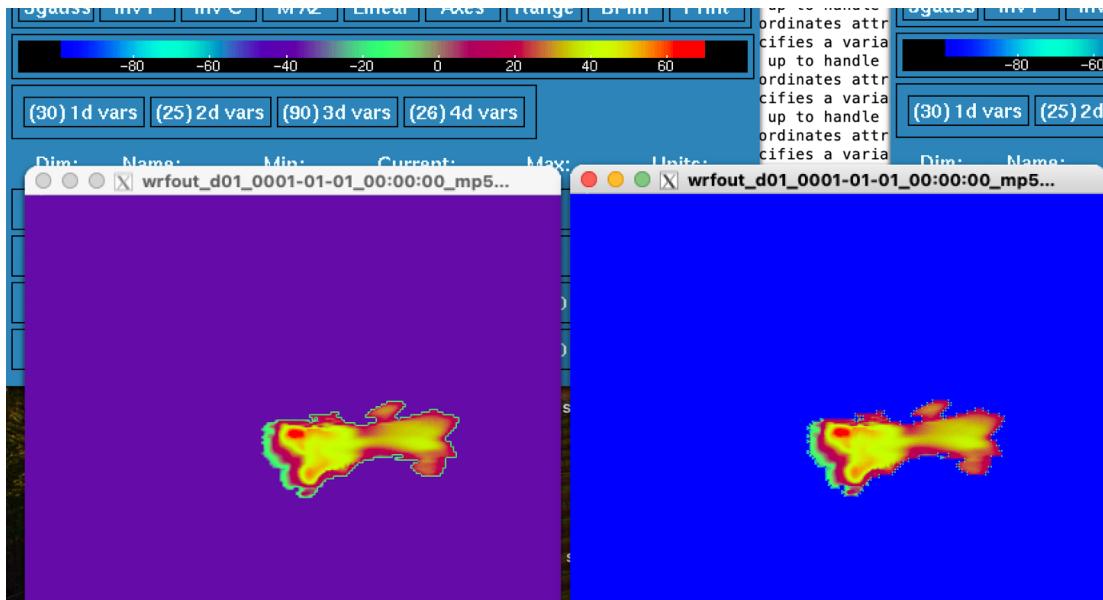


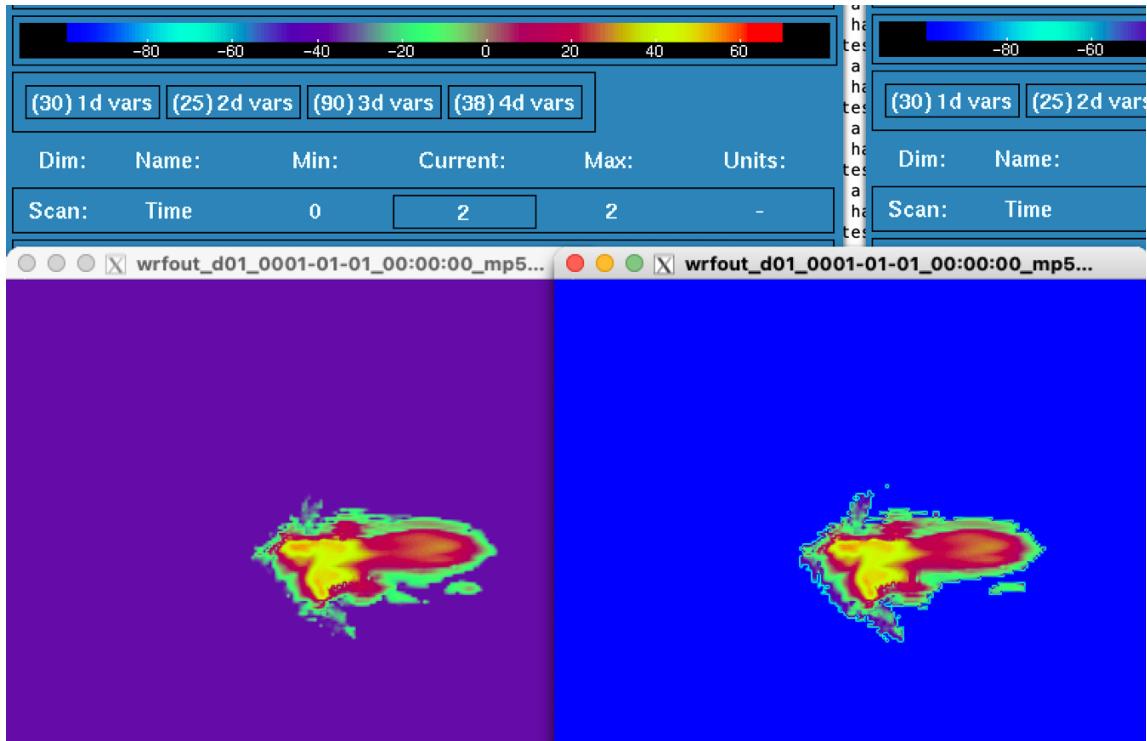
This document explains the test summary for p3v5.5.0-rc6 versus v5.5.0-rc3+. Tests were run in WRF for the quarter shear supercell. Timing tests are nearly the same as before (within run-to-run variability on Derecho). Results for MP options 50 and 51 (single cat) are identical except for setting reflectivity where there are no hydrometeors to -99 dBZ in rc6 (instead of min ~-37 dBZ in rc3+).

Results for lowest level reflectivity for MP option 50 (at 1 hr):



There are larger changes for 2-cat and 3-cat (MP options 52 and 52), besides the difference of -99 versus ~-37 for no hydrometeors. However, while differing in details, the overall structure is the same between the two versions.

Lowest level reflectivity for option 52 (left is rc3+, right is rc6):



Lowest level reflectivity for option 53 (left is rc3+, right is rc6):

