

# Daily Report from MISS Friday 5 June 2009

Daily Report from MISS at Marshall in support of ASP mini-project

Fri June 5, 2009

Wave clouds over Boulder this morning, with increasing mid-level clouds during the day. Light southerly and easterly winds. Quite hazy. Late afternoon a thunderstorm with lots of lightning and occasionally heavy rain passed over.

Four soundings were launched : 1500 1730, 2030, 2330 UTC. All soundings went well with ASP students in attendance. Boundary layer appeared to be low (400 - 600m) in all cases. 1730 and 2030 showed evidence of gravity wave breaking at upper levels (above 100 mb). 2330 sonde was launched as the thunder storm approached and appeared to travel along with the storm to the NE.

Wind profiler worked well although not seeing much above the low boundary layer. During the early part of the storm there were cases of unusually clear separation of precip and clear-air signals in the Doppler spectra.

Surface station showed westerlies last night, not seen in the profiler so must have been low level, may be drainage flow out of Eldorado canyon.

Bill Brown (NCAR/EOL)

[Gary created this log entry from Bill's comment added to the wiki front page]