Debris Flow-2007/2008 Event Log
IOP-1

Lat: 33.94933 N Lon: -118.44217 W Alt: 43 m Truck HD: 107 deg

Date/Time SR1 ready for operation: 6 December 2007 2105 UTC

Radar Calibration Offset = -6.0 dB

Note taker: David Jorgensen (NSSL)

Time (UTC)	Event
1800	Les arrived on site with SR1 after driving in from Lofton, NV
2000	Set up SR1, leveled, determined lat,lon,alt did not radiate until contacting tower for test. Tested scanning. Adjusted CSR from 18 db to 8 db due to much more extensive ground clutter. Took several pushes of the "Seek" button before MotoSat finally locked on to a satellite. Took over half and hour to lock on.
2100	Lots of 2nd trip ground return to the ENE at about 50 km. Also a spike in interference at about a radial of 57 deg.
7 Dec 0120	Tested and refined MotoSat image upload procedure. Returned to hotel so Les could check in and eat dinner
0620	Got SR1 back up to begin data collection on advancing rain system associated with a cold front
0640	Image generation and transmission system working. Settled on the 5.1 deg tilt to transmit. Lower ones had echo blocked near the burn area due to too much clutter.
0700	Mostly relatively light precip near the burn areas. Some stronger reflectivities (to ~45 dBZ) to the NE of SR1 moving south
0746	Precip pretty meager so far. Broad area of 20-25 dBZ to the north with a few cells to 40 dBZ
0809	Switched to the 4.0 elevation scan to send to the real-time web site. Mountain blocking doesn't seem so bad right now.
0846	Finally started to sprinkle a bit here at the site
0850	Seems like a couple of heavy cells (max dBZ to 45 or so) just missed the burn areas to the south and east
0900	Moderate rain now at the site
0915	Apparently the front has gone through, winds now gusting and shaking the truck a bit
0950	Back edge of precip just approaching the burn areas
1133	Echoes have diminished all over
1205	Shutting down – all echoes have dissipated