

Daily Report for Tuesday Oct 1

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Today was clear and warm with a light mainly southern or southwesterly breeze although it was northerly briefly this morning.

Eckhard made some repairs to the sodar speakers and amplifiers today and now it is fully operational (previously 2 or 3 speakers and amps weren't functioning, although the sodar was still working well). We were also working on the lidar on tests and tracking down an orientation problem.

Tonight we have a mini IOP to test lidar operations and coordination - unofficially we are calling this IOP-0.

The NCAR lidar (windcube 200 s leased from Leosphere) is operating on the north rim of the crater and is doing a series of coordinated test scans with the University of Utah lidar operating on the floor of the crater. An example of the scans is the NCAR lidar doing RHI scans at 190 azimuth between +10 and -10 deg elevation, while the Utah lidar is doing the same azimuth but from about 45 deg thru zenith to -45 deg, which will allow detailed dual-Doppler in the vertical plane. Both lidars are now working well, but getting their beam directions exactly calibrated is tricky.

The 449 is running well, picking up quite a few birds this evening. RASS sound was turned off for the film crew until about 4 UT. The sound intermittently cuts out at other times, Charlie is working on the problem. When it is running correctly, it works well - typically seeing up to over 1km, however the lower gates need some adjustment.

Earlier in the evening, the 449 site was visited by a film crew to record part of a documentary for middle schoolers.