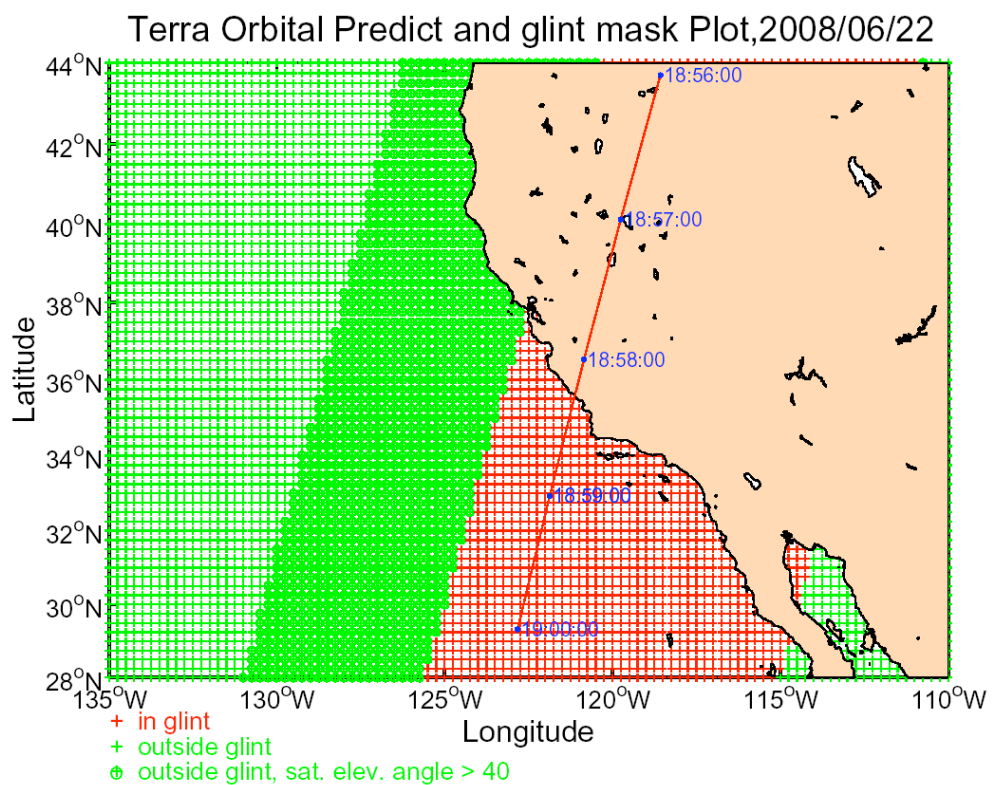


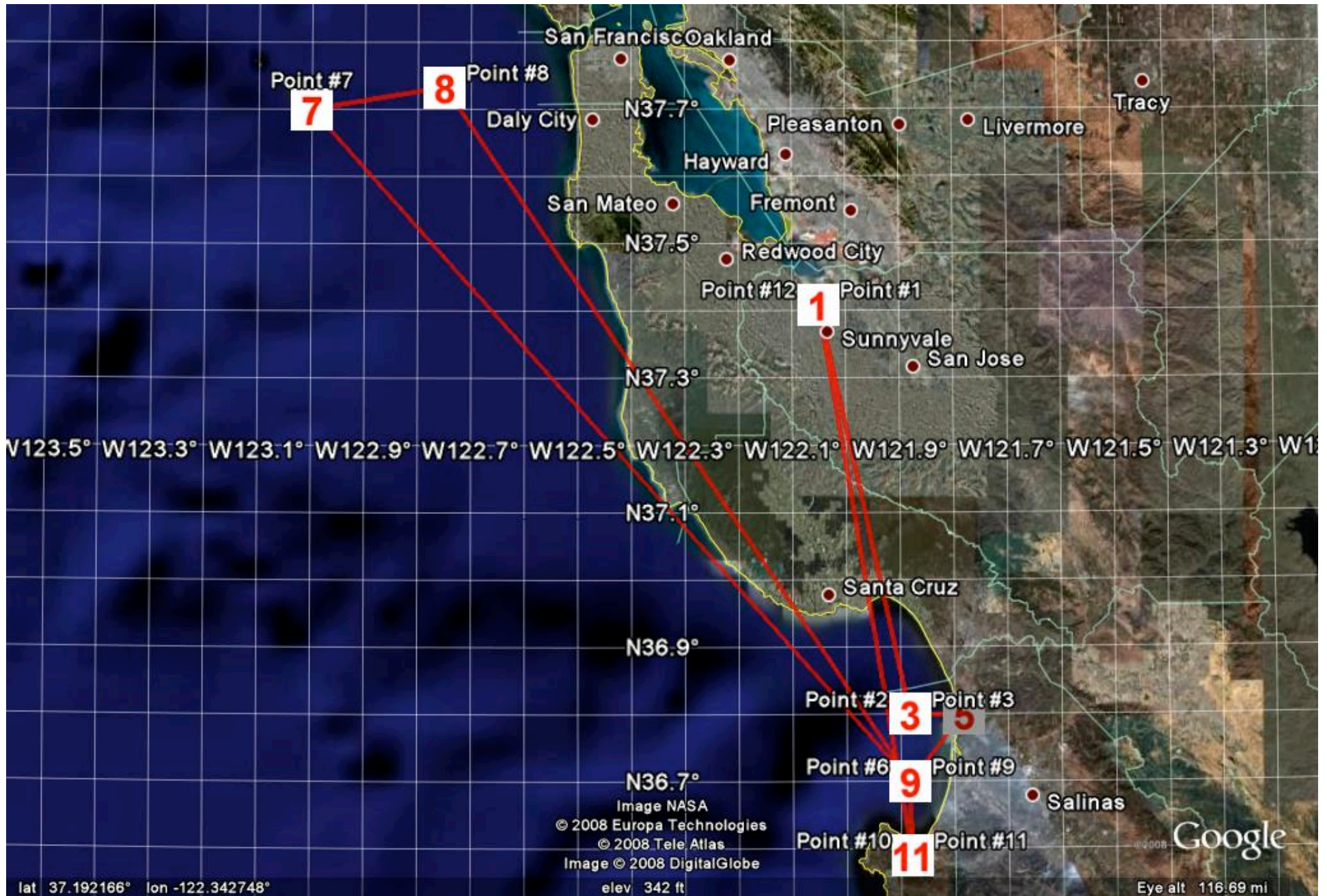
P-3B Calif Test Flight Plan D
Sunday 22 Jun 2008

Objectives

- 1) Leak tests, other instrument preliminary checkout
- 2) Sample Moss Landing Power Plant plume
- 3) CAR circles, radiation legs
- 4) Look for ships & plumes near Farallon Islands & Golden Gate. Possible aerosol-cloud study.
- 5) AERONET, MPL comparison over NRL Monterey
- 6) CAR circles, radiation legs
- 7) Spiral up with radiosonde near Terra MODIS overpass time (1158 PDT)

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





Track is Terra Track 9, passing East of SF Bay Area 1857 UT (1158 PDT), SZA: 20.172. Farallons are in glint-free area.

WP #	Lat (+- 90)	Lon (+- 180)	Speed (m/s)	De- lay T (min)	Alti- tude (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)	Alti- tude (kft)	Comments
1	37.409	-122.05	150	0	0	0:00	16:00	9:00	0	0	0	0	0	292	0	Ames
2	36.8	- 121.883	130	0	1670	0:08	16:08	9:08	0:08	69.3	69.3	37.41	37.41	253	5.48	Climb ~1 000 fpm to Monterey Bay; stay above turbulence
3	36.8	- 121.883	130	20	3000	0:28	16:28	9:28	0:20	0	69.3	0	37.41	253	9.84	COBALT warmup
4	36.8	- 121.783	130	0	3000	0:29	16:29	9:29	0:02	8.9	78.2	4.8	42.21	253	9.84	Moss Landing Power Plant
5	36.8	- 121.783	130	15	150	0:44	16:44	9:44	0:15	0	78.2	0	42.21	253	0.49	Spiral down looking for power plant plume
6	36.7	- 121.883	150	30	150	1:16	17:16	10:16	0:32	14.2	92.4	7.69	49.9	292	0.49	CAR circles
7	37.7	-123	150	0	1000	1:33	17:33	10:33	0:17	149	241	80.31	130.21	292	3.28	Southeast Farralon
8	37.733	-122.75	140	60	1000	2:35	18:35	11:35	1:03	22.3	263	12.03	142.24	272	3.28	Look for ship plumes; possible aerosol-cloud study
9	36.7	- 121.883	130	0	60	2:52	18:52	11:52	0:17	138	402	74.55	216.8	253	0.2	Monterey Bay 200' or cloud top 3 CAR circles
10	36.59	-121.88	130	0	150	2:53	18:53	11:53	0:02	12.3	414	6.62	223.42	253	0.49	NRL Monterey
11	36.59	-121.88	130	30	7000	3:23	19:23	12:23	0:30	0	414	0	223.42	253	23	Spiral up w radiosonde; leak tests; radiometer leg at top.
12	37.409	-122.05	150	0	0	3:35	19:35	12:35	0:12	92.3	506	49.83	273.25	292	0	Ames