

COMPARISON OF GPM 2Ku rain_type FIELD: v04 vs UW MOD TO v04 vs v05

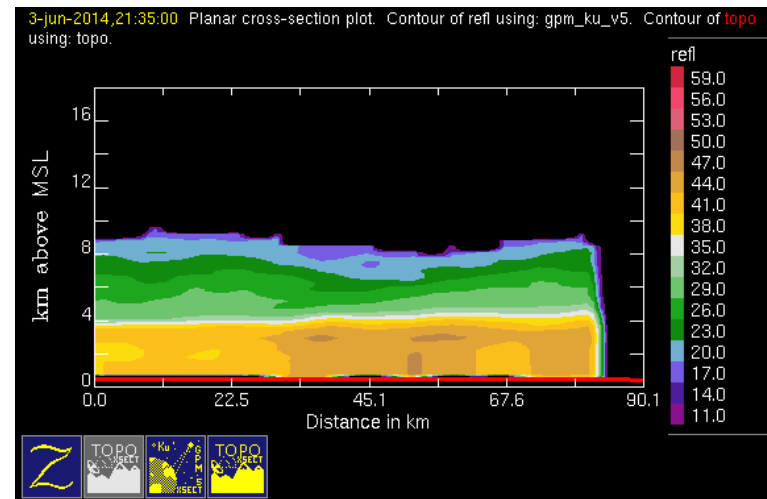
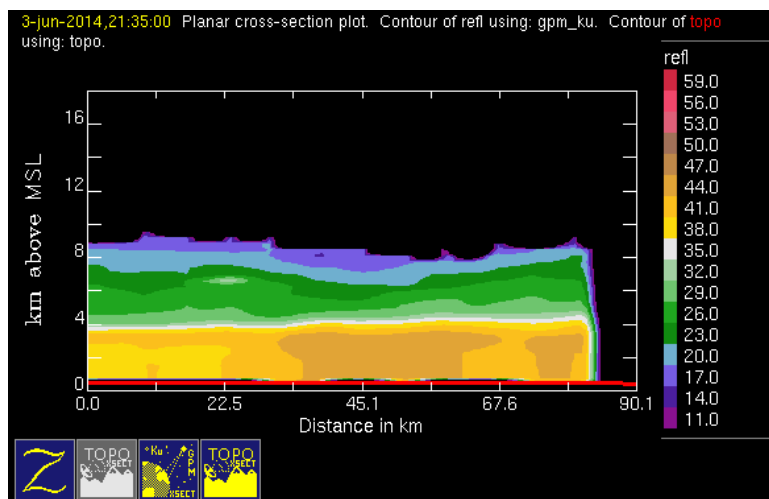
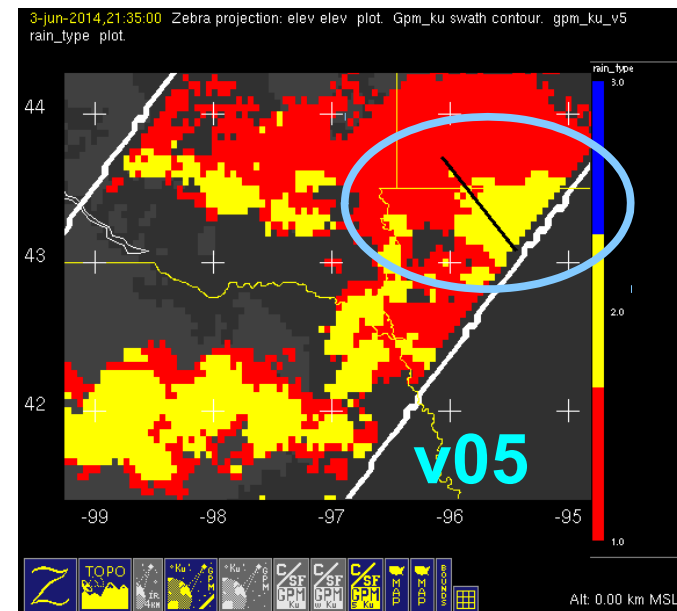
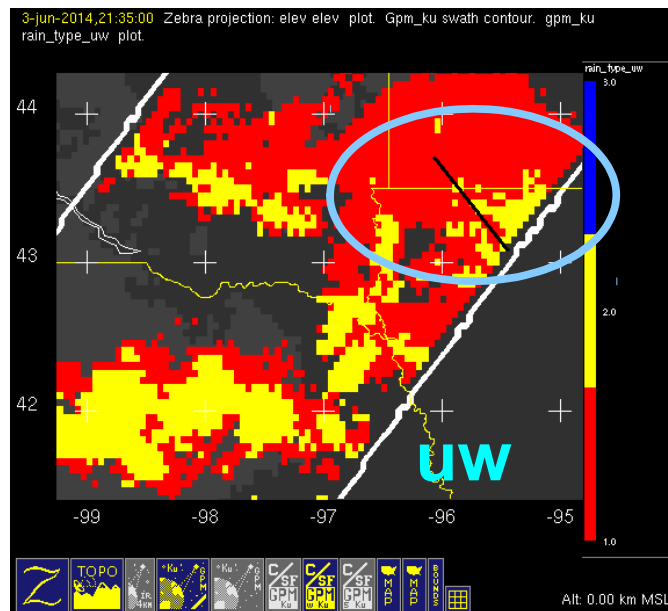
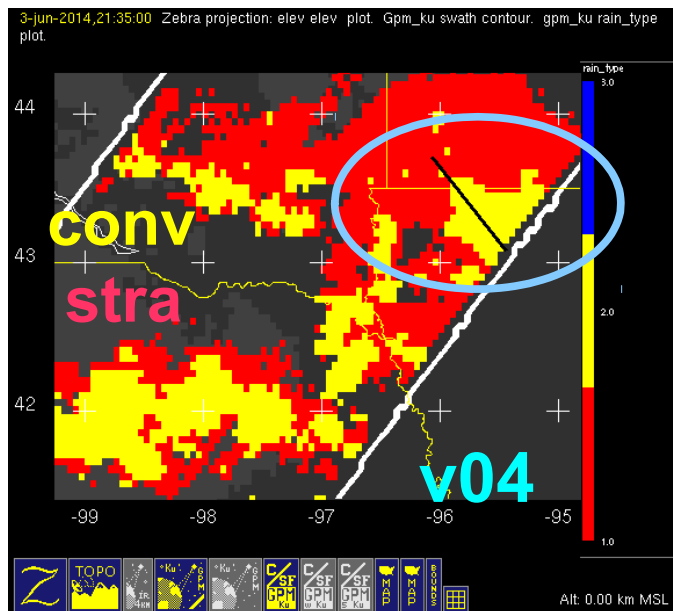
UW Mod to v04: If the following three criteria are met for a grid point, the rain_type is changed to STRATIFORM:

- 1 The original classification is CONVECTIVE
- ▯ The maximum reflectivity in the column is greater than 38dBZ
- ▯ The max reflectivity in a column minus the reflectivity 1.5km higher is greater than or equal to 8 dBZ

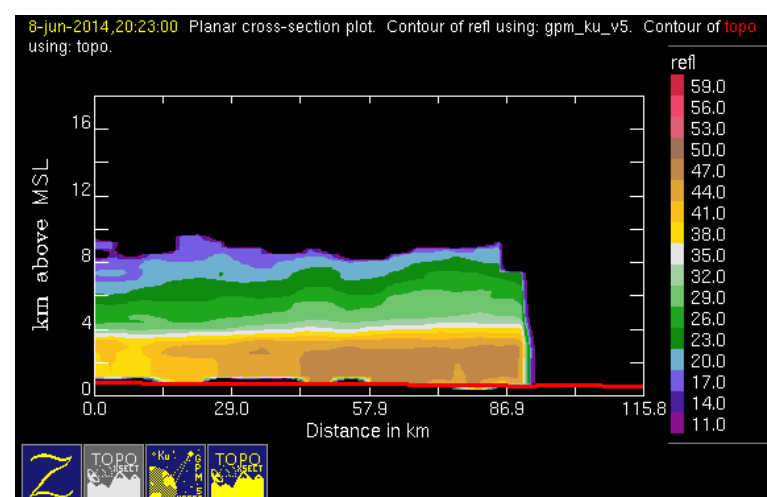
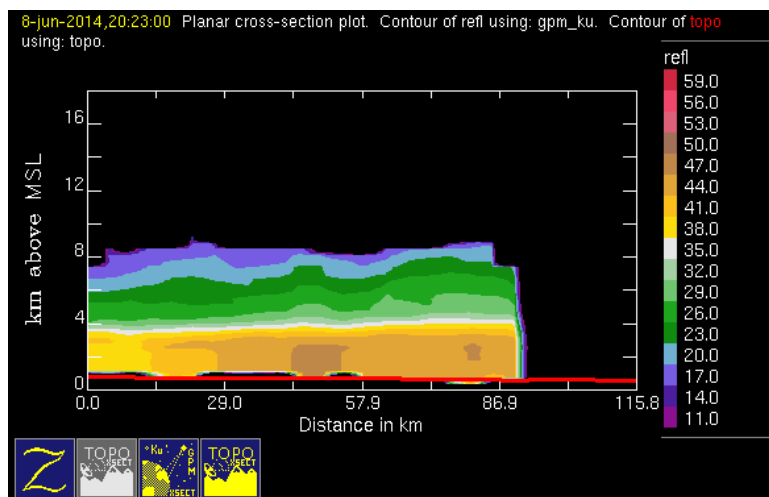
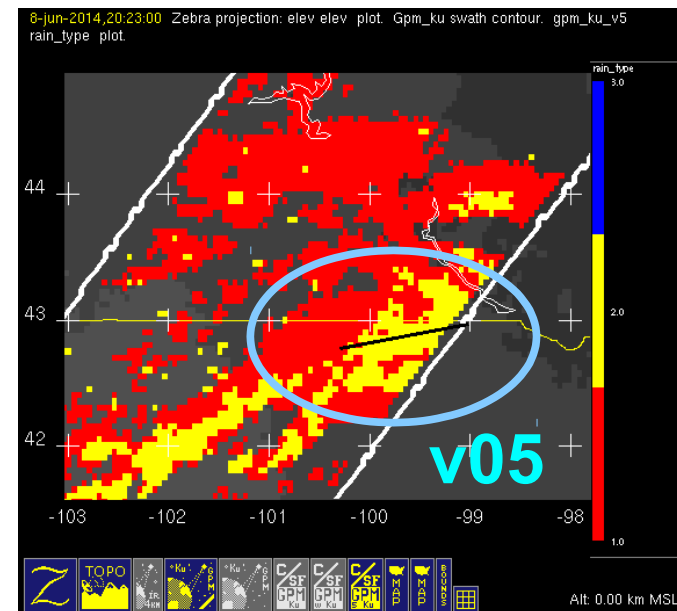
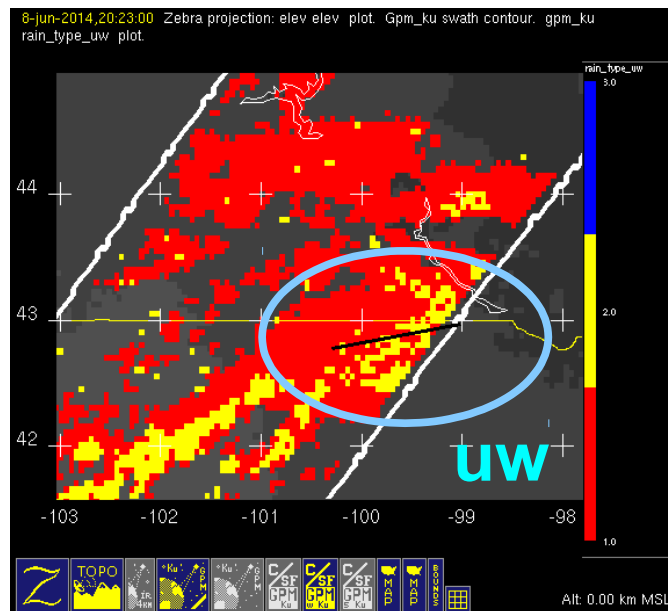
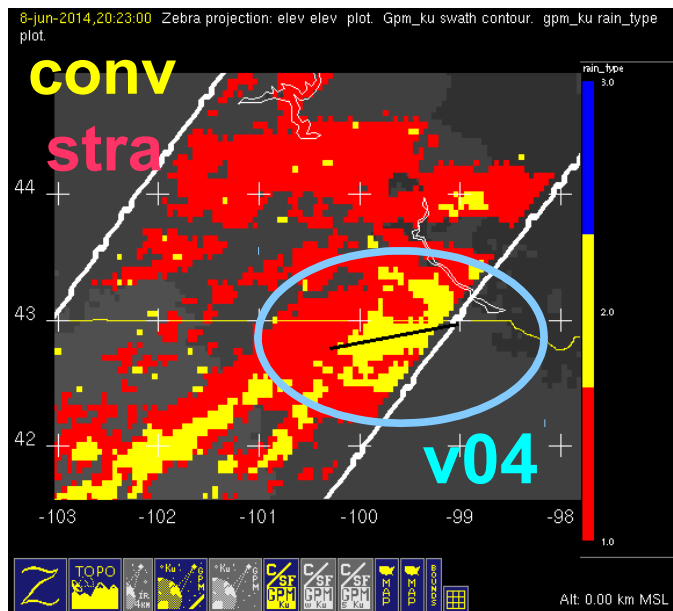
Each of the following slides shows the v04 classification on the left, the UW modified v04 classification in the center and the v05 classification on the right, as well as cross-sections of the reflectivity which represent the cuts where the black lines are drawn on the horizontal plots. The v04 cross-section is on the left and the v05 cross-section is on the right. The calibration increase in the reflectivities is evident.

All cross sections are drawn from left to right.

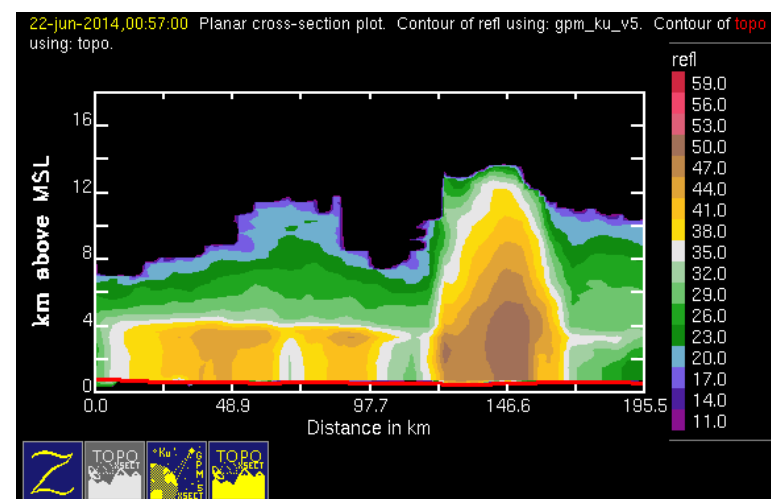
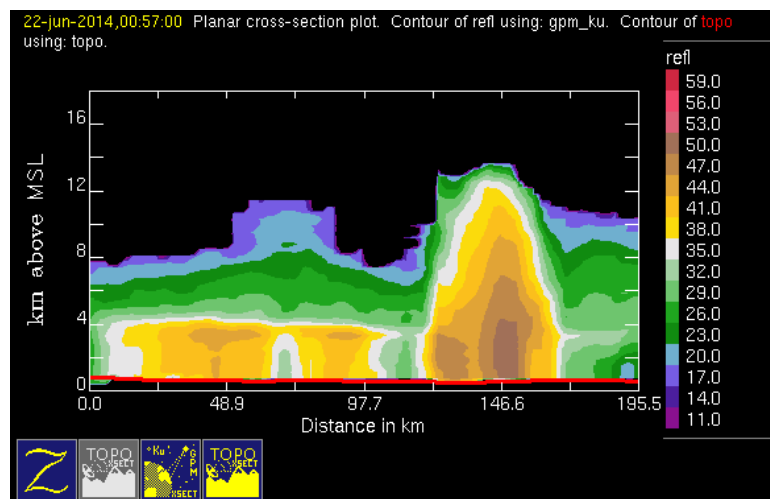
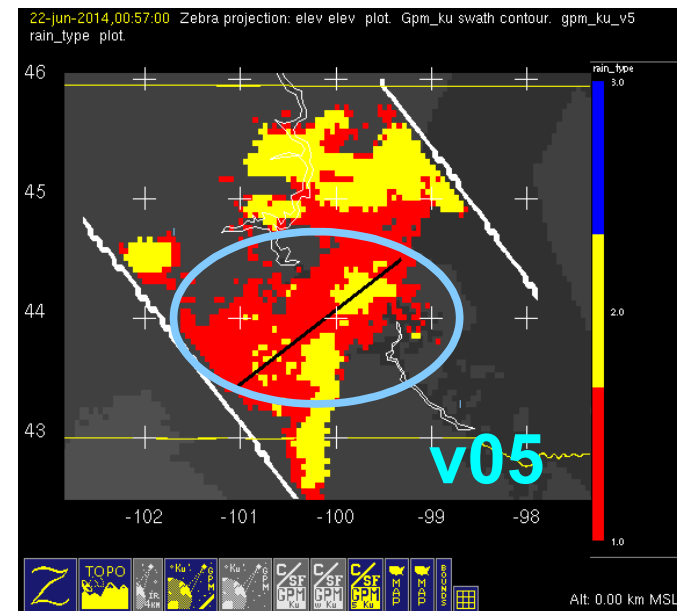
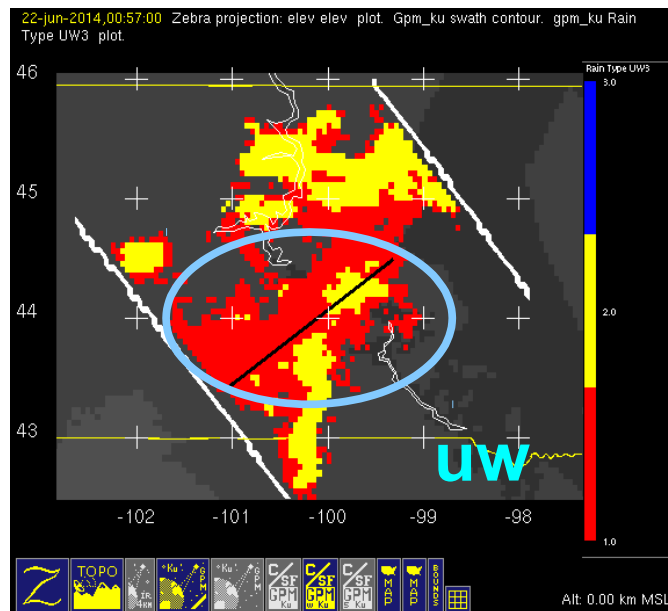
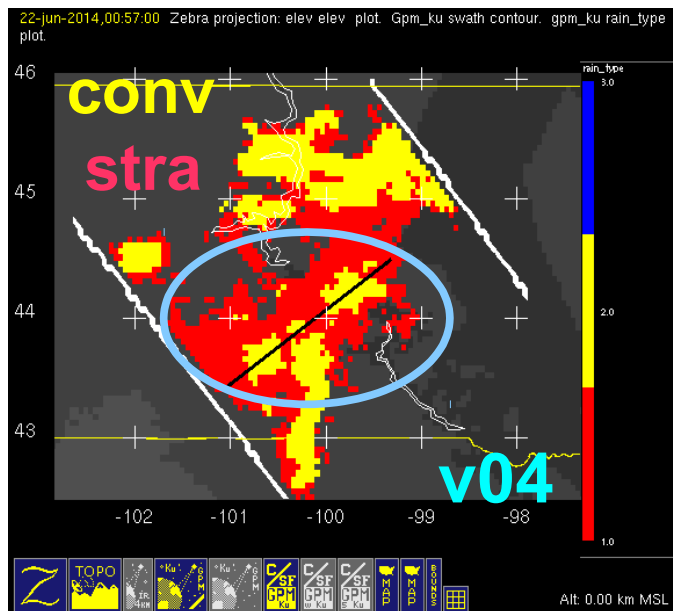
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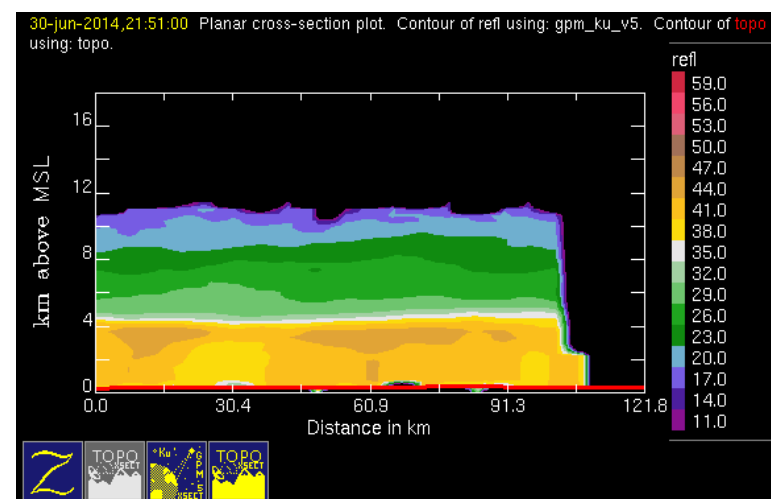
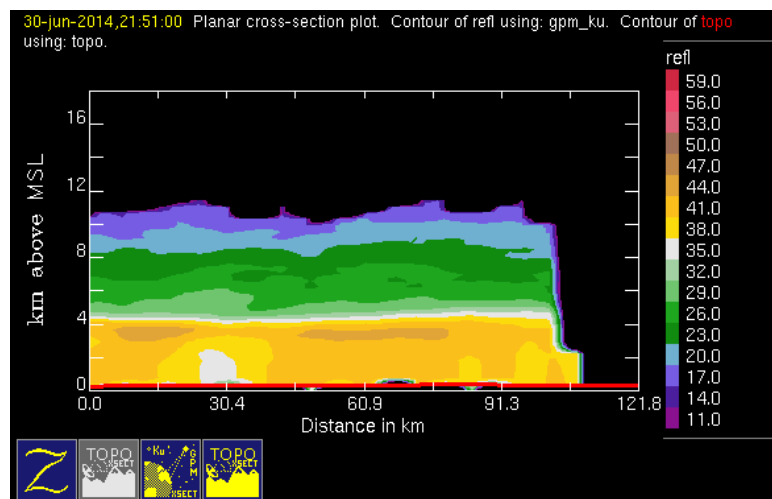
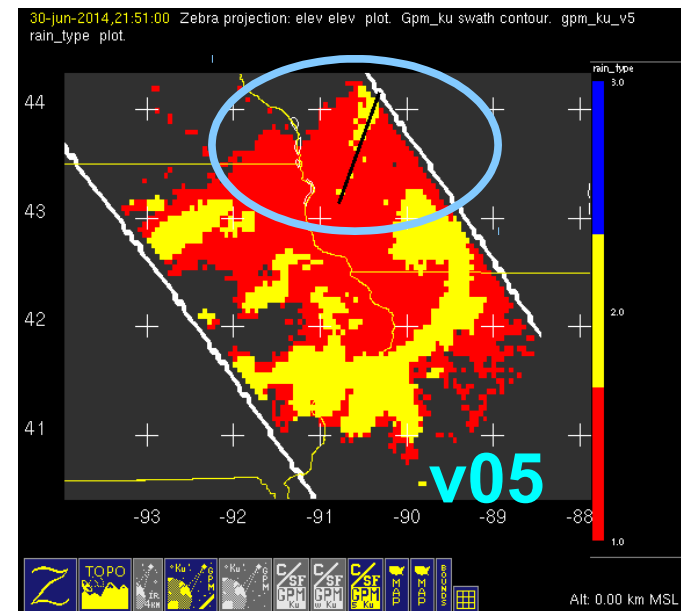
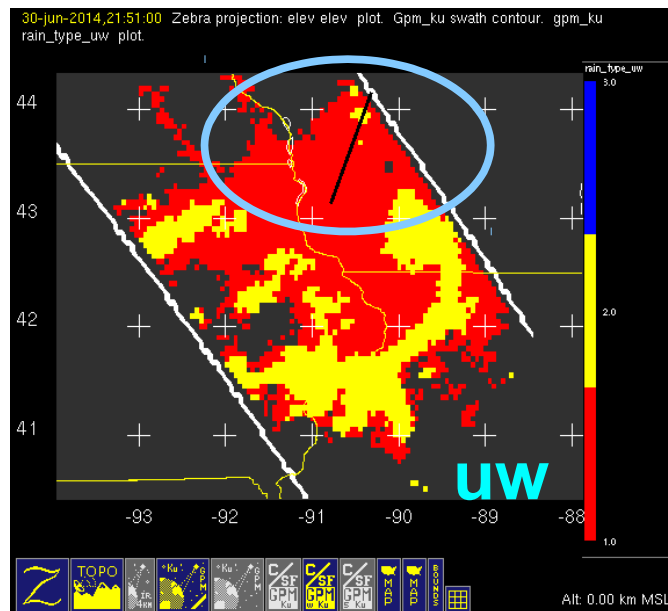
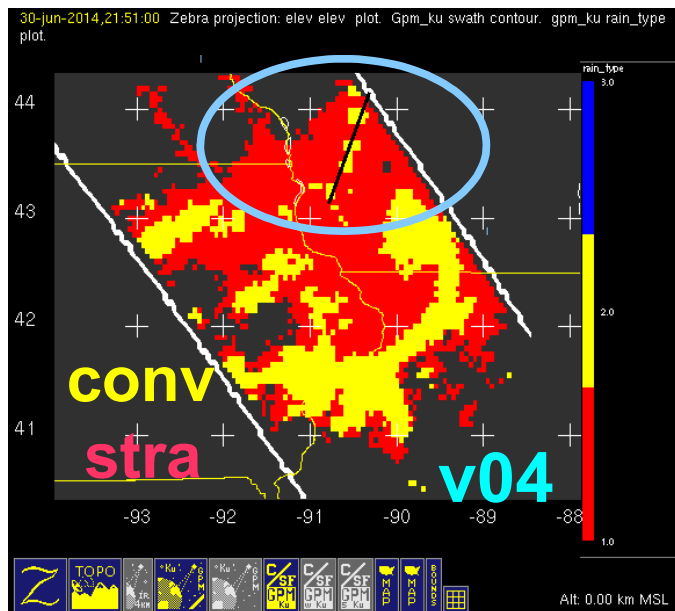
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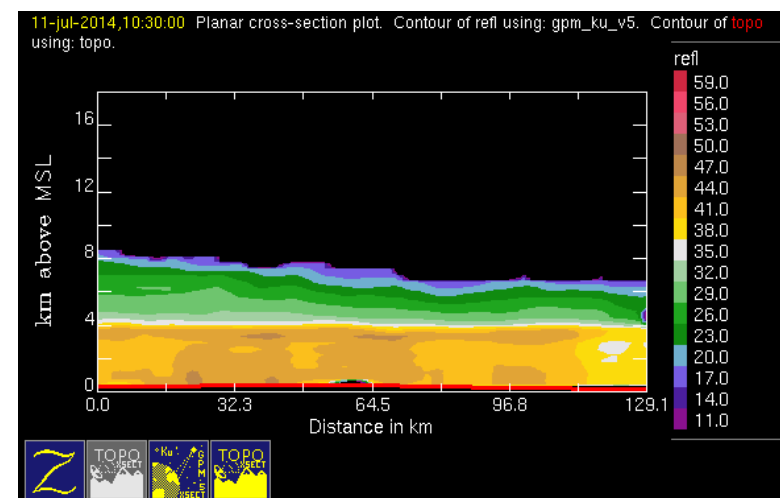
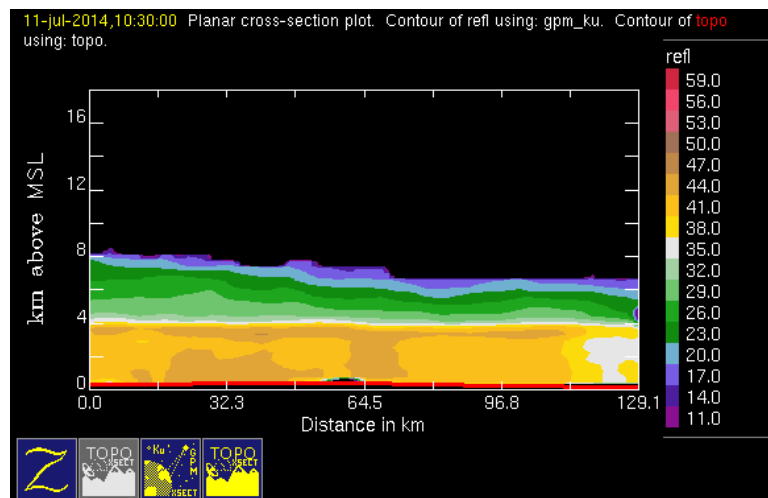
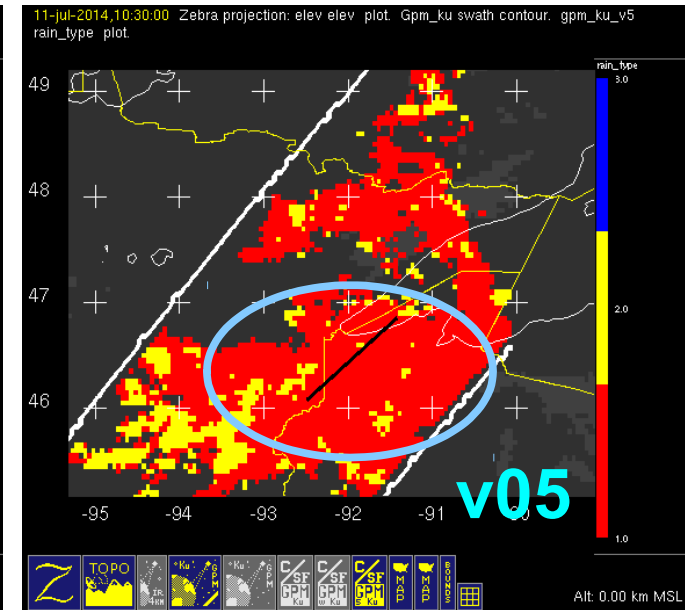
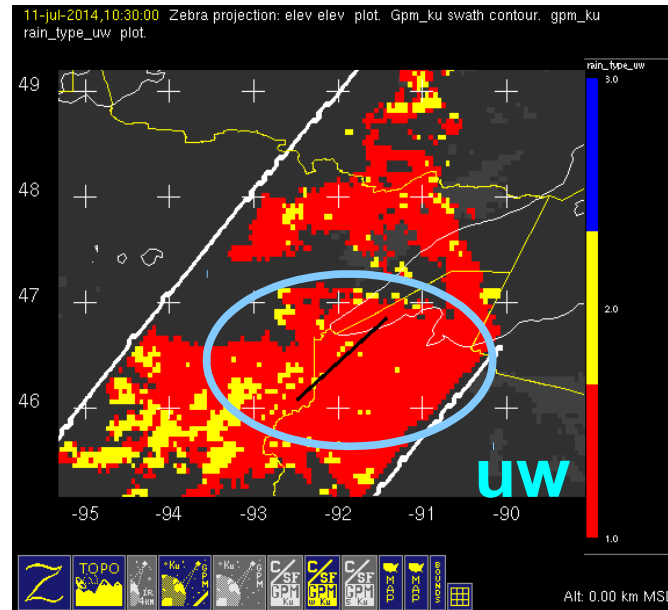
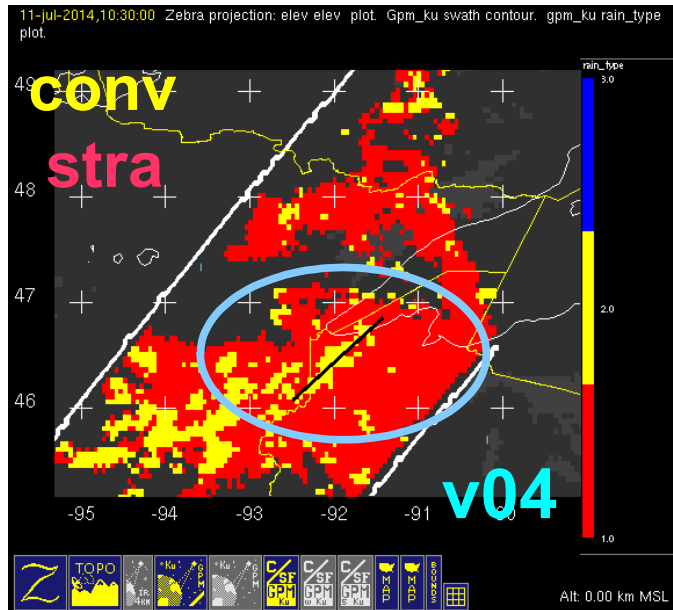
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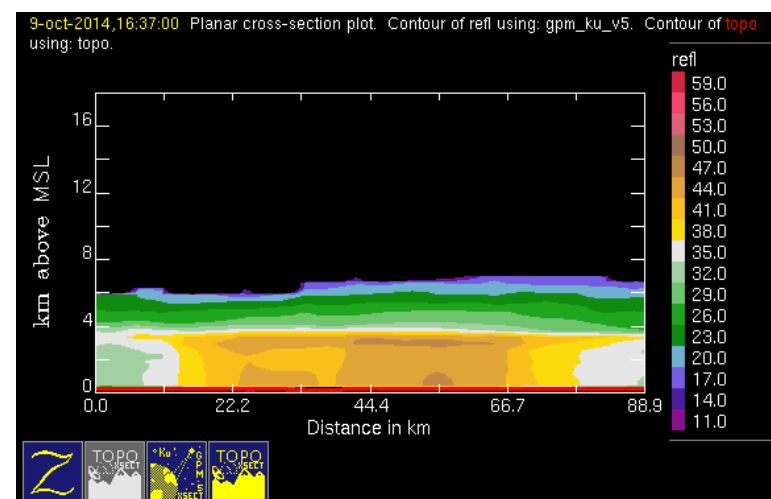
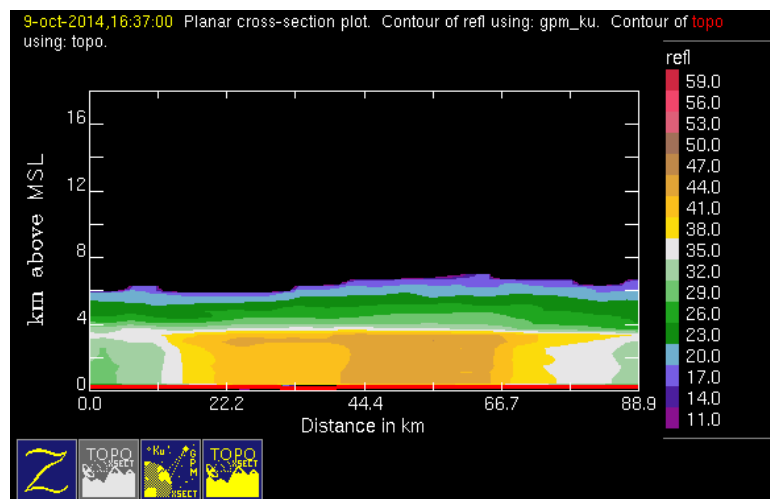
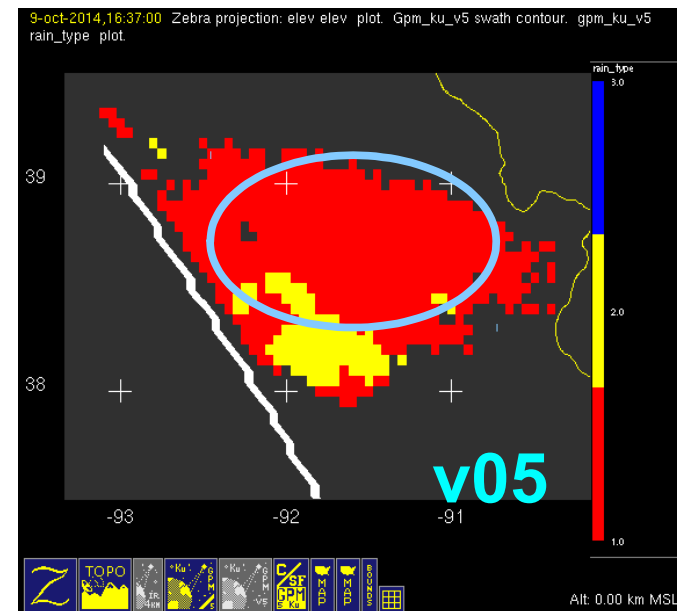
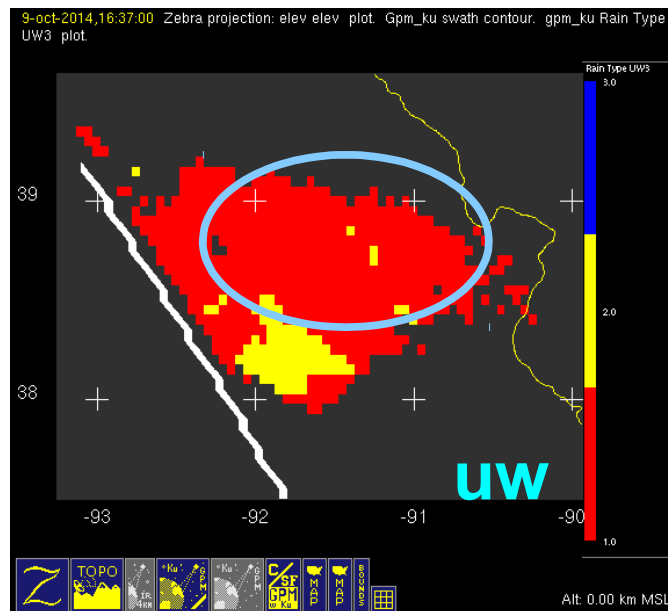
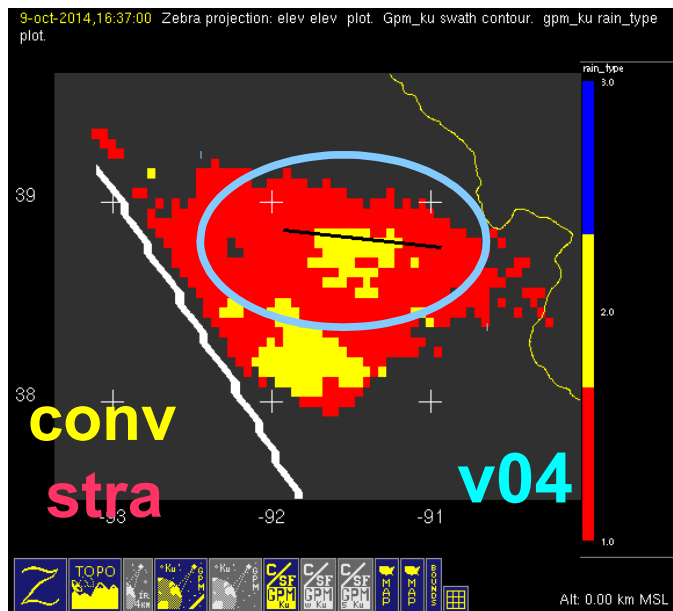
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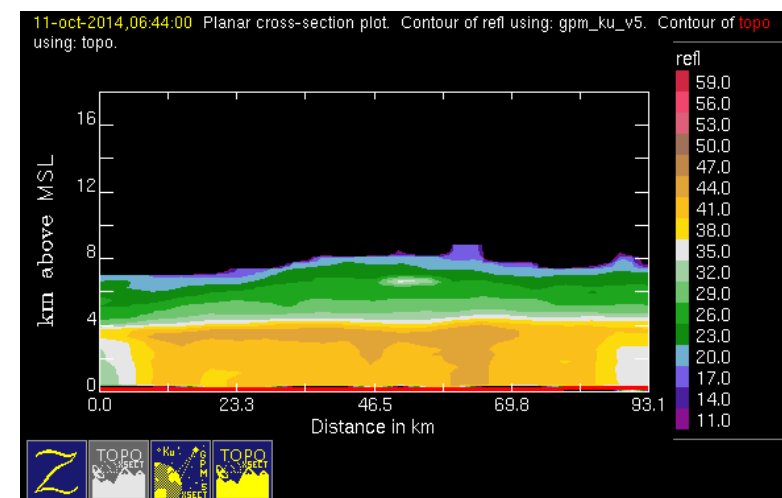
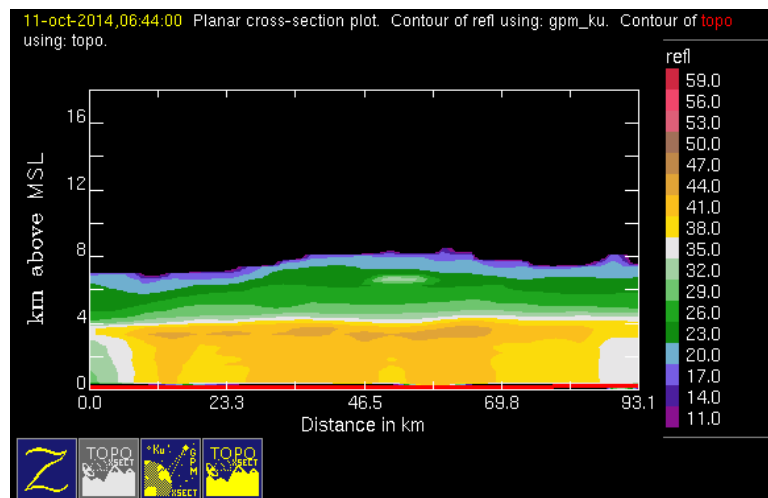
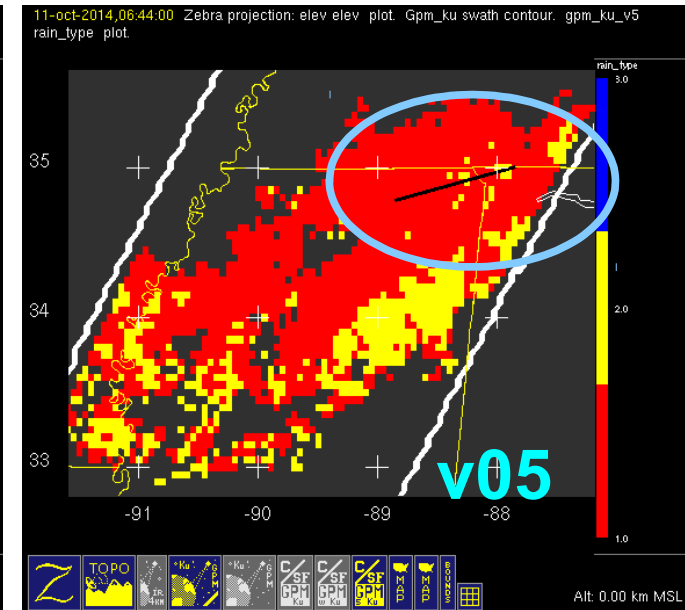
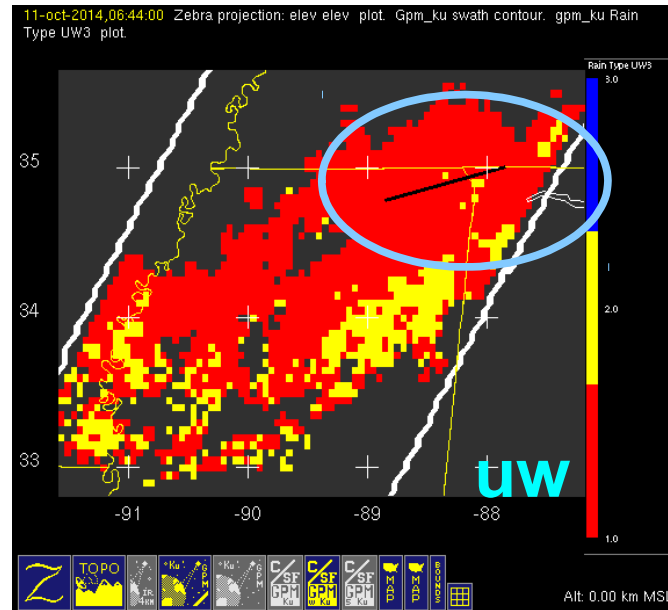
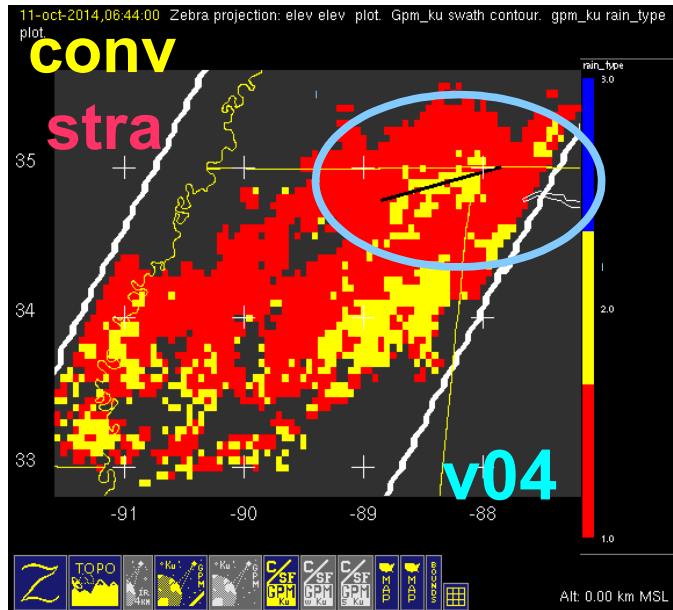
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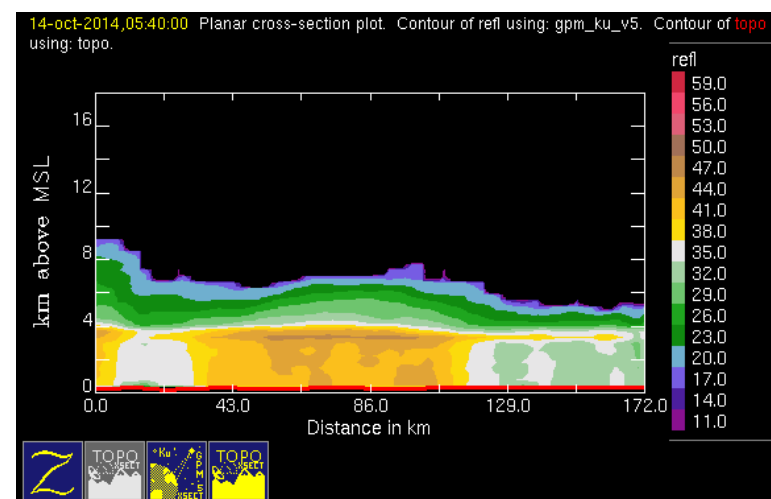
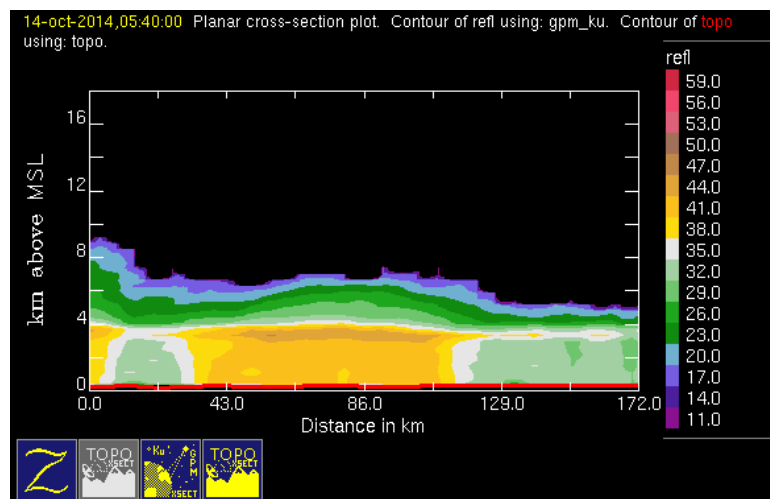
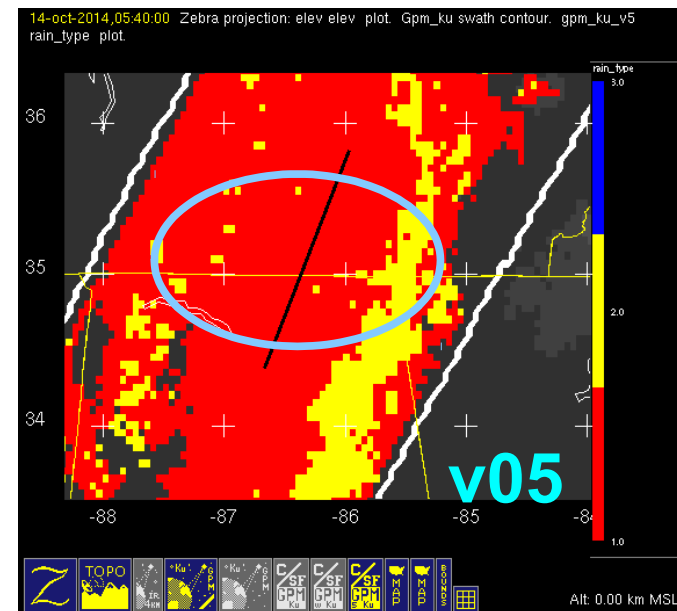
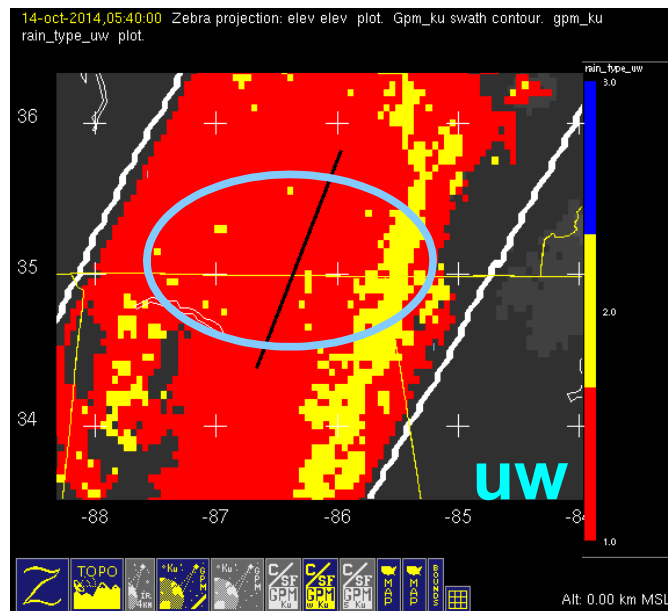
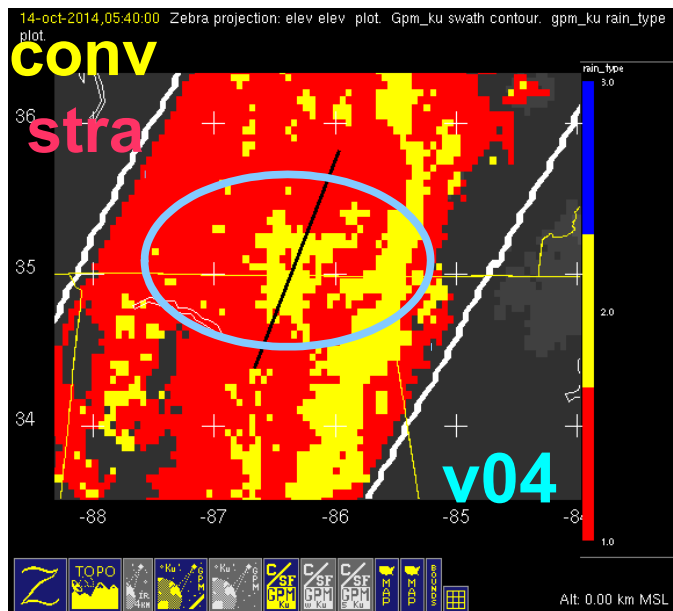
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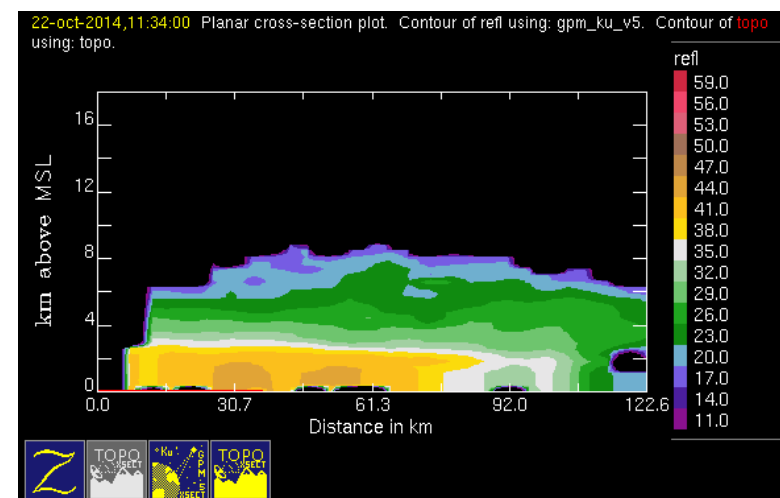
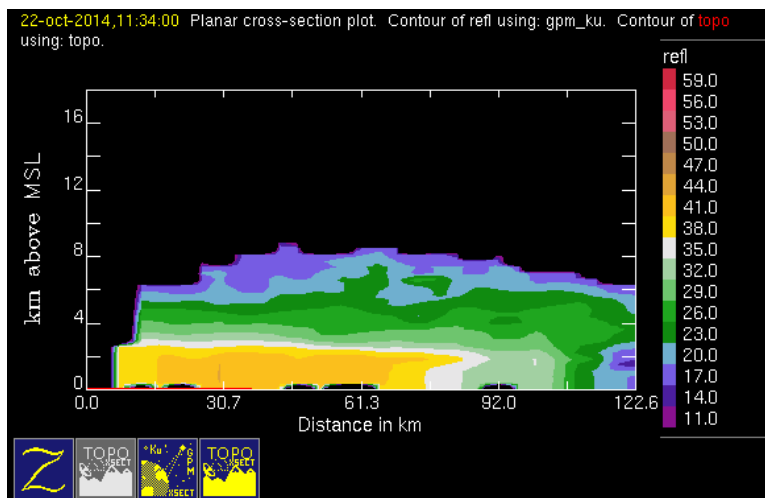
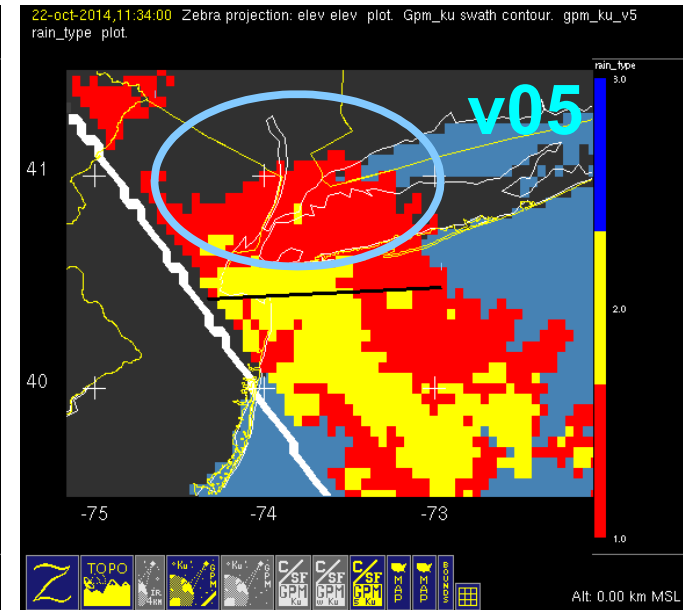
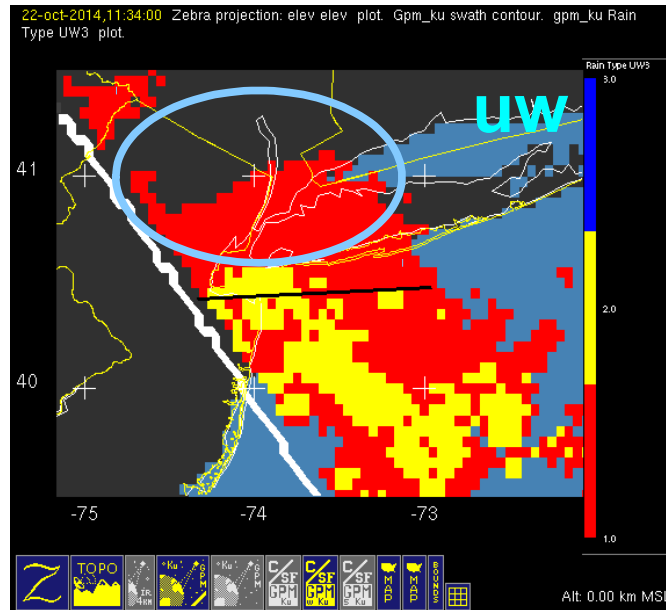
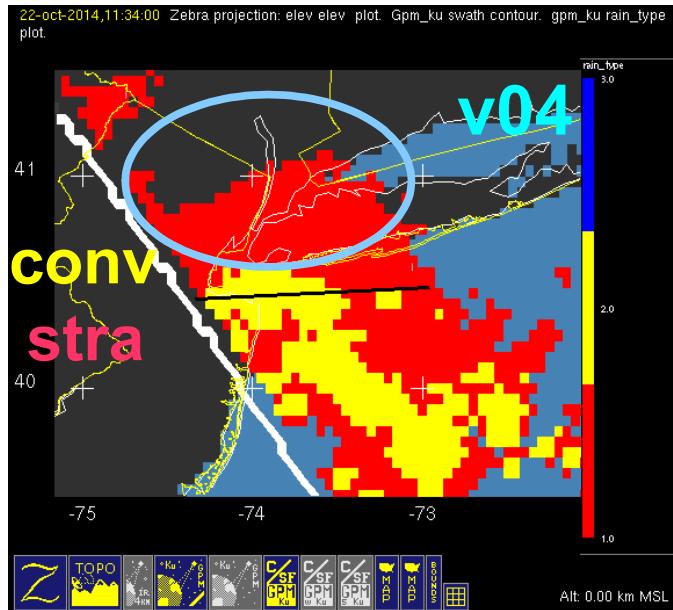
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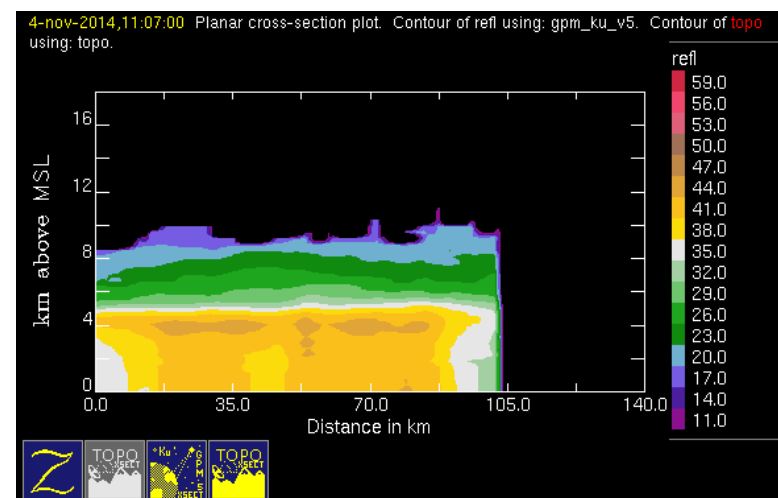
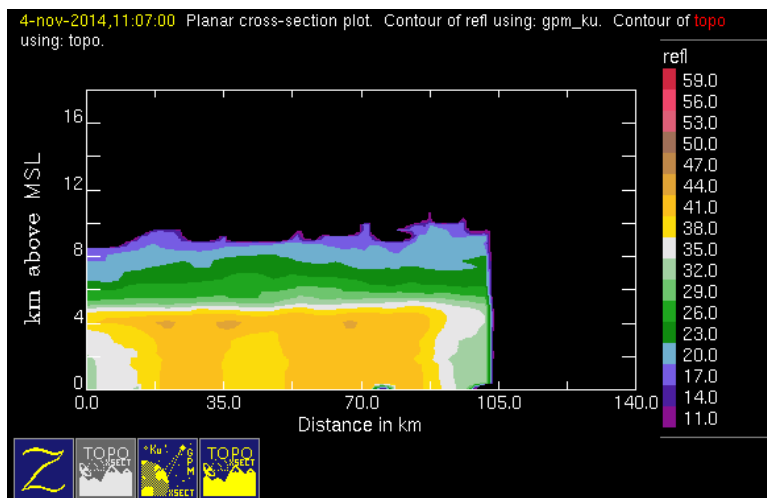
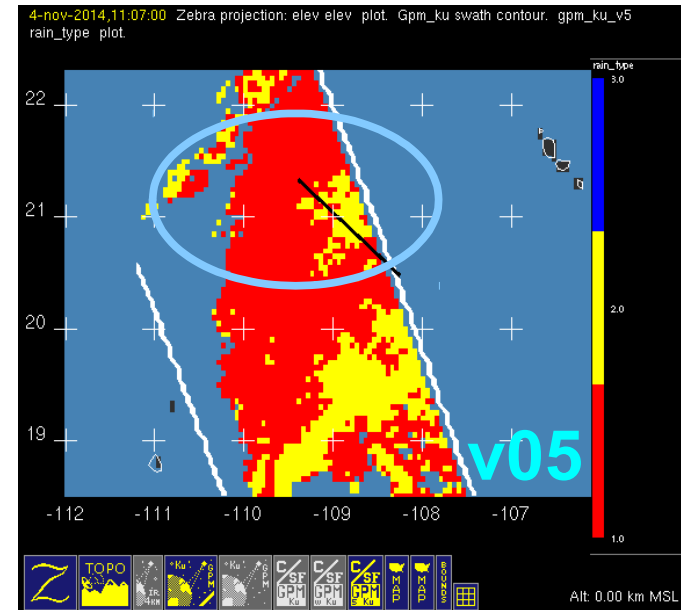
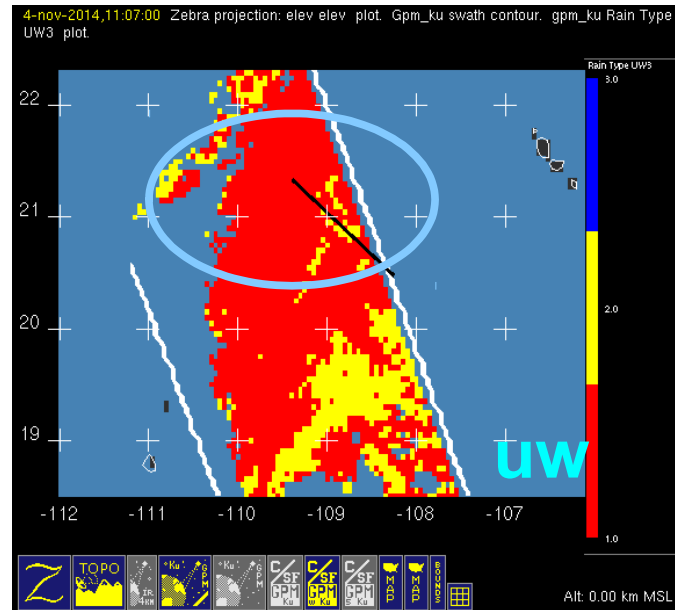
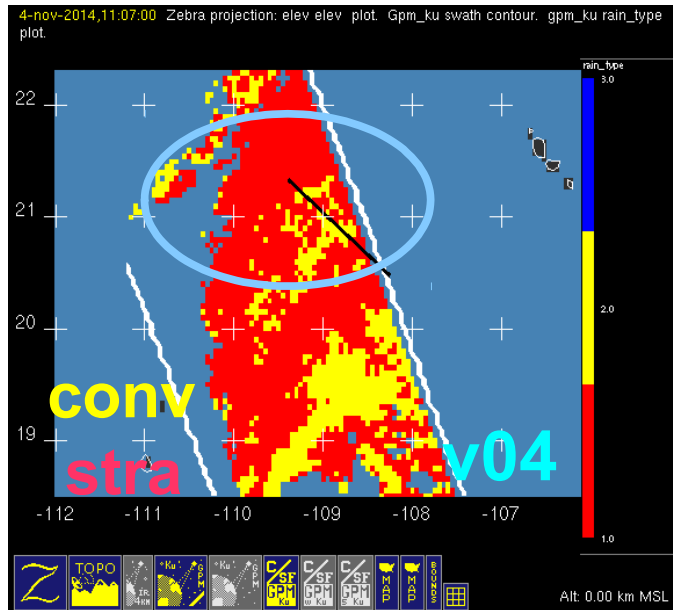
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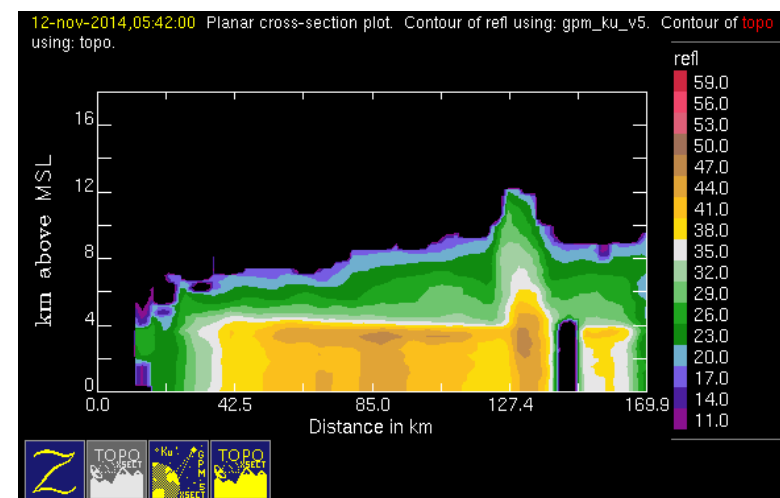
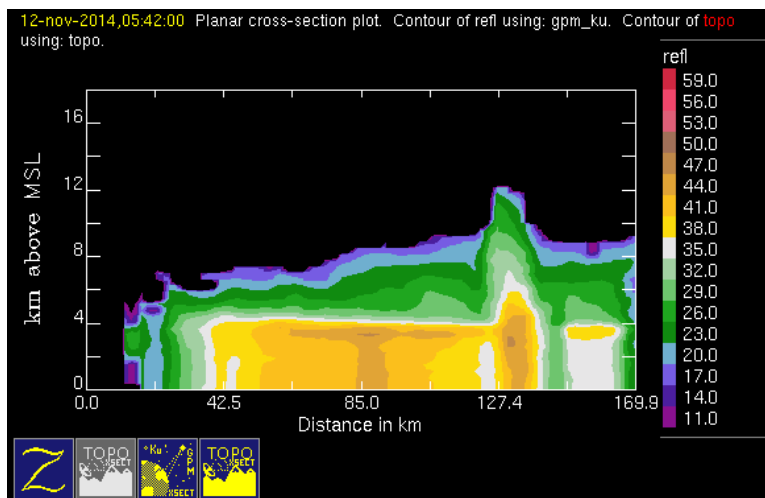
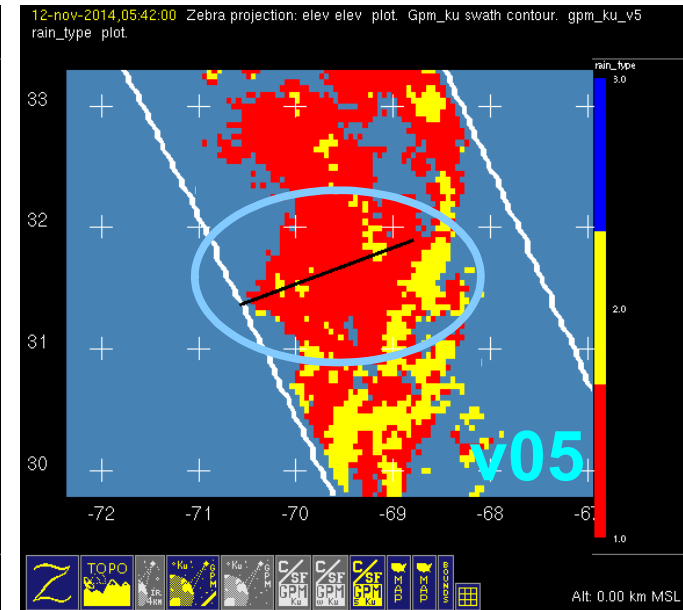
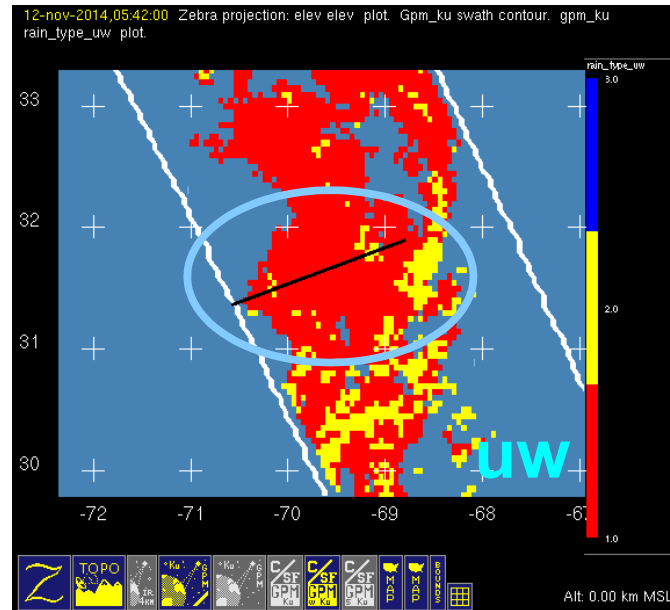
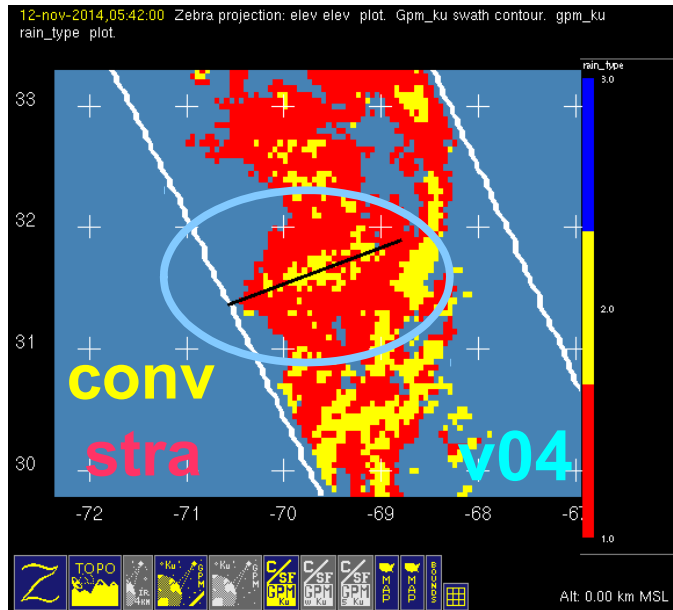
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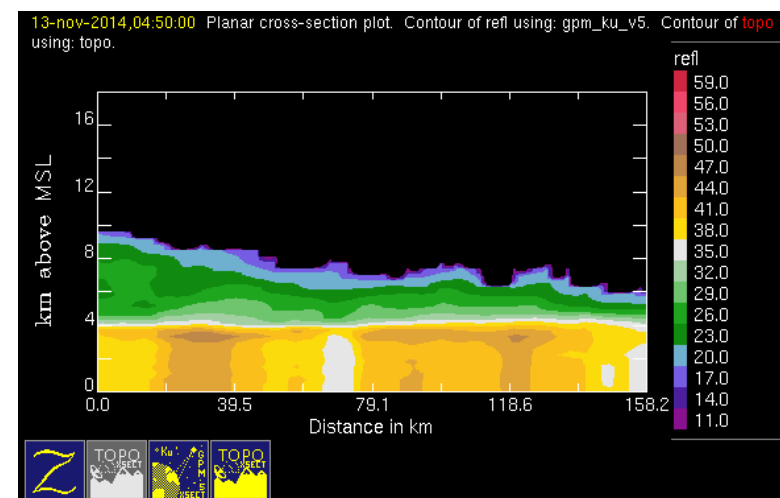
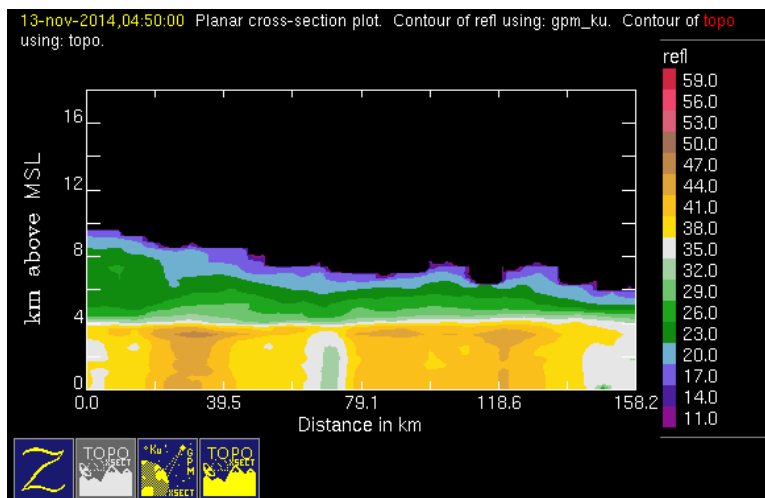
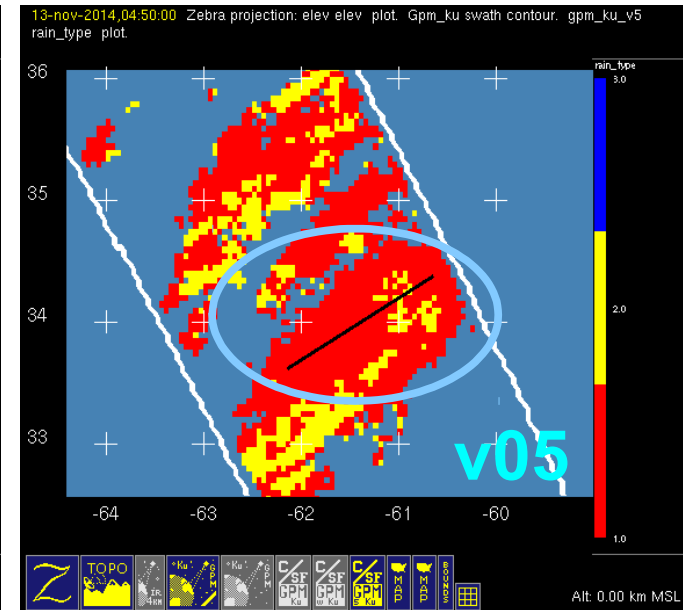
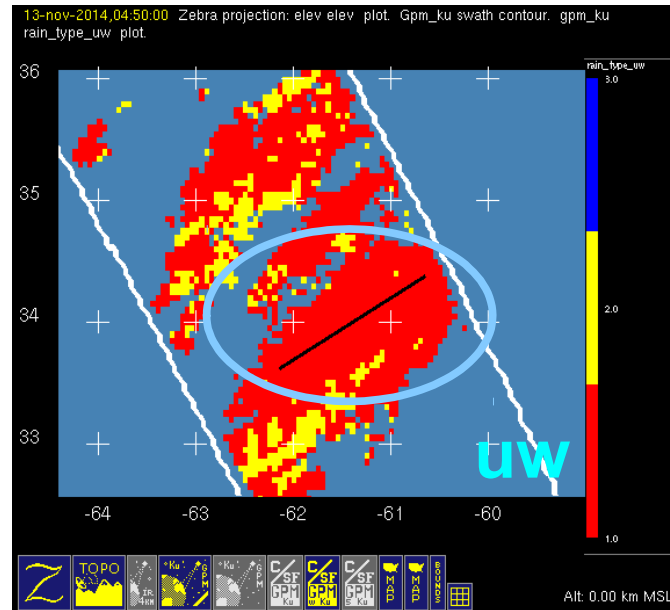
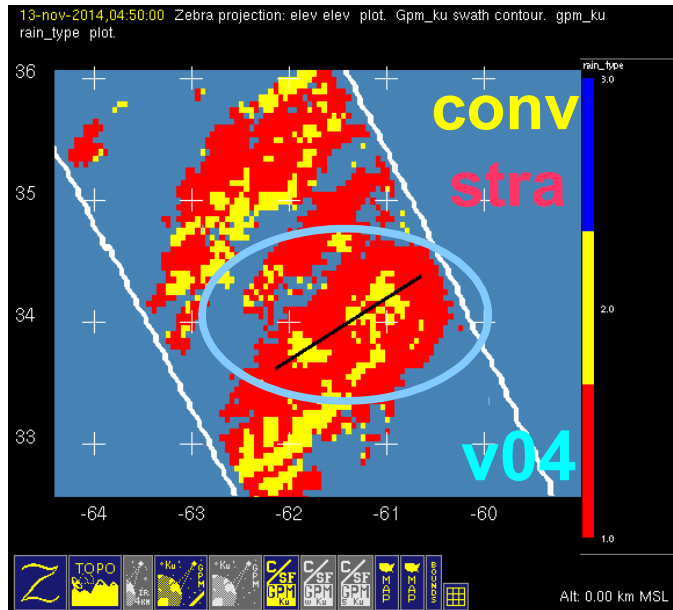
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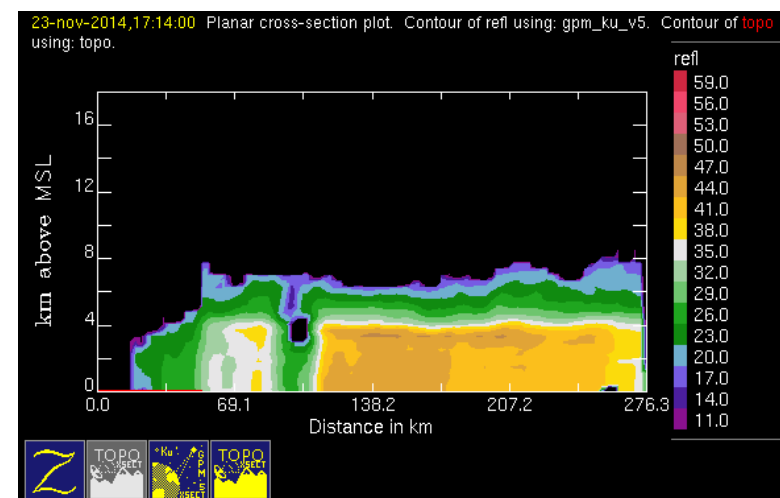
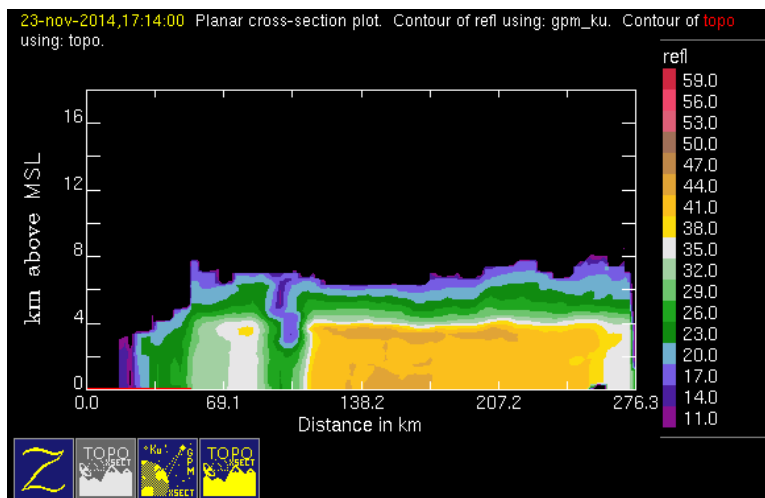
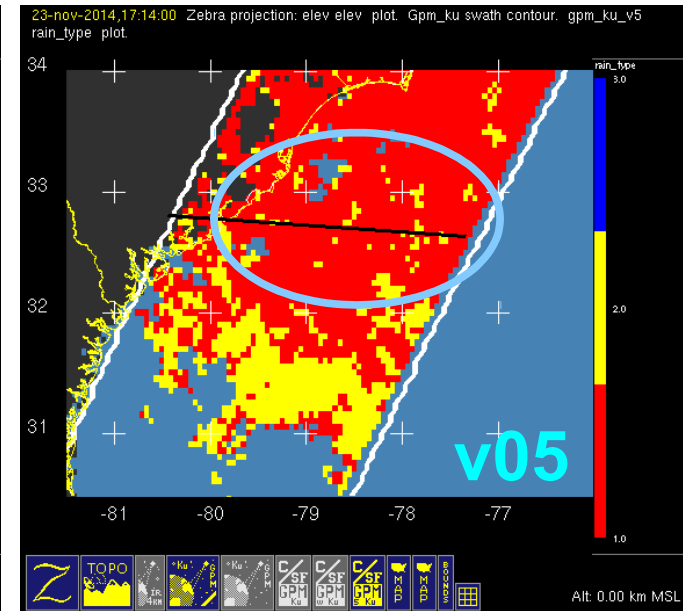
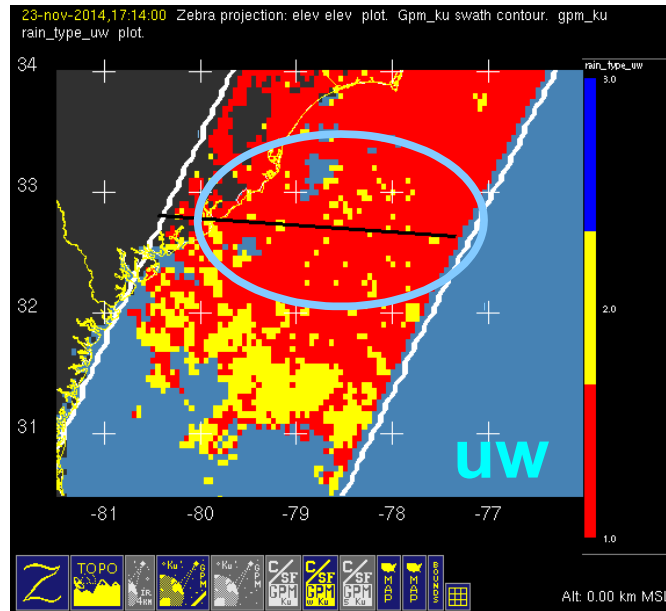
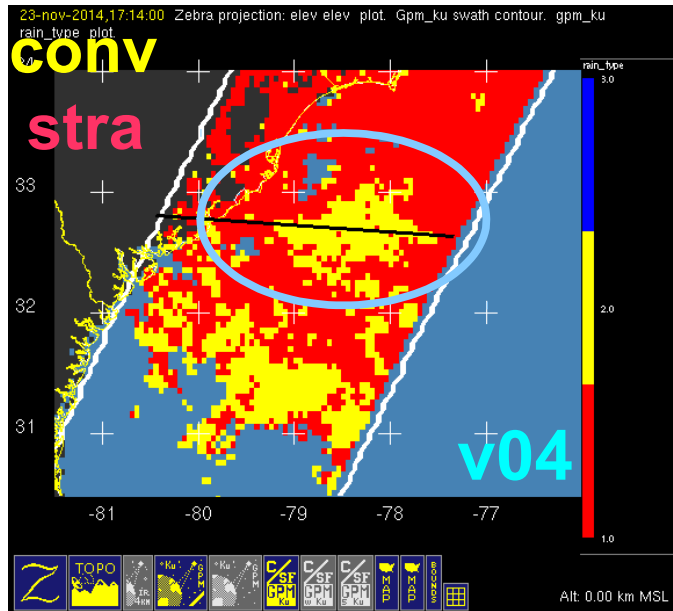
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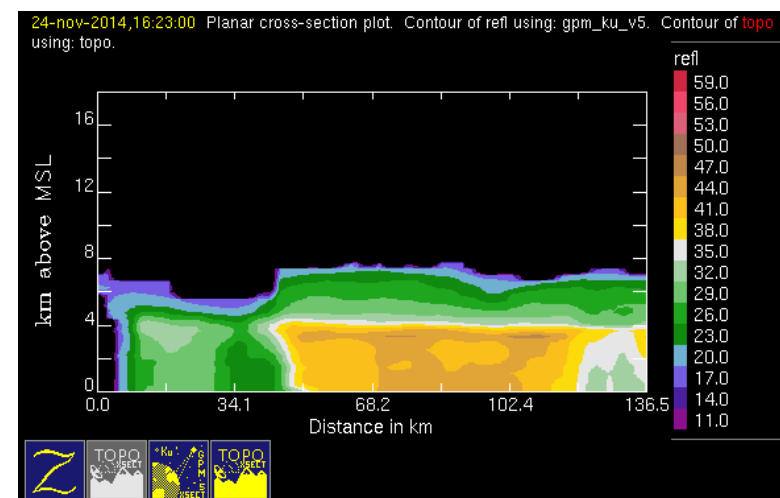
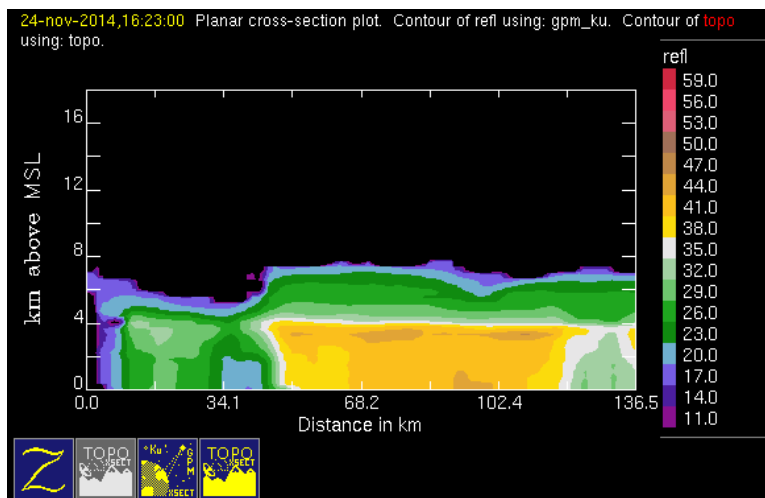
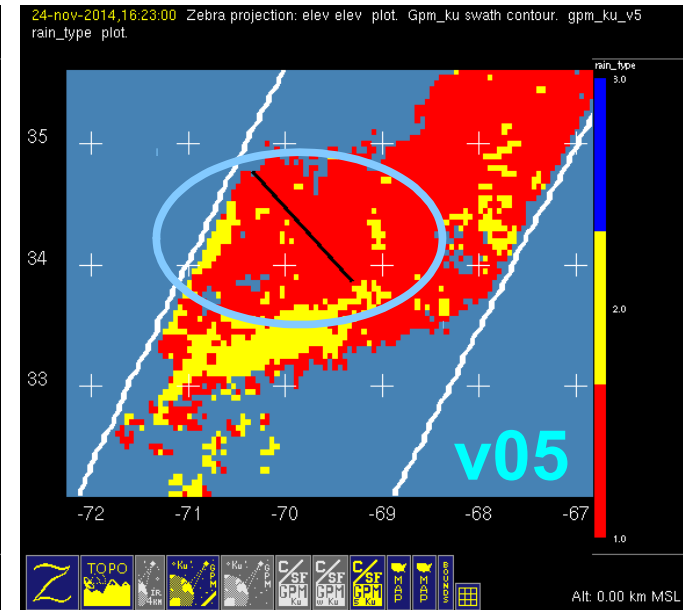
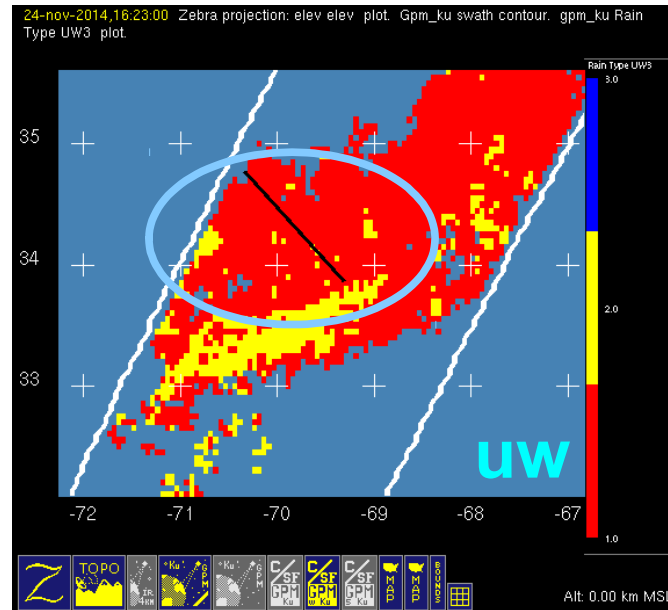
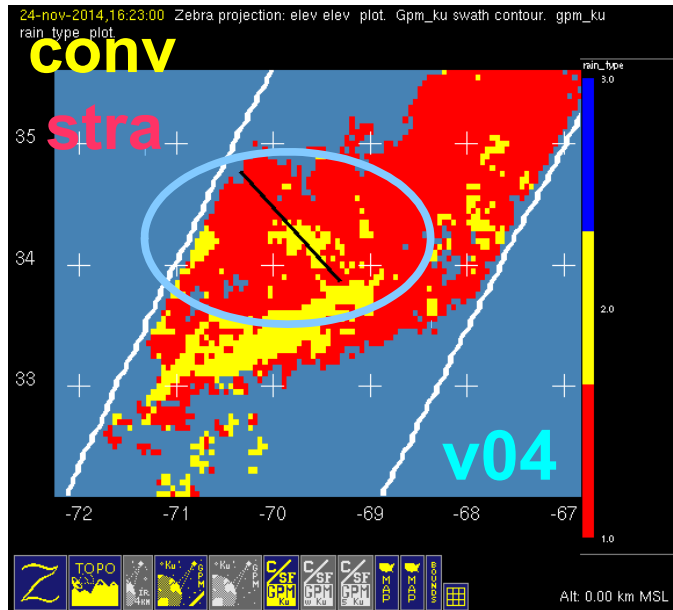
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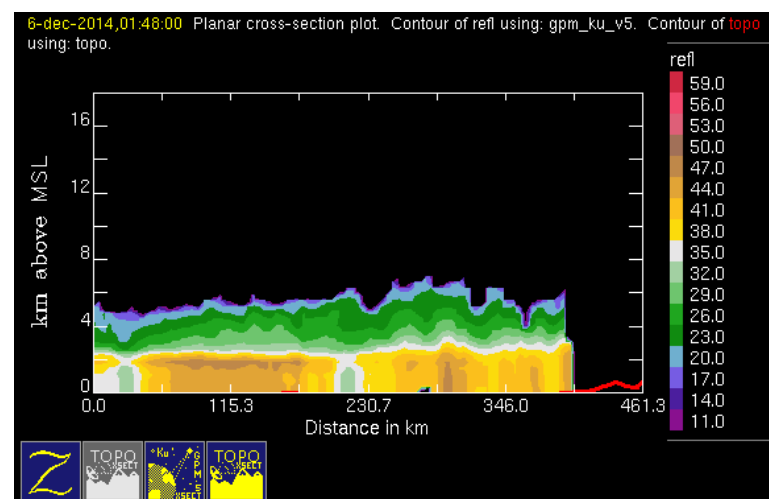
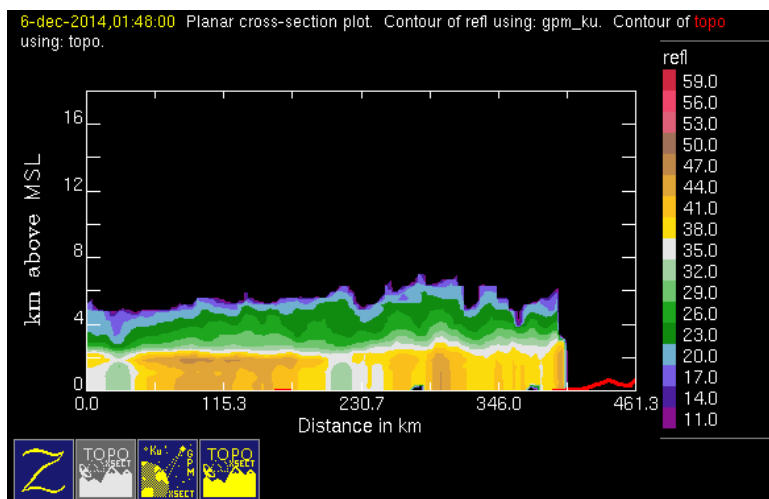
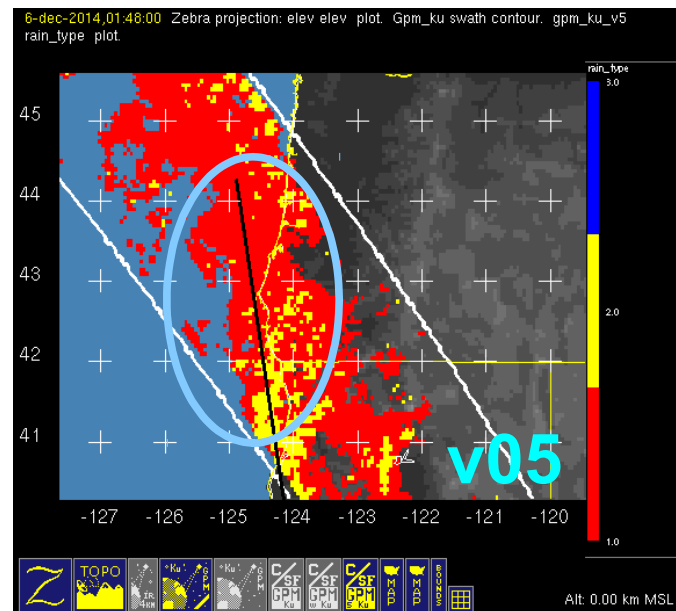
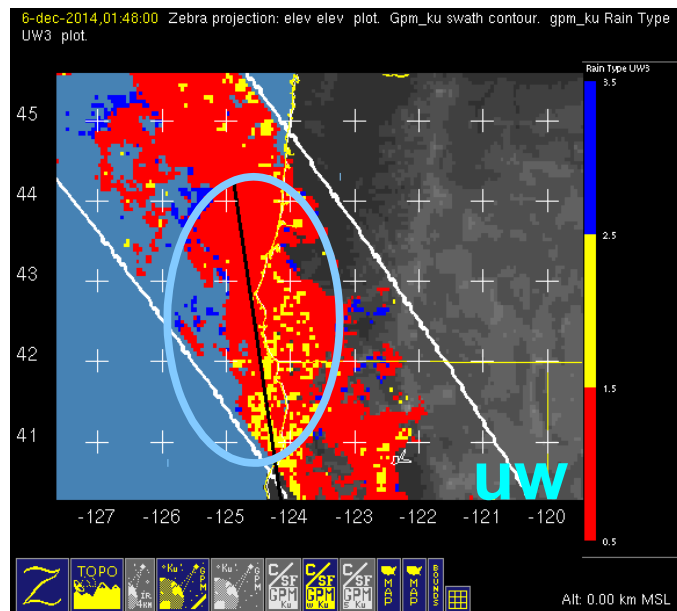
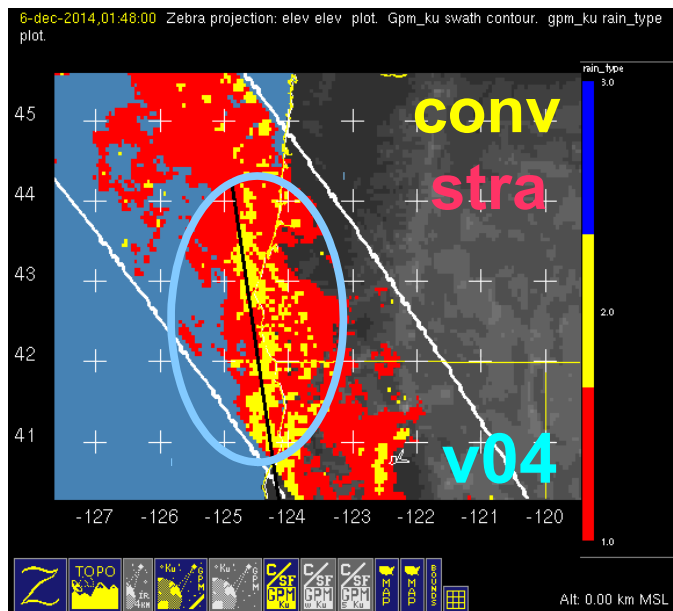
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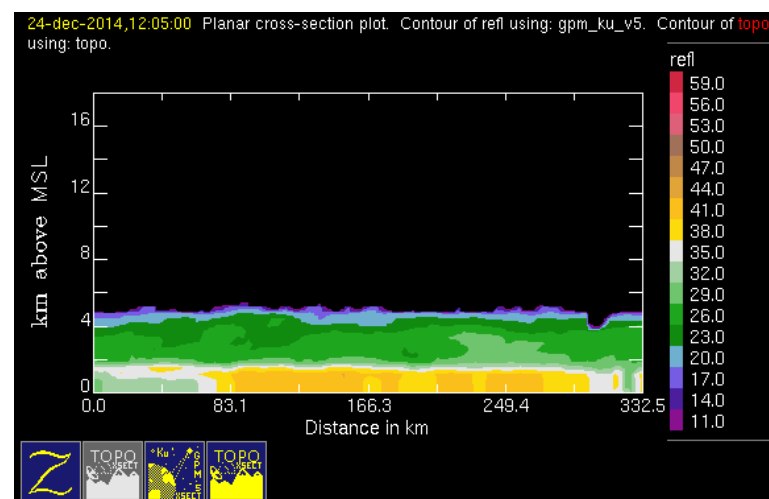
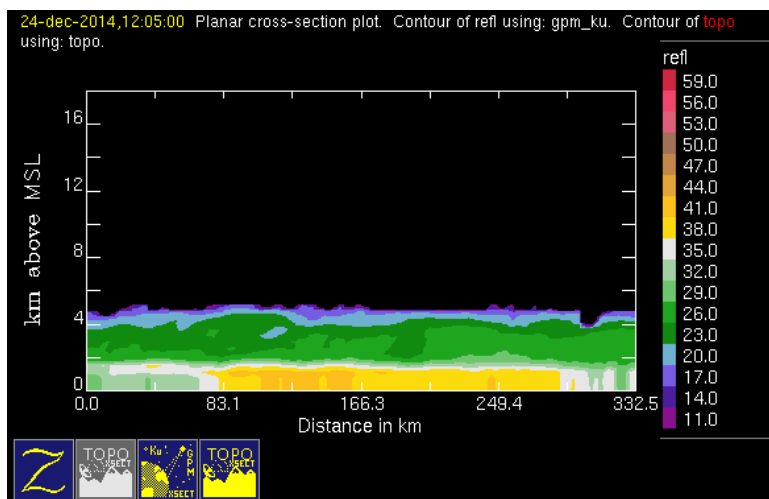
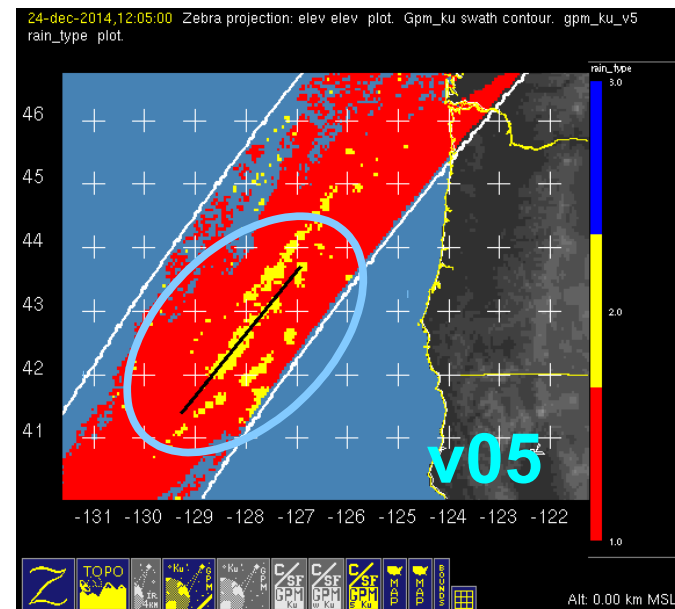
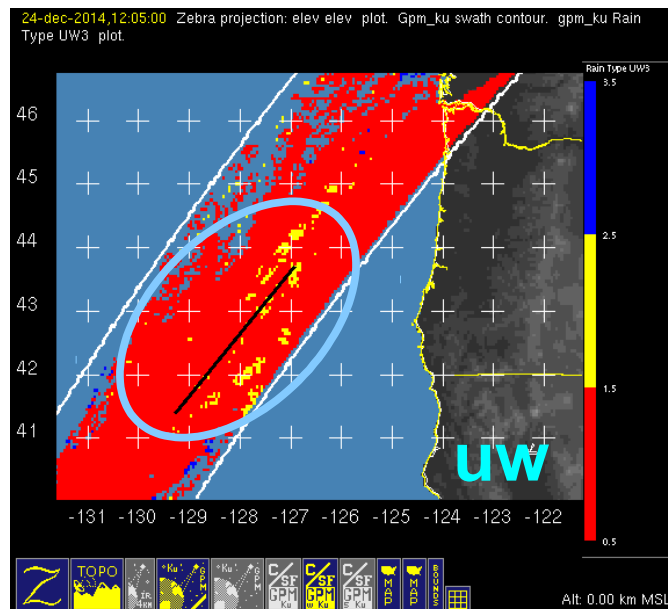
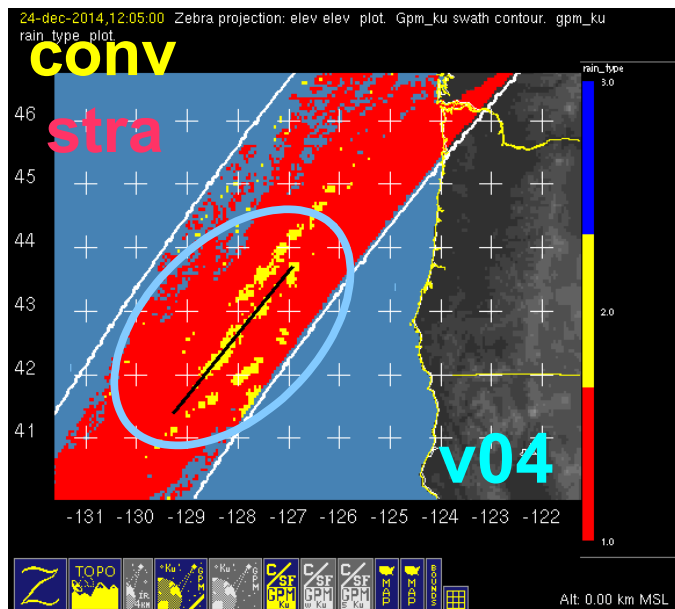
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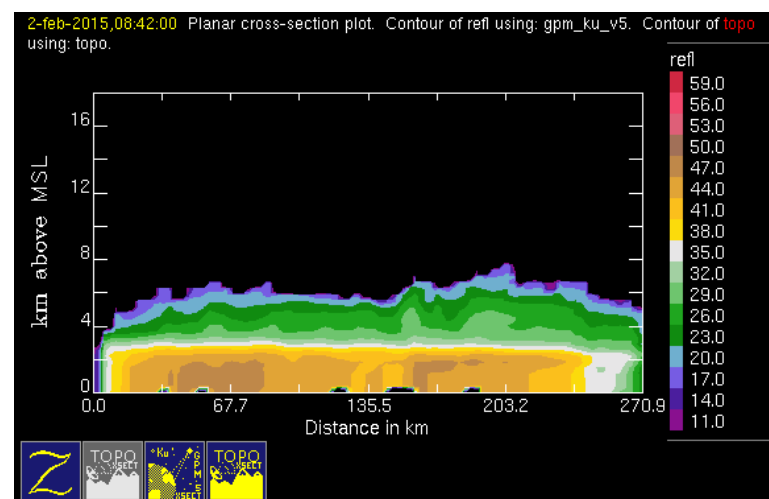
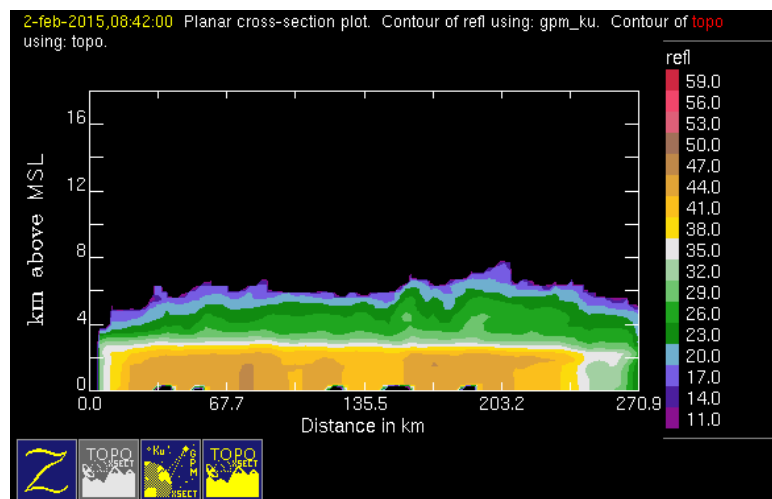
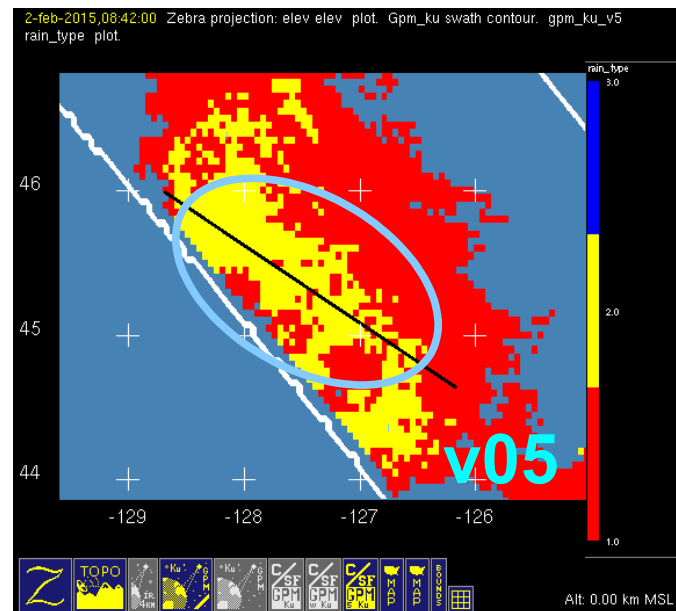
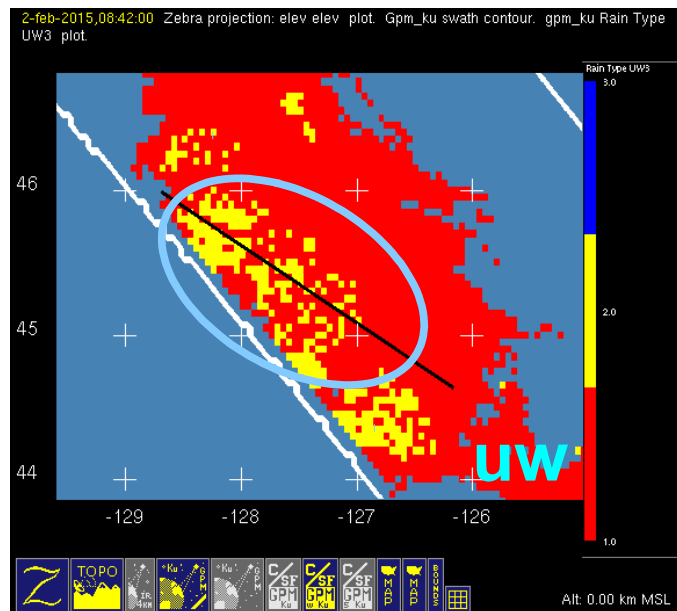
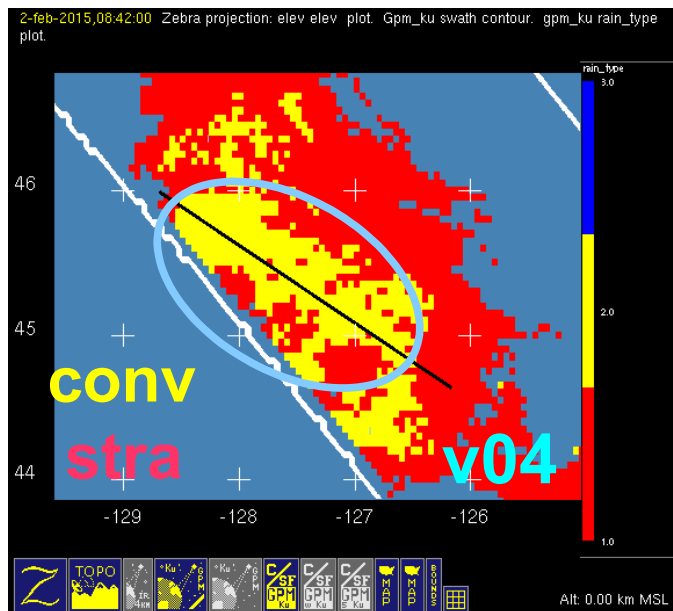
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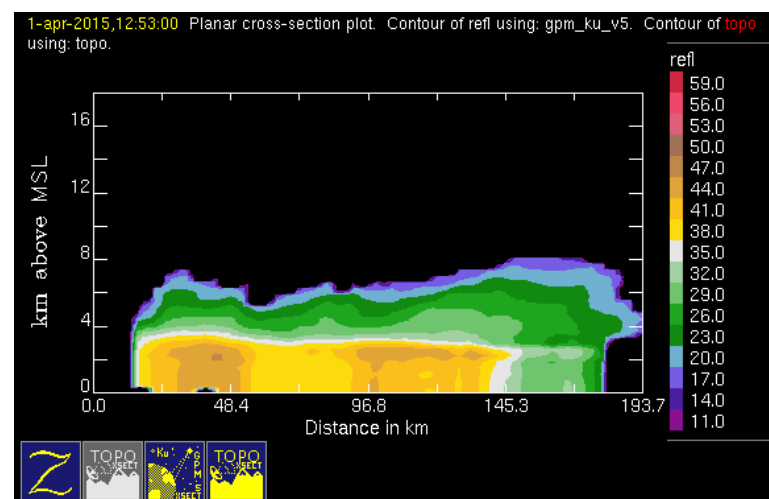
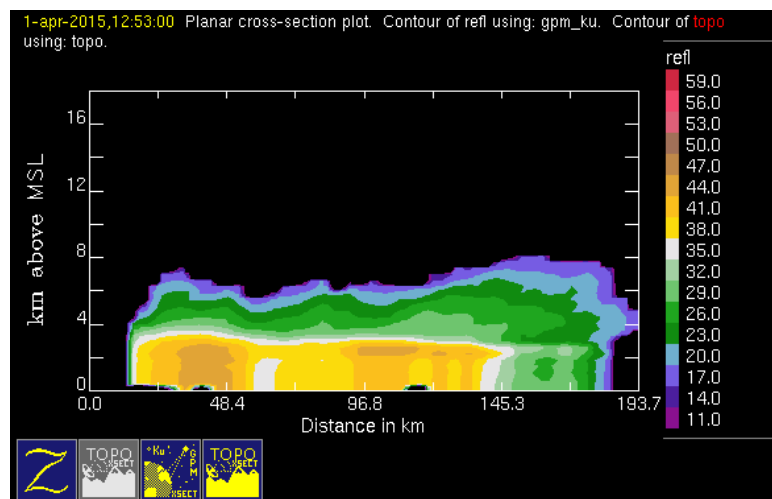
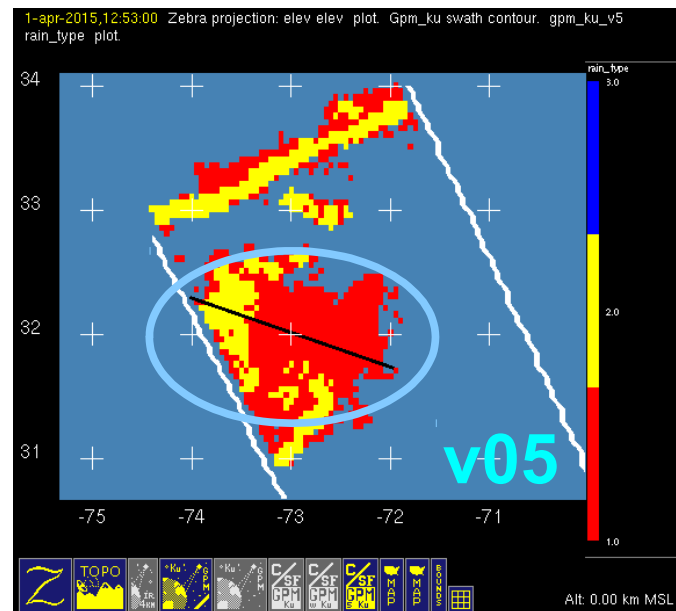
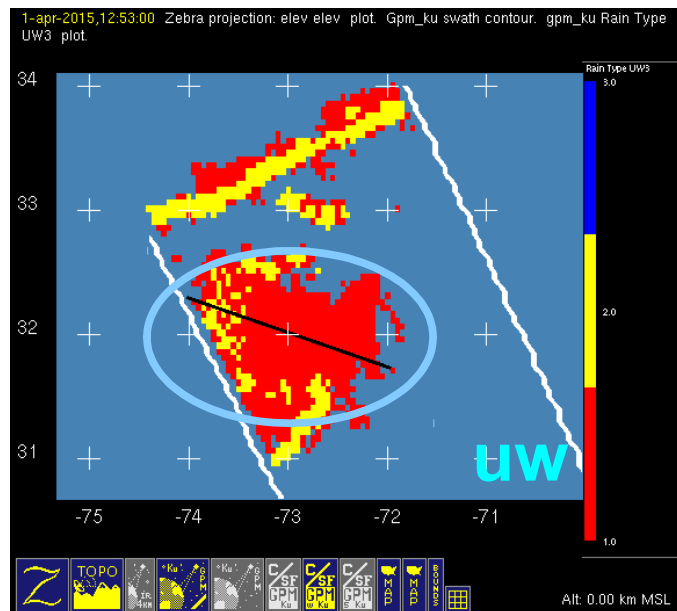
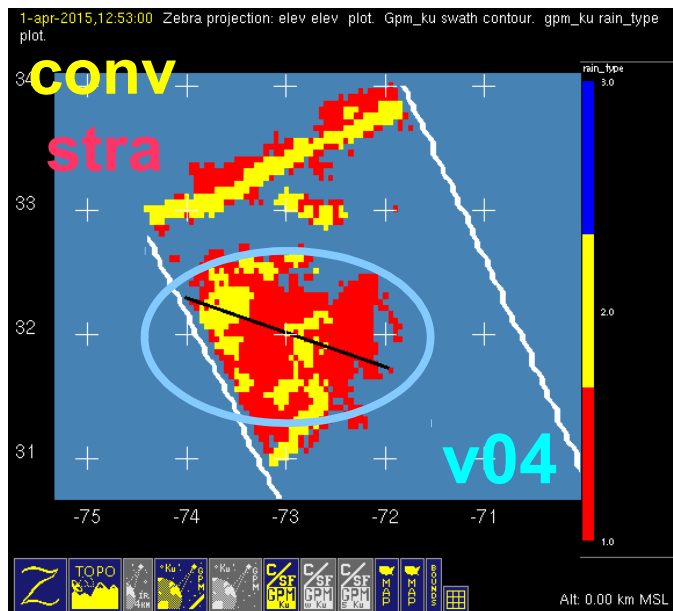
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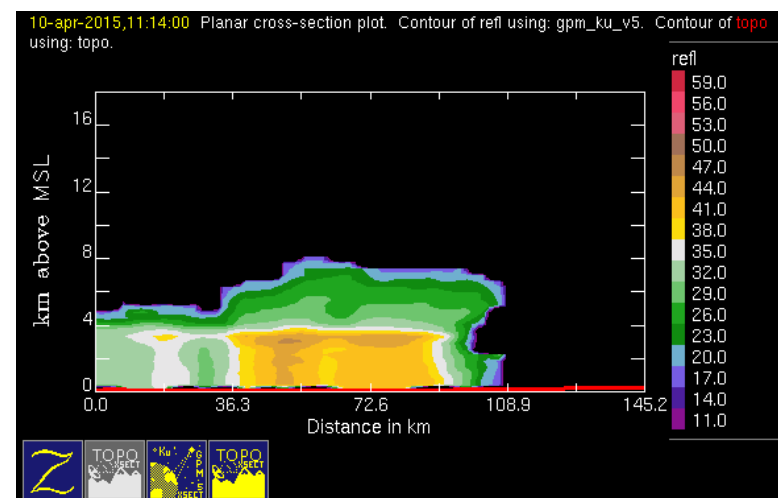
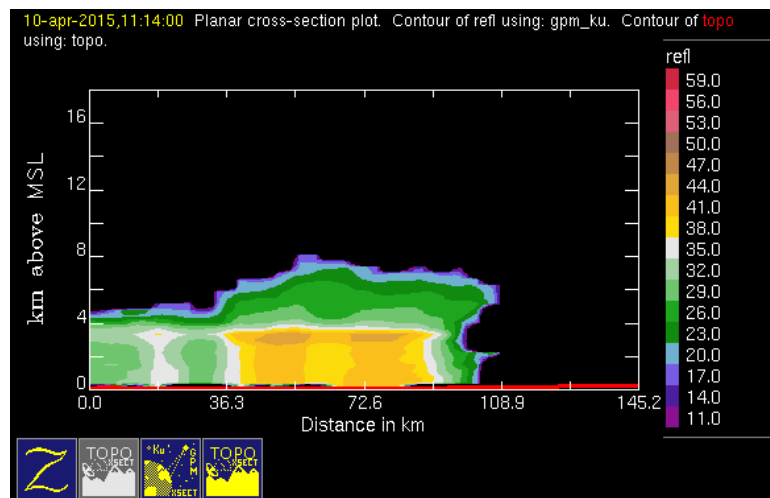
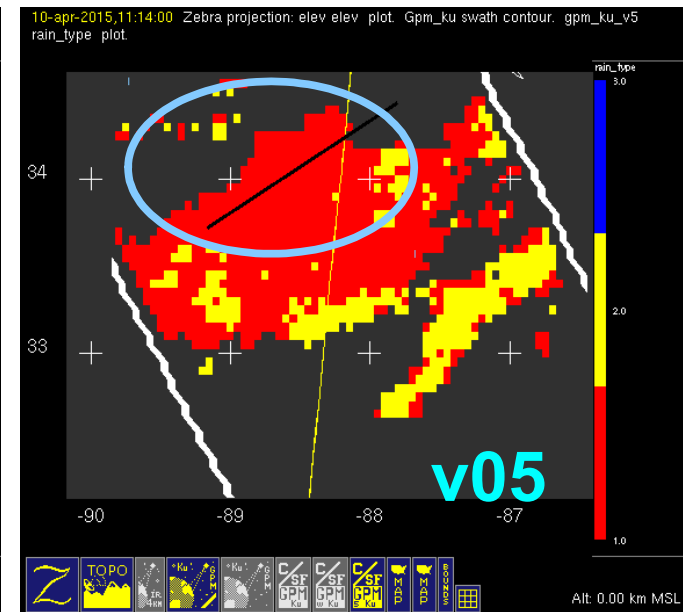
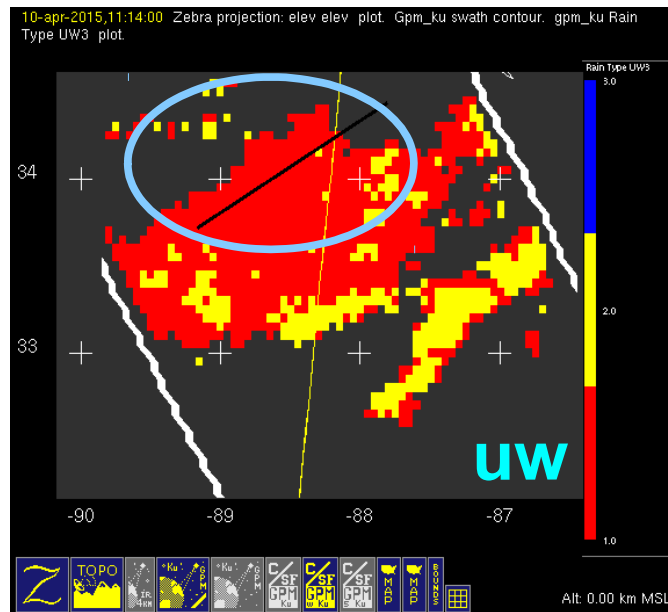
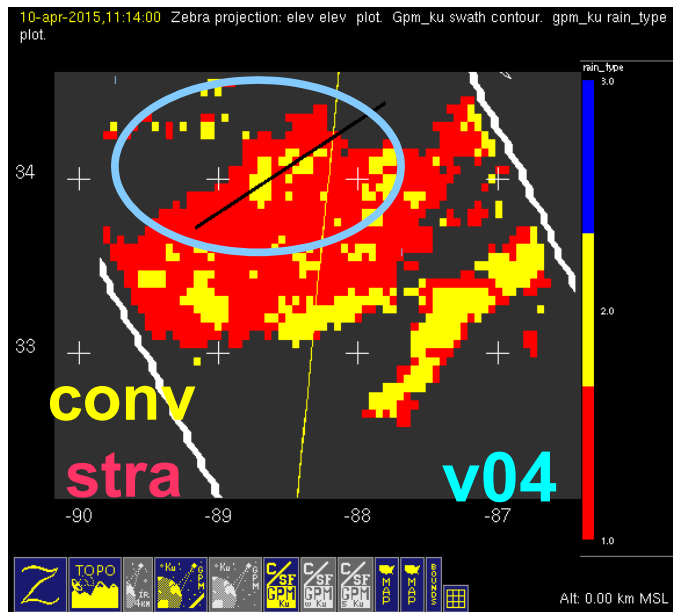
20150202 @ 0842



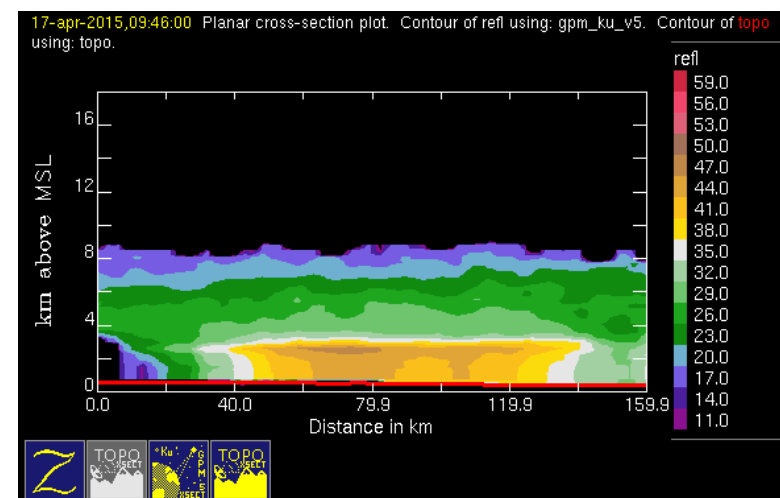
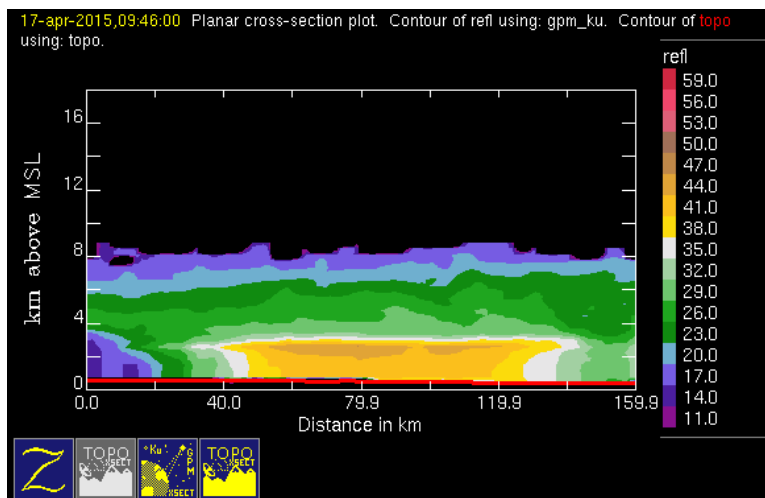
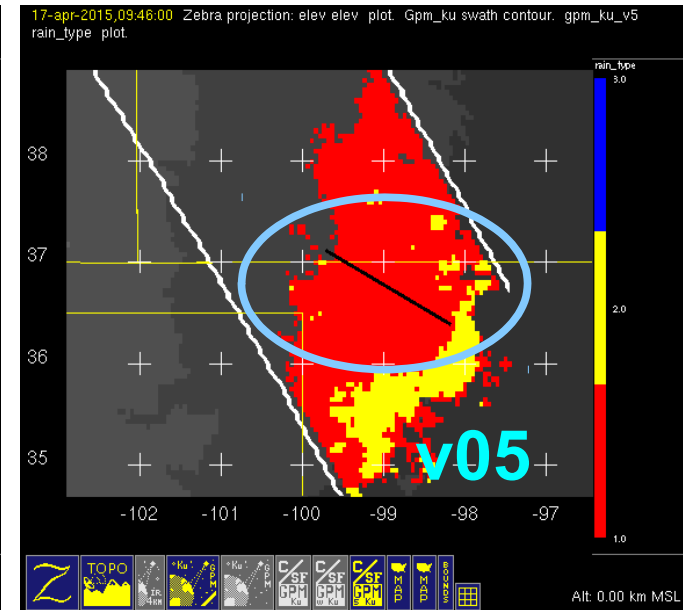
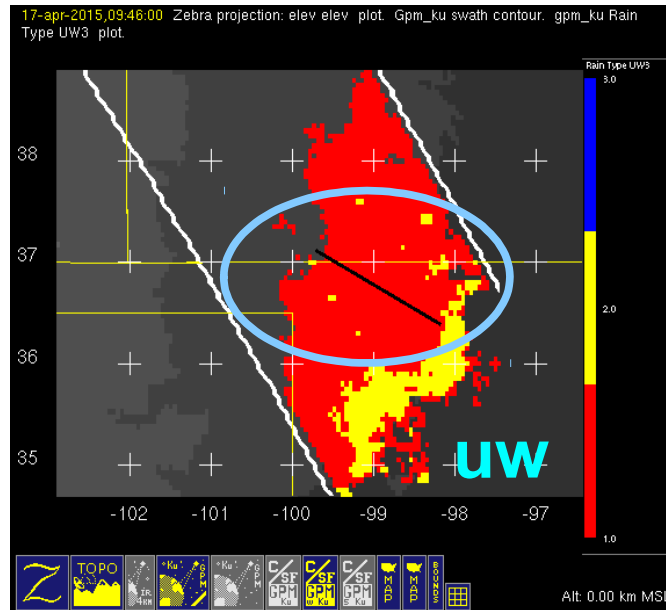
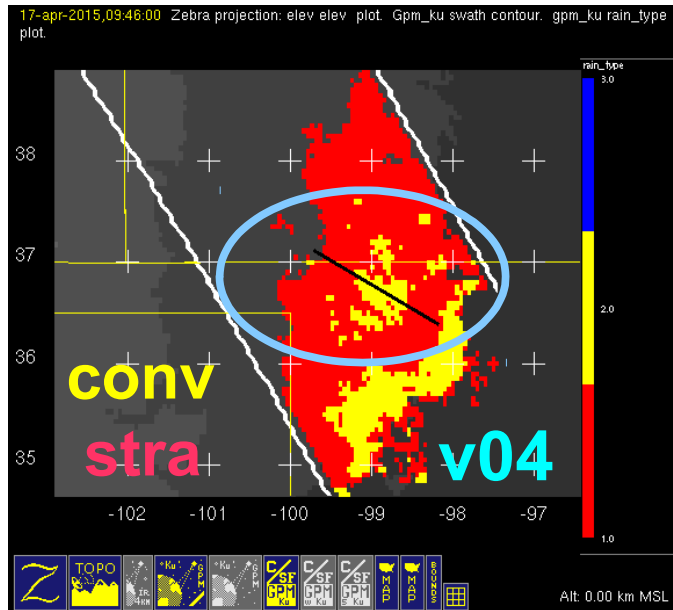
20150401 @ 1253



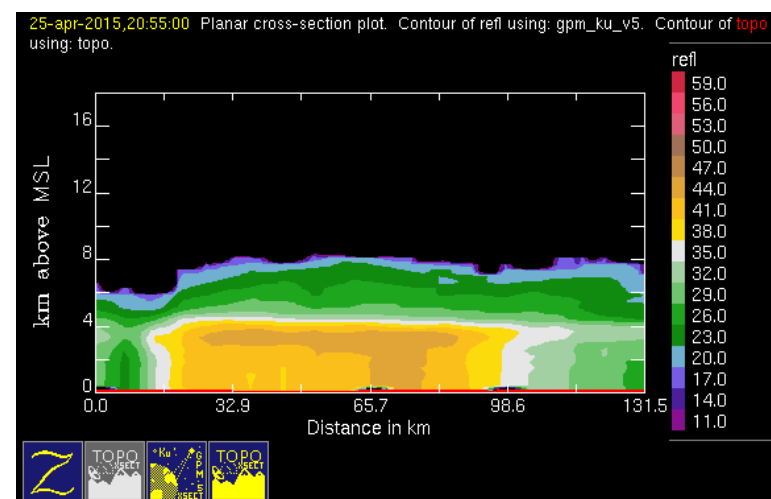
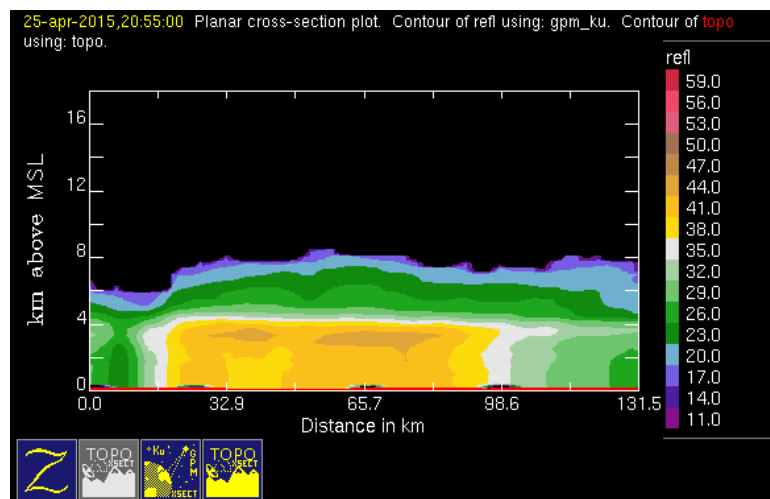
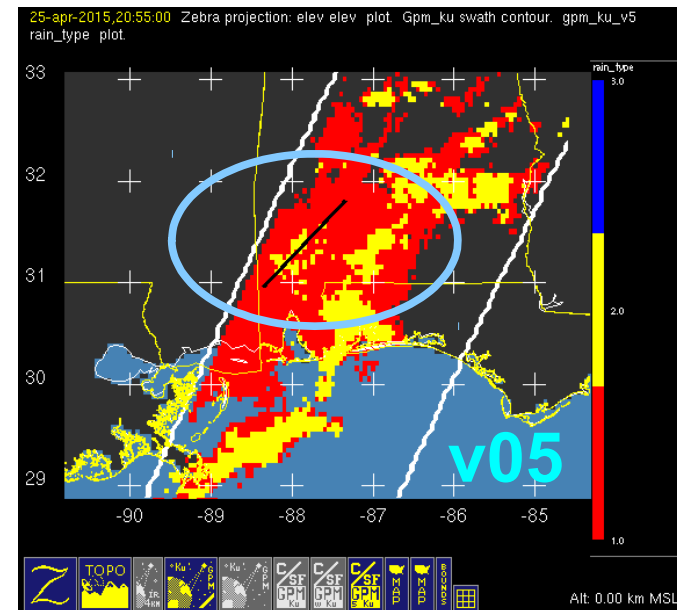
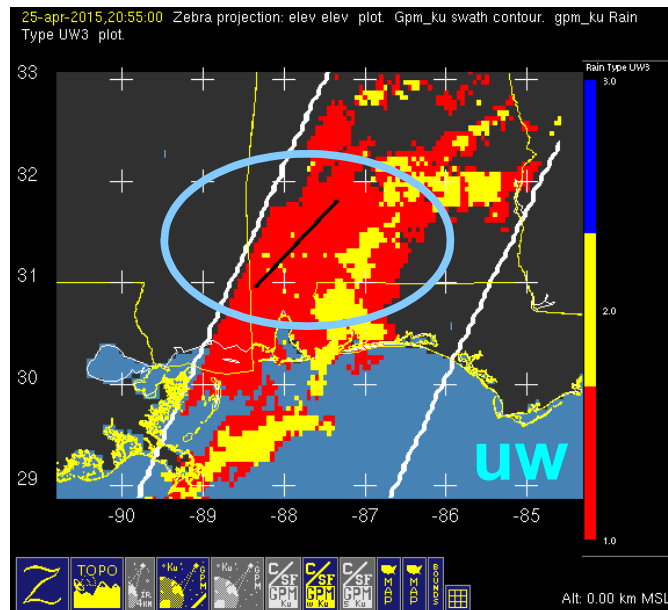
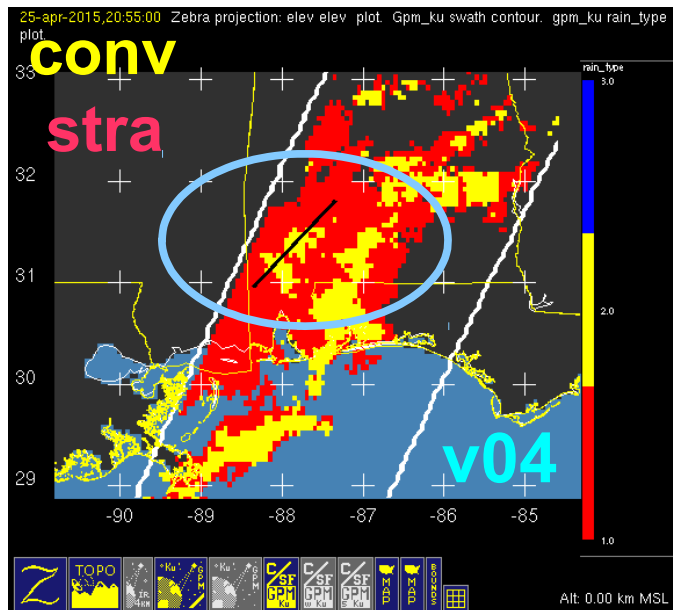
20150410 @ 1114



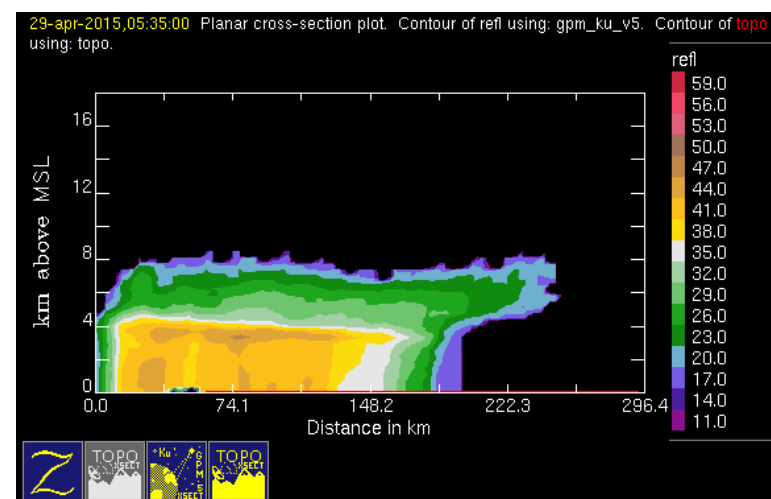
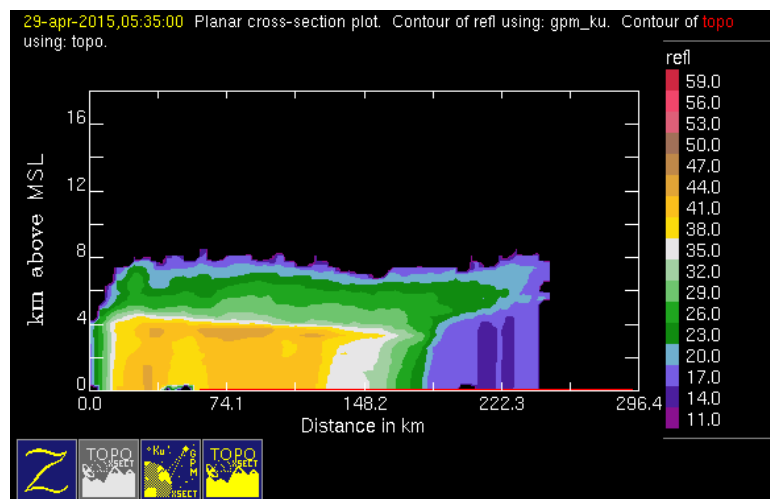
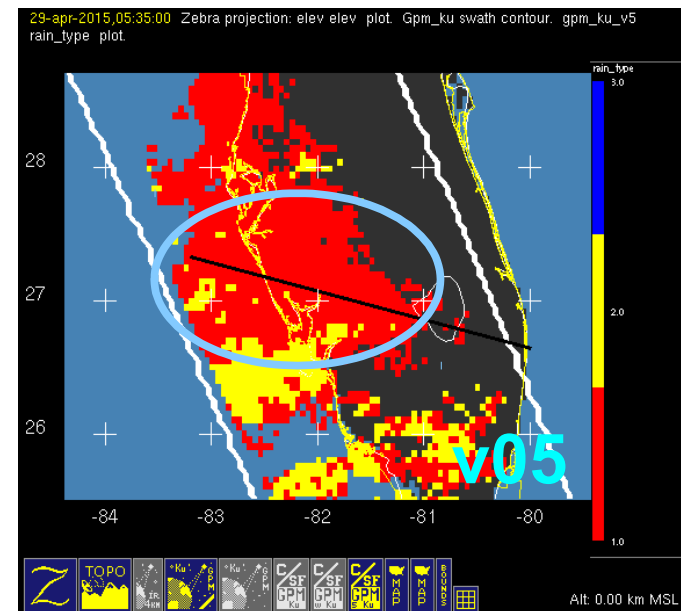
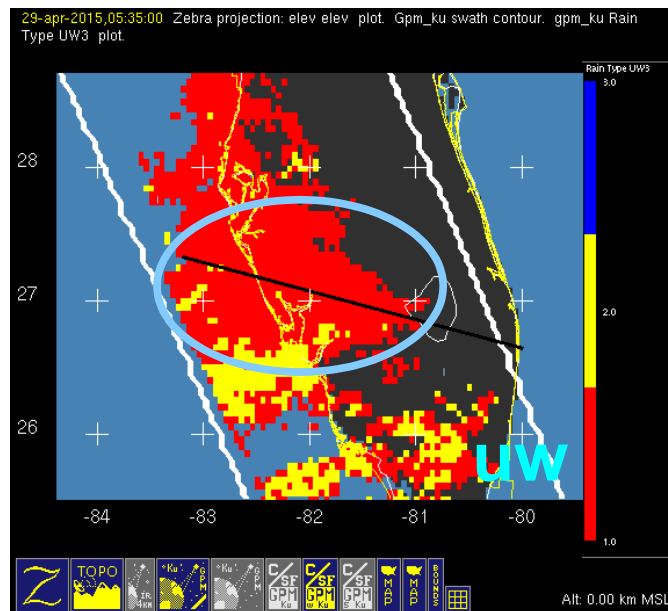
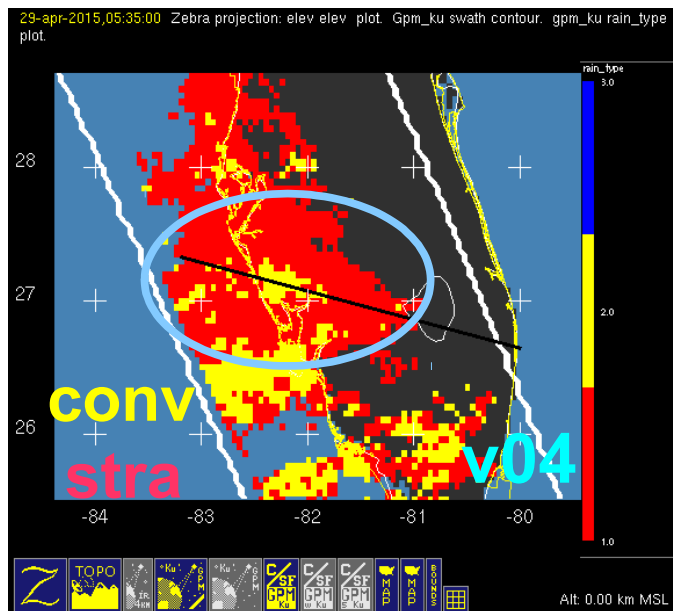
20150417 @ 0946



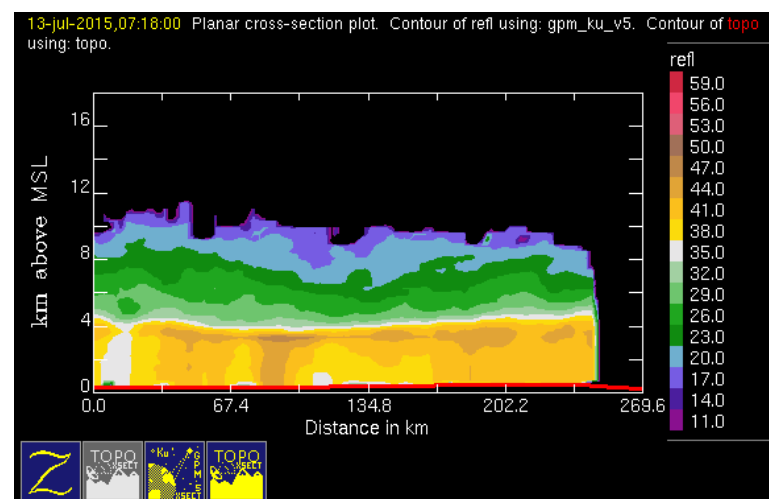
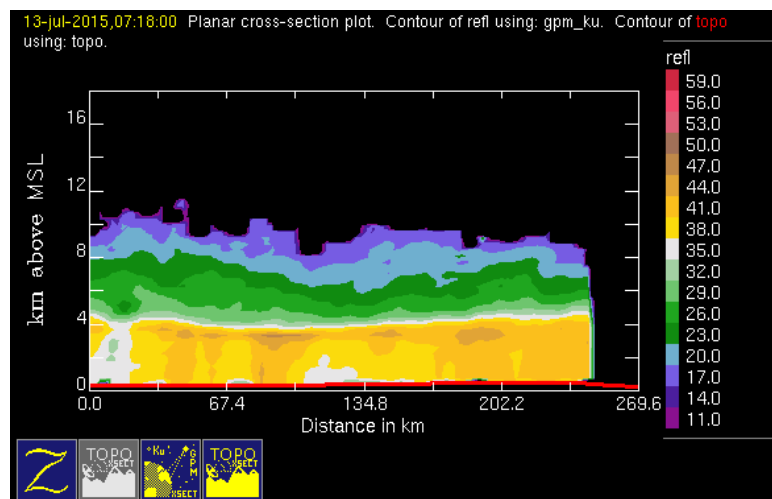
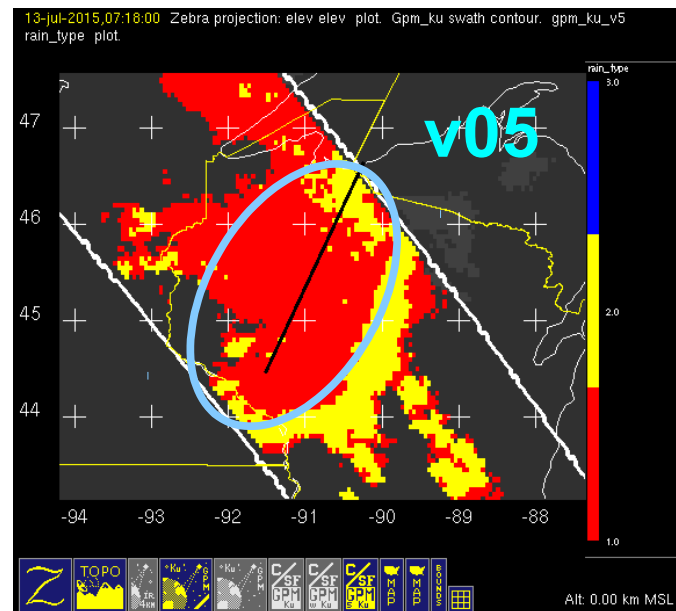
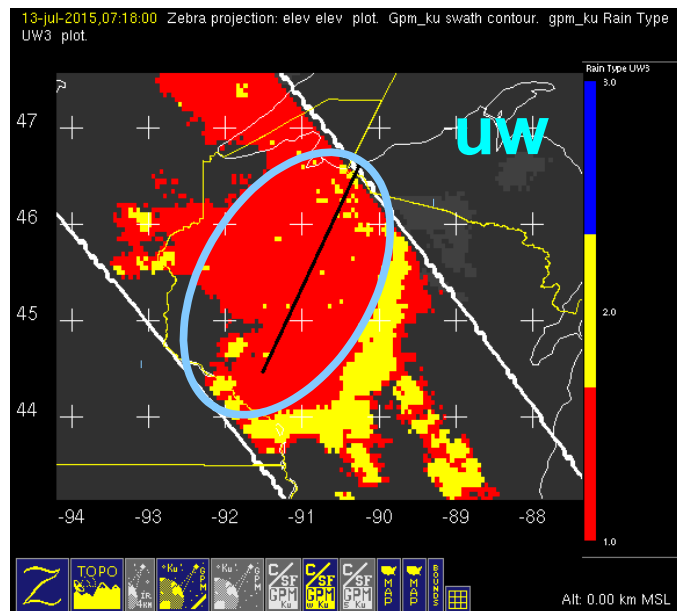
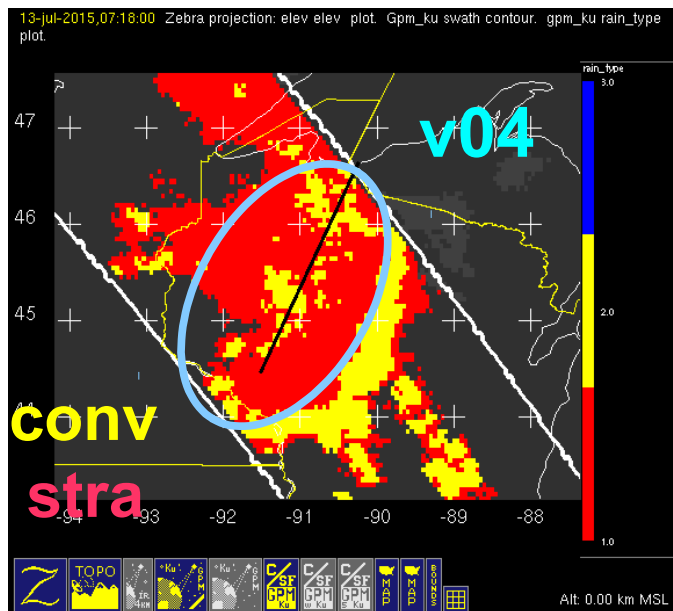
20150425 @ 2055



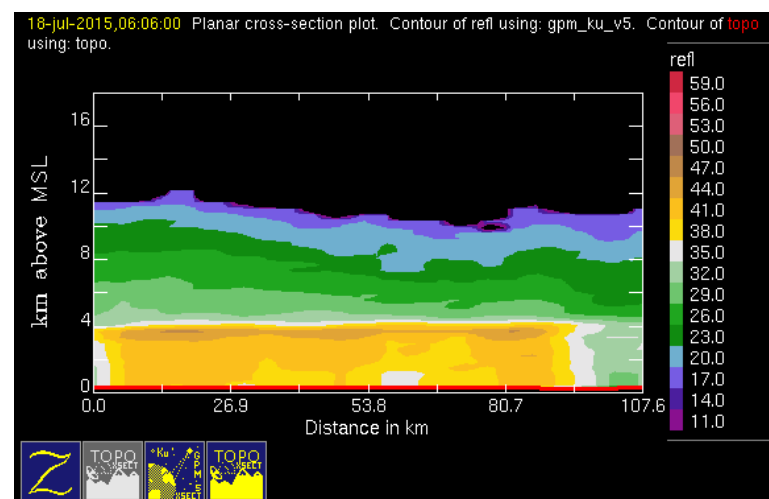
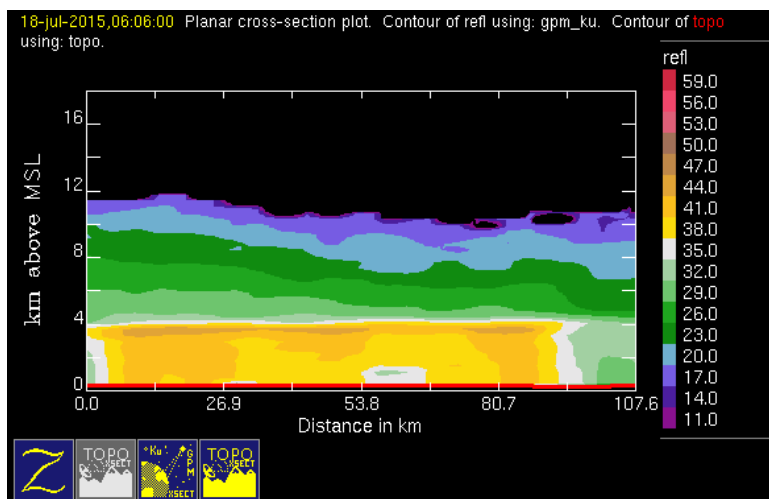
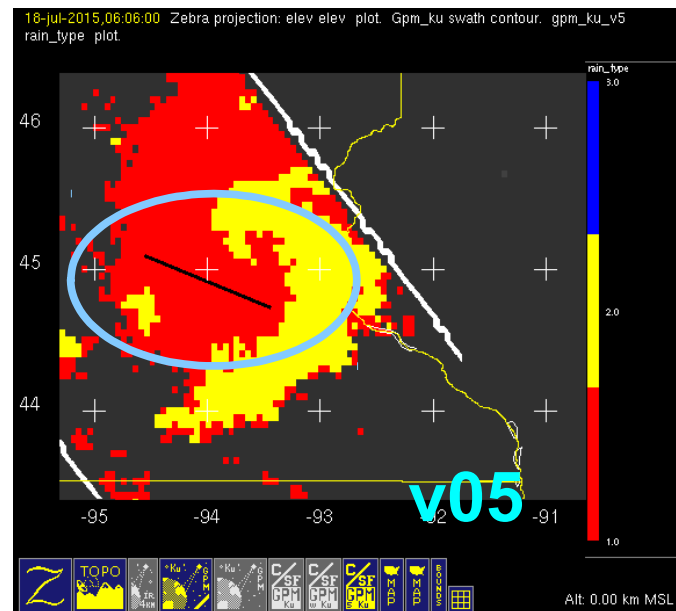
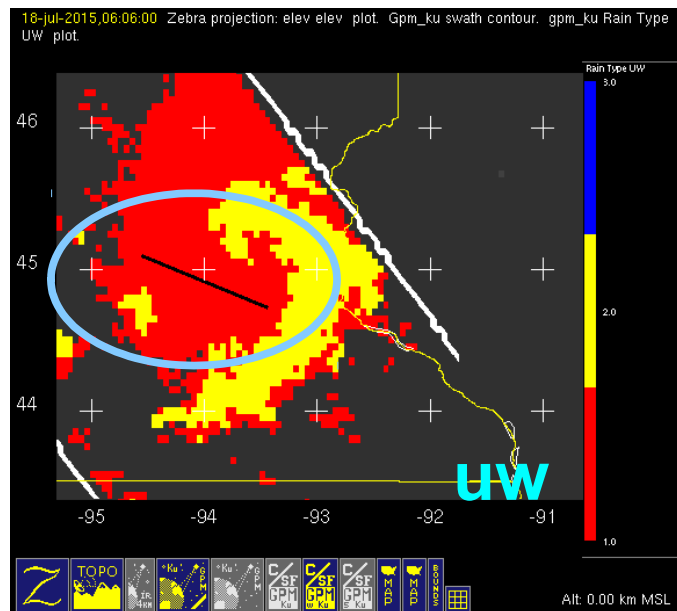
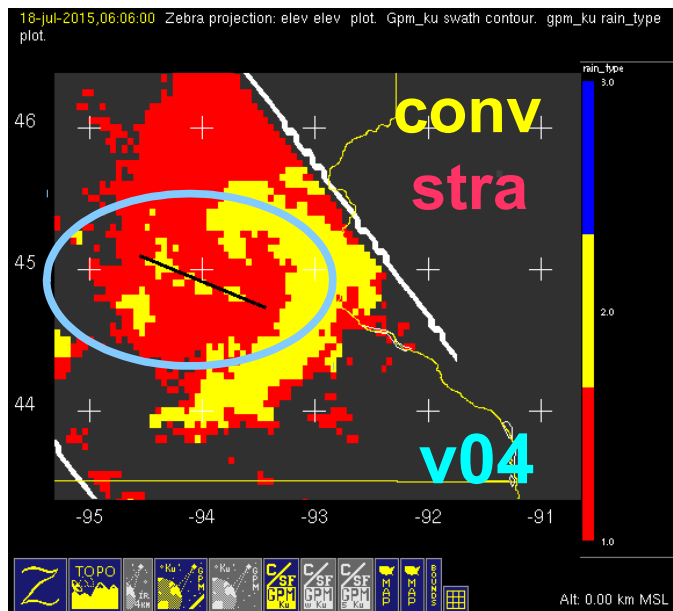
20150429 @ 0535



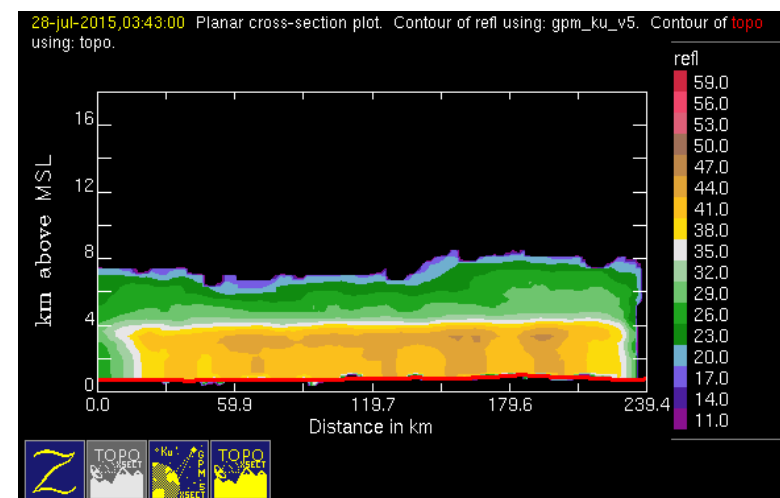
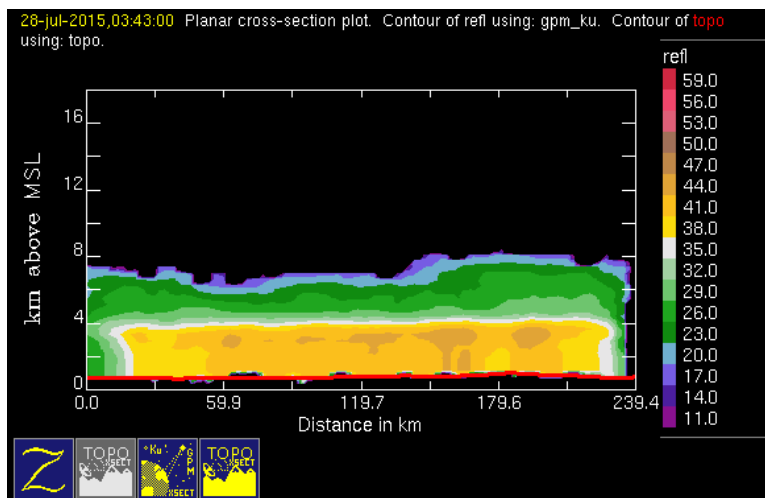
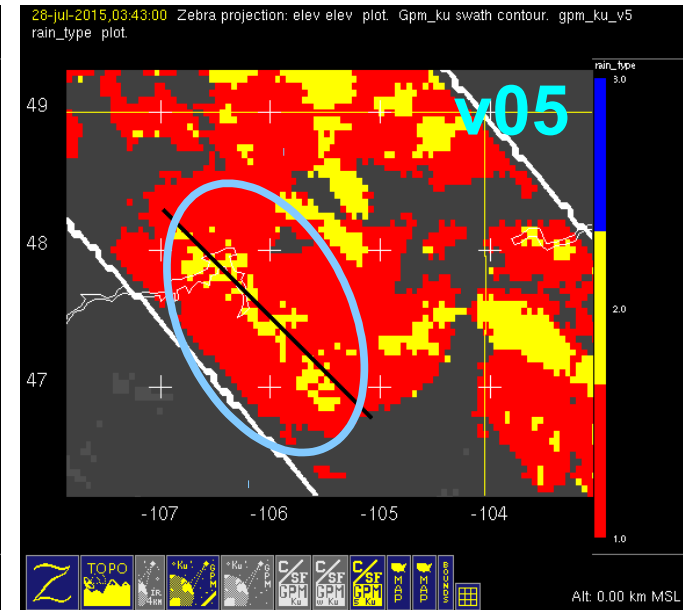
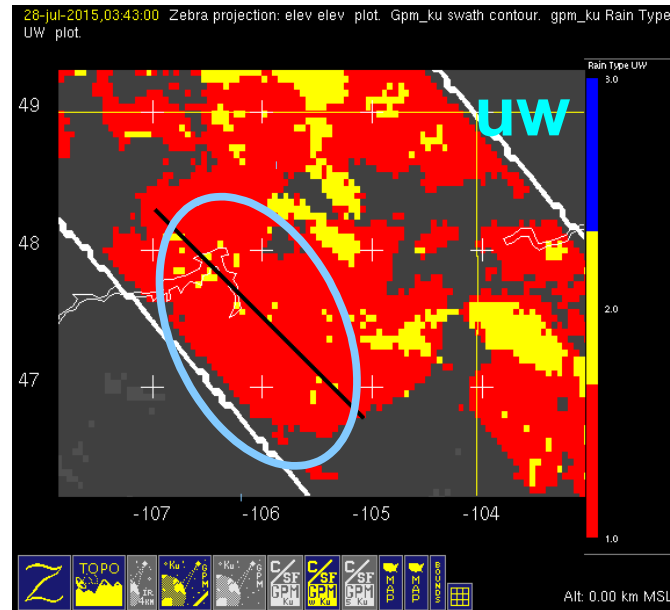
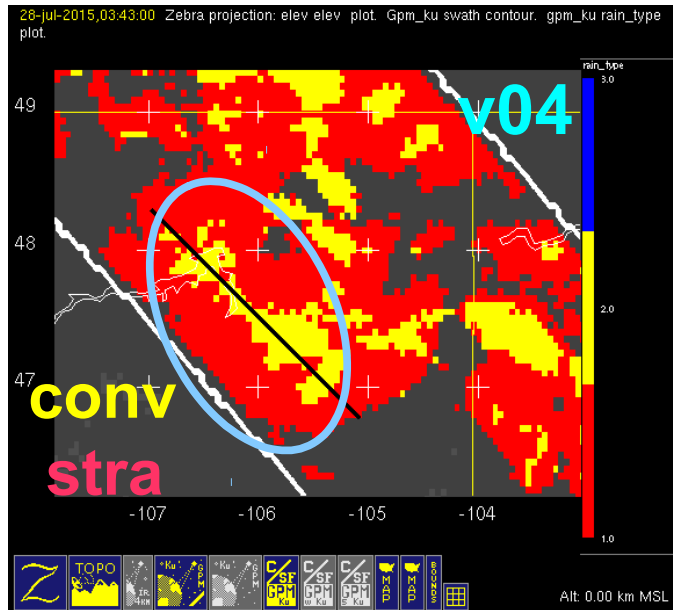
20150713 @ 0718



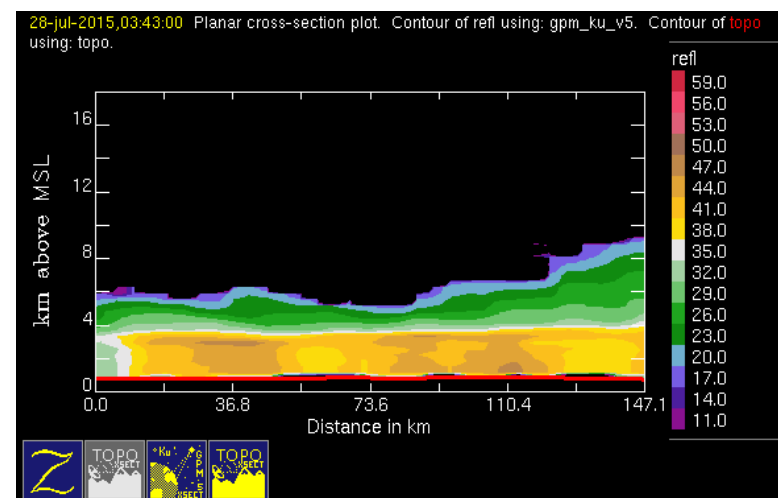
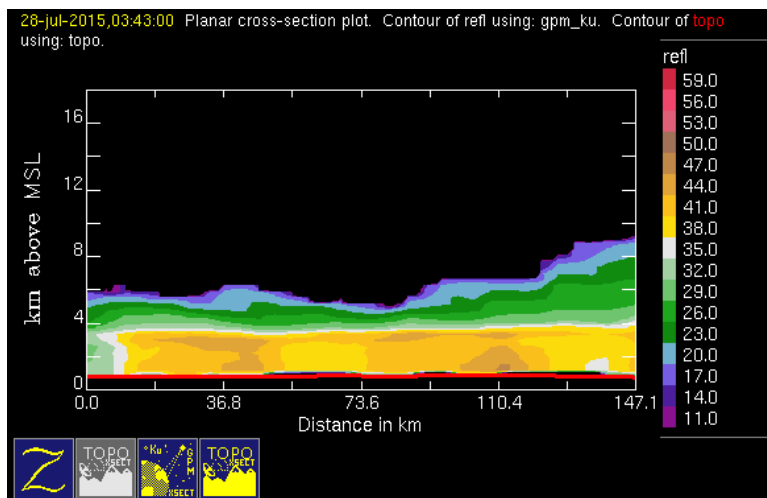
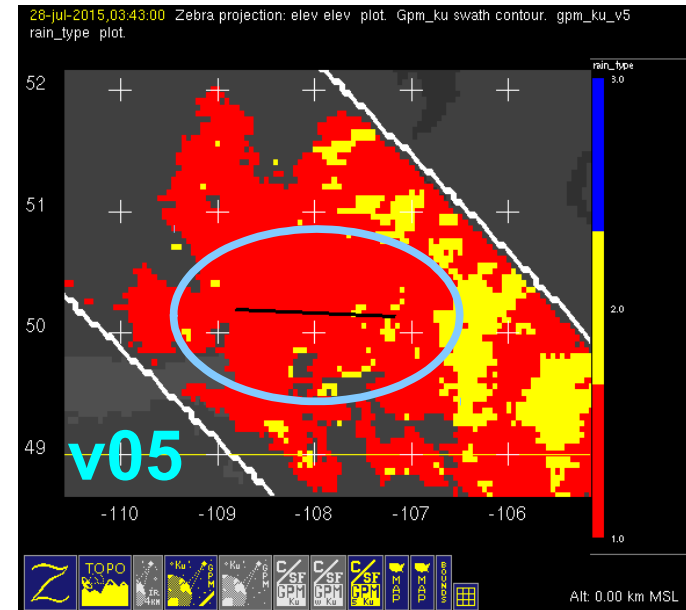
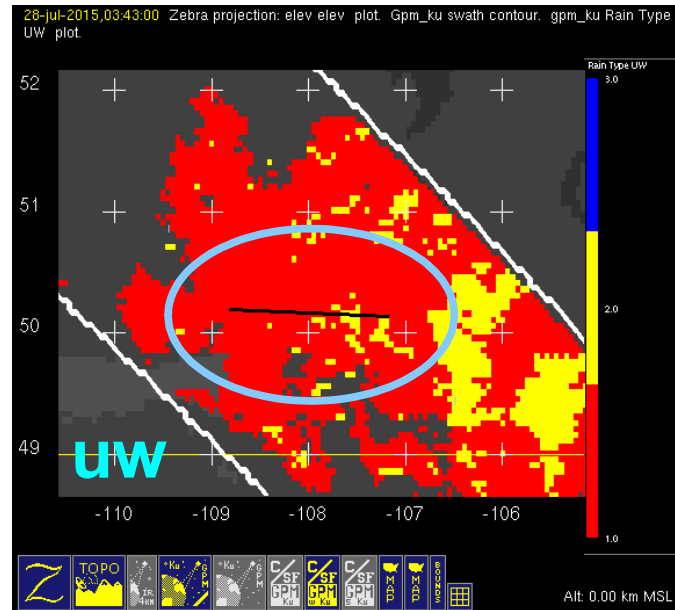
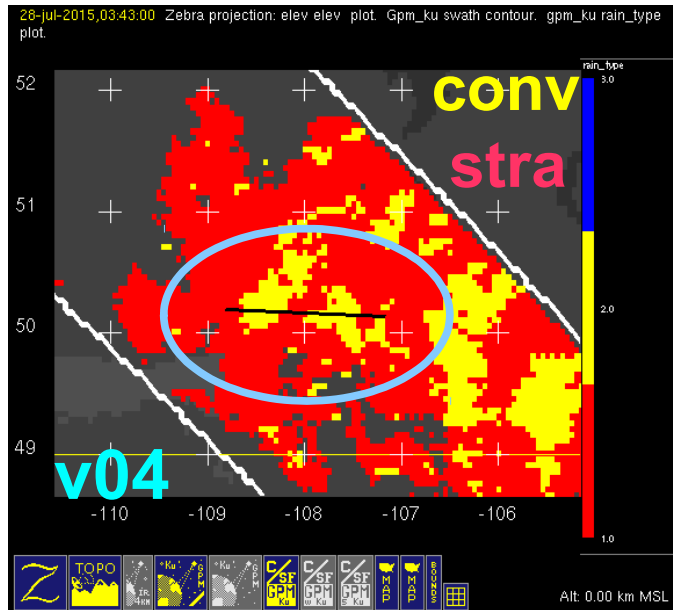
20150718 @ 0606



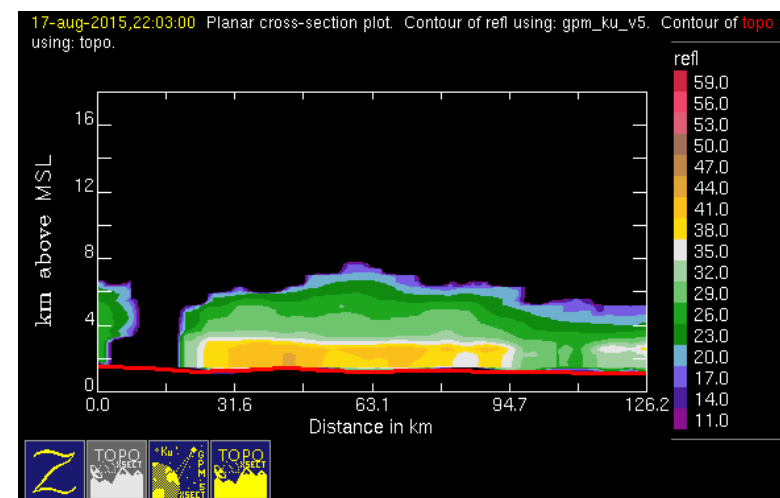
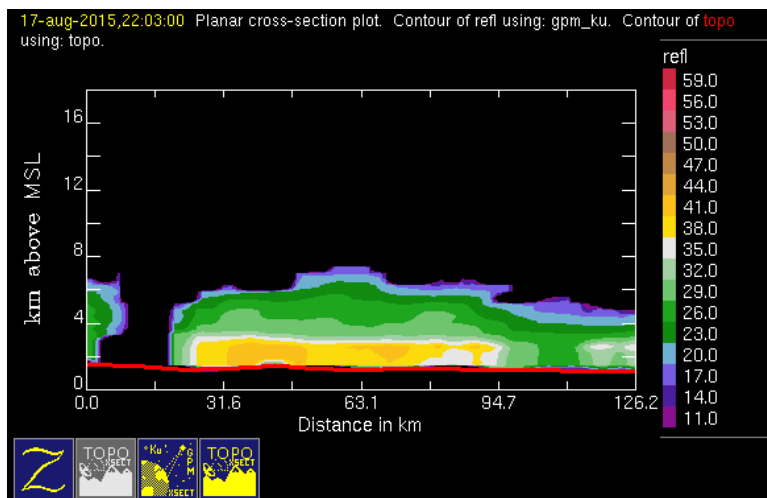
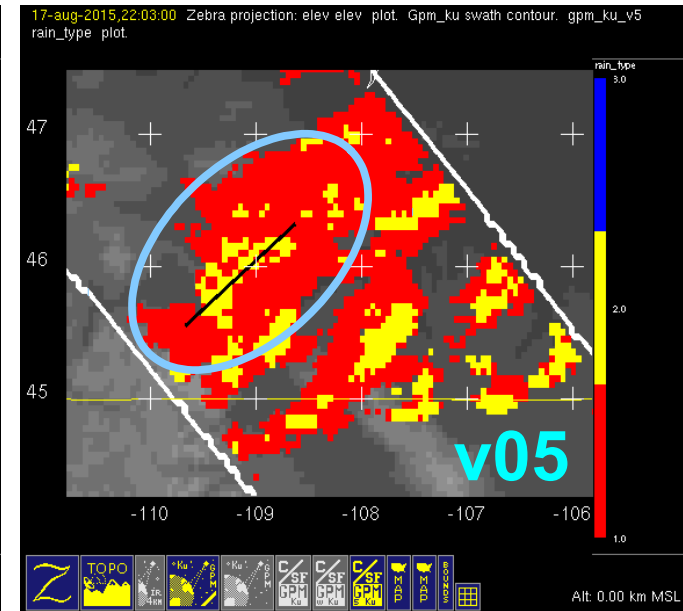
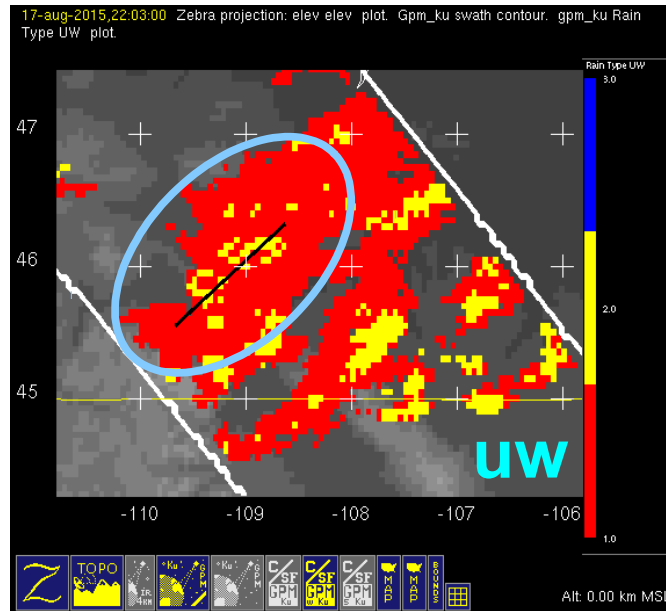
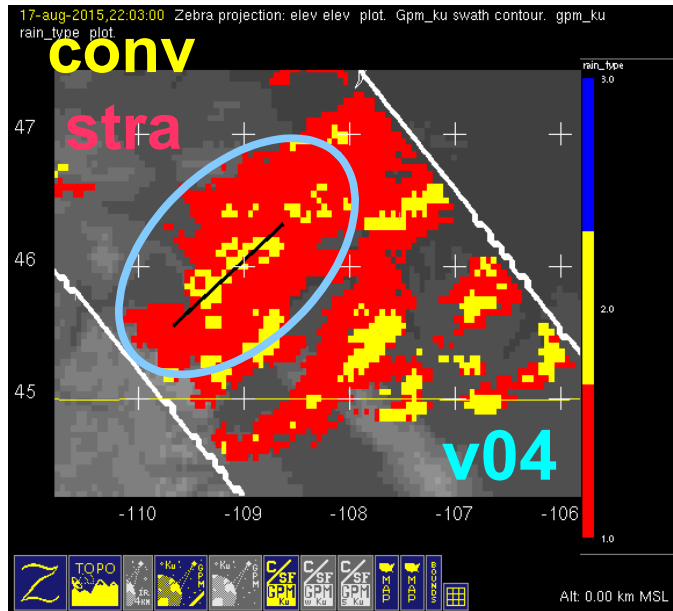
20150728 @ 0343 #1/2



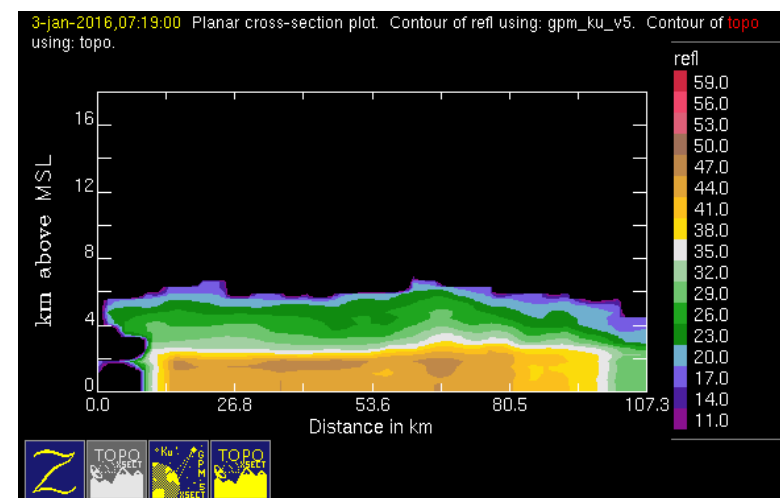
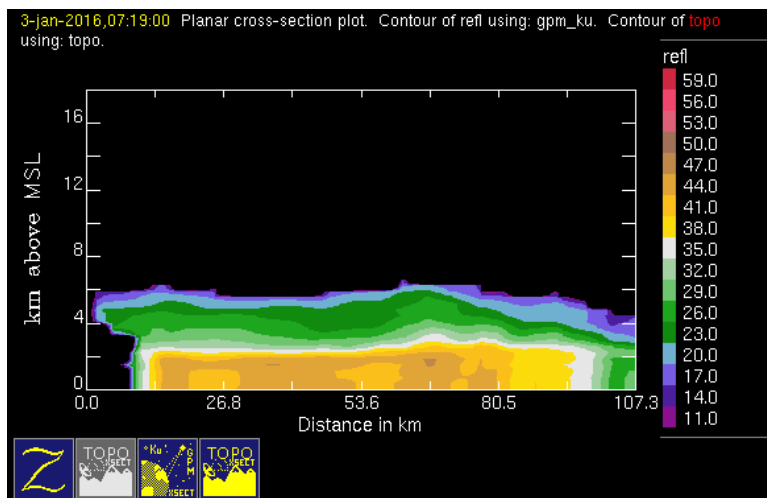
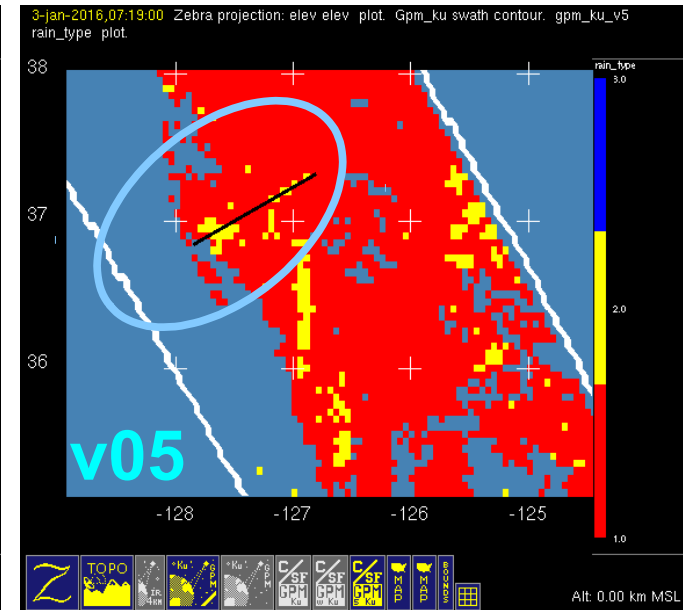
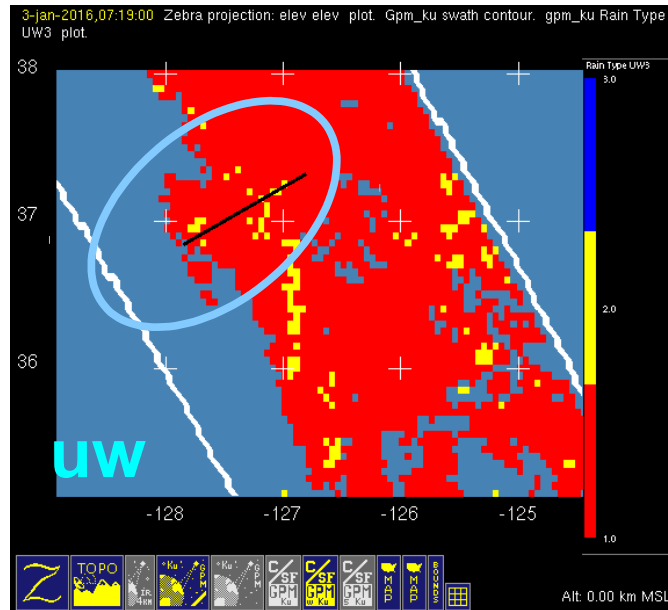
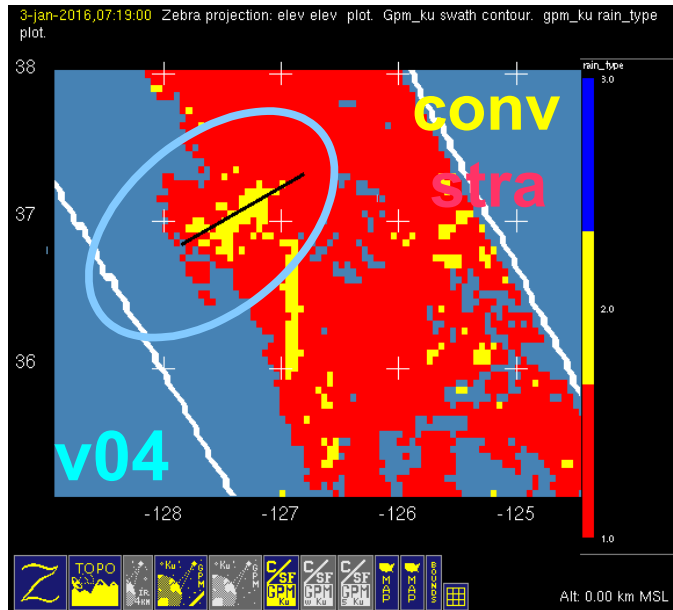
20150728 @ 0343 #2/2



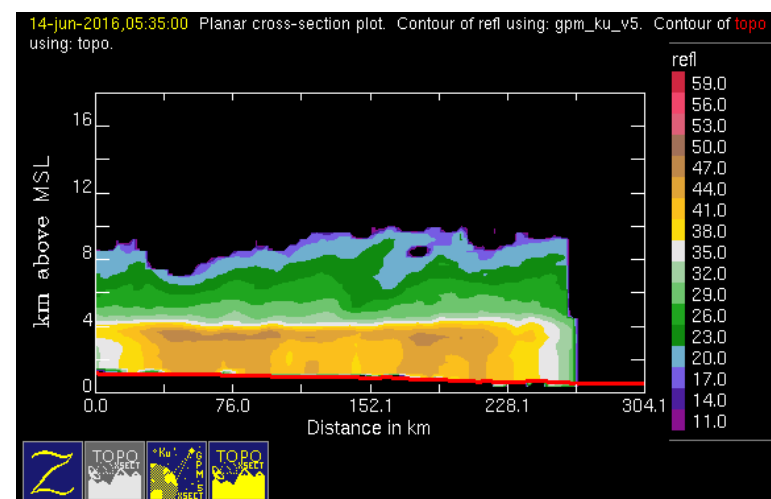
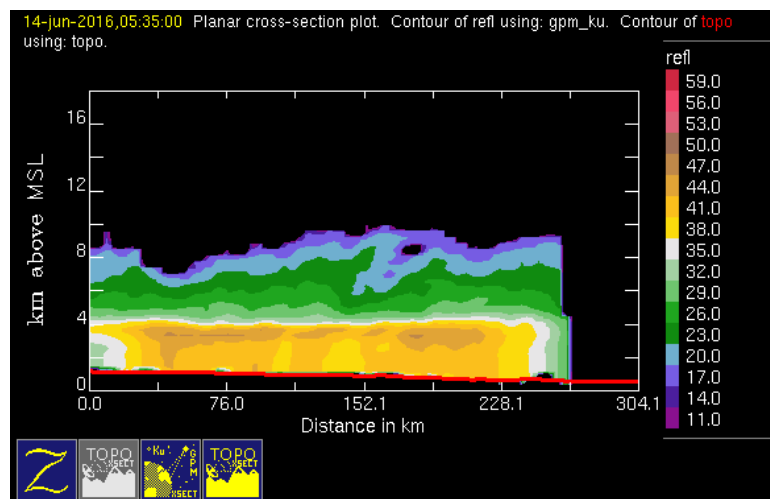
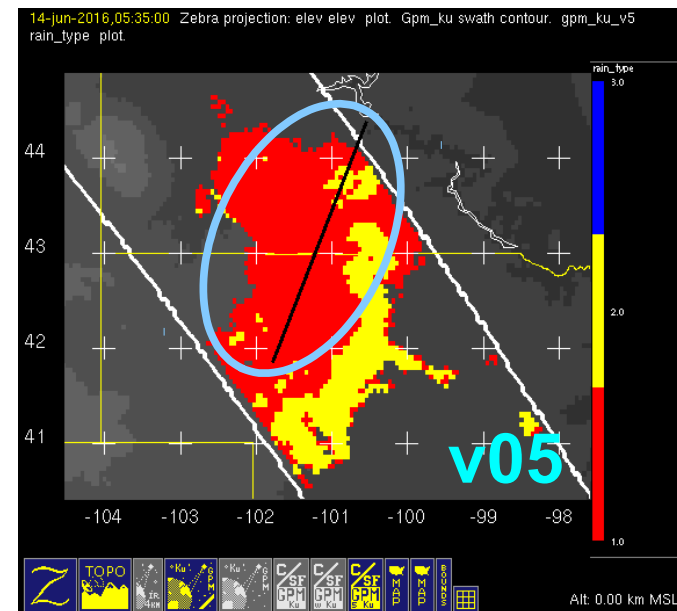
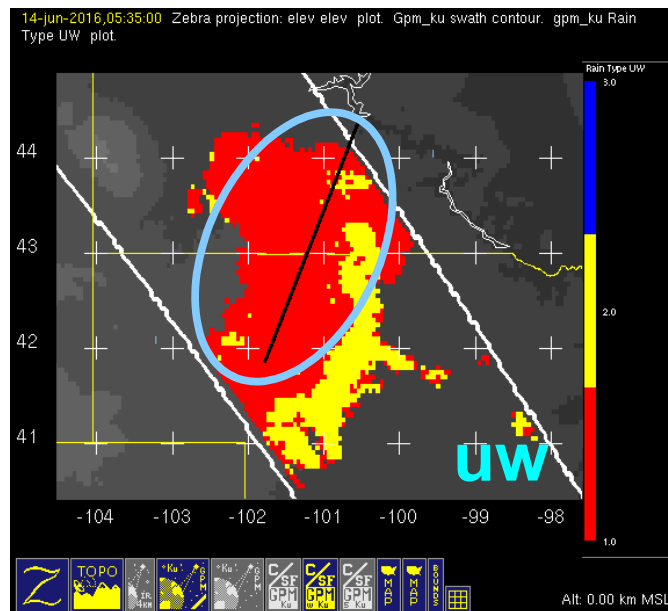
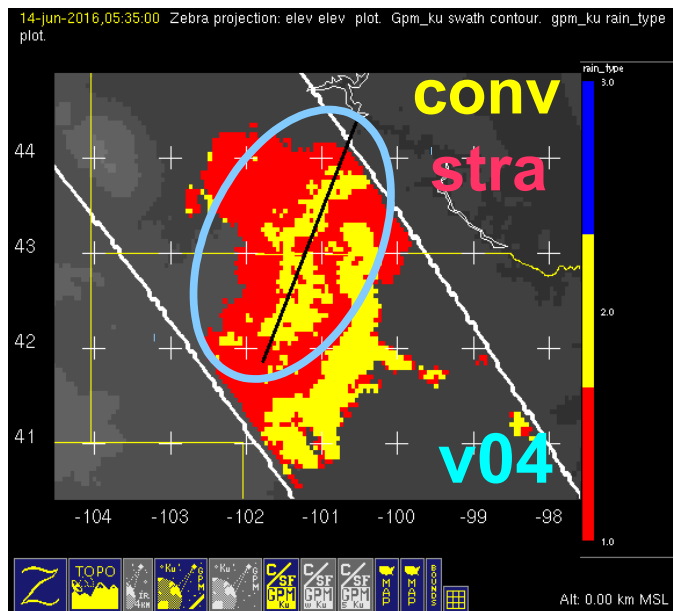
20150817 @ 2203



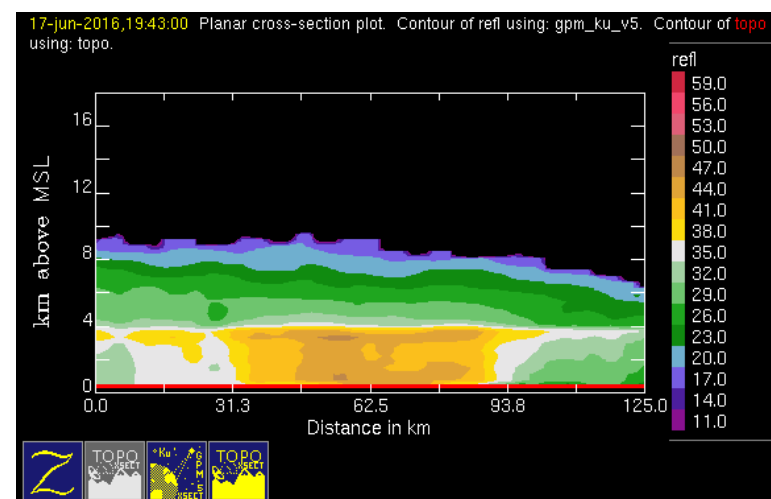
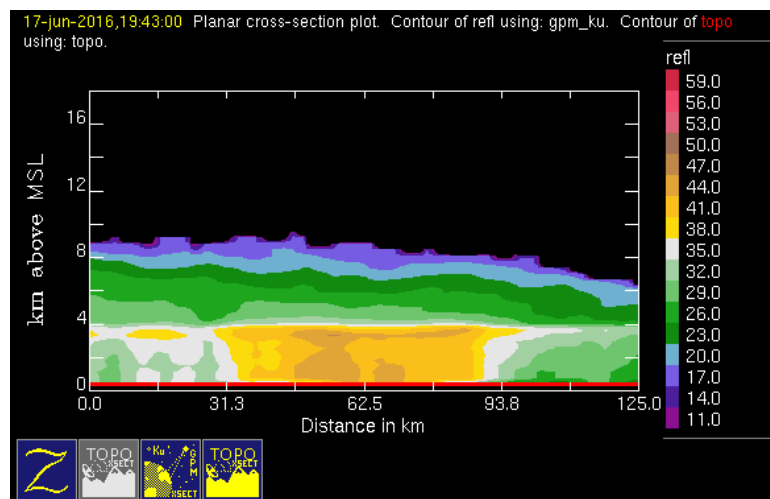
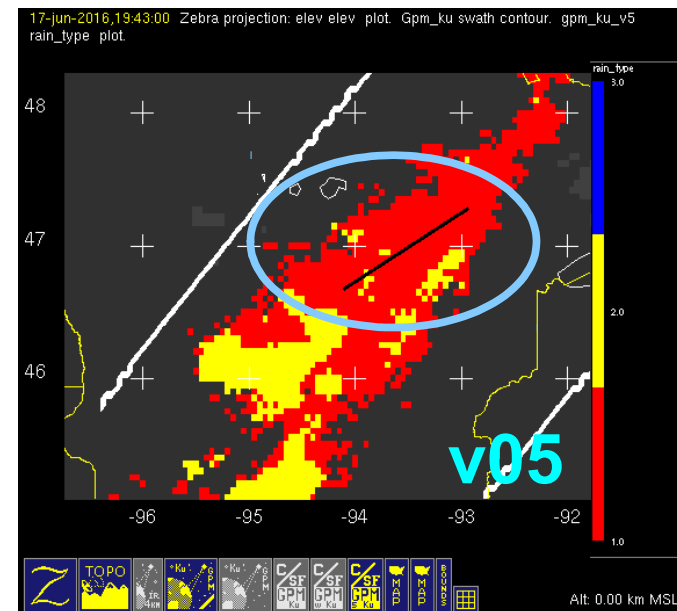
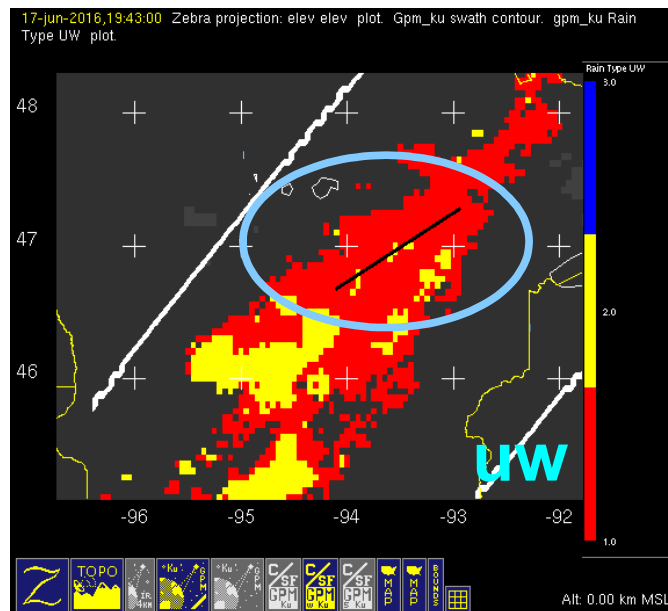
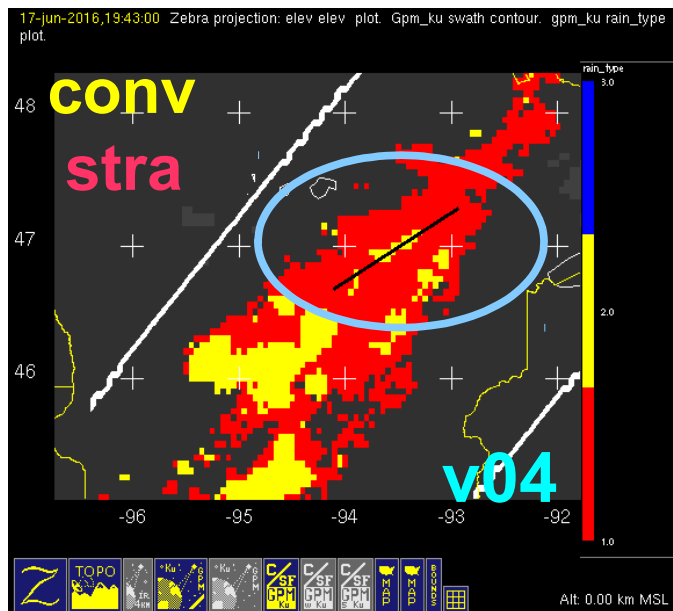
20160103 @ 0719



20160614 @ 0535



20160617 @ 1943



20160625 @ 0219

