Crew – Cooksey, Rahn, Oolman, Geerts

Synopsis – Second flight of the day. GPS flight with north/south legs over Cape Mendocino, and a set of west/east isobaric to the south of the cape. Fair skies with just a few scattered clouds just to the north of the cape, increasing towards the end of the flight.

2238 – Take off
2243 – Starting 4500’ leg (Leg 1). S = 1.6%
2257 – CCN rewetted
2303 – End of Leg 1. Restart CCN with S=1.6%. Climbing to 5500’.
2306 – Start Leg 2.
2327 – Leg 2 ends.
2328 - Some difficulty with CCN, reset. Concentrations seemed high enough, set S = 0.2 %.
2332 – Start Leg 3, continuing at 5500’.
2348 – End Leg 3, Delayed descent due to air traffic.
2352 – Start descending spiral.
~2358 – Start Leg 4, 800’ (~986mb)
   Above the boundary layer for the first third, then moved into it.
   Wind max observed to be near 26 m/s
0013 – End Leg 4
0019 – Begin Leg 5 Redundant (S = 1.6) Observations repeated. Obvious difference in sea state between Shelter Cove and farther offshore.
0027 – End Leg 5.
0030 – Start sawtooth, ascending at 600 ft/min
0102 – End of Leg 6 after descended to 2000’ and headed back to Arcata.
0107 – Pump off
0110 – Landing
0115 – System Off.