum Dist	Comments
	(+90)	(+180)	(m/s)	(kt)	(m)	(kft)	(m)	(h:m)	T(h:m)	T(h:m)	T(h:m)	(km)	(km)	(nm)	(nm)	
1	54_27.6	-110_9.0	145	281	0	0	0	18:00	12:00	00:00	00:00	0	0	0	0	Takeoff (after noise abatement)
2	53_16.2	-118_57.0	140	272	7000	22965	0	19:07	13:07	01:07	01:07	591	591	319	319	Alberta-BC border
3	51_50.4	-129_18.6	145	281	4000	13123	0	20:33	14:33	01:25	02:33	717	1308	387	706	Terra track (OP 19:49:30)
4	51_50.4	-129_18.6	145	281	1500	4921	90	22:03	16:03	01:30	04:03	0	1308	0	706	Radiation work above low cloud w/ CALIPSO OP 21:37)
5	51_30.0	-125_54.0	140	272	3500	11482	0	22:30	16:30	00:27	04:30	237	1546	128	834	Klinaklini ice field
6	51_30.0	-125_54.0	140	272	3200	10498	20	22:50	16:50	00:20	04:50	0	1546	0	834	CAR circle at Klinaklini
7	51_3.59	-124_36.0	140	272	4500	14763	0	23:02	17:02	00:12	05:02	102	1648	55	890	Homathko ice field
8	51_43.1	-113_4.8	140	272	4500	14763	0	00:38	18:38	01:35	06:38	801	2450	432	1323	Best chance for clear top to bottom
9	51_46.2	-113_2.4	140	272	1500	4921	35	01:13	19:13	00:35	07:13	6	2456	3	1326	Clear sky radiation work
10	54_27.6	-110_9.0	150	291	0	0	0	01:56	19:56	00:42	07:56	355	2812	192	1518	RTB home

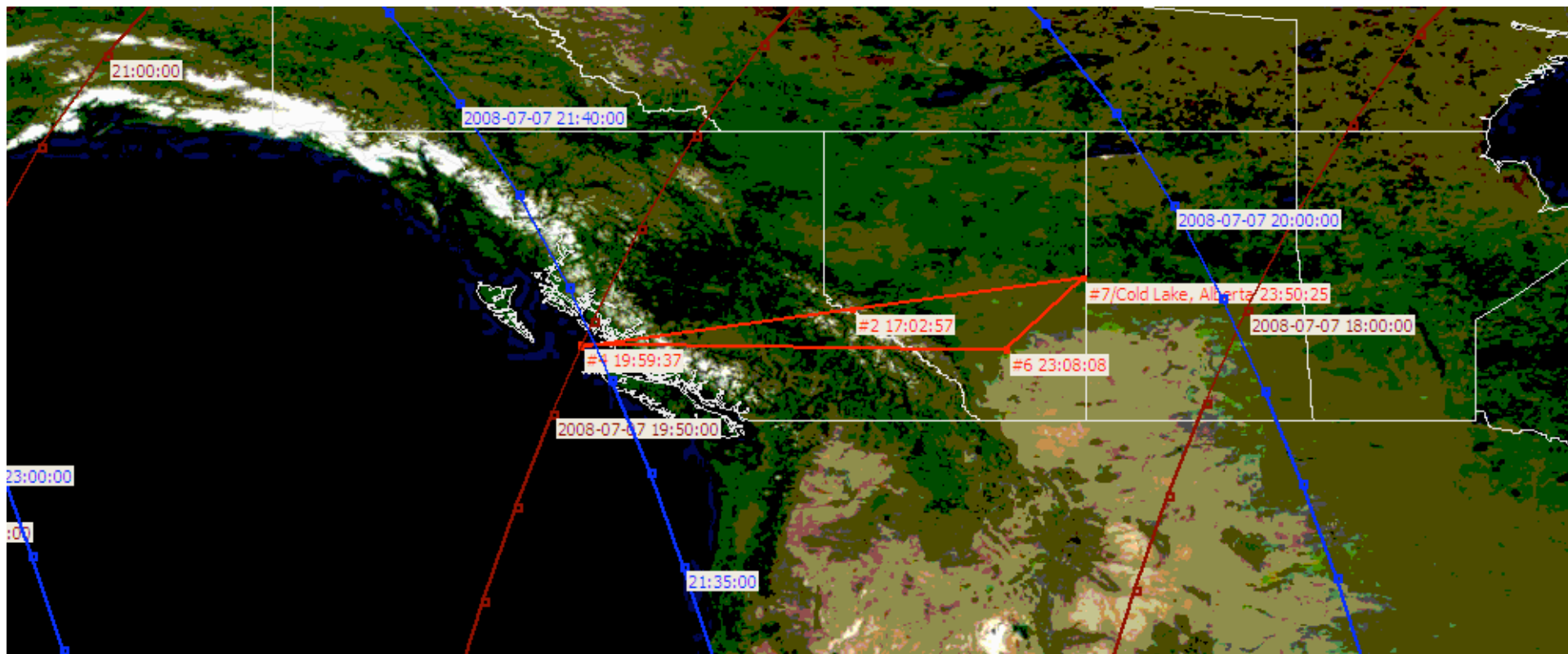
P3 Plan B Mon 7 Jul



Goals:

1. Asian-Siberian plume above Saturn Island AERONET (in situ-AATS spiral, rad gradient & stack, CAR-AERONET)
2. Ice Field BRDF
3. Clear-sky work at WP 6 as fallback.

P3 Plan B Mon 7 Jul



#	Lat	Lon	Speed	Speed	Alt	Alt	Delay	UTC	Local	Leg	Cum Leg	Dist	Cum Dist	Dist	Cum Dist	Comments
	(+/-90)	(+/-180)	(m/s)	(kt)	(m)	(kft)	(m)	(h:m)	T(h:m)	T(h:m)	T(h:m)	(km)	(km)	(nm)	(nm)	
1	54_27.6	-110_9.0	145	281	0	0	0	18:00	12:00	00:00	00:00	0	0	0	0	PlanB Takeoff (after noise abatement)
2	51_14.3	-117_13.2	140	272	7000	22965	0	19:08	13:08	01:08	01:08	594	594	320	320	Alberta-BC border
3	48_46.8	-123_7.80	145	281	4000	13123	0	20:08	14:08	00:59	02:08	502	1096	271	591	Saturn I. AERONET
4	48_46.8	-123_7.80	145	281	1500	4921	90	21:38	15:38	01:30	03:38	0	1096	0	591	Saturn I. AERONET
5	51_30.0	-125_54.0	140	272	3500	11482	0	22:19	16:19	00:41	04:19	360	1456	194	786	Klinaklini ice field
6	51_30.0	-125_54.0	140	272	3200	10498	20	22:39	16:39	00:20	04:39	0	1456	0	786	CAR circle at Klinaklini
7	51_3.59	-124_36.0	140	272	4500	14763	0	22:51	16:51	00:12	04:51	102	1559	55	842	Homathko ice field
8	51_43.1	-113_4.8	140	272	4500	14763	0	00:27	18:27	01:35	06:27	801	2360	432	1274	Best chance for clear top to bottom
9	51_46.2	-113_2.4	140	272	1500	4921	35	01:02	19:02	00:35	07:02	6	2367	3	1278	Clear sky radiation work
10	54_27.6	-110_9.0	150	291	0	0	0	01:45	19:45	00:42	07:45	355	2722	192	1470	RTB home

P3 Plan B Mon 7 Jul

#	Lat	Lon	Speed	Speed	Alt	Alt	Delay	UTC	Local	Leg	Cum Leg	Dist	Cum Dist	Dist	Cum Dist	Comments
	(+90)	(+180)	(m/s)	(kt)	(m)	(kft)	(m)	(h:m)	T(h:m)	T(h:m)	T(h:m)	(km)	(km)	(nm)	(nm)	
1	54_27.6	-110_9.0	145	281	0	0	0	18:00	12:00	00:00	00:00	0	0	0	0	PlanB Takeoff (after noise abatement)
2	51_14.3	-117_13.2	140	272	7000	22965	0	19:08	13:08	01:08	01:08	594	594	320	320	Alberta-BC border
3	48_46.8	-123_7.80	145	281	4000	13123	0	20:08	14:08	00:59	02:08	502	1096	271	591	Saturn I. AERONET
4	48_46.8	-123_7.80	145	281	1500	4921	90	21:38	15:38	01:30	03:38	0	1096	0	591	Saturn I. AERONET
5	51_30.0	-125_54.0	140	272	3500	11482	0	22:19	16:19	00:41	04:19	360	1456	194	786	Klinaklini ice field
6	51_30.0	-125_54.0	140	272	3200	10498	20	22:39	16:39	00:20	04:39	0	1456	0	786	CAR circle at Klinaklini
7	51_3.59	-124_36.0	140	272	4500	14763	0	22:51	16:51	00:12	04:51	102	1559	55	842	Homathko ice field
8	51_43.1	-113_4.8	140	272	4500	14763	0	00:27	18:27	01:35	06:27	801	2360	432	1274	Best chance for clear top to bottom
9	51_46.2	-113_2.4	140	272	1500	4921	35	01:02	19:02	00:35	07:02	6	2367	3	1278	Clear sky radiation work
10	54_27.6	-110_9.0	150	291	0	0	0	01:45	19:45	00:42	07:45	355	2722	192	1470	RTB home