

IOP setup April 27 & 28

Continued IOP phase setup for the ISS at Perdigao. A busy couple of days.

Power: There have been a number of power issues around the whole valley as all the instruments from the many groups have been installed. This has affected all four ISS sites. At the west profiler site, DLR are installing a microwave radiometer and we are installing an AC which is expected to push the limits of the current circuit there. At the sodar site, power has been off in the early morning for the past three nights in a row (typically around 4am - 7am, +/- a few hours) - it may be radiometer heaters starting up to dry off morning dew. At the NCAS profiler at the operations center, we have only one reliable circuit which has been tripping the circuit breaker in the trailer and the operations center itself is short of power. At the sounding site, there are 4 lidars instead of the expected 2 drawing more power there than expected. On Thursday morning a meeting on power was held with INEGI and extra breakers are being installed but it'll take a few days. Friday morning an extra breaker was installed at the sounding site for us, and an extra phase line will be installed at the west profiler site on Tuesday.

Sounding site: Unfortunately the office trailer for this site this is delayed until Tuesday. In the meantime we hunted around for a van, and eventually rented one at Avis and have positioned that at the site. We plan to begin installation of the sounding equipment Saturday. A sounding operator schedule is being worked on, thanks to Alison for creating the spreadsheet.

NCAS profiler: There have been AC problems leading to overheating of the equipment enclosure and it was discovered that the two ACs had lost most of their coolant. Fortunately INEGI was able to find a local AC company who were able to repair the specialist AC units on the system Friday. Thanks very much to Geraint who left Friday afternoon, Emily continues until Monday. A clutter fence is being constructed - many thanks to Kurt, Steve Semmer and Brigitte for working on this.

