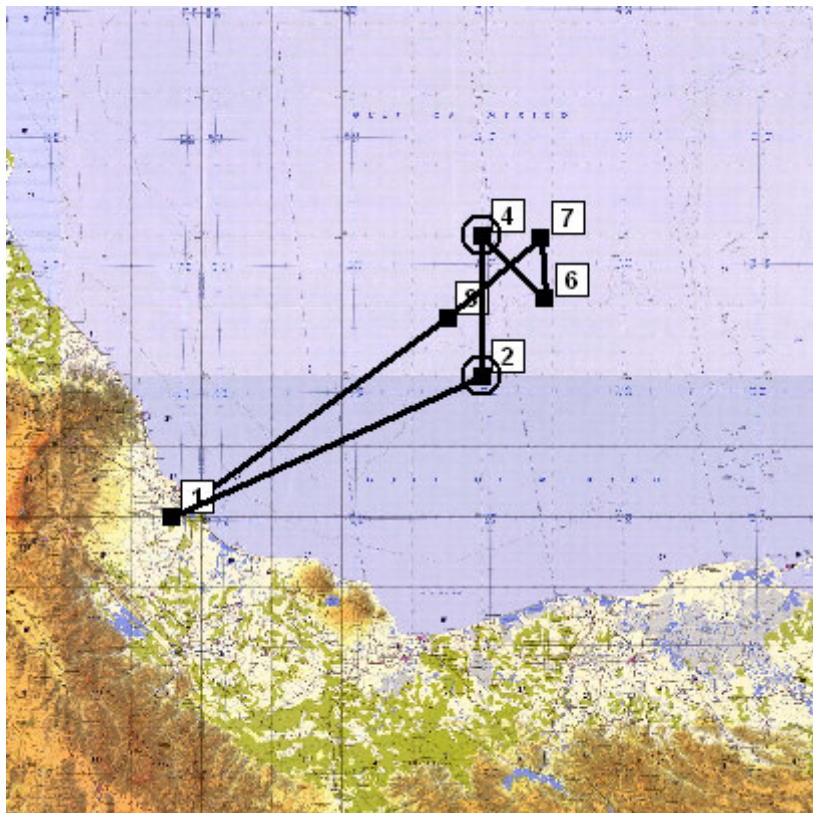


## NASA B200/MILAGRO-5 Flight Summary 10 March 2006

### Goals

- Acquire data coincident with MODIS/Terra off coast east of VER; overpass time = 16:52 UT
- Overflight of the J31 spirals at point 2 for coincident extinction comparisons
- Overflight of the J31 and C130 spirals at point 4 for coincident extinction and in situ aerosol observations
- Coordinated flight with J31 RSP “Figure -4” pattern to acquire RSP-HySPAR-HSRL coincident data

### Intended Flight Plan



### Flight Operations

Planned take off: 1409 UT  
Landing: 1801UT

The J31 executed its first spiral earlier in the flight out than planned. The second spiral was conducted at the planned location. Cirrus clouds (which complicate the J31/AATS-14 measurement) were observed visually by the B200 pilot; however the J31 flight scientist reported that the path was clear from the J31 to the sun and hence good data were acquired. Mismatches in winds aloft and lower complicated the “figure four” legs intended to acquire RSP and HySPAR data on the principal and cross-principal planes. Confusion existed as to whether heading was important or track (i.e., direct overflight of the J31). We will have to do a better job of briefing our pilots on this maneuver.

Lidar data images from this flight will soon be posted to the Research Products section of the MILAGRO Field Catalog.

### **Instrument Status**

All instrument performed nominally.