

# Daily Report for Sat Oct 5

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Fine and cool with northerly breeze. It should become calmer so an IOP still planned for tomorrow evening.

All systems running well. 449 seeing winds to 2km, occasionally 3km, and RASS to 1 - 1.5km. Power amp running at about 140 W in winds and 190W in RASS. Sodar seeing winds to 120 - 150 m and RASS to 120 - 200m.

The air is very clear so the lidar wasn't seeing very far, perhaps 1 - 1.5km so I increased the range gates from 25m to 50m, and appeared to get a few hundred meters extra range. Nihanth and Sebastien were doing tests for tomorrows IOP around 0:40 UT, 3 UT, and 5:30 UT this evening (Oct 6). They managed to spot the ISFS south rim tower at bearing 195.1 deg azimuth, which agrees very well with an estimate from GPS coords and Google Earth of 195.15 deg.

Switched out shuttle disk drive 1 for disk 2 to carry data back to Boulder. The log for disk 1 is at `ds/logs/disk_shuttle449_1.log` It covers the period Sep 25 - Oct 3 and has nearly 1TB of mainly 449 data, but also some lidar data.

At late afternoon the generator diesel was just over 1/2 full, oil press & temp 60 psi and 180F.