

SMART-R Event Log

IOP 1 Project: Debris Flow Project

Lat: 34.200610 Lon: -118.350563 Alt: 712 ft. Truck HD: 193 deg
 Date/Time SR1 ready for operation: 7 December 2009 2300 UTC
 Site: BUR Airport, Burbank CA

Note taker: David Jorgensen (NSSL)

Time (UTC)	Event
1345	Arrived on site, leveled truck. All systems up OK.
1415	Took about 20 minutes for the transmitter to warm up and radiate
1420	Did a few "ZDRCAL" scans and adjusted the offset from 1.5 to 0.25. Took several reboots to finalize the offset value
1500	Began VCP-12 and noticed reflectivity at the lowest tilts appeared a bit too high compared to the local WSR-88D
1557	Mostly low 30s dbz echo over the burn. Hint of bright band in the tilts above about 5.1 deg. Some dbz to low 40s over the water to the SW
1559	Taking about 4 minutes to transmit the raw files to Norman. Files are ~16 MB each
1604	Light rain at SR2 site
1632	Good bright band on 8 deg tilt between radar and the two USGS sites
1635	Turned off the recording of RhoHV to make the files slightly smaller (15 mb vrs 17 mb)
1700	Rain has subsided at the SR2 site
1706	Adjusted calibration down another 2 db
1712	Running zdrcal
1715	Resumed running VCP-12. Transmission through internet-in-motion seems to be running about 5-6 minutes. Just about as long as it takes to create one file! Will eventually end up mission a few images in the real time web loop.
1720	Raining again moderately hard at the site
1747	Bright band increasing in intensity – now about 45 dbz
1820	Internet-in-motion now seems to be taking about 8 minutes per raw file. Files are backing up!
1910	Changing ZDR bias + 1 db, rebooting
1922	Bright band now approaching 50 dbz
1928	Changing ZDR bias +25, rebooting
1930	Resuming VCP-12
2100	Iris prone to segmentation faults apparently doesn't stop the tasks only the IRIS GUI
2127	Rain tapering off quite a bit ahead of the frontal passage. No real bright band seen on higher tilts and rain has stopped at site
2145	CARC raw file transfer via internet-in-motion occasionally hangs and to resume

	need to boot the machine
2153	Light rain has begun at the site again. A band approaches from the west
2223	Convective line with max dbz to 50 approaching 20 km to the west
2240	Heavy rain now at site as line moves overhead
2242	Convective looking echoes over the USGS gages
2250	Another band 60 km NE
2251	Rain is subsiding at site as band moves past
2315	Surface winds at site have gone calm
0006	Gave an interview to Channel 7 (KABC) about the project and radar
0028	Fairly heavy cell over mt lukins USGS site on 8 deg tilt
0051	Sfc winds not west at 15 gusts to 22 on BUR ASOS
0100	Shutting down. Precip echoes are dissipating. Nothing upstream