

## TREX06: 20060325a

### IOP-6: Flt-2

Flight notes: System Scientist (3<sup>rd</sup> seat)

#### Crew:

Pilot: Kevin Fagerstrom  
Flt Scientist: Vanda Grubisic  
System Scientist: Jeff French  
4<sup>th</sup> Seat: Hans (?)

#### Pre-flight:

Radar down. Repairs on the modulator being done at ProSensing.  
No other instrument issues

Expect strong ridge top winds, rotor/roll cloud evident in valley, particularly south of Bishop, Cap cloud on Sierras hanging out near ridge top.

#### Flight:

1608: takeoff (about 10 minutes late)  
1618: sounding out of Bishop, strong inversion between 650 & 590 mb, wind max of  $22 \text{ m s}^{-1}$  at inversion  
1624: setup up first leg at FL220, tracking west (??)  
1646: leg 2, begin at FL220, once inside MOA508 ascend to FL230, wave amplitude  $-4/+3.5 \text{ m s}^{-1}$   
1700: setup for leg 3 (tracking west), descend to FL190, end up cutting this leg short because of clouds over the Sierras, wave amplitude  $-5/+3.5 \text{ m s}^{-1}$   
1717: descend to FL170 begin leg 4, tracking east across valley, clip top of rotor/roll cloud (or lenticular cloud on top of rotor??) in center of valley, wave amplitude  $+/-7 \text{ m s}^{-1}$   
1727: descend to FL150 begin leg 5 tracking west  
1739: getting into clouds in center of valley, descend to FL130 to try to get under clouds, turn 90/270  
1741: setup for leg 6 at FL130, first shot at box in valley  
1753: tracking east on 'backside' of box, bumpy, descend to FL110  
175930: westbound at FL110  
1803: eastbound at FL110, descend to FL080 to get under clouds in center of valley  
1815: on east end of box, descend to FL060 to setup for another box  
1826: complete box at FL060, ascend to FL080 for box  
1838: ascend to FL100 for another box  
1853: ascend to FL080 for another box  
1904: boxes complete in valley, climb to FL220 to try pass over valley and Sierra Crest  
1915: begin leg at FL220 tracking ~west, at west end, turned 90/270 and return pass at FL220 (??)  
1947: RTB  
2004: wheels down

### Post-flight/impressions

Nicely formed waves throughout the valley and above, clouds in valley presented bit of challenge, but in general not too difficult, and did not seem to require large deviations from flight patterns, turbulence weak to weak/moderate

Patterns were setup along track B, southern end of box on track B, northern end ~12 miles NNW of track B