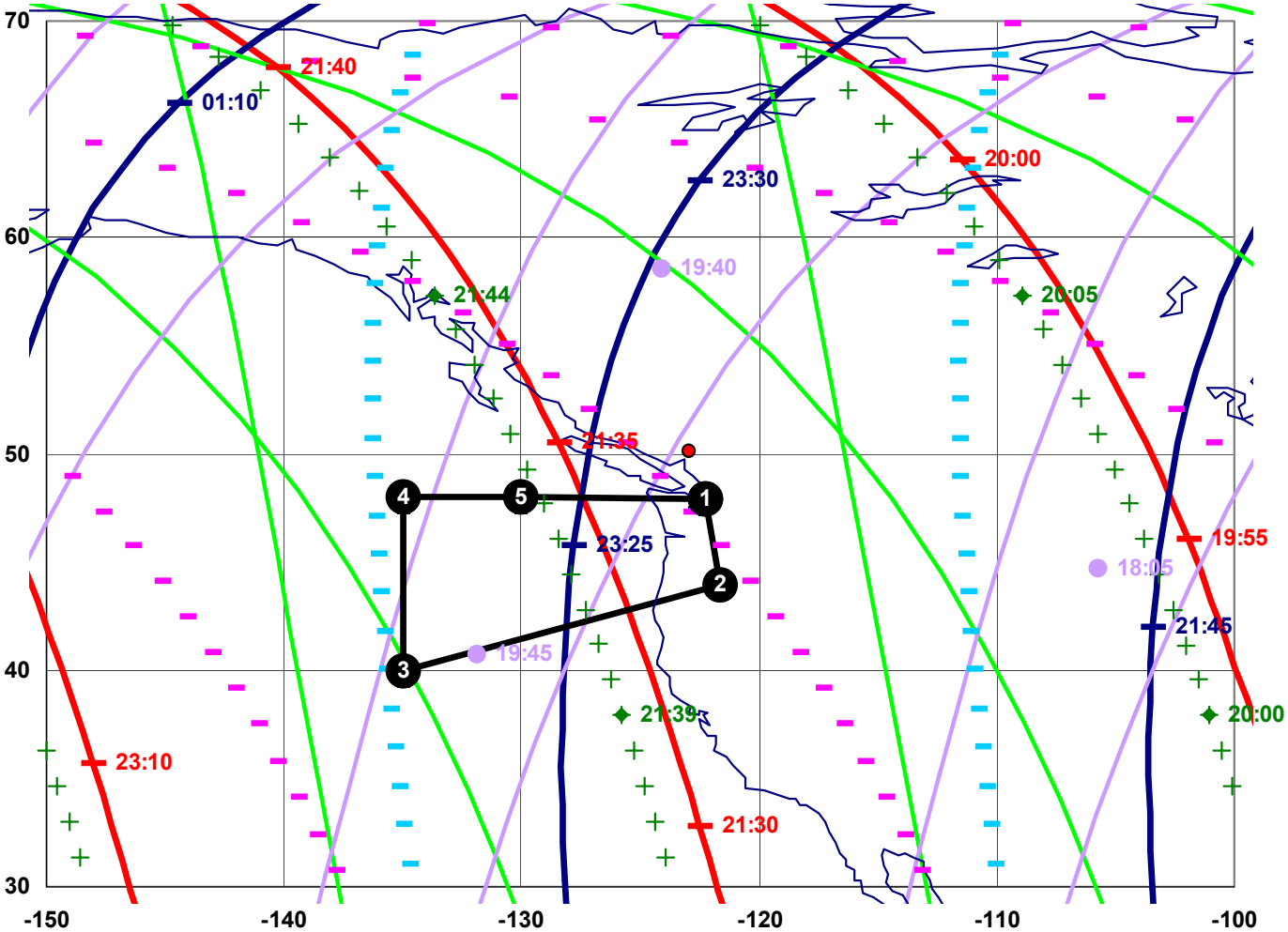
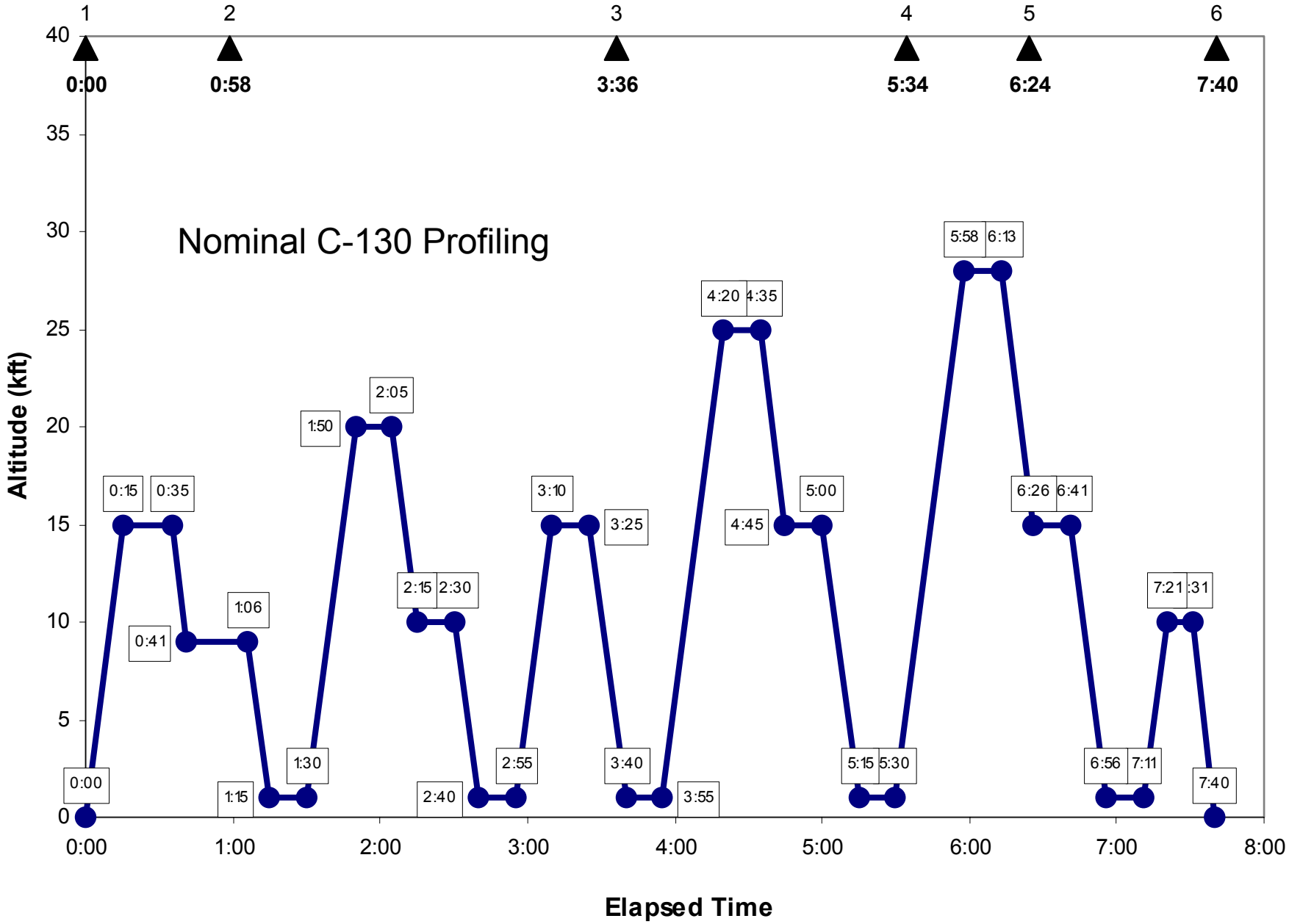


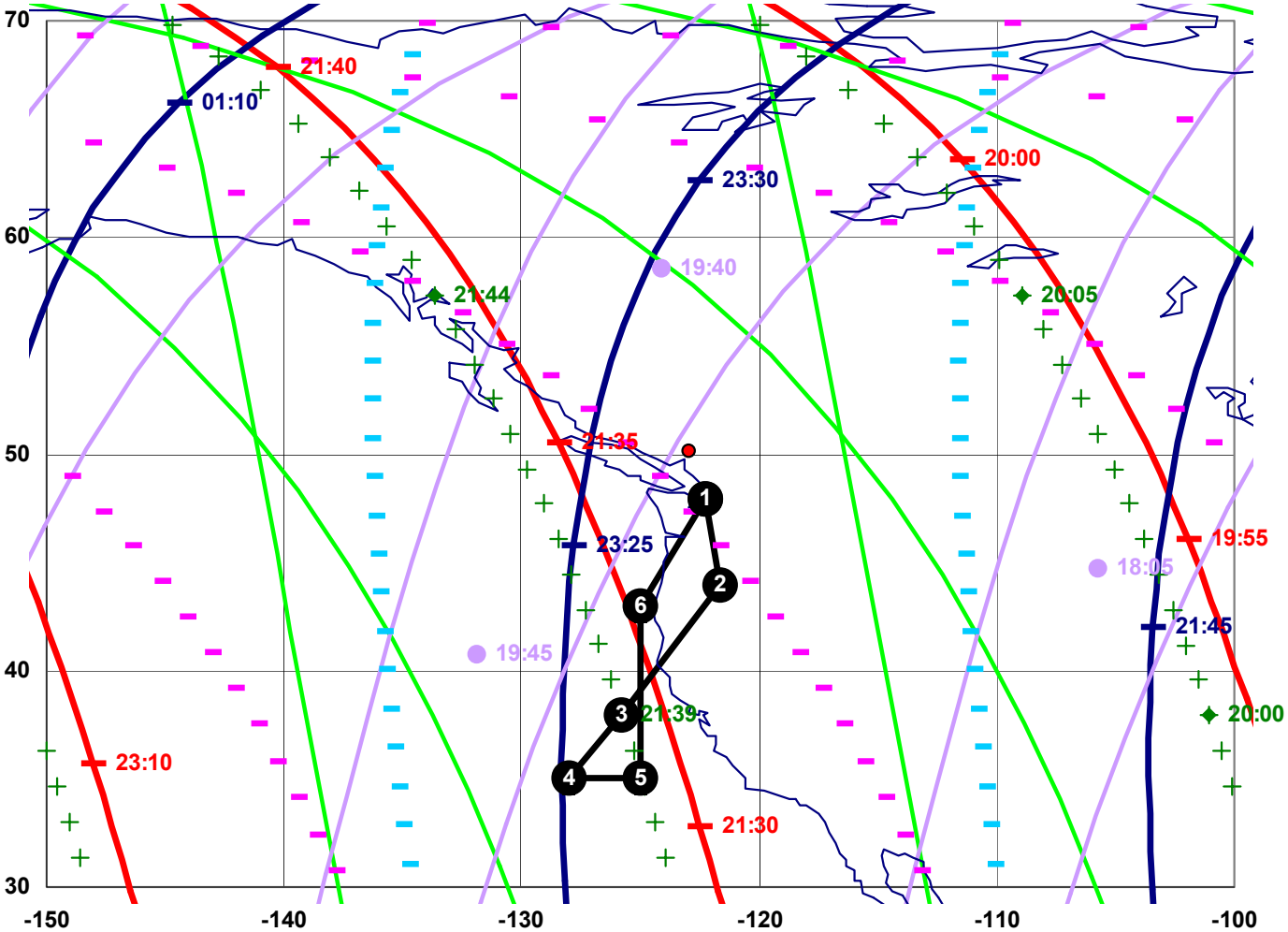
Tentative C-130 flight plan for Friday, 21 April Takeoff: 1000 local

- MLS
- MLS timing
- HIRDLS
- HIRDLS timing
- TES
- TES timing
- TES-Special
- TES-Special timing
- TES-Limb
- OMI-East Edge
- OMI-West Edge
- AIRS swath
- MOPITT timing
- MOPITT swath
- Ground Sites
- C-130 Flight Path

Way Point	Latitude	Longitude	Cum. Flt. Time	Leg Flt. Time	Local Time	UTC	Spiral	Note
1	47.906	-122.282	0:00	0:00	10:00	17:00		
2	43.979	-121.687	0:58	0:58	10:58	17:58		Mt. Bachelor Flyby
3	40	-135	3:36	2:37	13:36	20:36		
4	48	-135	5:34	1:58	15:34	22:34		
5	48	-130	6:24	0:49	16:24	23:24		Delay TBD Air Motion Calibration Maneuvers
6	47.906	-122.282	7:40	1:16	17:40	0:40		



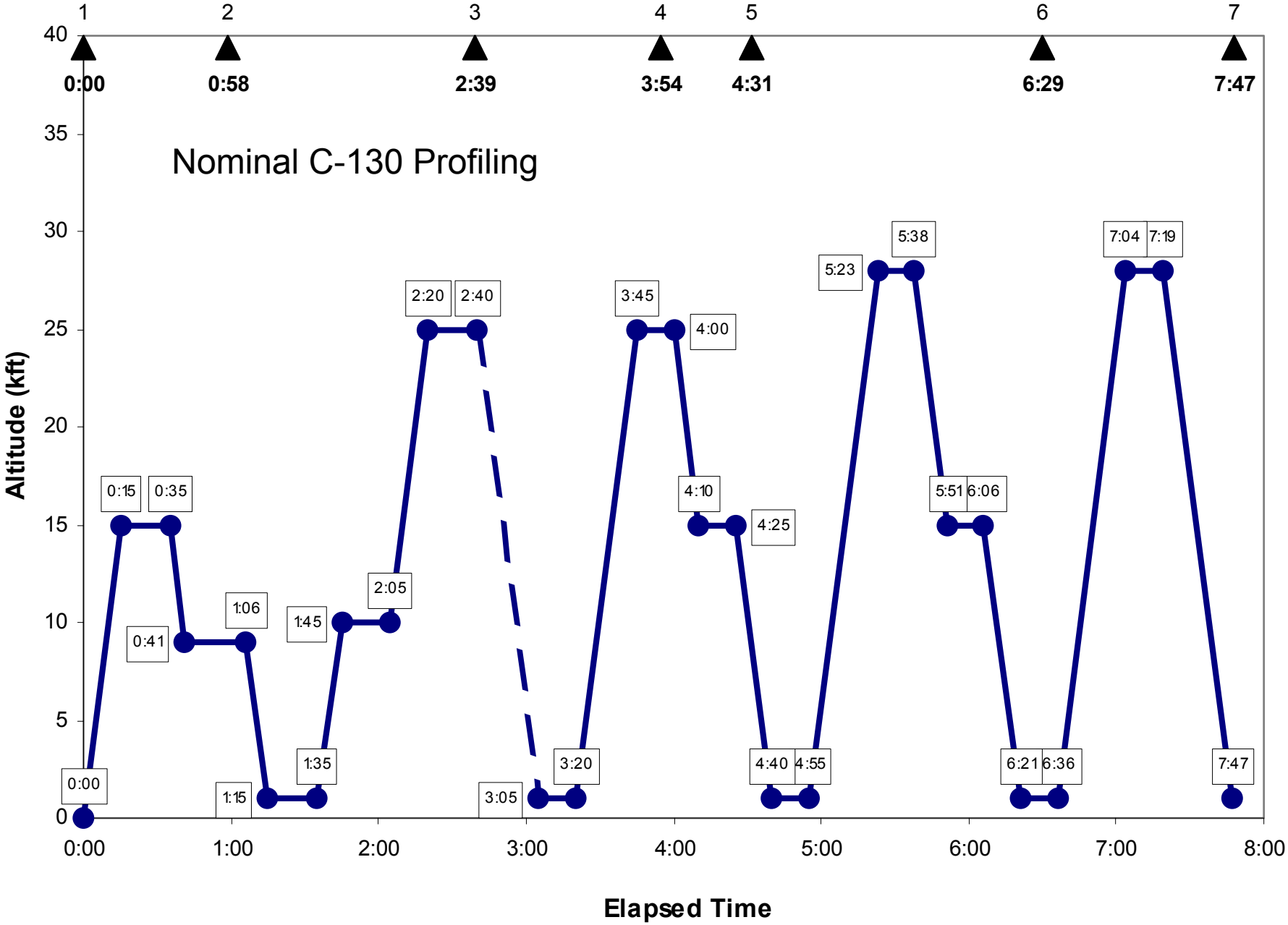
Note: In-Progress profiling in solid lines; Spirals in dashed lines; Way points annotated with triangles.



Tentative C-130 flight plan for Saturday, 21 April Takeoff: 1145 local

- MLS
- MLS timing
- HIRDLS
- HIRDLS timing
- TES
- TES timing
- TES-Special
- TES-Special timing
- TES-Limb
- OMI-East Edge
- OMI-West Edge
- AIRS swath
- MOPITT timing
- MOPITT swath
- Ground Sites
- C-130 Flight Path

Way Point	Latitude	Longitude	Cum. Time	Leg Time	Local Time	UTC	Spiral	Note
1	47.906	-122.282	0:00	0:00	11:45	18:45		
2	43.979	-121.687	0:58	0:58	12:43	19:43		Mt. Bachelor Flyby
3	37.926	-125.762	2:39	1:40	14:24	21:24	0:25	TES/OMI Spiral
4	35	-128	3:54	0:50	15:39	22:39		
5	35	-125	4:31	0:36	16:16	23:16		
6	43	-125	6:29	1:58	18:14	1:14		
7	47.906	-122.282	7:47	1:17	19:32	2:32		

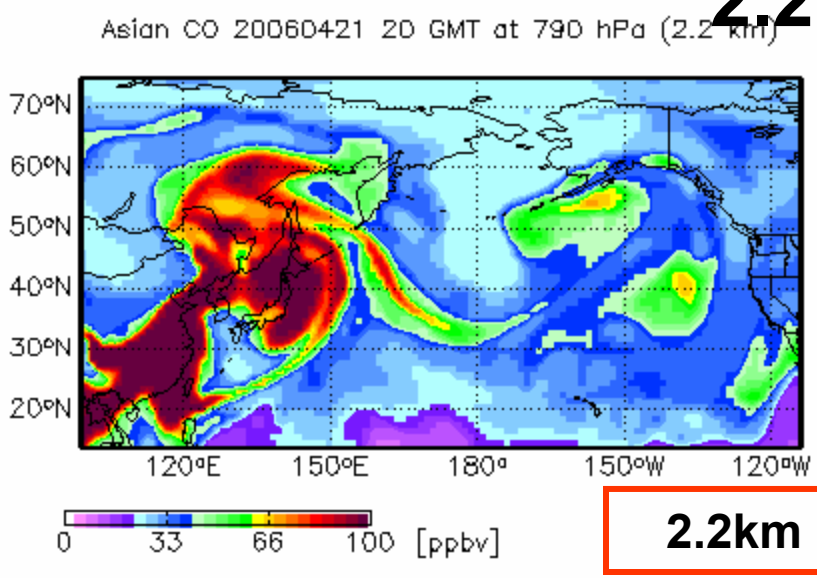


Note: In-Progress profiling in solid lines; Spirals in dashed lines; Way points annotated with triangles.

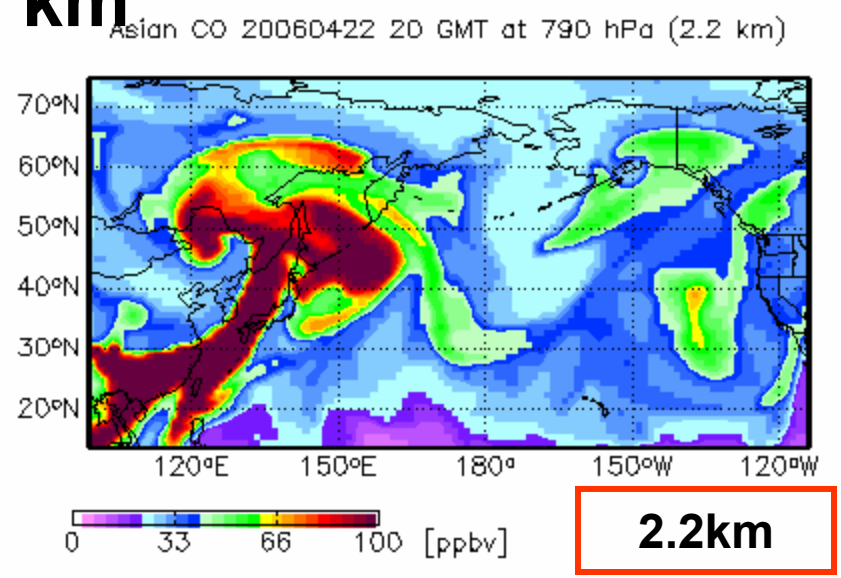
GMAO Asian CO: 2.2 & 4.2 km

Fri 4/21 20Z

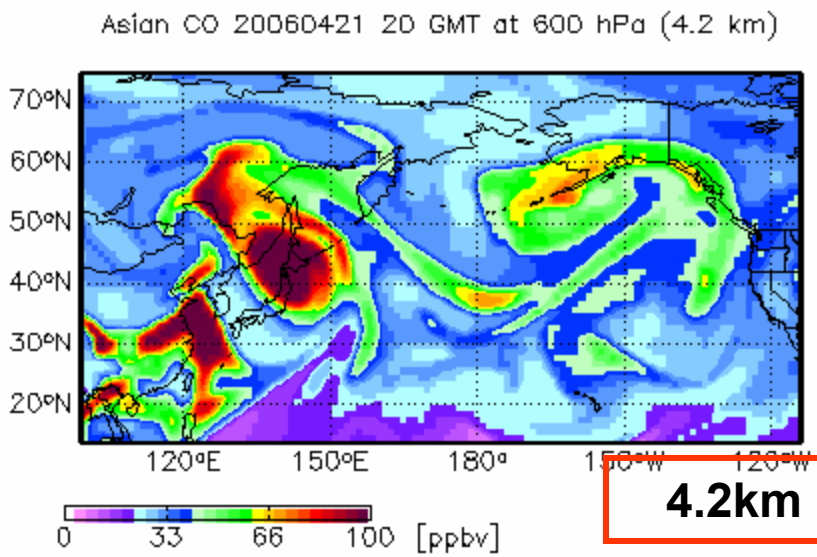
Sat 4/22 20Z



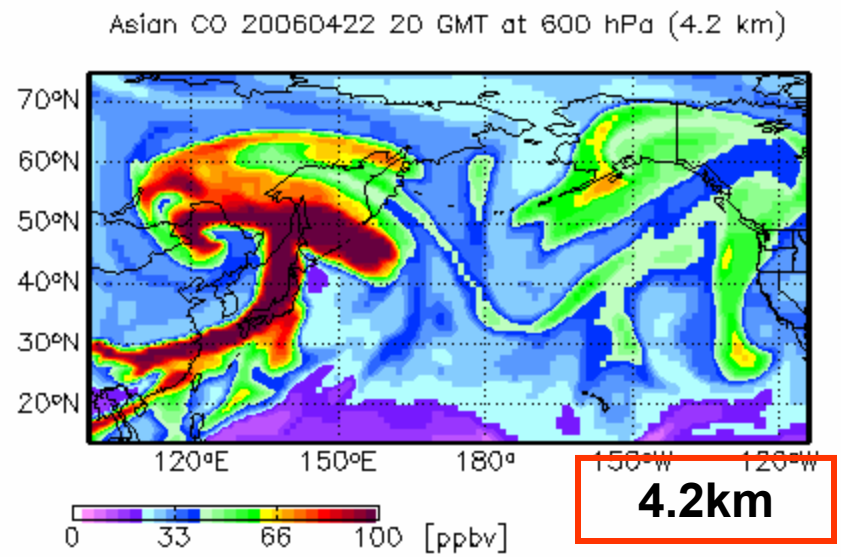
2.2km



2.2km



4.2km



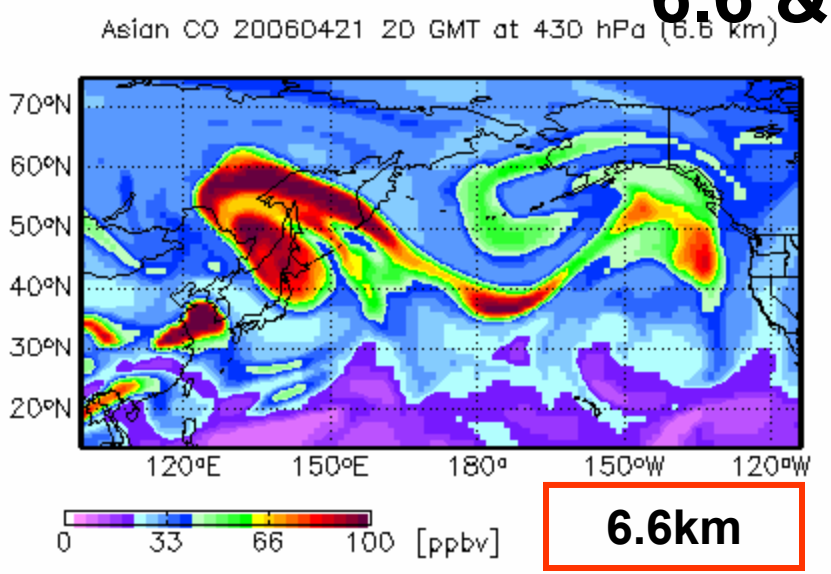
4.2km

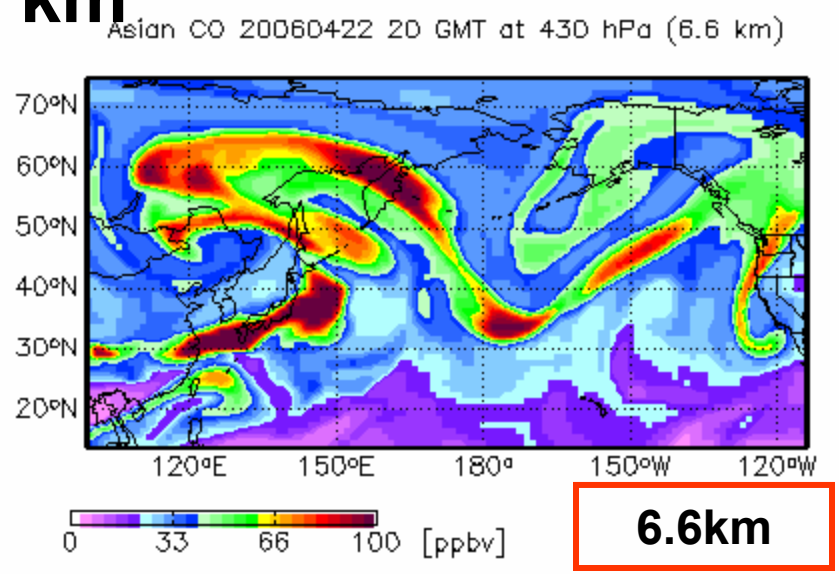
Initialized 4/18 0Z

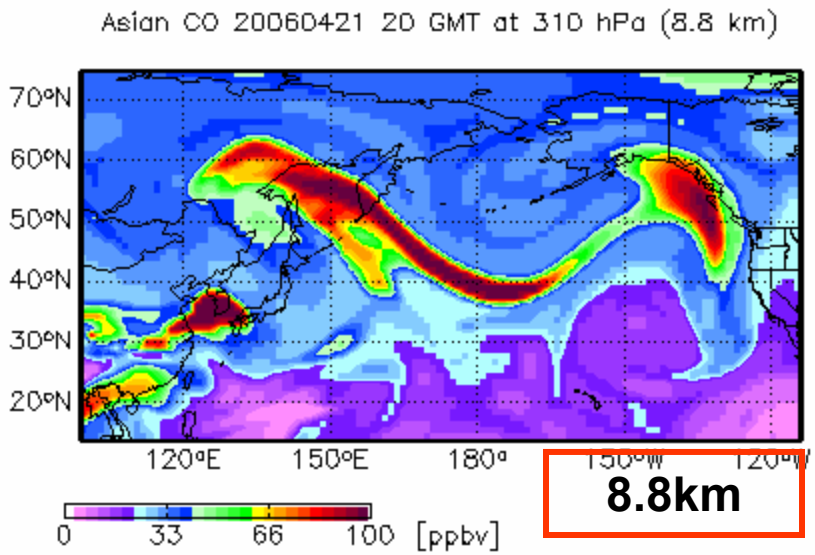
GMAO Asian CO: 6.6 & 8.8 km

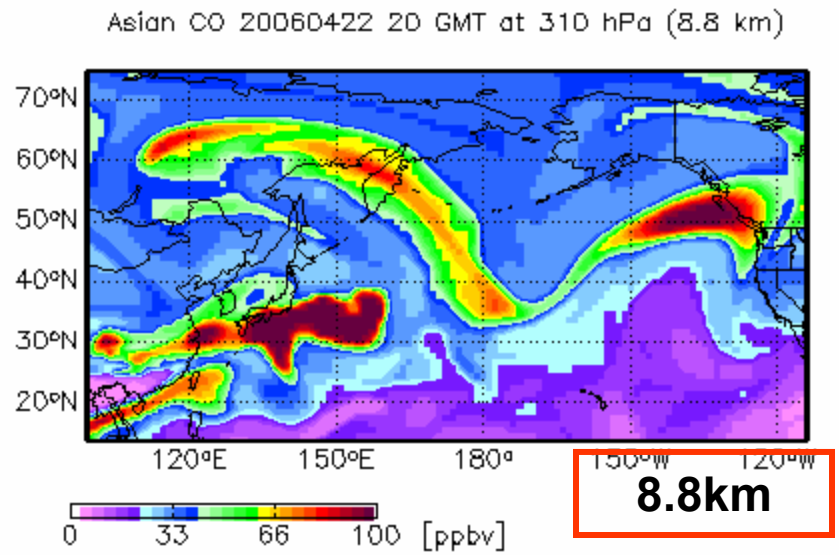
Fri 4/21 20Z

Sat 4/22 20Z





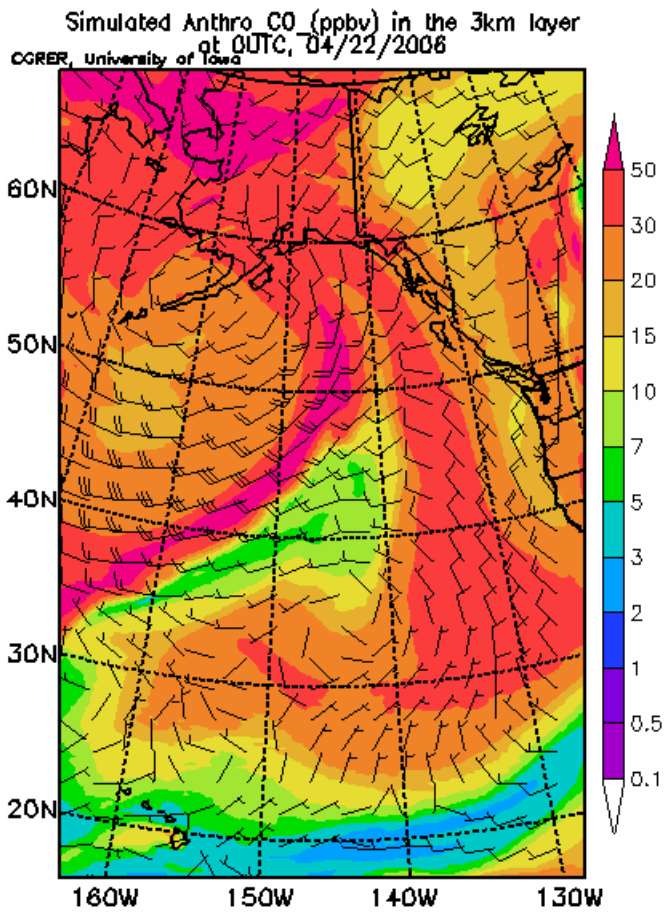


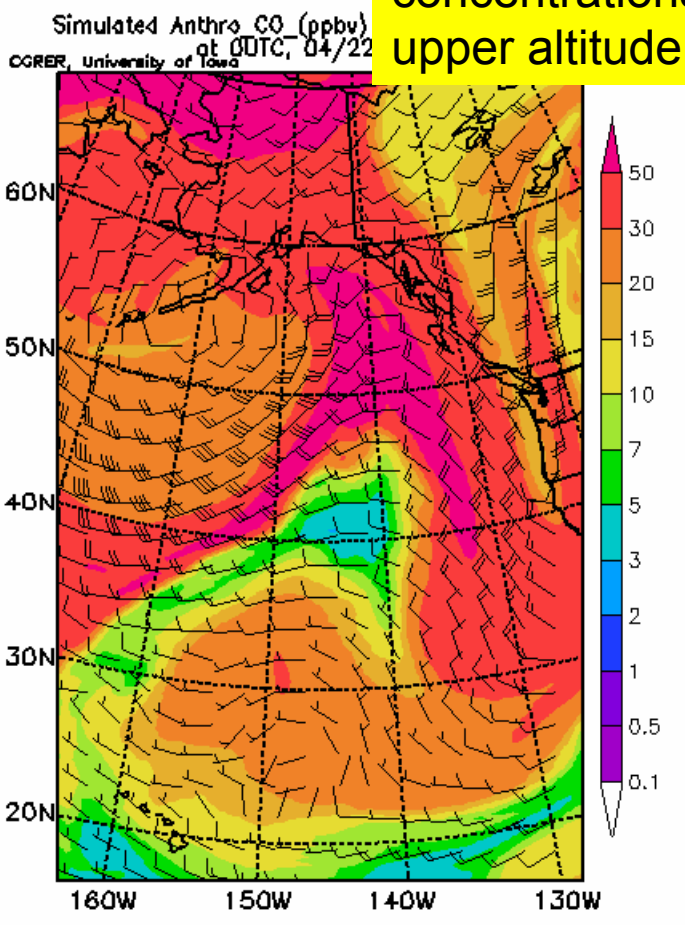


Initialized 4/18 0Z

04-21-06

Feature continues, with higher concentrations in upper altitude.

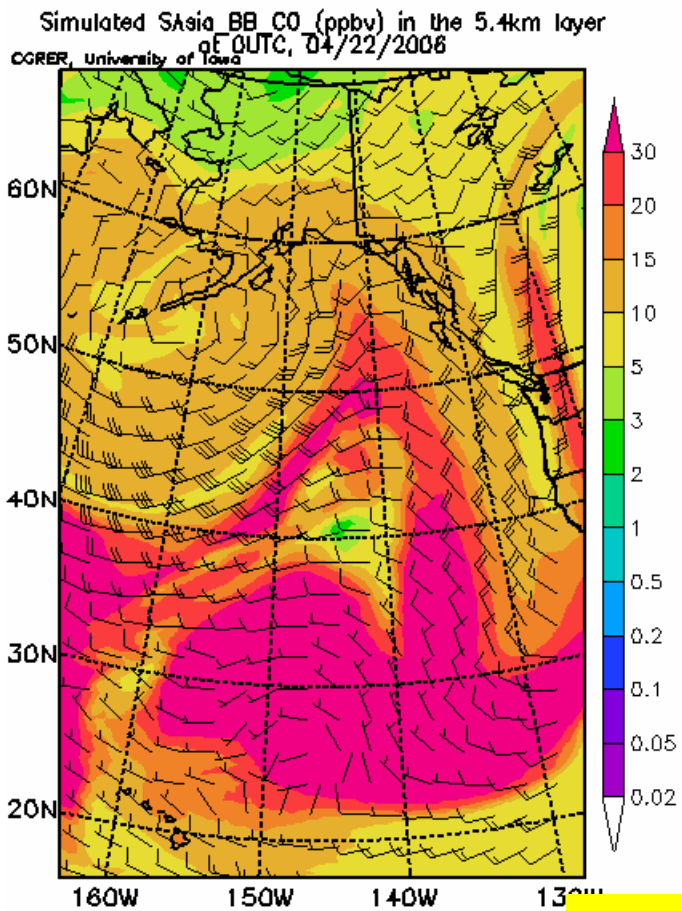


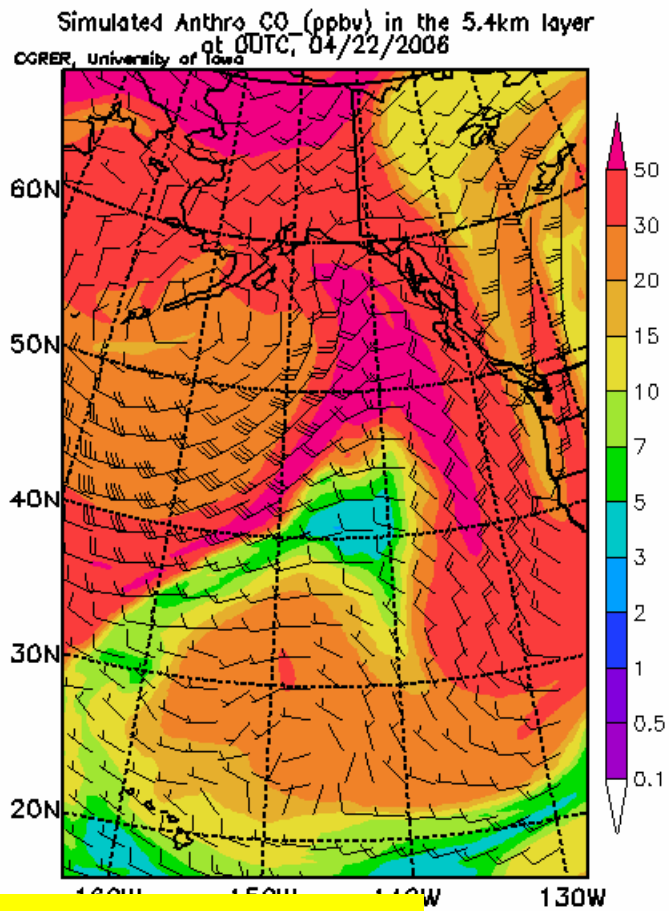


3 3km

5.4km

Contrast to biomass burning





Biomass burning and anthropogenic plumes aren't located in same place.