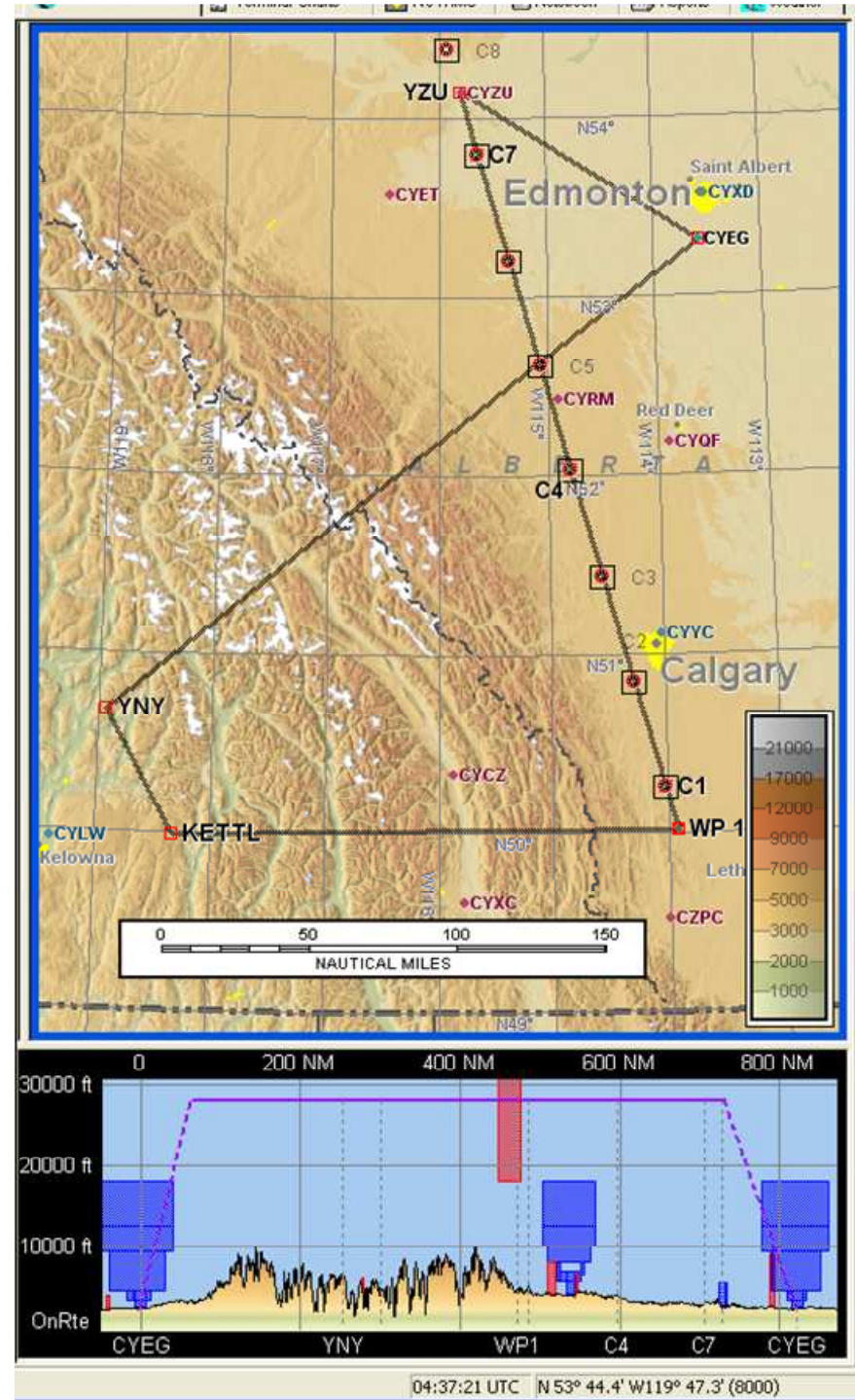


July 8 B200 Morning Flight

- Take off: 8:00 LT, 1400 UT
- Objectives:
 - Measure Siberian smoke over SW Alberta and BC
 - Measure smoke in valleys in BC
- Need to complete this flight in time to refuel back in Edmonton and execute Plan B to pick up CALIPSO track (see next page)
- Smoke expected to be heaviest near Canada/US border
- Legs can be adjusted to get PP for RSP
- Legs may require adjustment for Edmonton and Calgary ATC



FliteStar/FliteMap generated flight plan.

WPT S WP1 N 50 0.73 W 113 54.71

WPT S C1 N 50 15.11 W 114 0.53

WPT S C4 N 52 1.54 W 114 47.58

WPT S C7 N 53 47.69 W 115 37.87

FPL 00

FWP p a CYEG N 53 18.58 W 113 34.78 28000

FWP p v YNY N 50 40.67 W 118 56.35 28000

FWP p i KETTLE N 49 59.02 W 118 19.12 28000

FWP u s WP1 N 50 0.73 W 113 54.71 28000

FWP u s C1 N 50 15.11 W 114 0.53 28000

FWP u s C4 N 52 1.54 W 114 47.58 28000

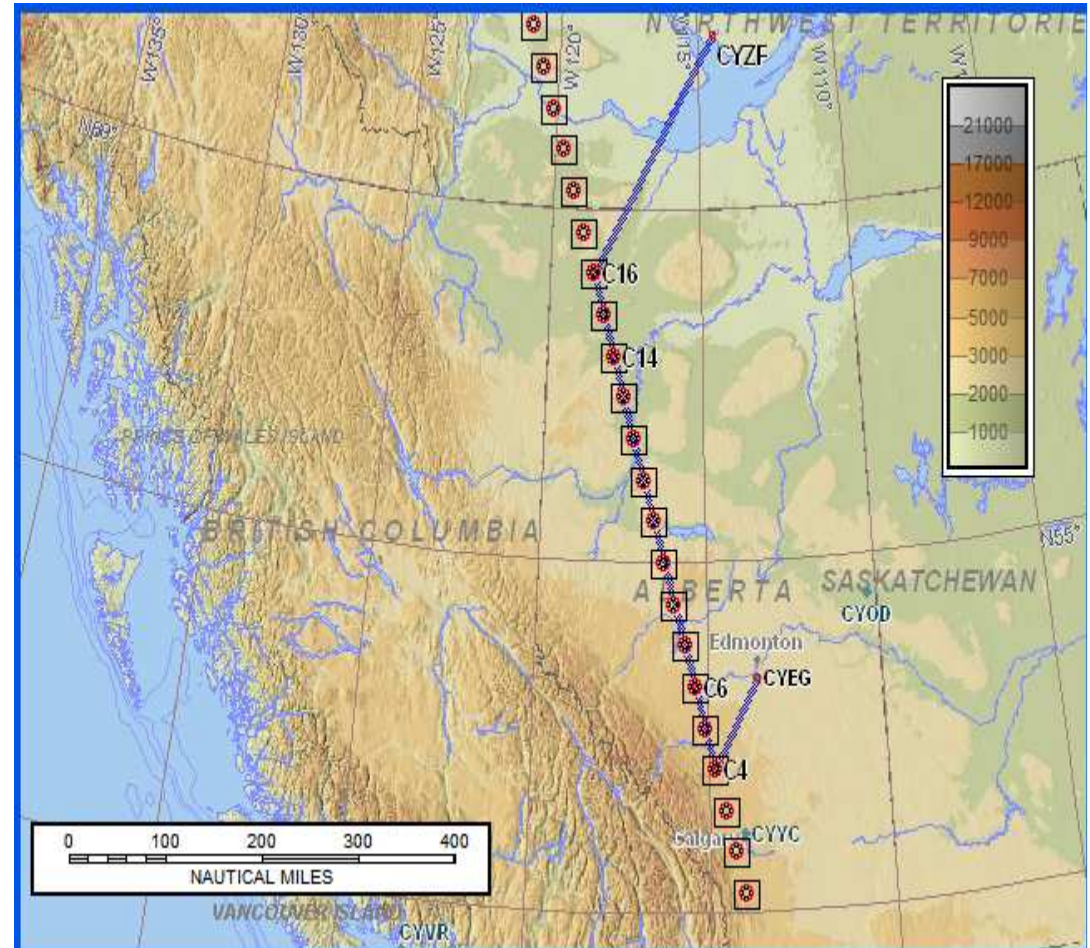
FWP u s C7 N 53 47.69 W 115 37.87 28000

FWP p v YZU N 54 8.73 W 115 47.83 28000

FWP p a CYEG N 53 18.58 W 113 34.78 2373

July 8 B200 Afternoon Flight

- Takeoff: 1:15 LT, 1715 UT
- Three objectives:
 - CALIPSO Val
 - measure Siberian smoke over CALIPSO track (~5 km altitude)
 - return to Yellowknife
- Expectation is for more aerosols to be over southern part of track so that is why pattern dips to the south before going north



FliteStar/FliteMap generated flight plan.

WPT S C4 N 52 1.54 W 114 47.58
WPT S C6 N 53 12.34 W 115 20.72
WPT S C7 N 53 47.69 W 115 37.87
WPT S C8 N 54 23.01 W 115 55.45
WPT S C10 N 55 33.53 W 116 31.92
WPT S C14 N 57 54.10 W 117 50.87
WPT S C16 N 59 4.10 W 118 33.80

FPL 00

FWP p a CYEG N 53 18.58 W 113 34.78 28000
FWP p i DALLY N 51 36.77 W 114 46.58 28000
FWP u s C4 N 52 1.54 W 114 47.58 28000
FWP u s C6 N 53 12.34 W 115 20.72 28000
FWP u s C7 N 53 47.69 W 115 37.87 28000
FWP u s C8 N 54 23.01 W 115 55.45 28000
FWP u s C10 N 55 33.53 W 116 31.92 28000
FWP u s C14 N 57 54.10 W 117 50.87 28000
FWP u s C16 N 59 4.10 W 118 33.80 28000
FWP p i VERKA N 59 44.80 W 118 47.30 28000
FWP p a CYZF N 62 27.77 W 114 26.42 28000