

SMART-R/S-Pol Reflectivity Comparisons during DYNAMO

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Two radars were operated in close proximity on the Addu Atoll during the DYNAMO field experiment: the Texas A&M SMART-R C-band system and the NCAR/NSF S-PolKa radar. The two radars varied considerably in wavelength, update frequency, beam width, and other characteristics. As with any project using multiple radars, the issue of radar inter-comparison and calibration accuracy needs to be considered. This poster addresses issues of intercomparison of reflectivity, and reflectivity-derived rain rates. Results indicate that the radars compare very well in reflectivity; differences exist, but the differences are not always consistent from event-to-event. The reasons for such behavior are currently uncertain.