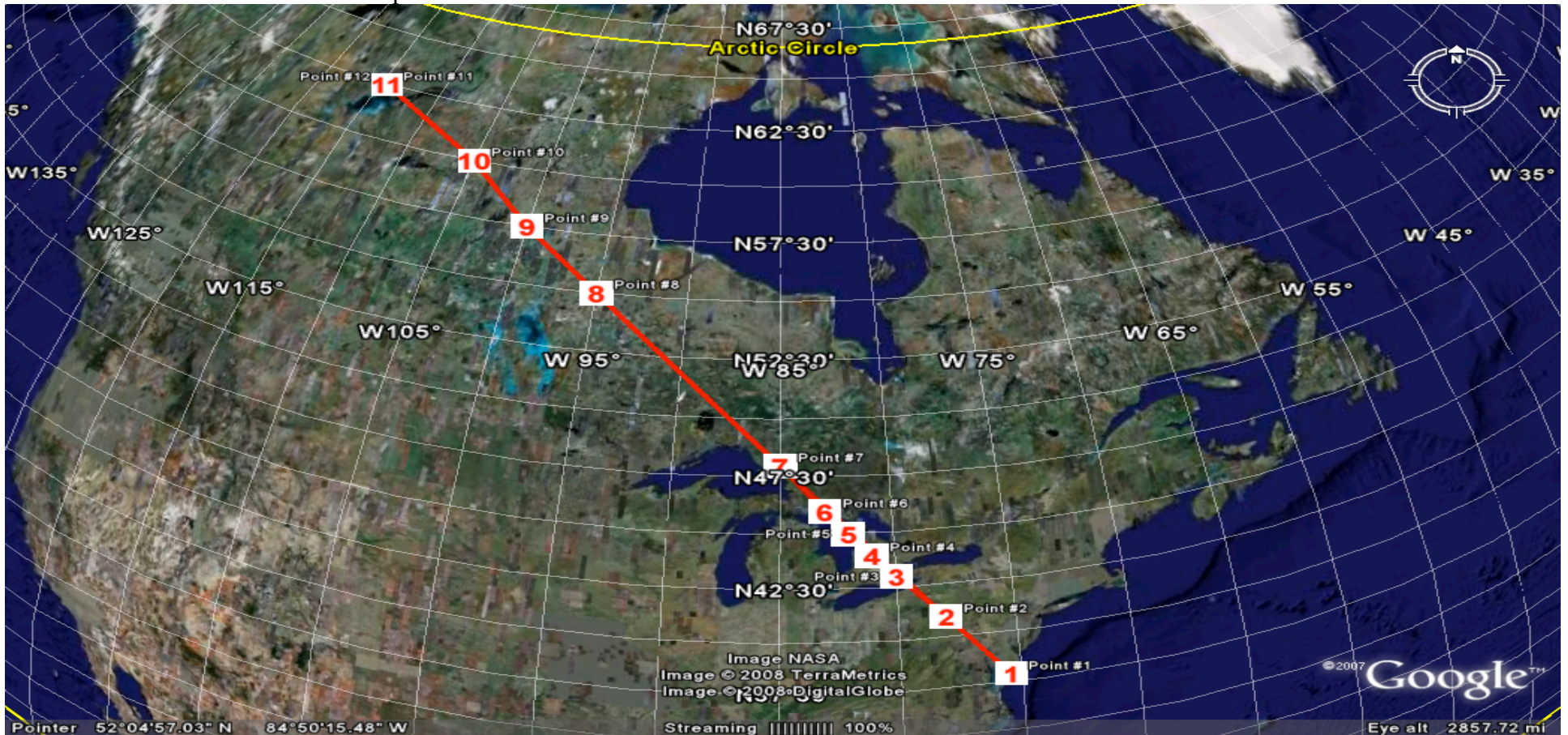
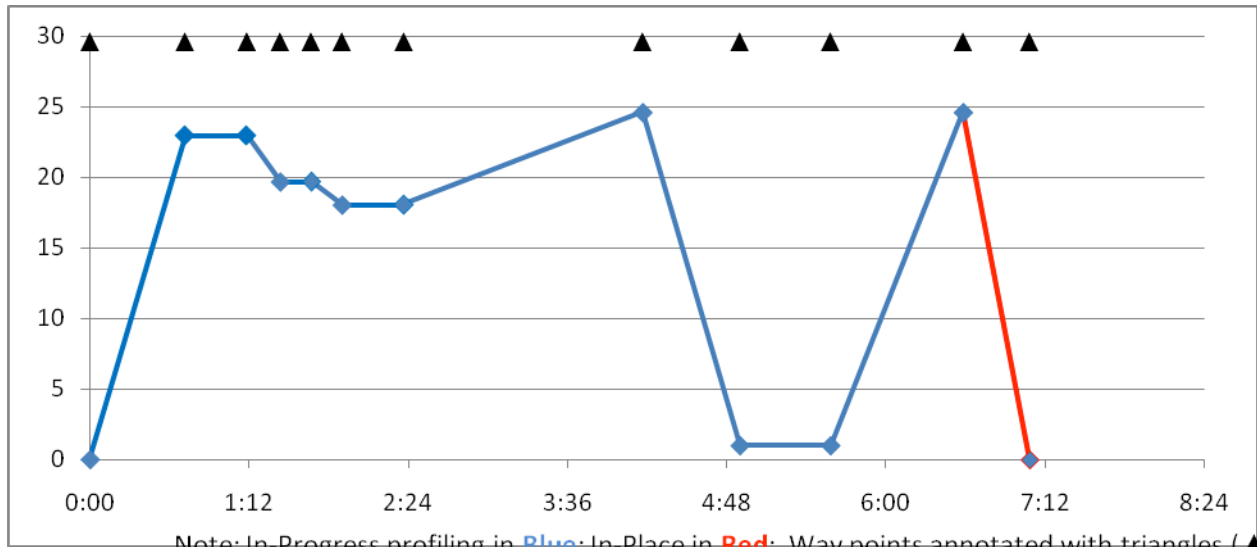


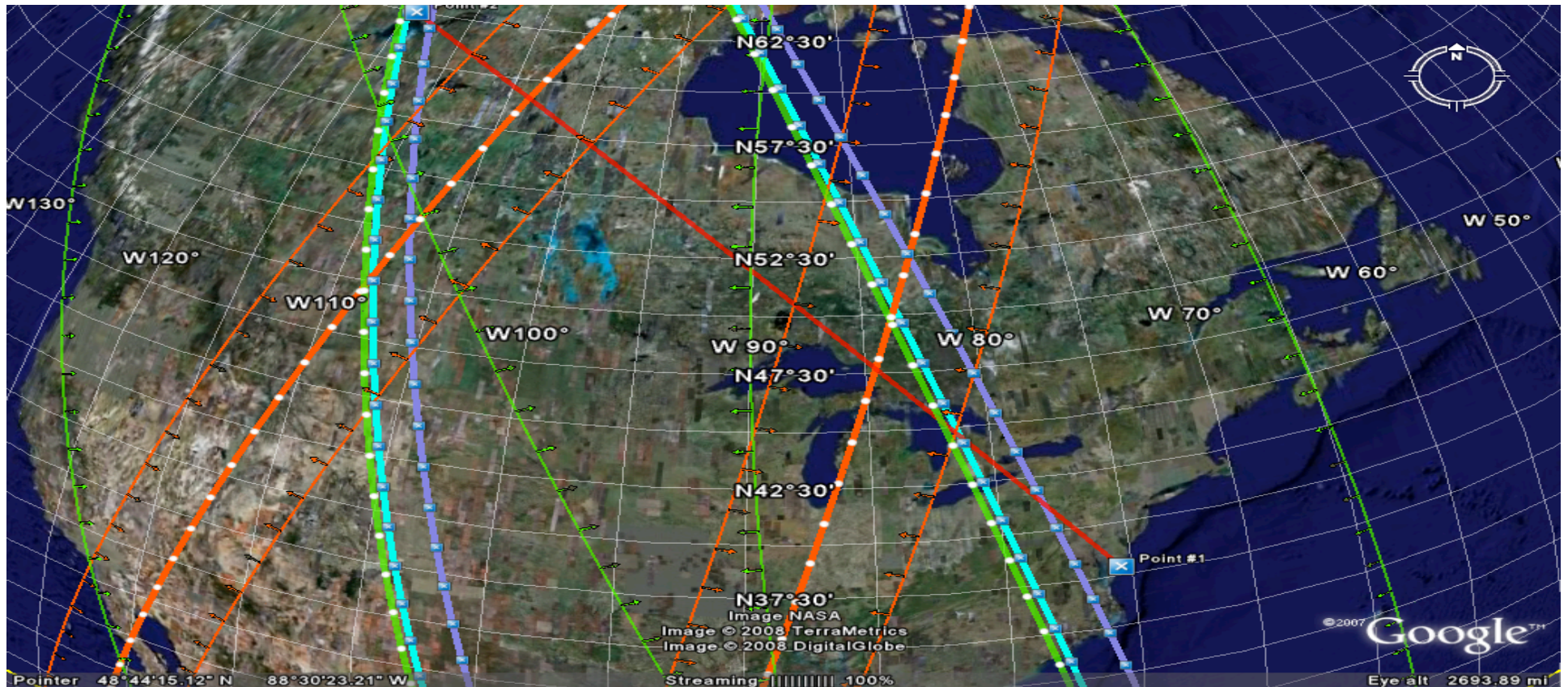
**Flight Plan
P-3 Wallops-Yellowknife
31 Mar 2008**

Goals: Transit Wallops-Yellowknife; science of opportunity along the way. Try to intercept CO plume over great lakes. Different models predict different heights, 4-9 km, core 5.5-7 km. Try stepping down below cruise altitude (clouds permitting) if not found at cruise altitude. Profile in clear area south of Yellowknife if found. Spiral at Yellowknife if clear.





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	37.93306	75.4722	160	0:00	0	0	15:00	11:00	0	0	0	0	0	311	0	
2	41	-78	160	0:00	7,000	0:43	15:43	11:43	0:43	404	404	218	218	311	22.966	Climbout
3	43	-80	160	0:00	7,000	1:11	16:11	12:11	0:29	277	681	150	368	311	22.966	Cruise, look for CO plume
4	44	-81	160	0:00	6,000	1:26	16:26	12:26	0:15	137	818	74	442	311	19.685	In-progress descent
5	45	-82	160	0:00	6,000	1:40	16:40	12:40	0:15	136	955	74	515	311	19.685	Level, look for CO plume
6	46	-83	160	0:00	5,500	1:54	16:54	12:54	0:15	136	1,090	73	589	311	18.045	In progress descent
7	48	-85	160	0:00	5,500	2:22	17:22	13:22	0:29	269	1,359	145	734	311	18.045	Level, look for CO plume
8	55	-95	160	0:00	7,500	4:10	19:10	15:10	1:49	1,039	2,398	561	1,295	311	24.606	Cruise
9	57.5	-100	160	0:00	300	4:54	19:54	15:54	0:44	415	2,813	224	1,519	311	0.9843	In-progress descent in clear area
10	60	-105	160	0:00	300	5:35	20:35	16:35	0:42	400	3,213	216	1,735	311	0.9843	BL or cloud-top leg
11	62.46833	114.443	160	0:00	7,500	6:35	21:35	17:35	0:04	574	3,787	310	2,045	311	24.606	In-progress ascent
12	62.46833	114.443	160	0:30	0	7:05	22:05	18:05	0:30	0	3,787	0	2,045	311	0	Spiral down at Yellowknife, clouds permitting



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	37.93306	75.4722	160	0:00	0	0	15:00	11:00	0	0	0	0	0	311	0	
2	41	-78	160	0:00	7,000	0:43	15:43	11:43	0:43	404	404	218	218	311	22.966	Climbout
3	43	-80	160	0:00	7,000	1:11	16:11	12:11	0:29	277	681	150	368	311	22.966	Cruise, look for CO plume
4	44	-81	160	0:00	6,000	1:26	16:26	12:26	0:15	137	818	74	442	311	19.685	In-progress descent
5	45	-82	160	0:00	6,000	1:40	16:40	12:40	0:15	136	955	74	515	311	19.685	Level, look for CO plume
6	46	-83	160	0:00	5,500	1:54	16:54	12:54	0:15	136	1,090	73	589	311	18.045	In progress descent
7	48	-85	160	0:00	5,500	2:22	17:22	13:22	0:29	269	1,359	145	734	311	18.045	Level, look for CO plume
8	55	-95	160	0:00	7,500	4:10	19:10	15:10	1:49	1,039	2,398	561	1,295	311	24.606	Cruise
9	57.5	-100	160	0:00	300	4:54	19:54	15:54	0:44	415	2,813	224	1,519	311	0.9843	In-progress descent in clear area
10	60	-105	160	0:00	300	5:35	20:35	16:35	0:42	400	3,213	216	1,735	311	0.9843	BL or cloud-top leg
11	62.46833	114.443	160	0:00	7,500	6:35	21:35	17:35	0:04	574	3,787	310	2,045	311	24.606	In-progress ascent
12	62.46833	114.443	160	0:30	0	7:05	22:05	18:05	0:30	0	3,787	0	2,045	311	0	Spiral down at Yellowknife, clouds permitting

