

UW MODIFICATION TO 2AKu rain_type FIELD

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

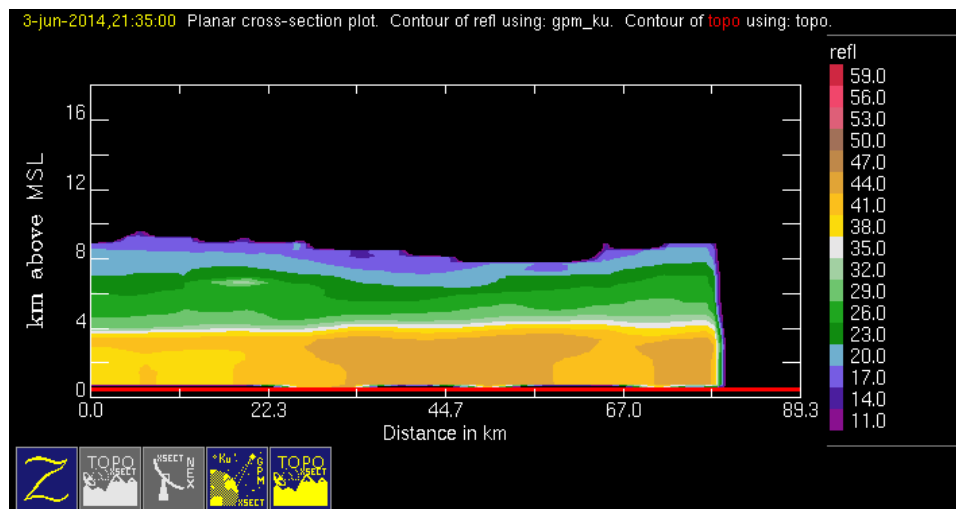
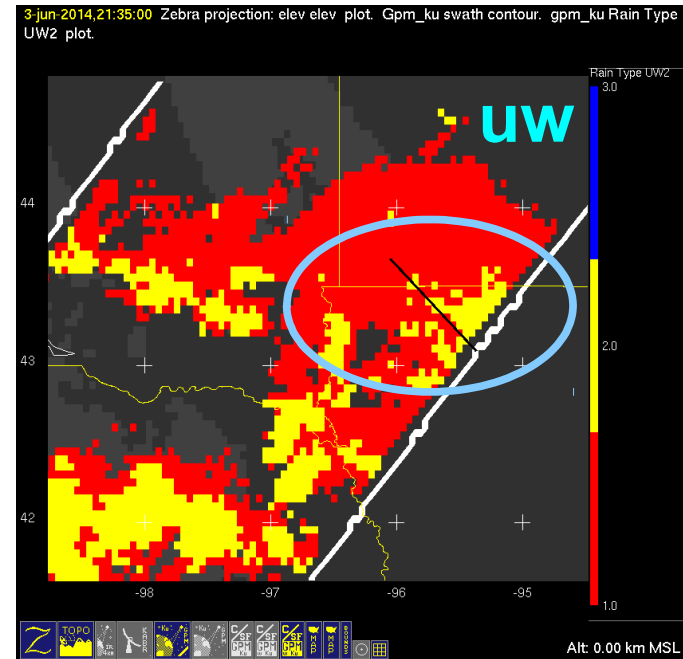
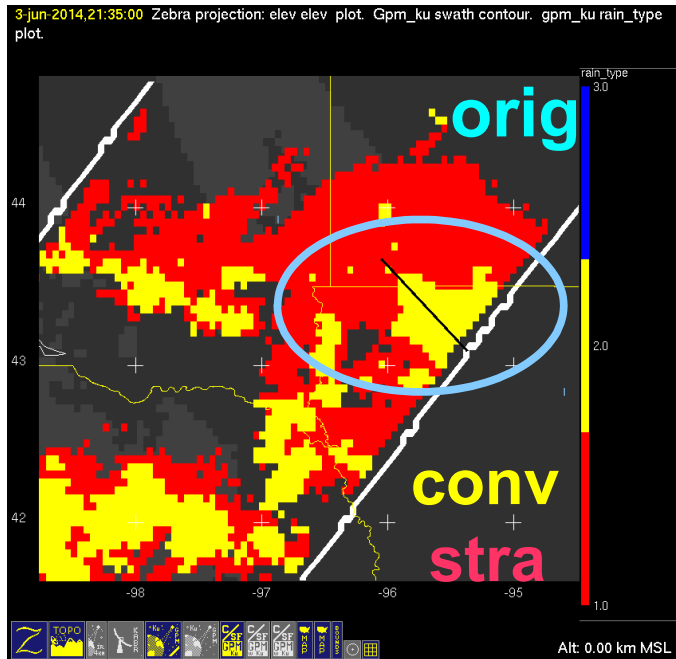
- 1 The original classification is CONVECTIVE
- ▯ The maximum reflectivity in the column is greater than 38dBZ
- ▯ The max reflectivity in a column minus the reflectivity 1.5km higher is greater than or equal to 8 dBZ

▪

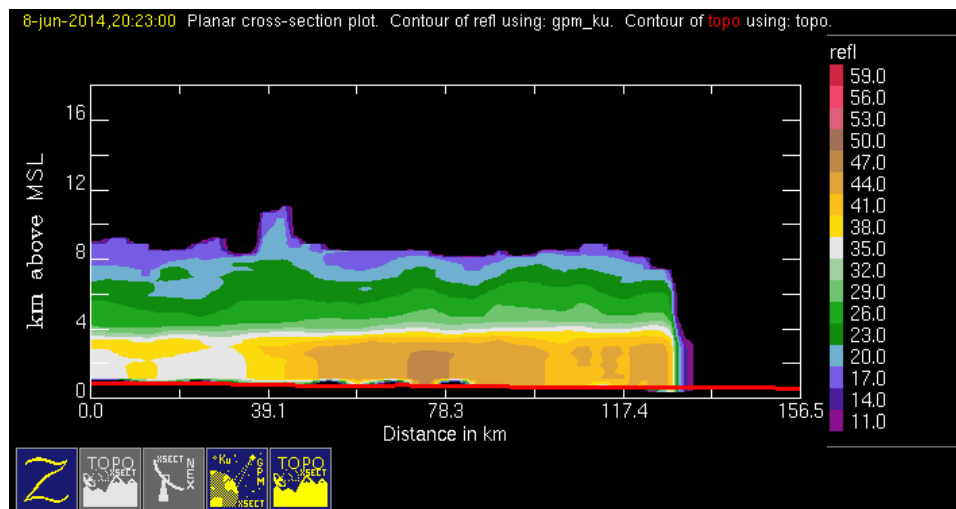
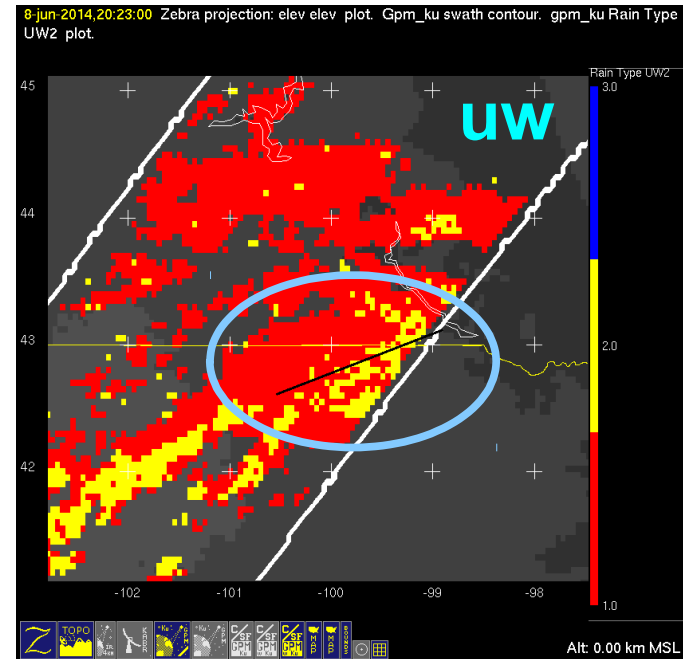
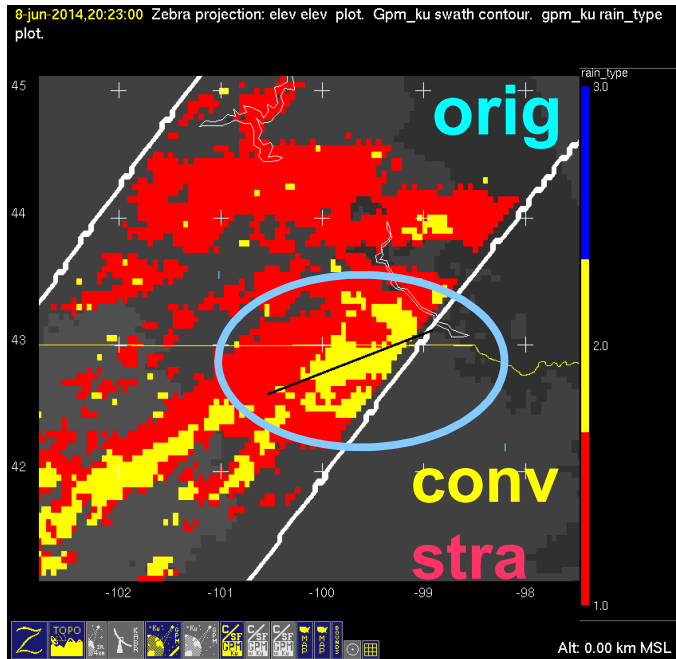
Each of the following slides shows the original classification on the left and the UW modified classification on the right, as well as a cross-section of the reflectivity which represents the cut where the black line is drawn on the horizontal plots.

All cross sections are drawn from left to right.

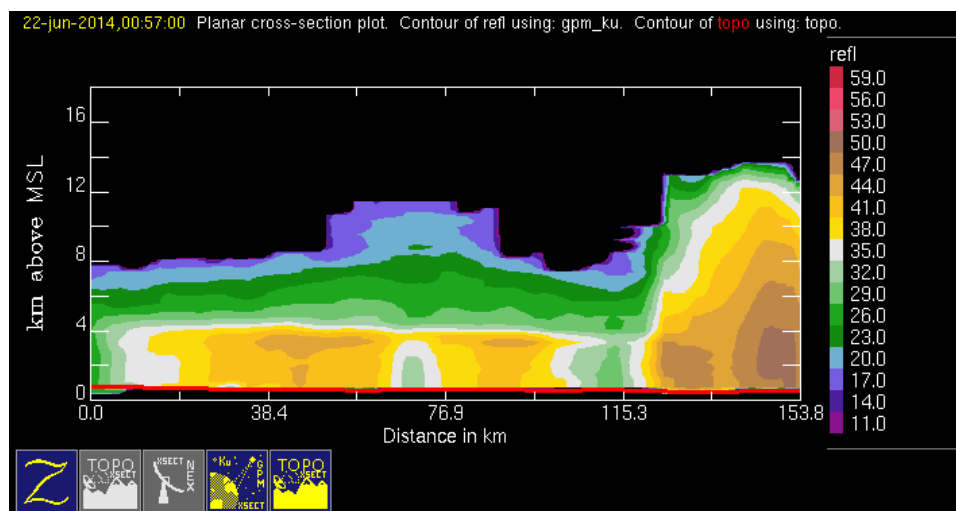
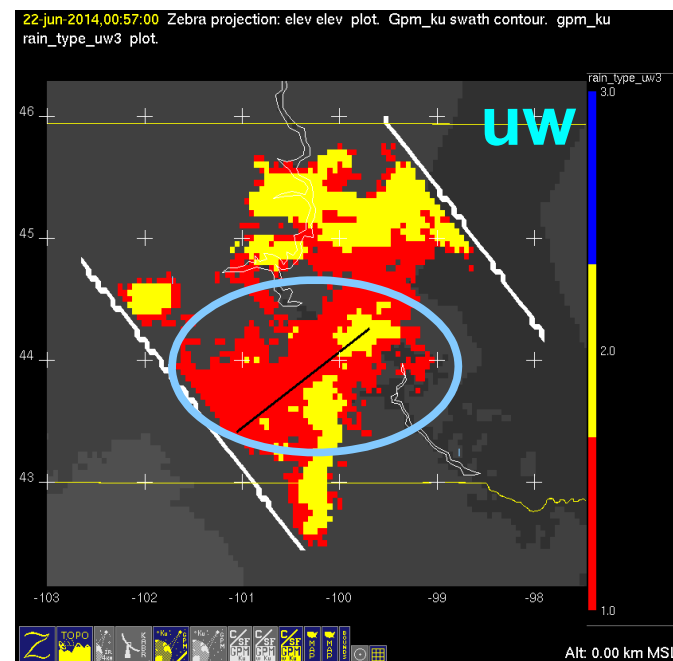
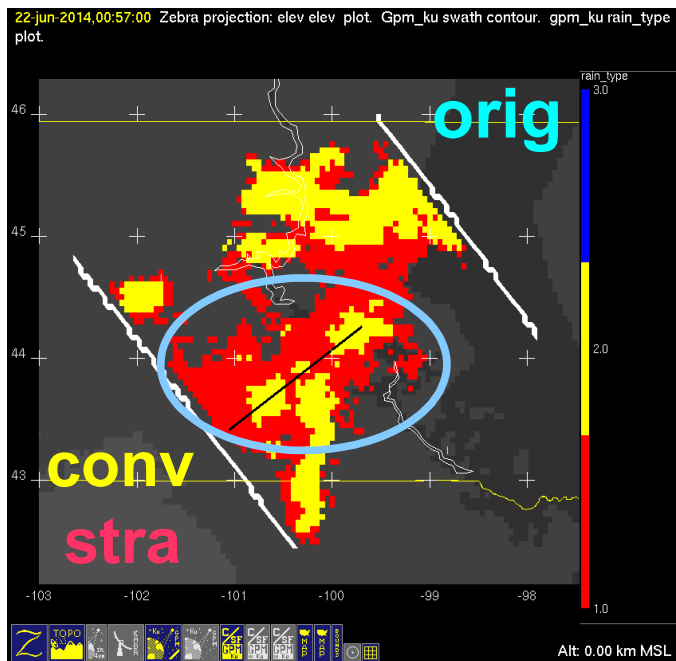
20140603 @ 2135



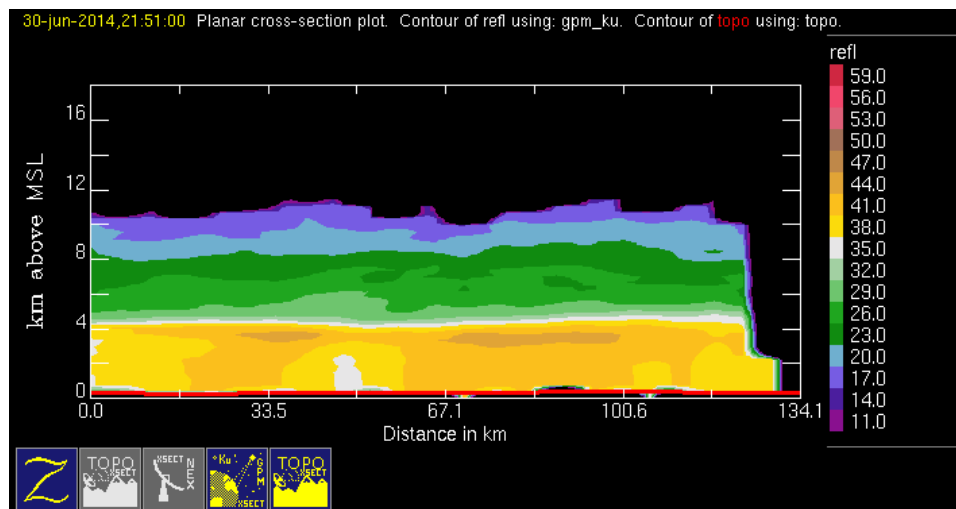
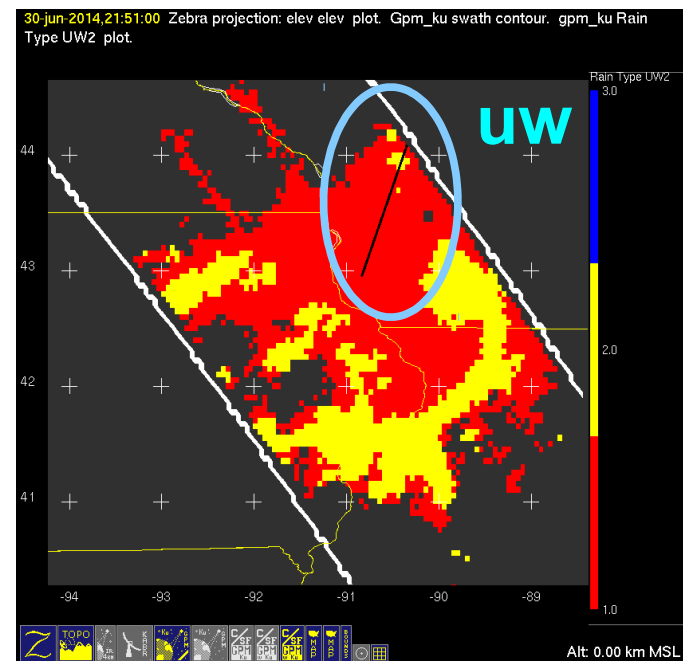
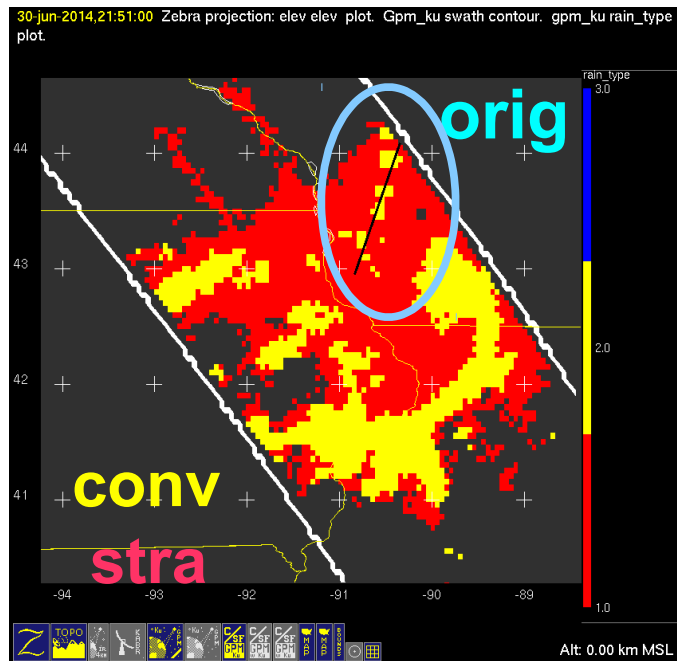
20140608 @ 2023



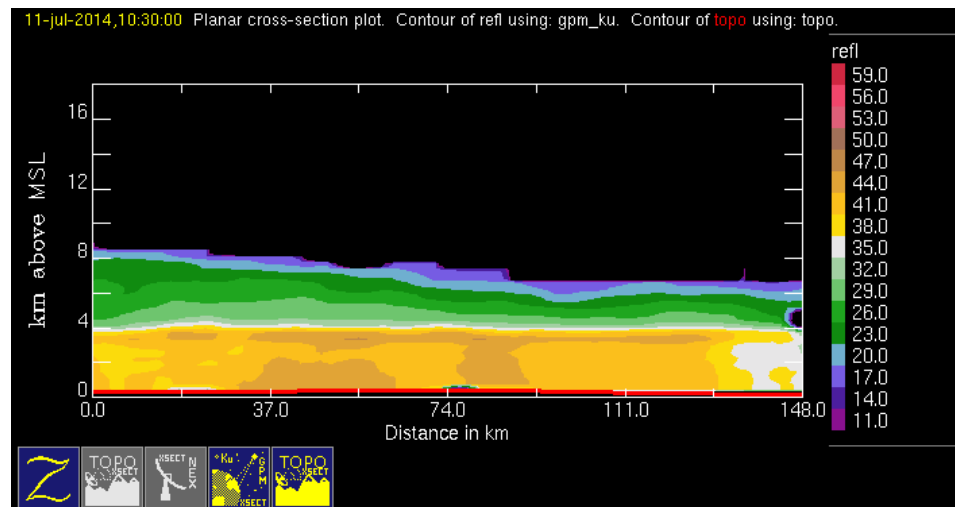
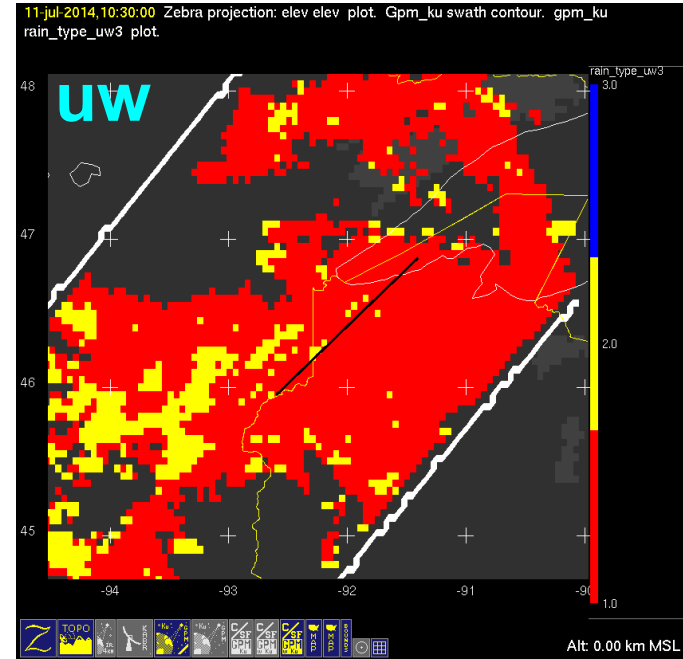
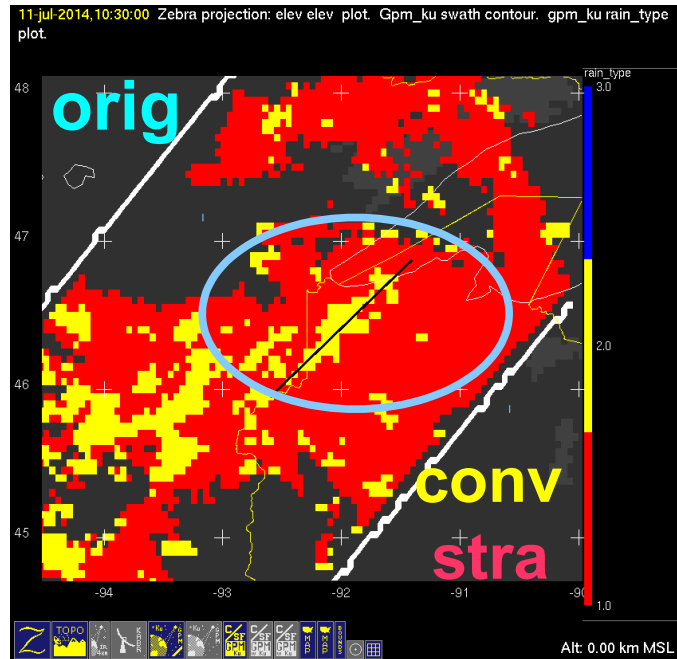
20140622 @ 005639



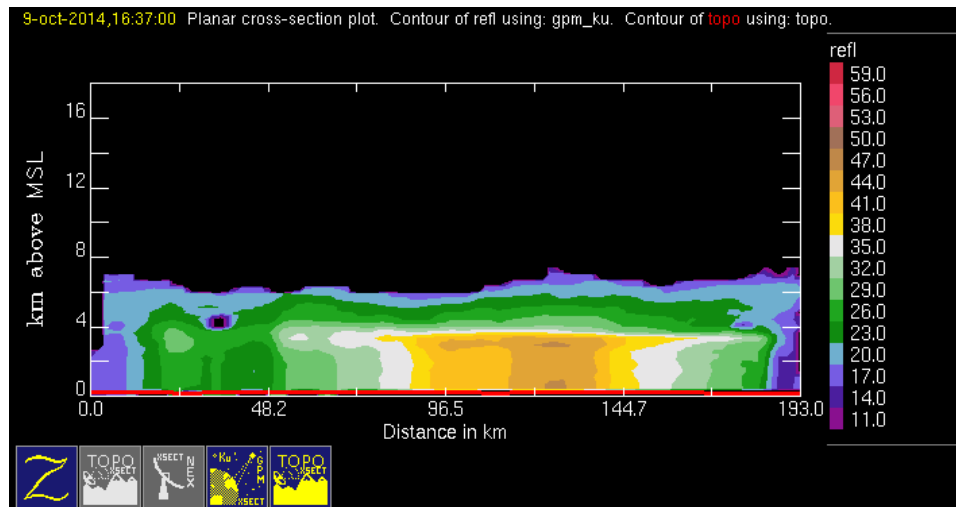
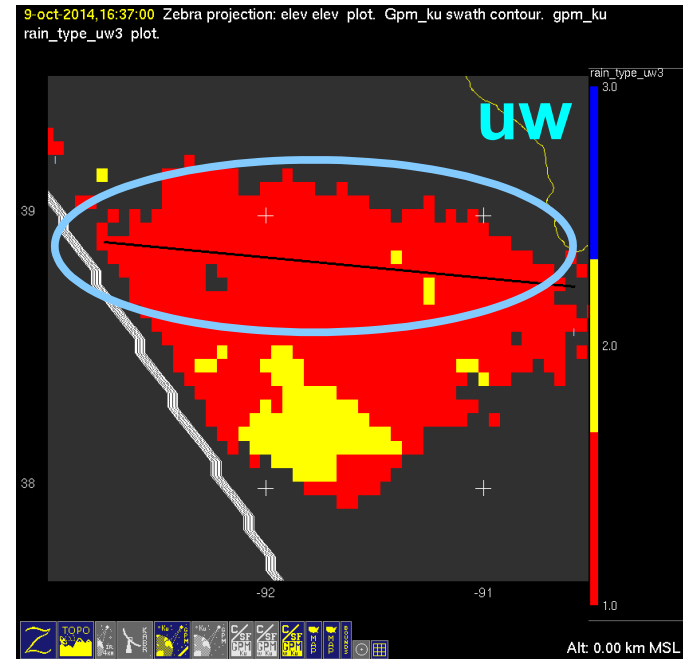
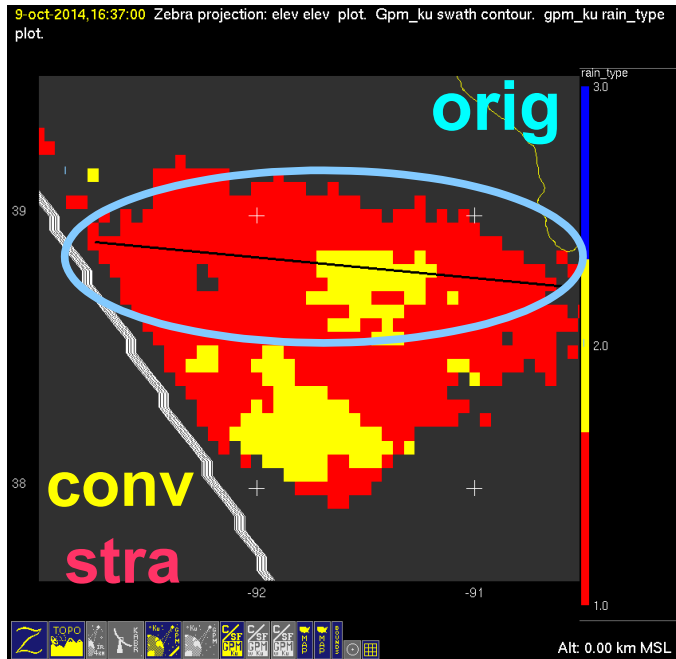
20140630 @ 2151



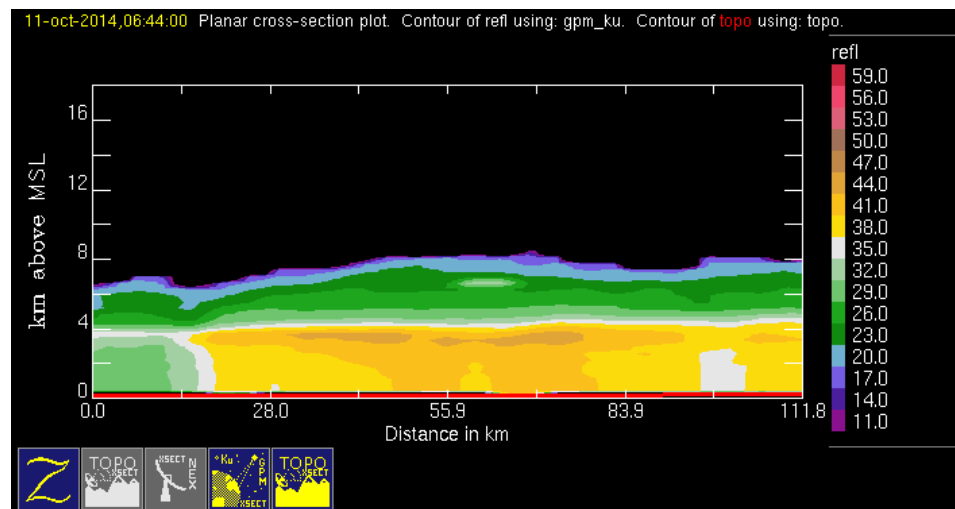
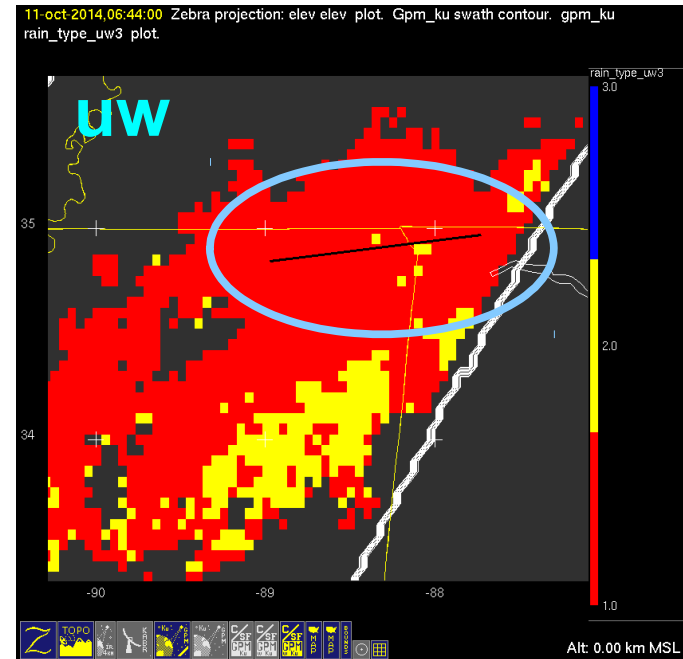
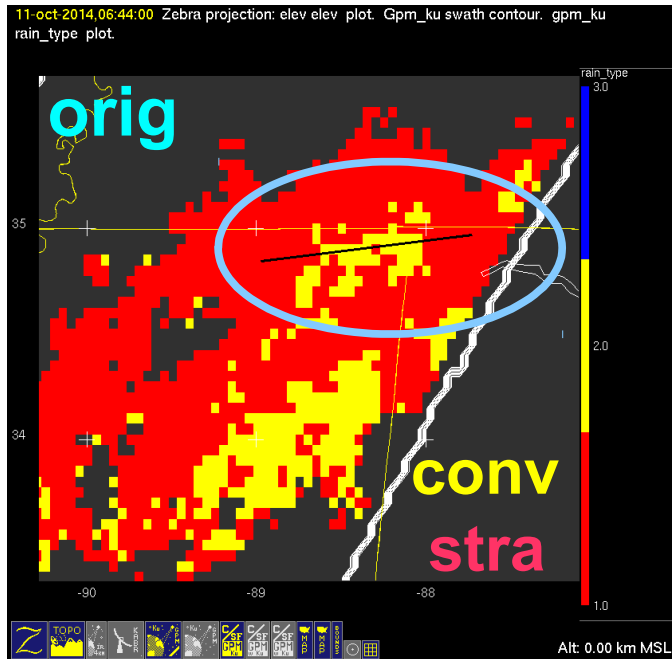
20140711 @ 1030



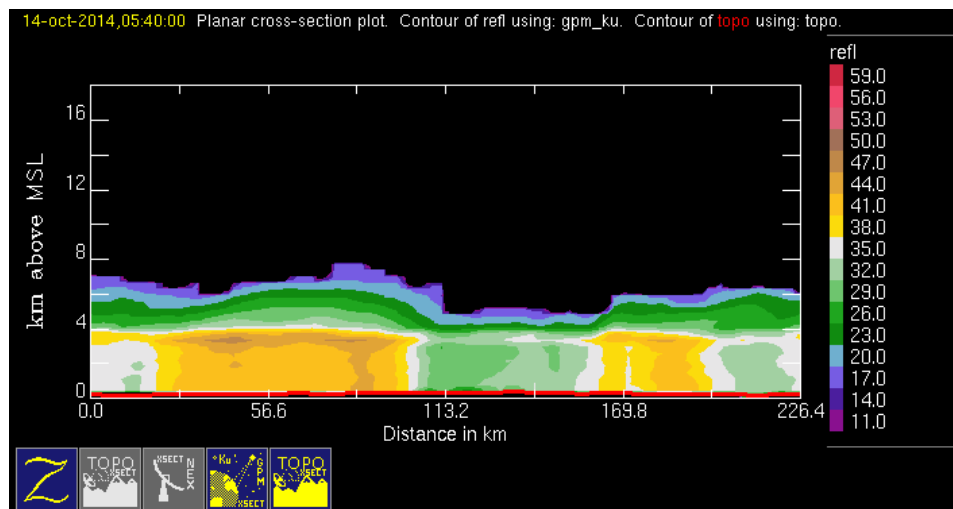
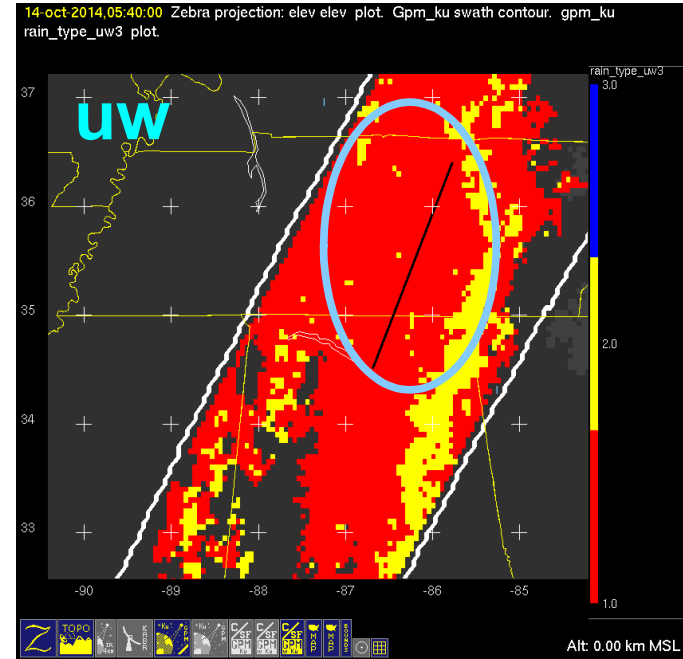
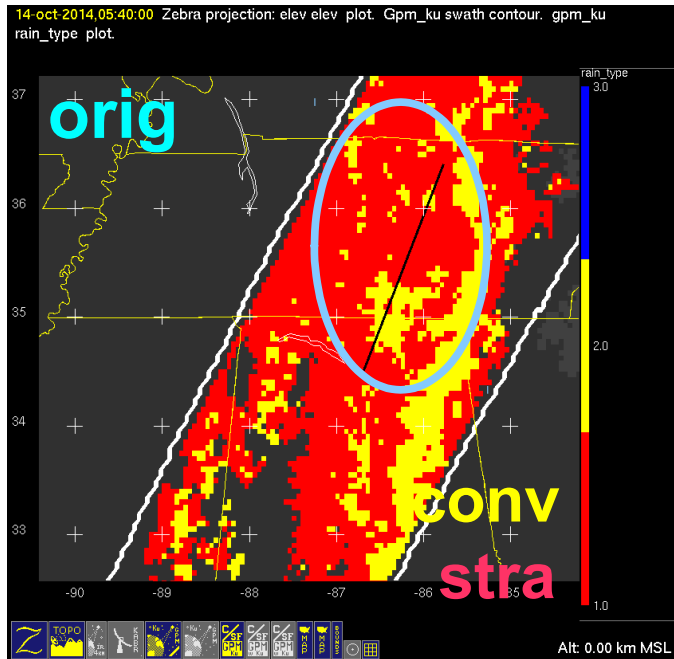
20141009 @ 1637



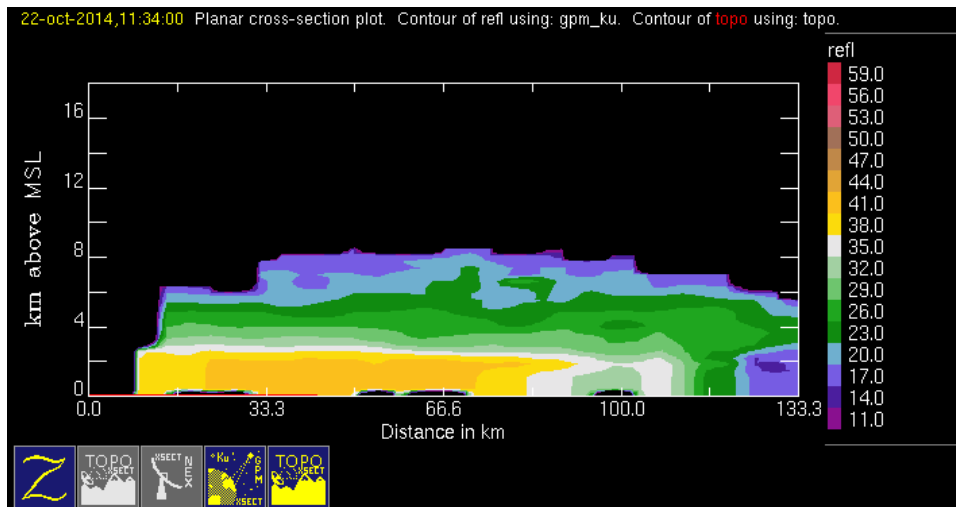
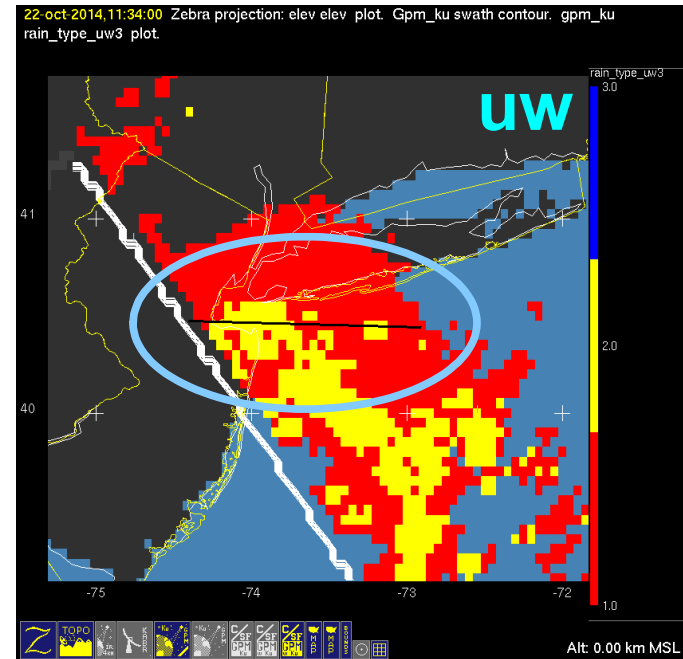
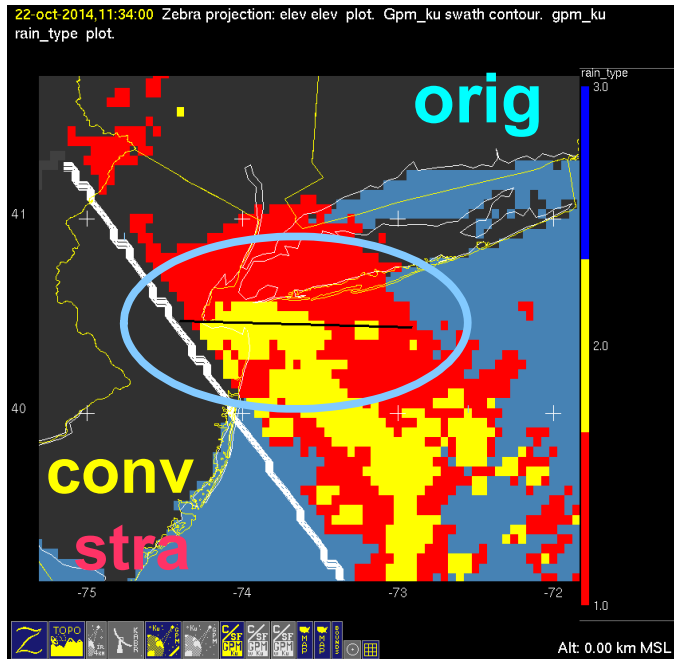
20141011 @ 0644



20141014 @ 0540

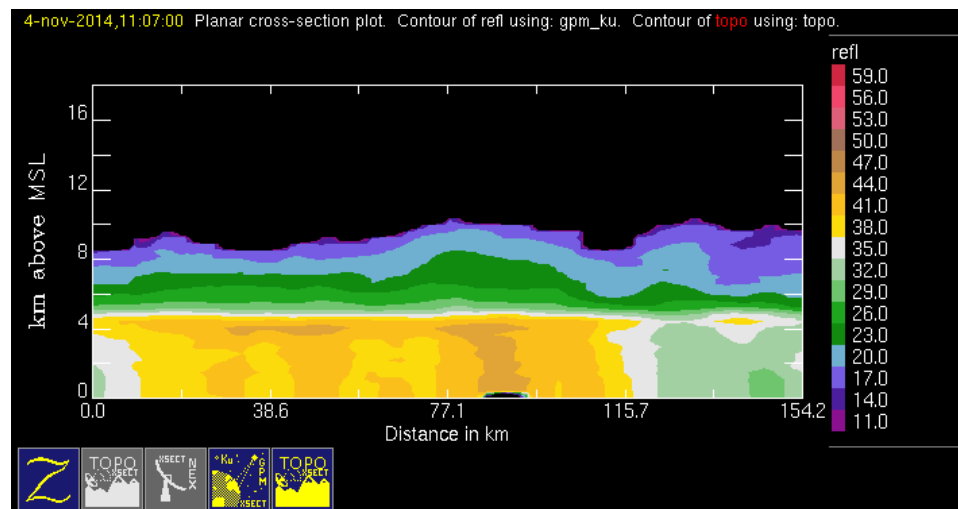
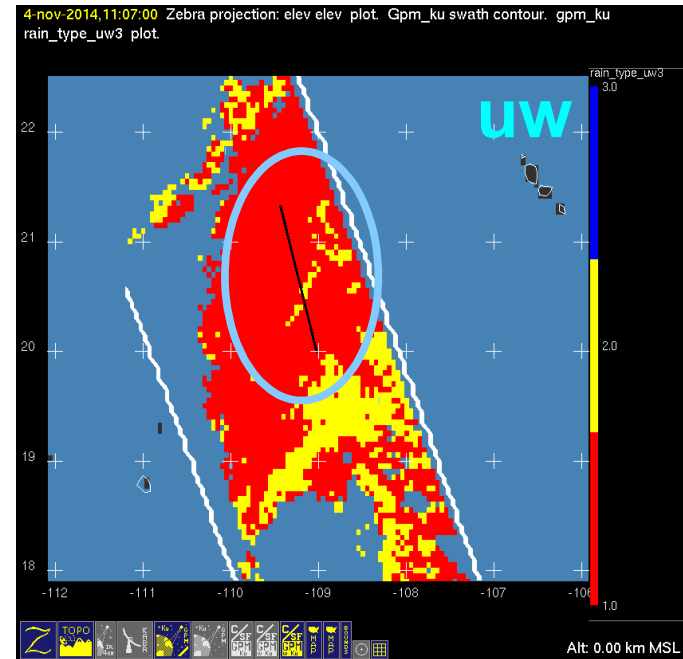
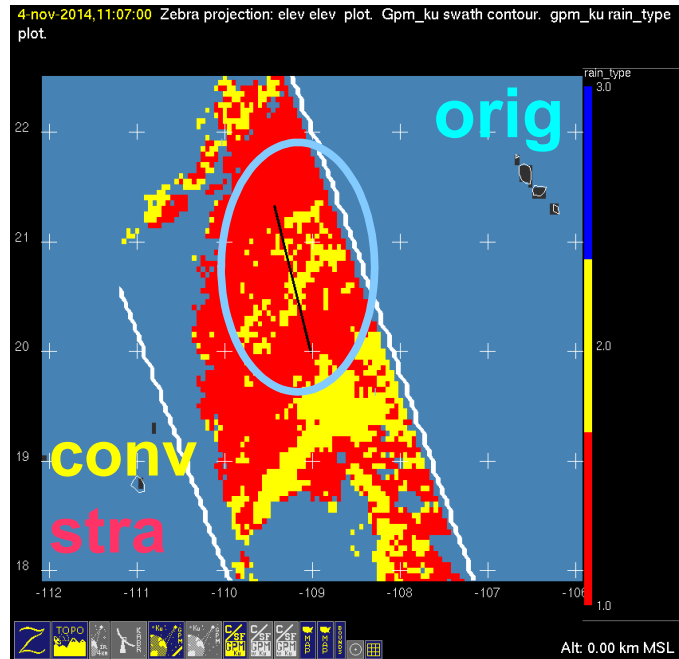


20141022 @ 1134

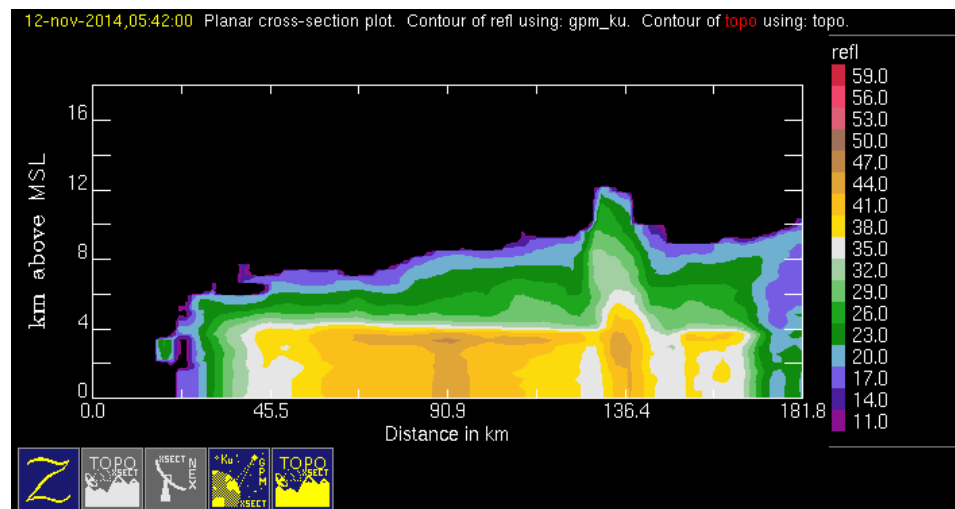
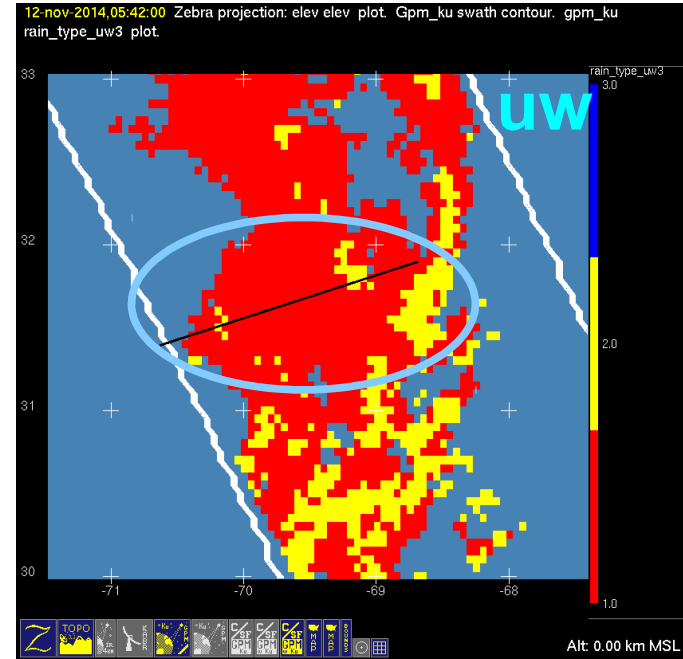
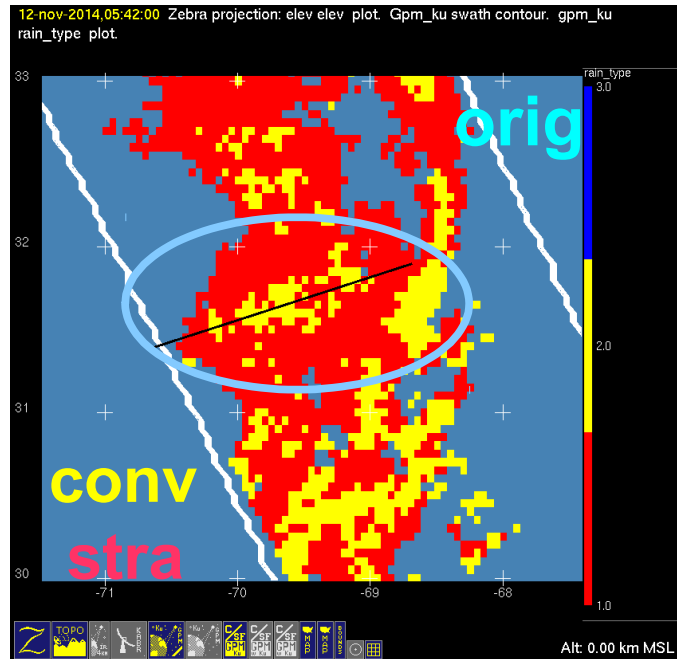


This case fails UW slope test. Cross section shows nearly constant reflectivities from ground to 2km.

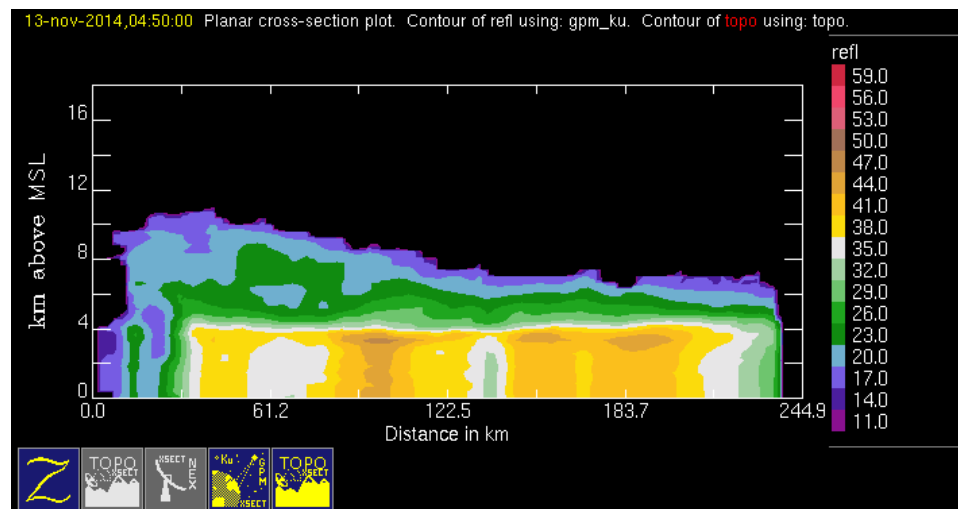
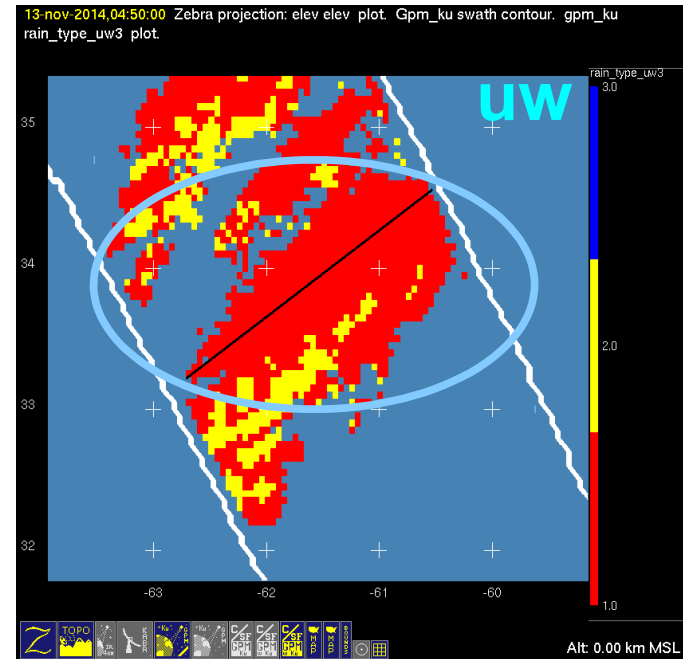
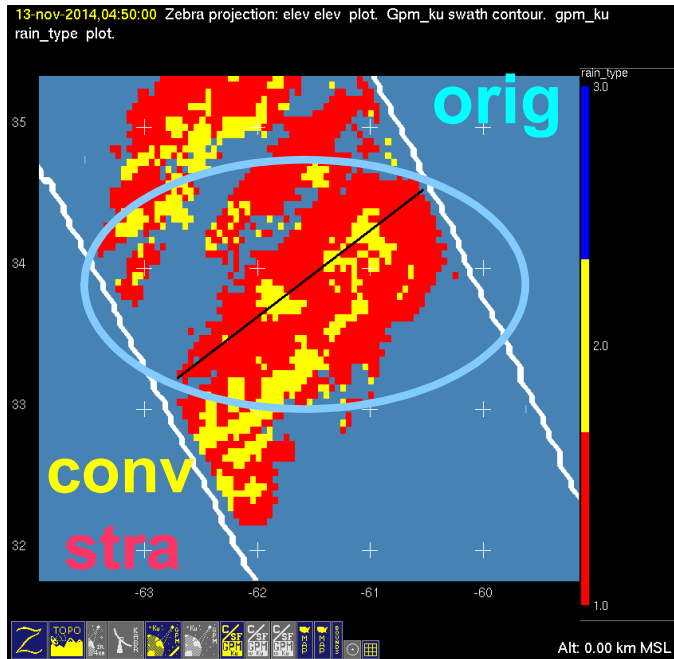
20141104 @ 1107



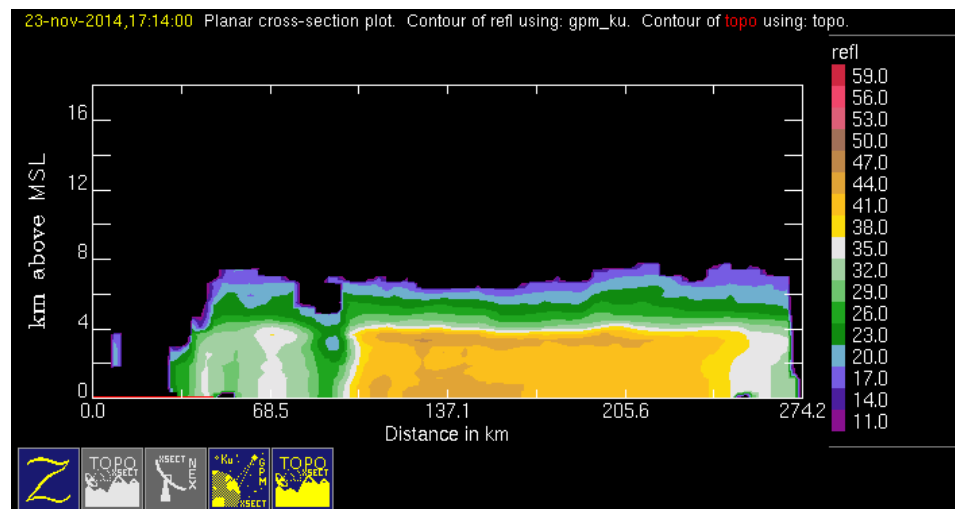
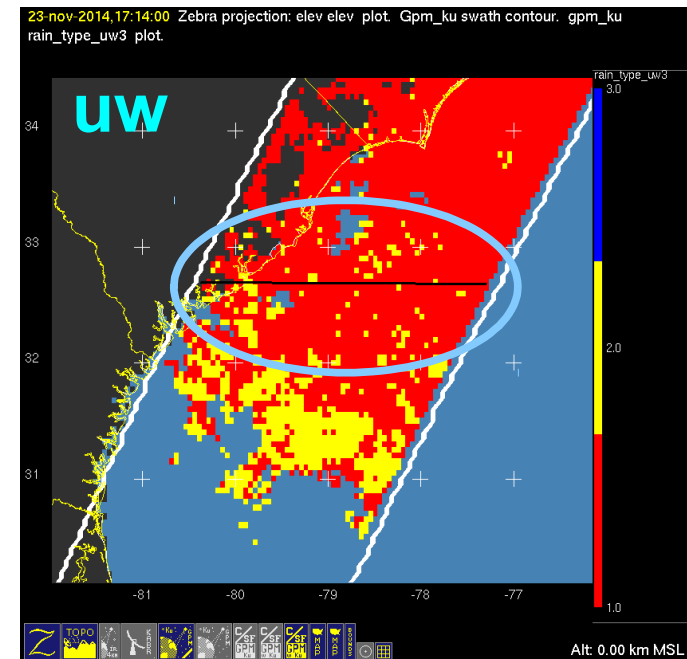
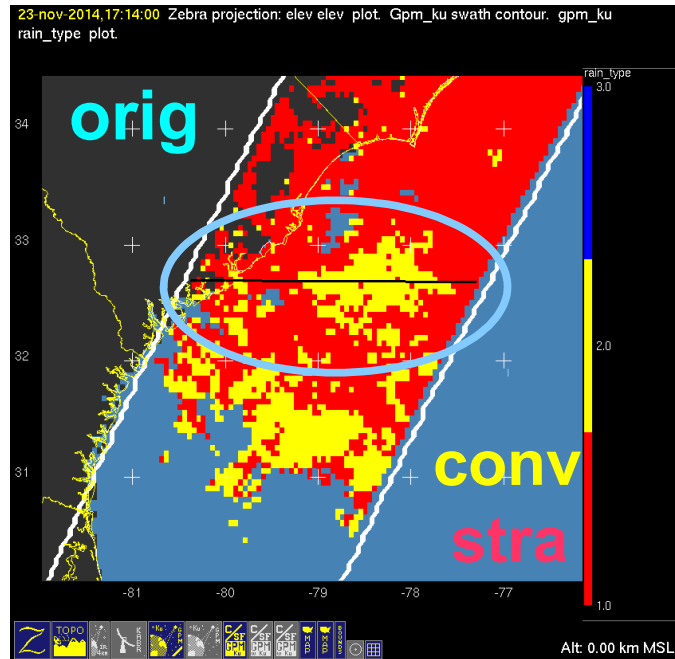
20141112 @ 0542



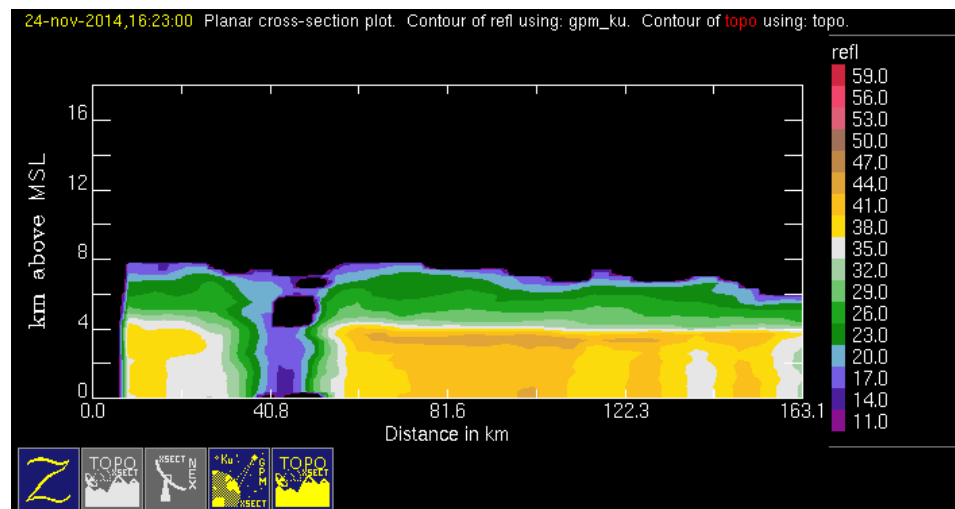
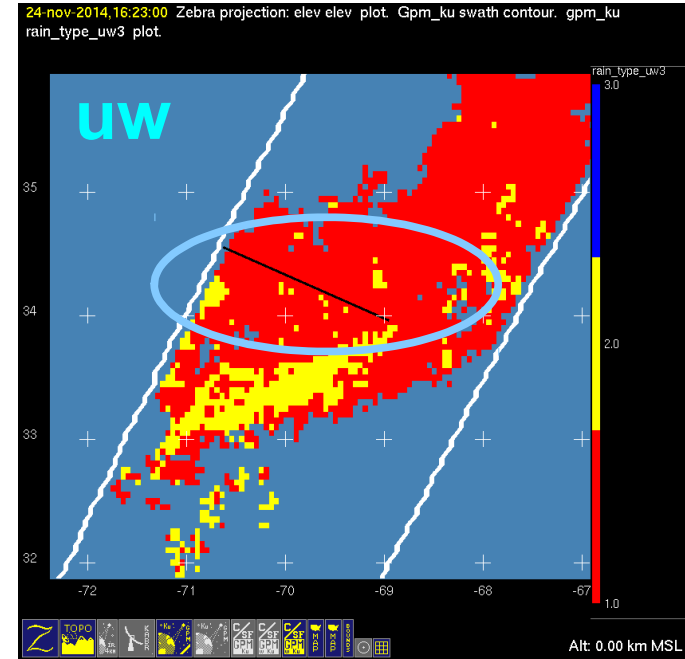
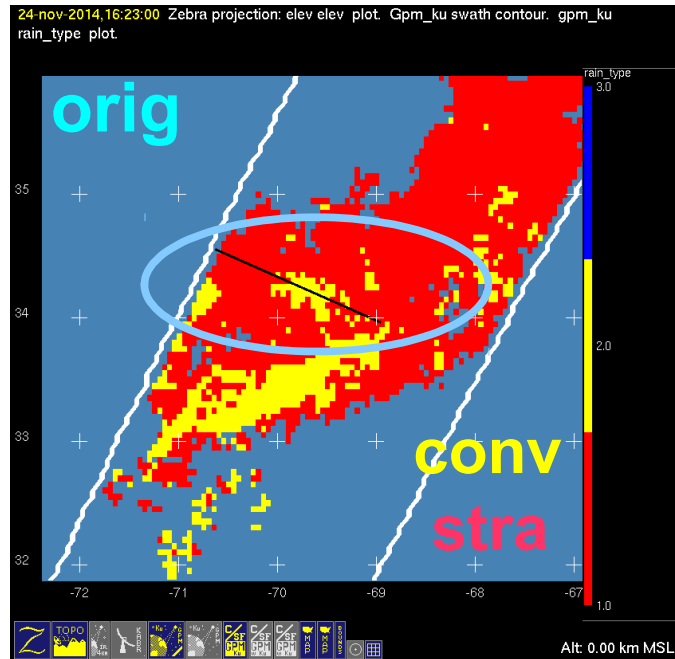
20141113 @ 0450



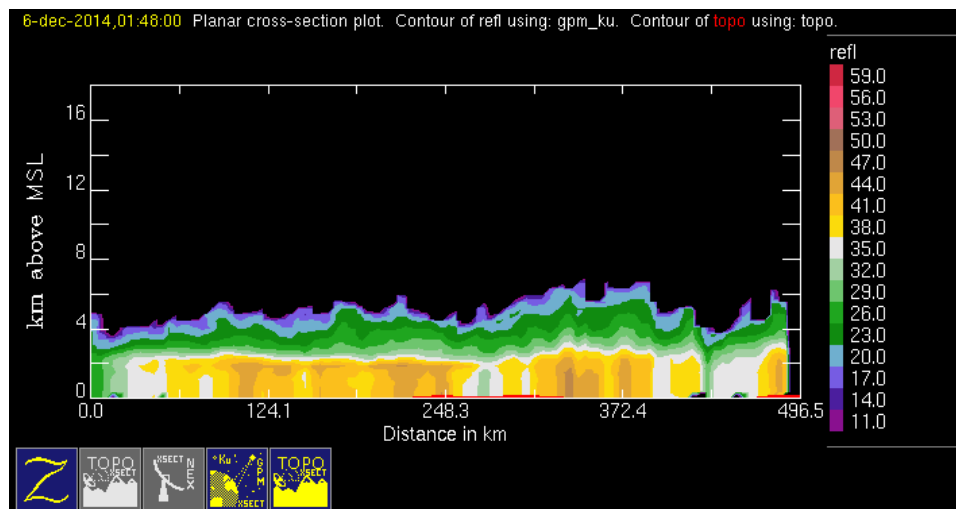
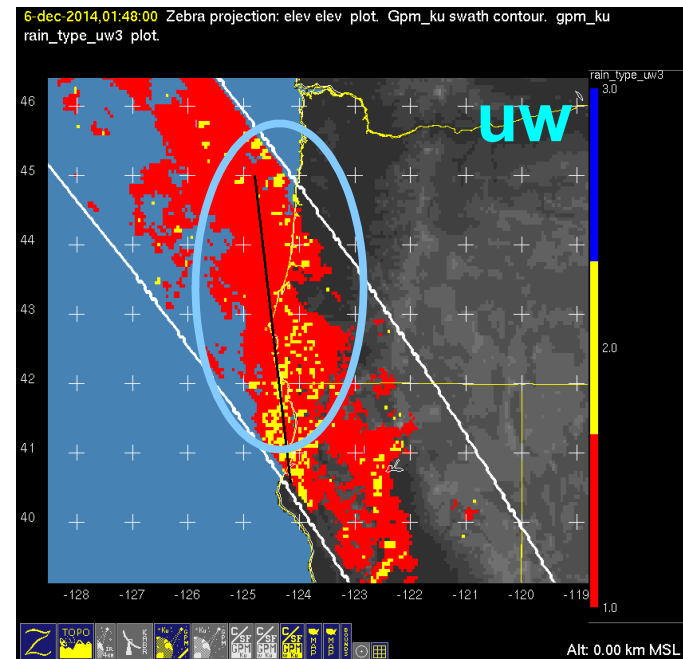
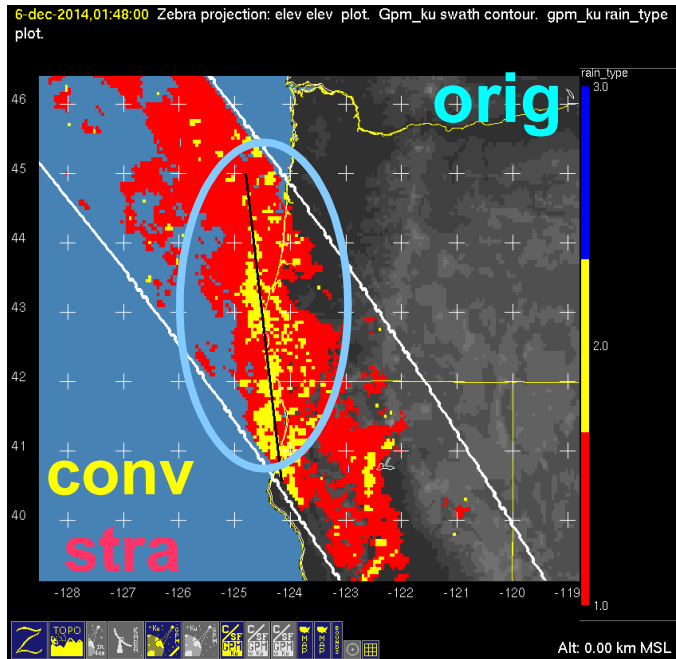
20141123 @ 1714



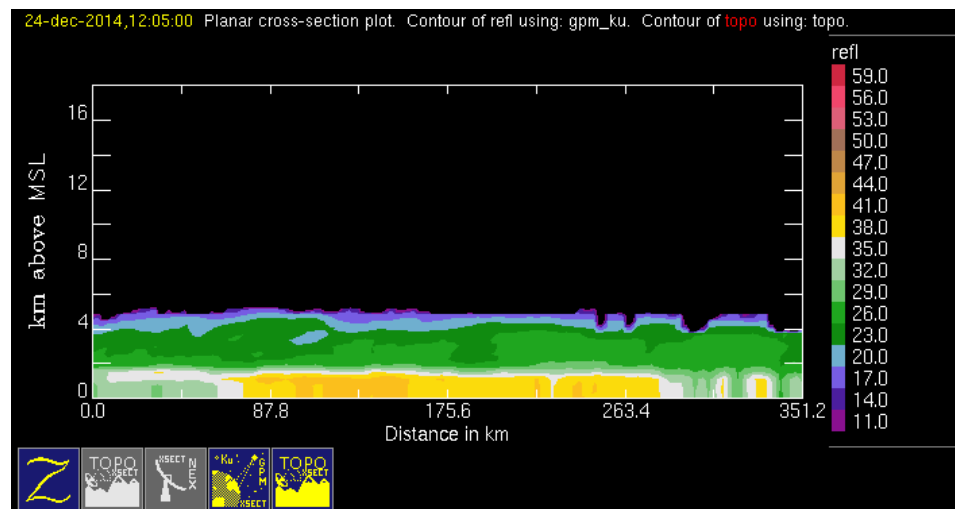
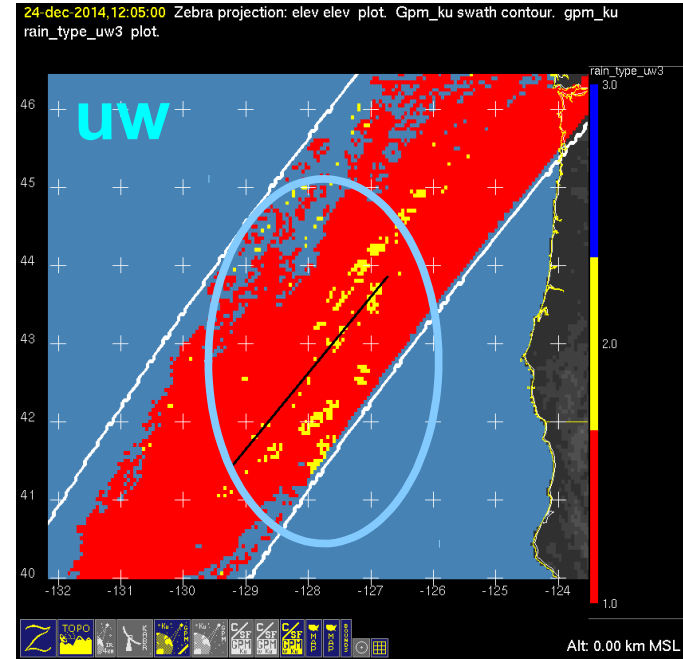
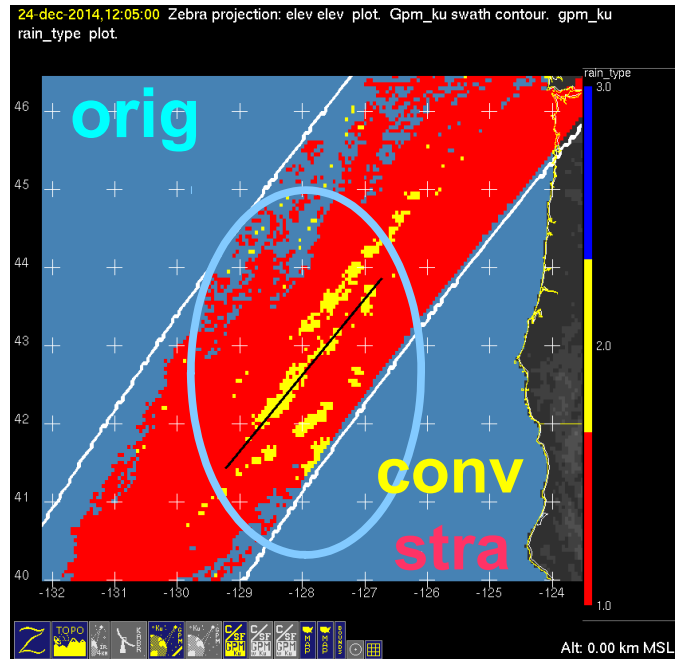
20141124 @ 1623



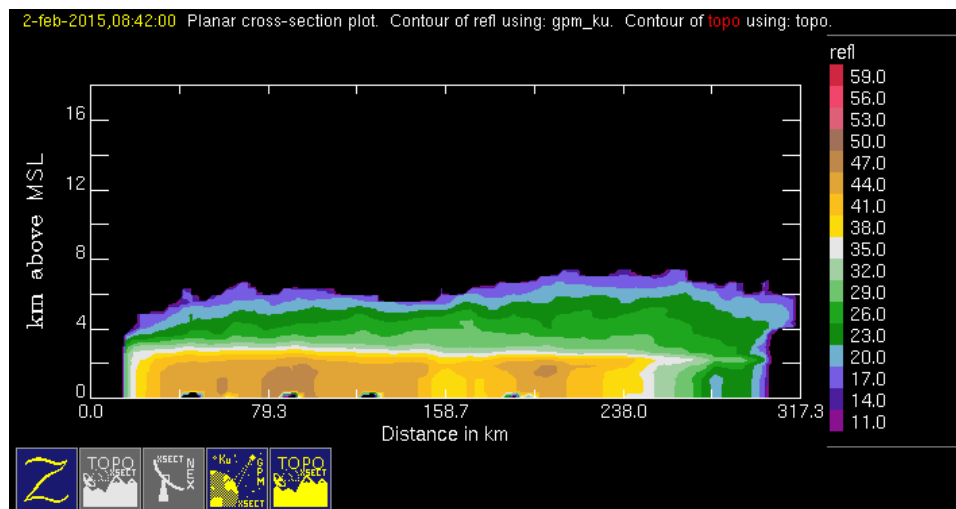
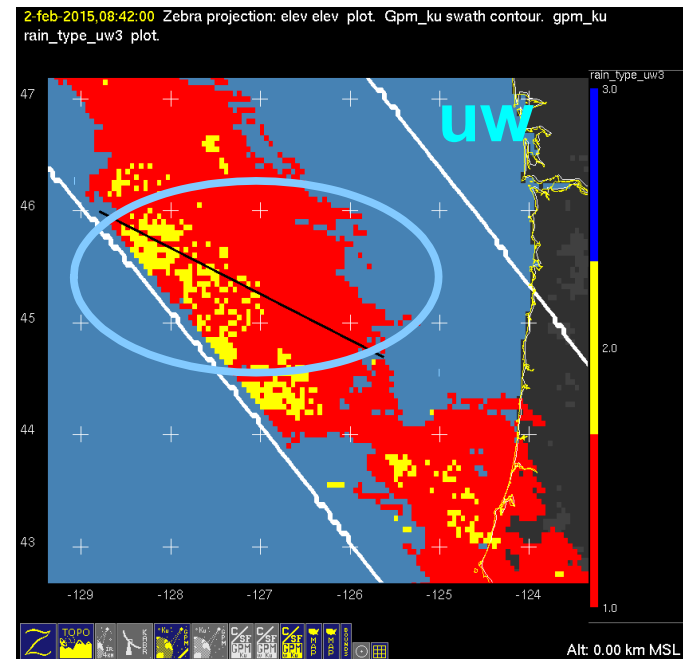
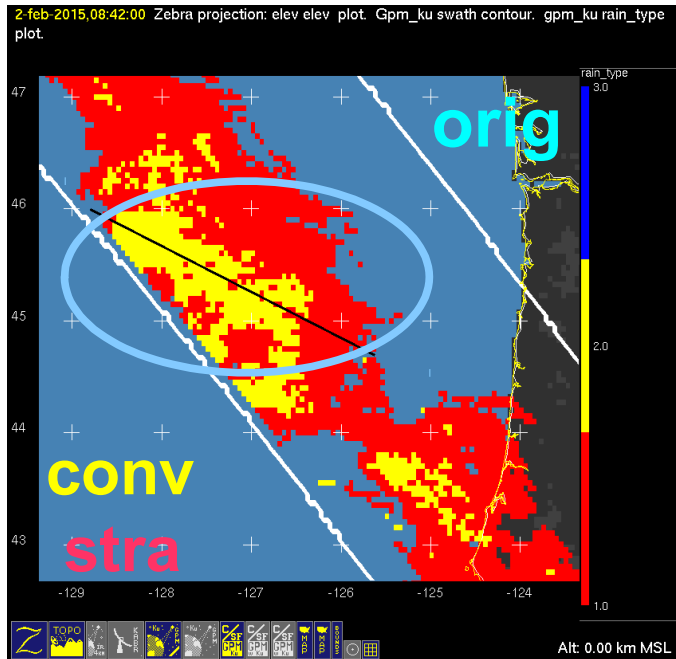
20141206 @ 0148



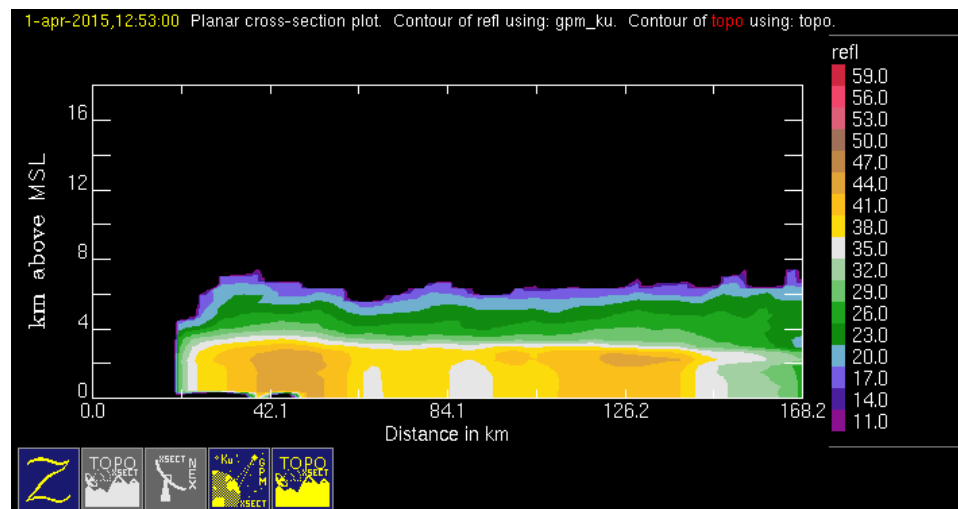
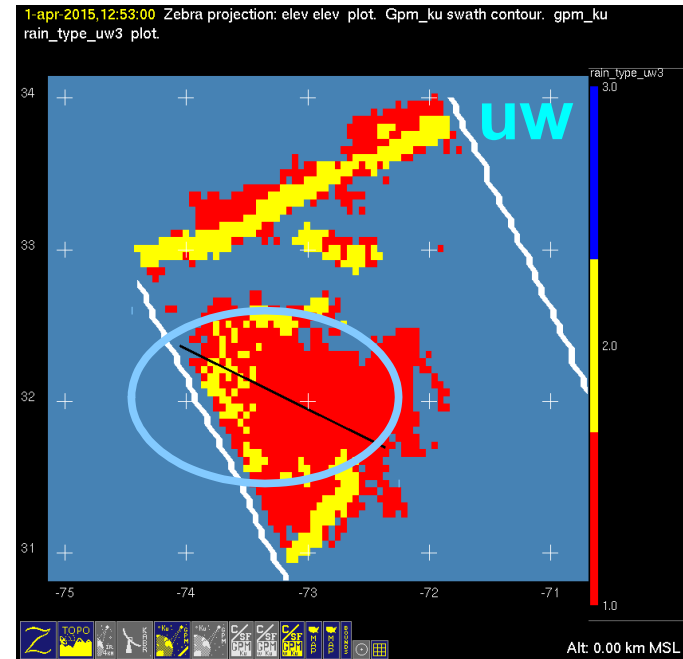
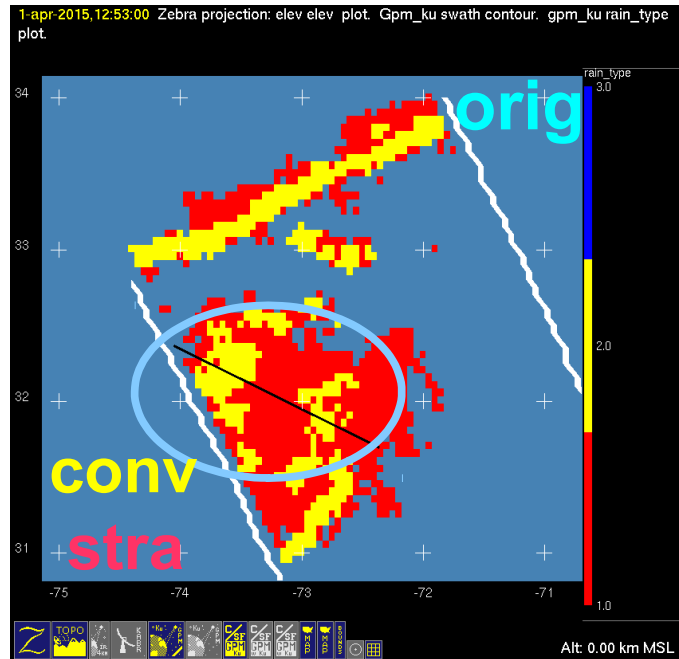
20141224 @ 1205



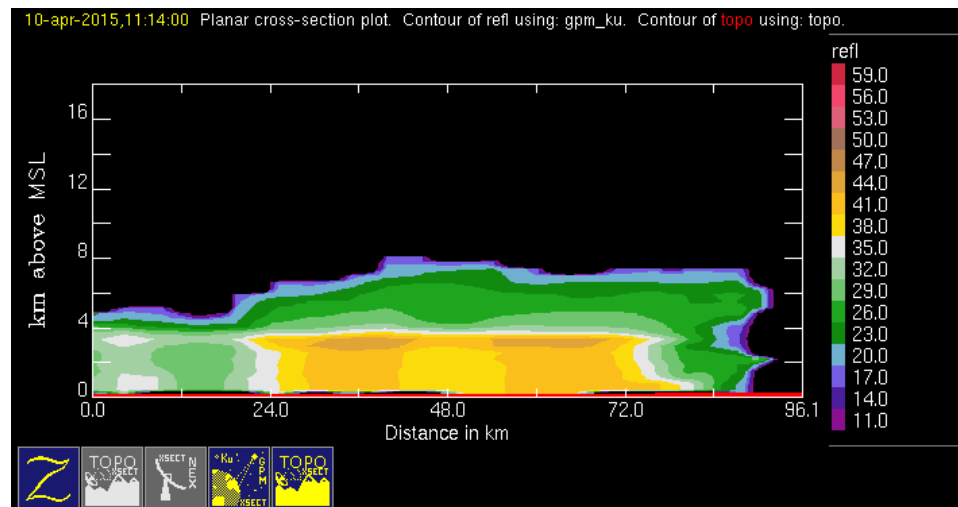
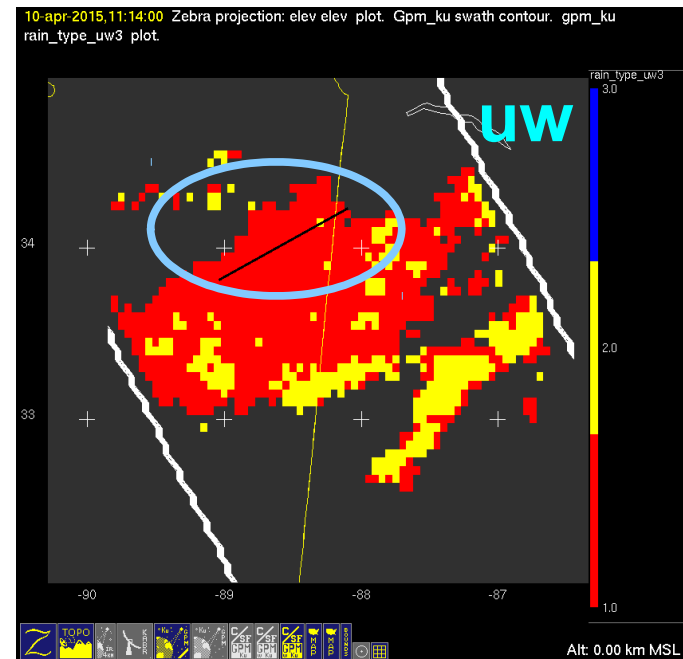
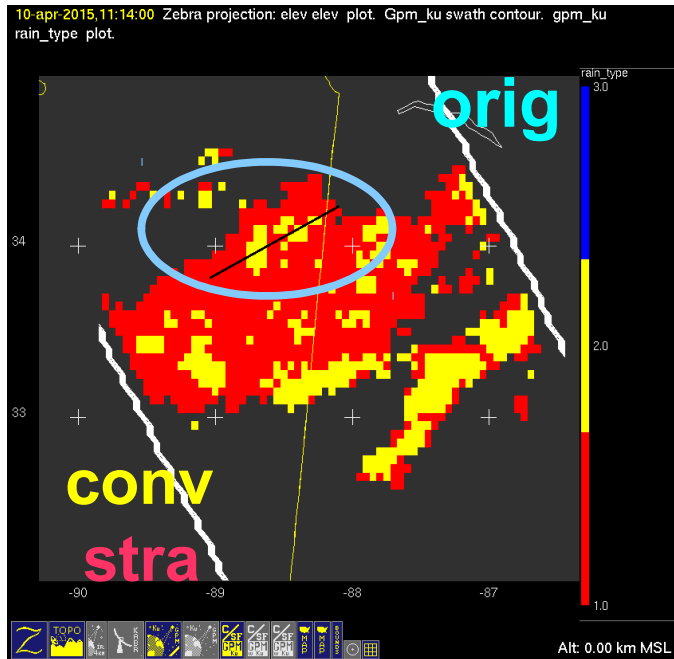
20150202 @ 0842



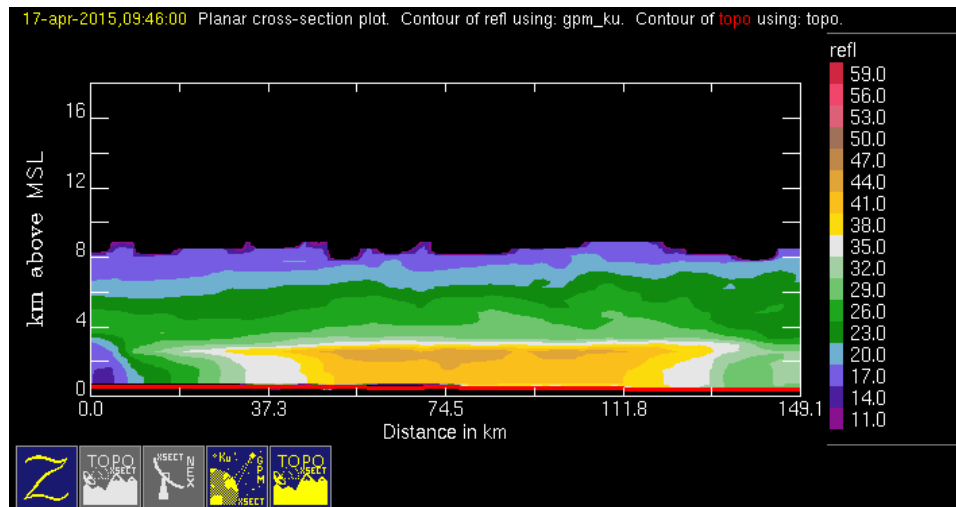
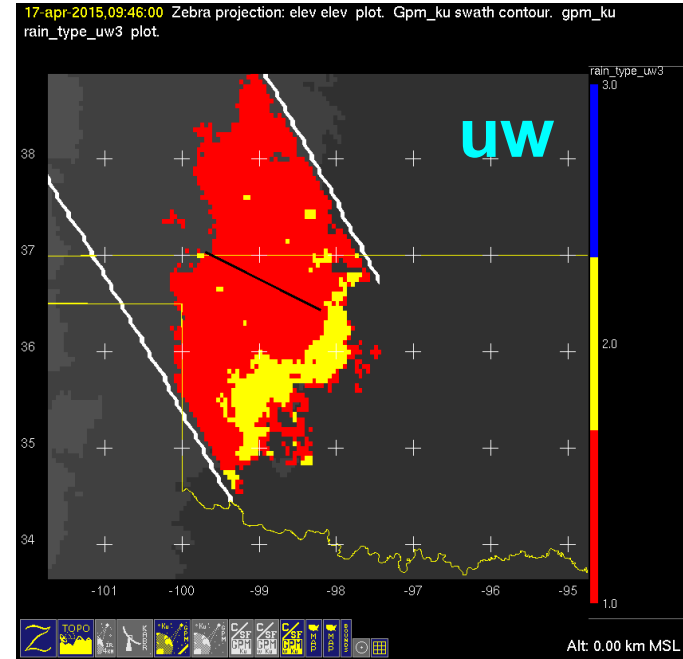
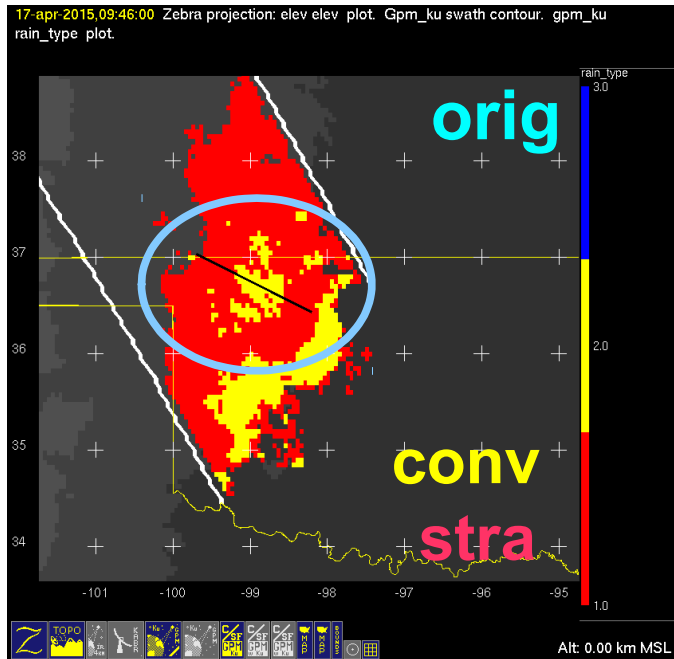
20150401 @ 1253



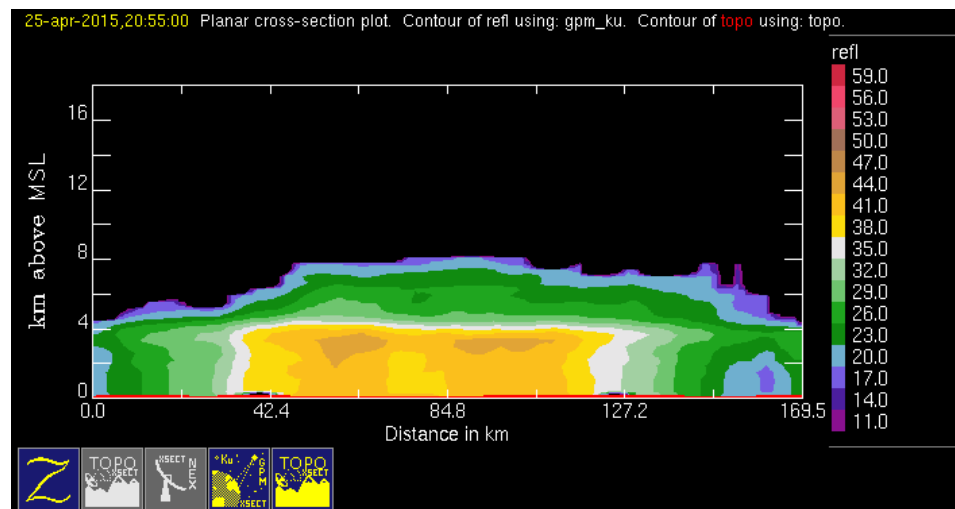
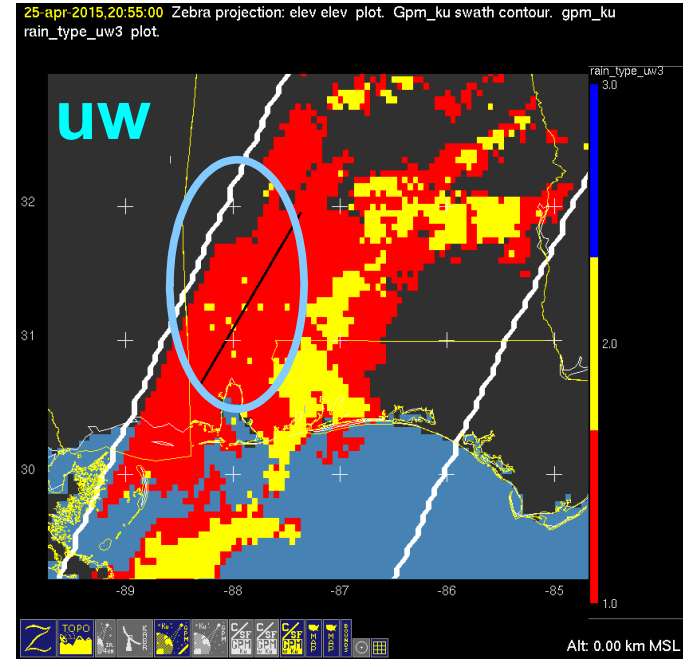
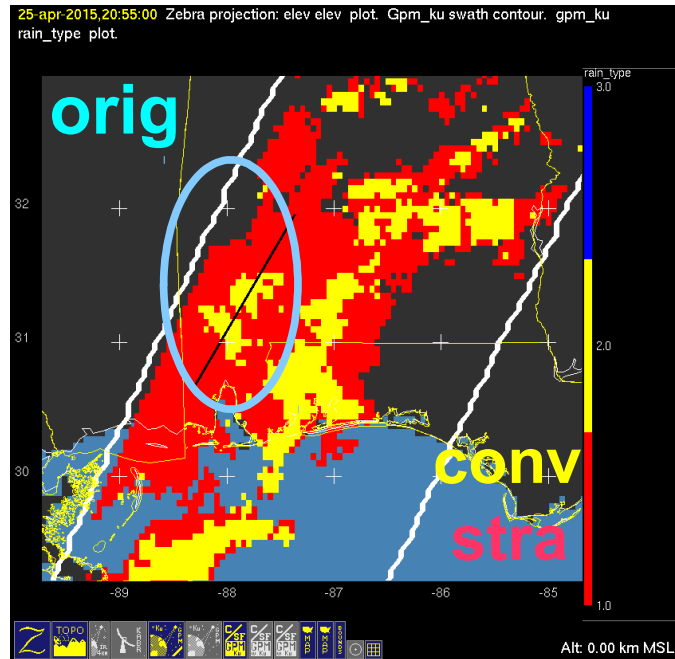
20150410 @ 1114



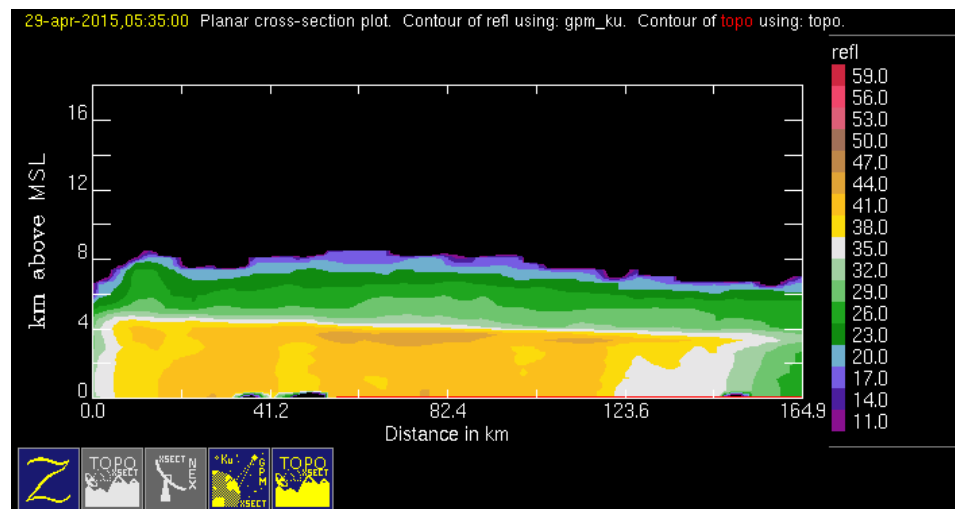
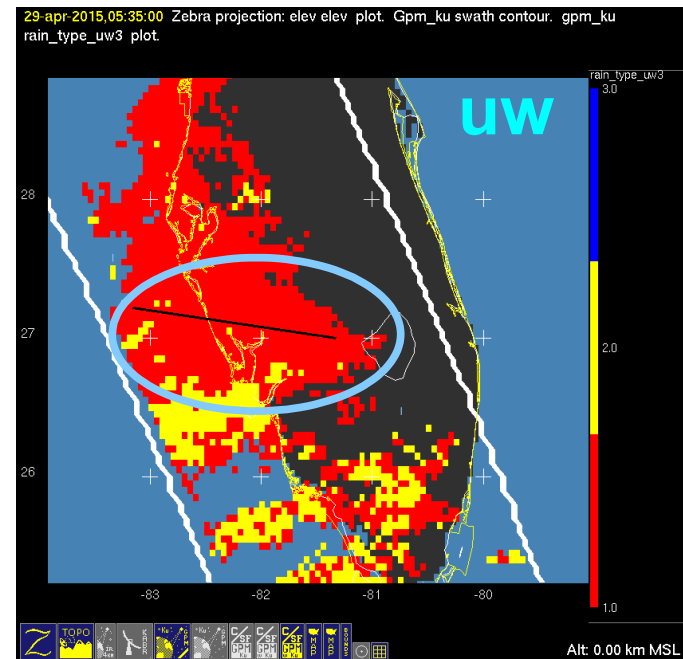
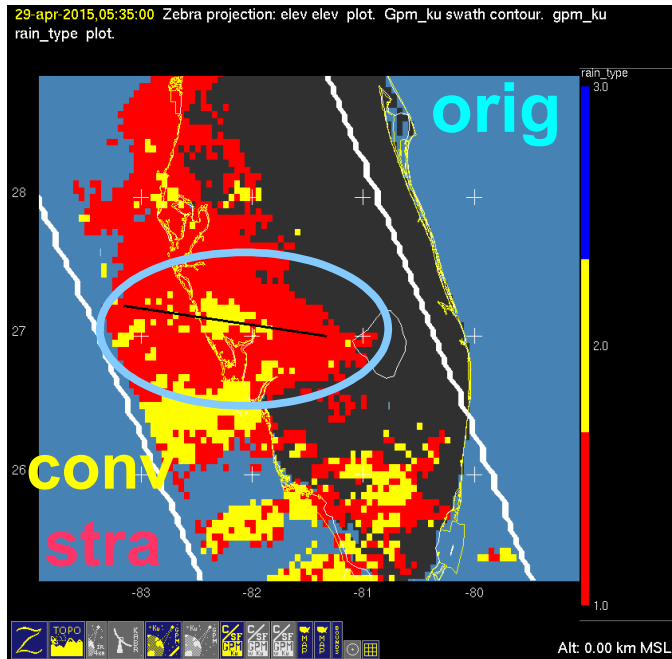
20150417 @ 0946



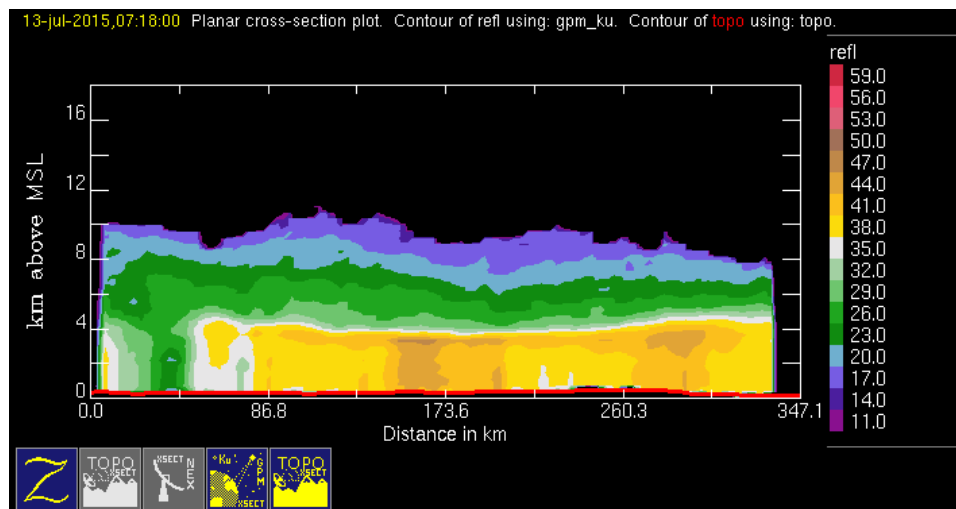
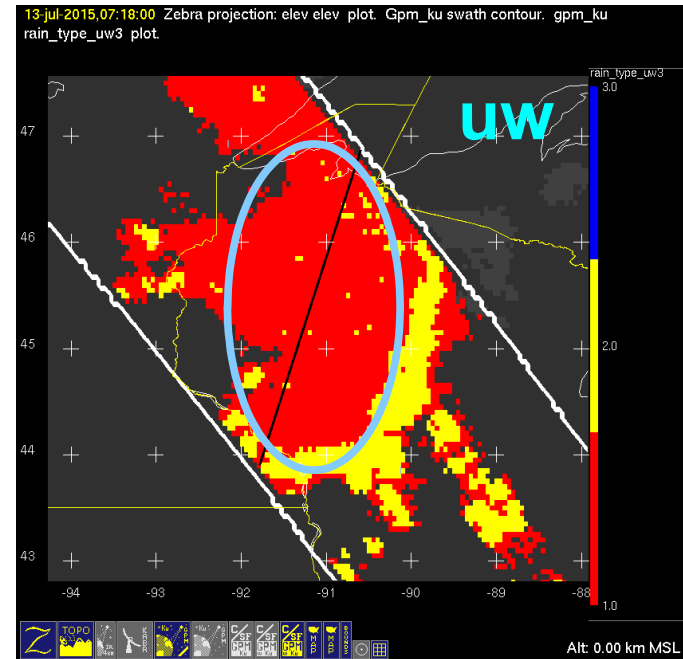
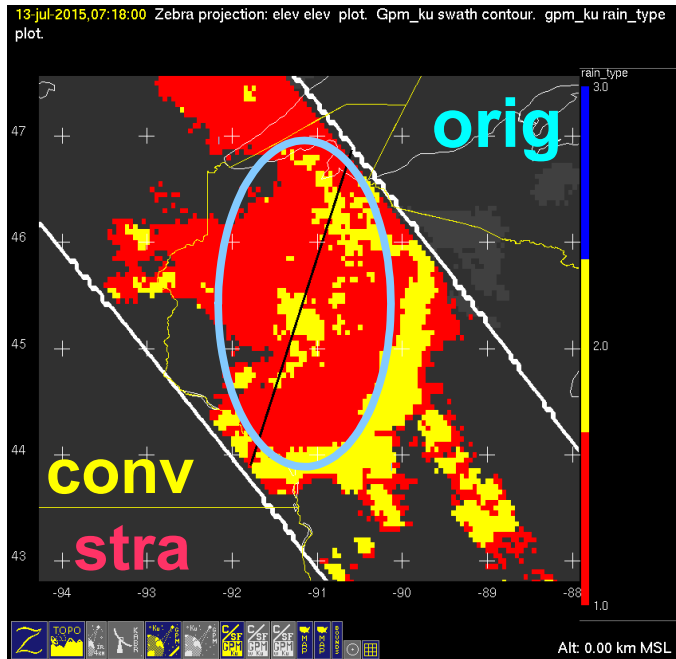
20150425 @ 2055



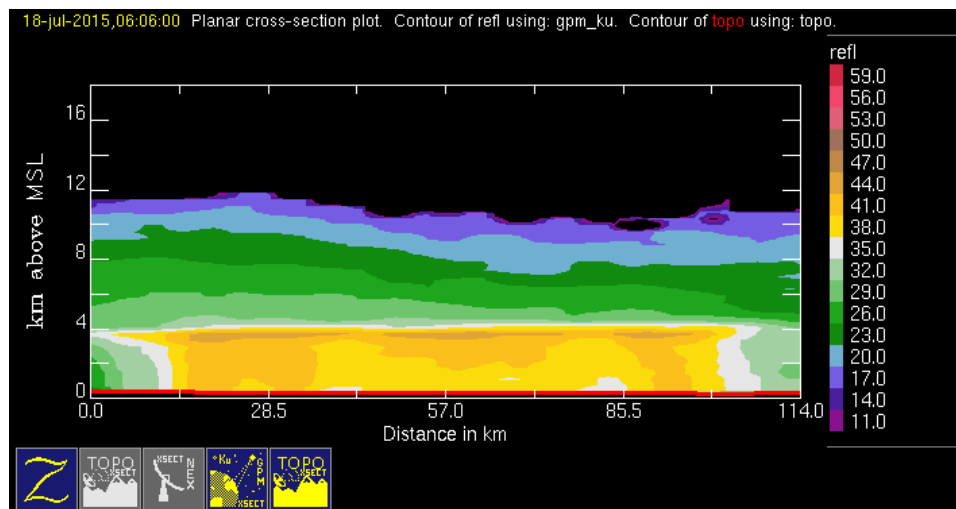
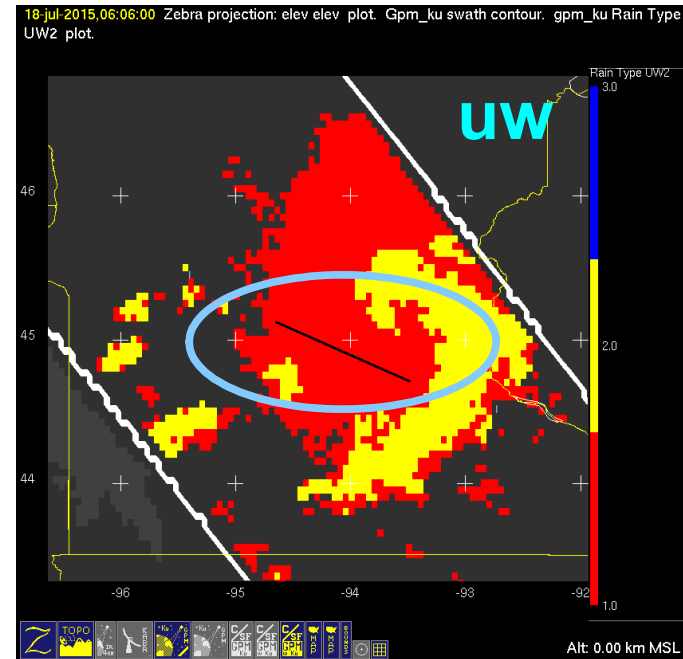
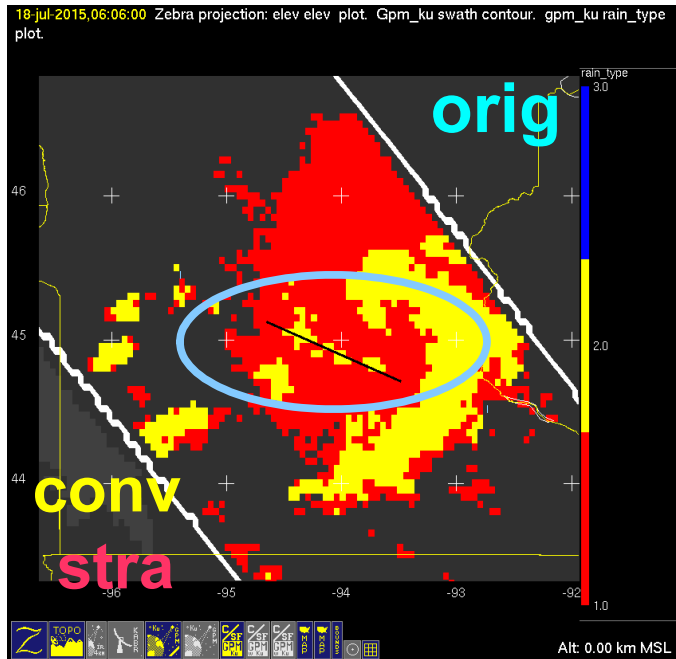
20150429 @ 0535



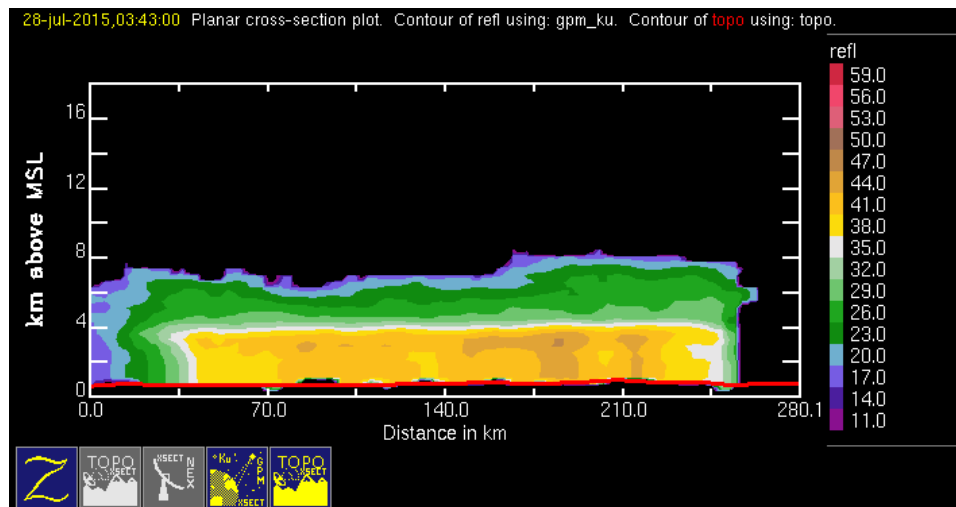
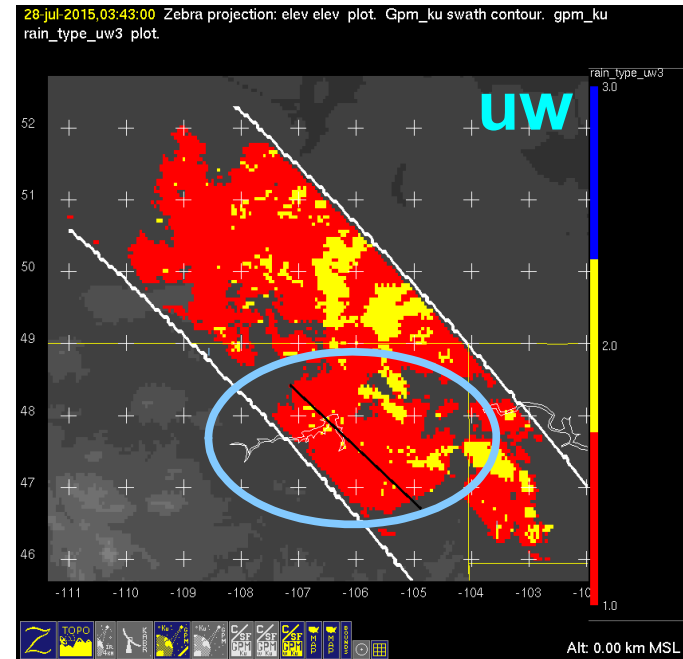
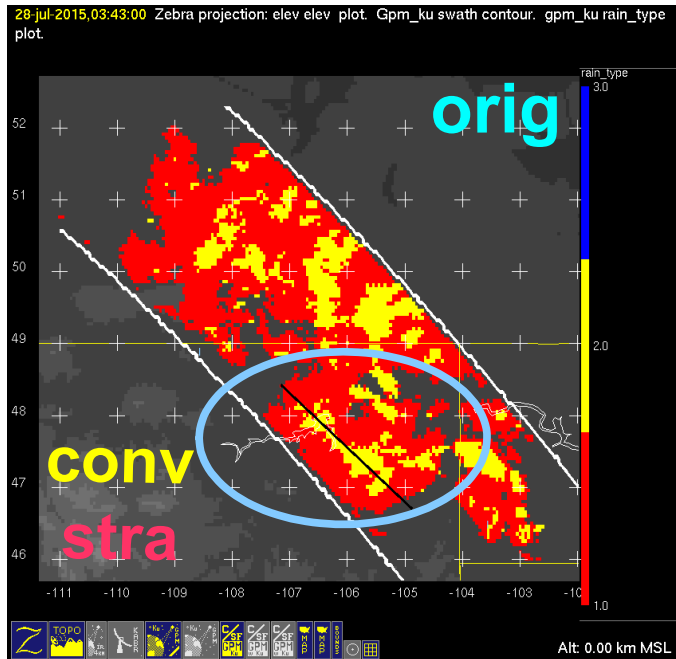
20150713 @ 0718



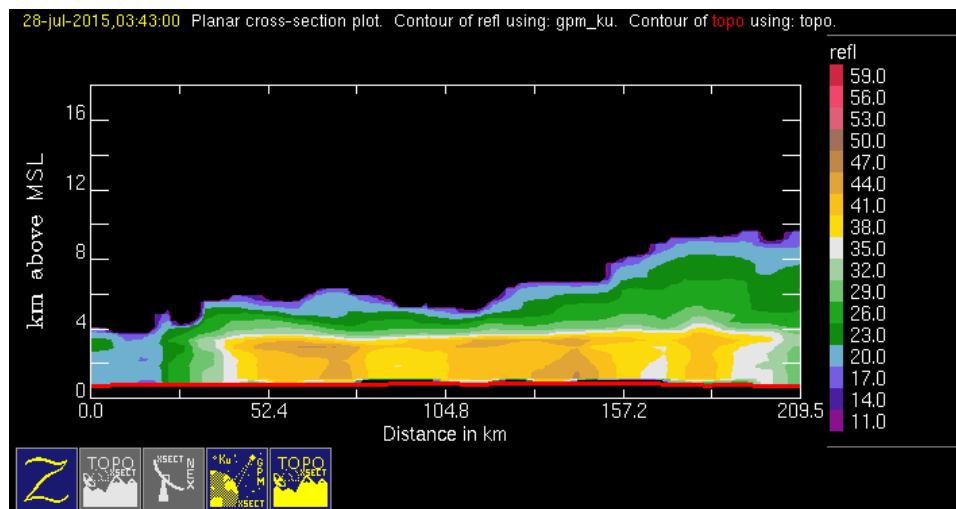
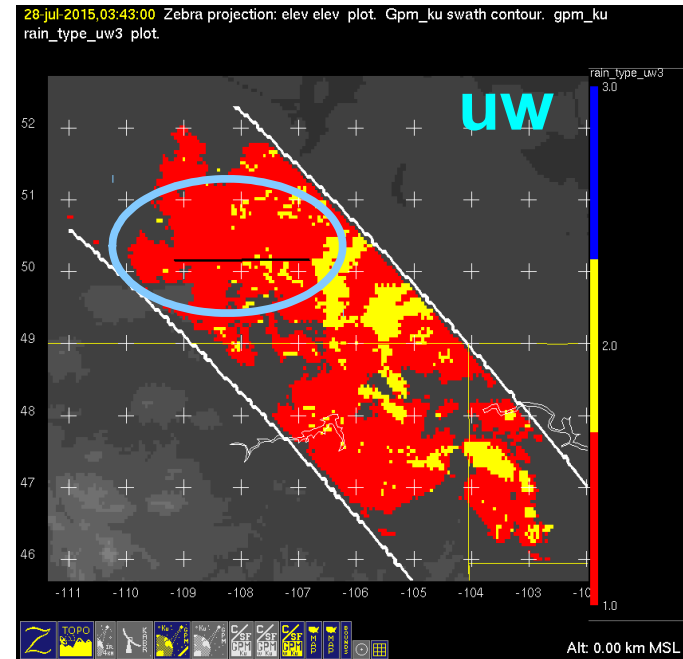
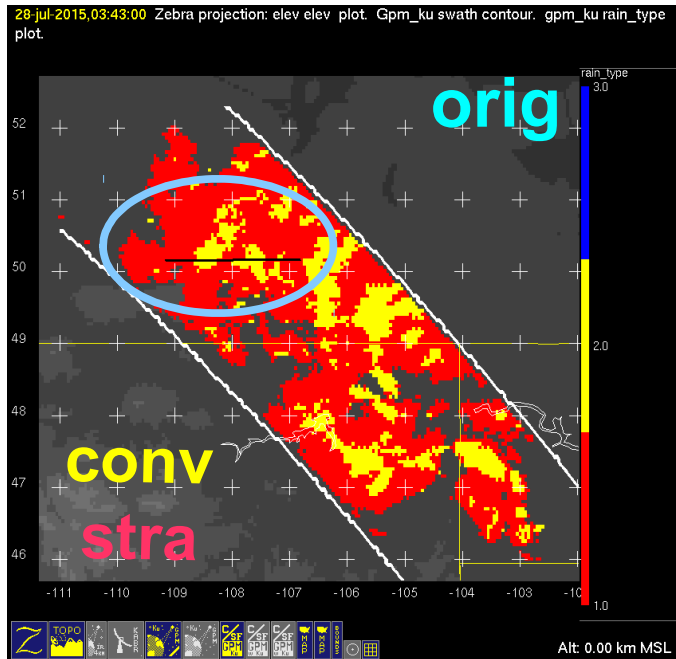
20150718 @ 0606



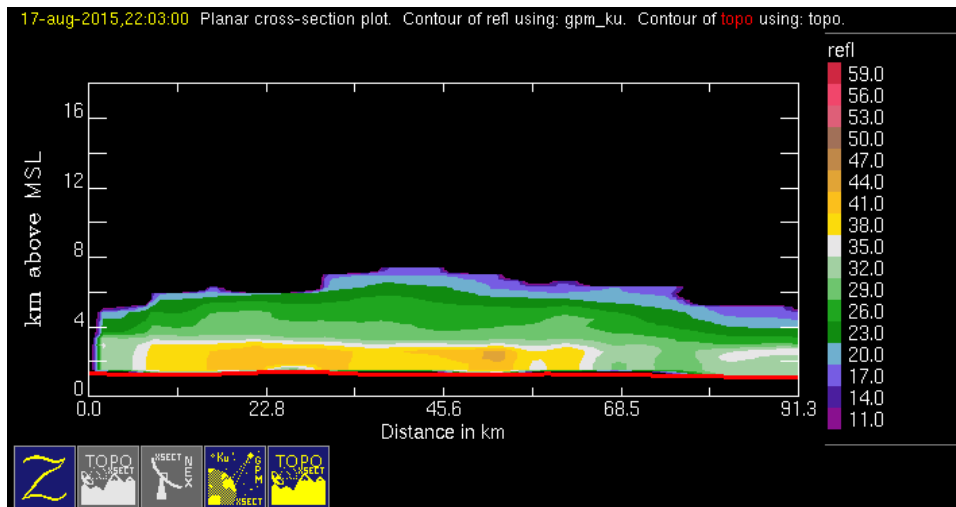
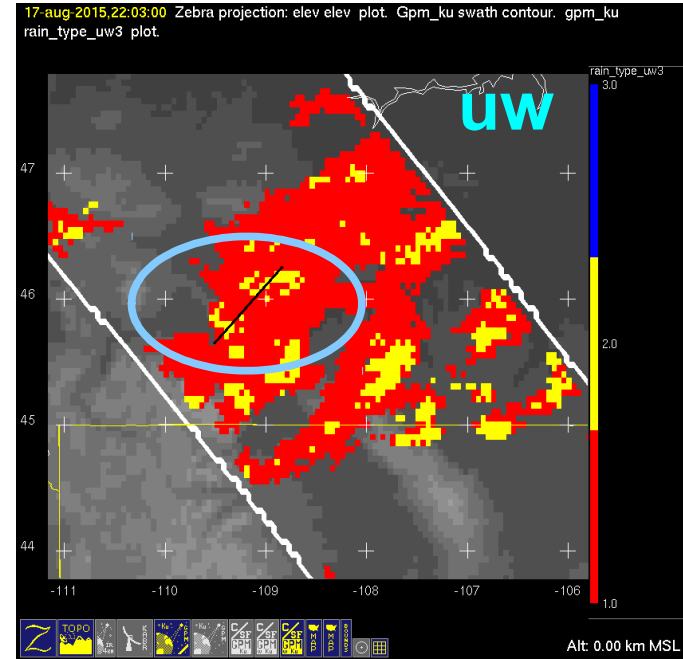
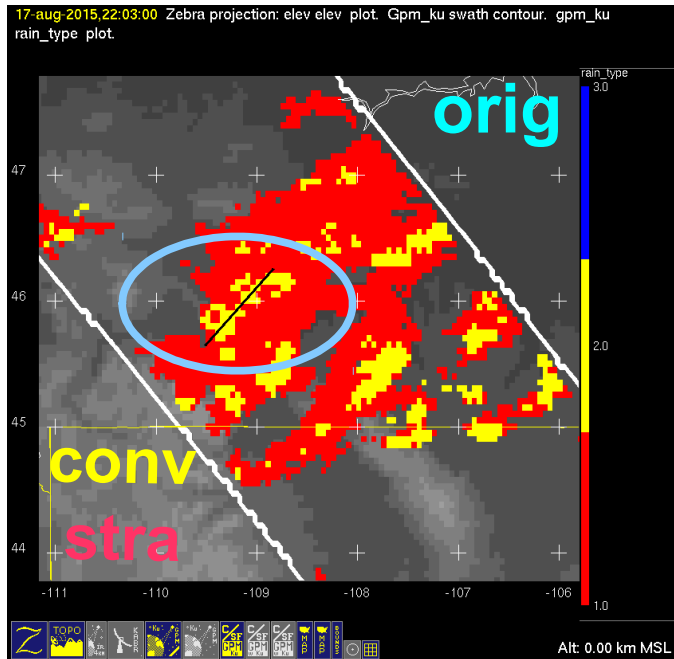
20150728 @ 0343 #1/2



20150728 @ 0343 #2/2

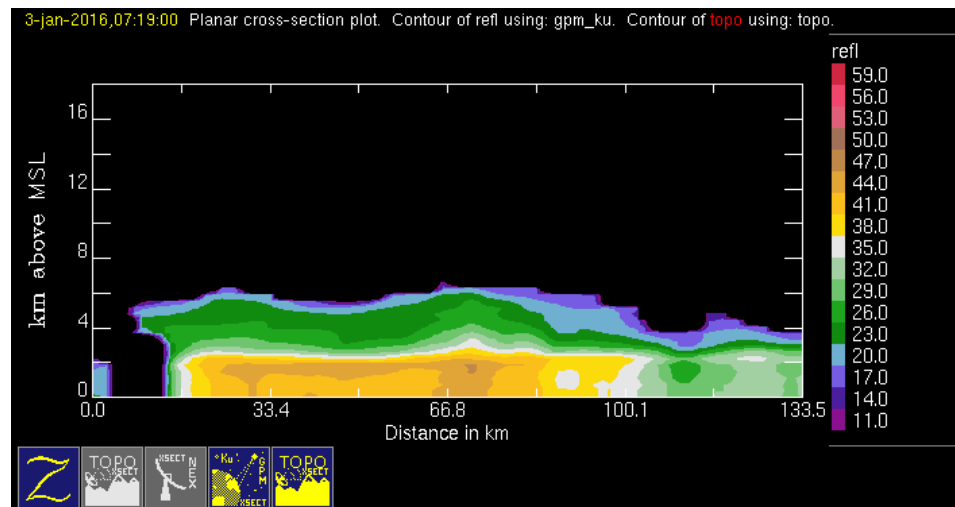
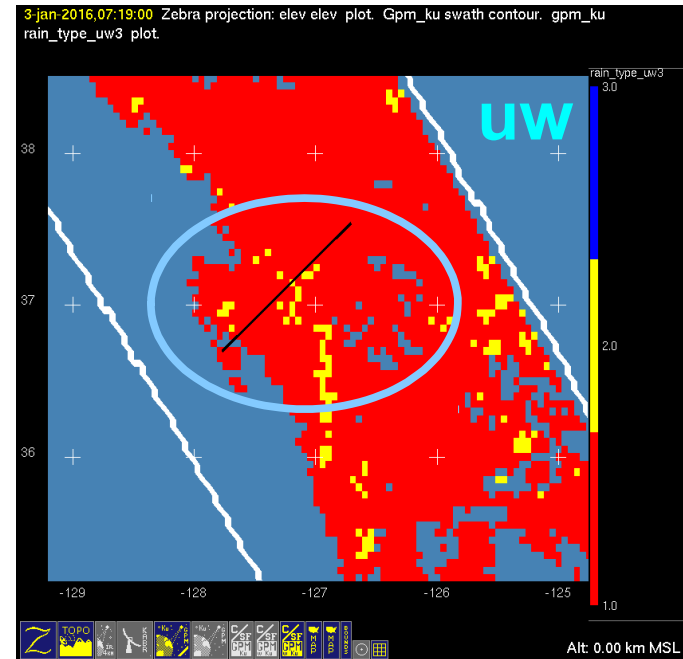
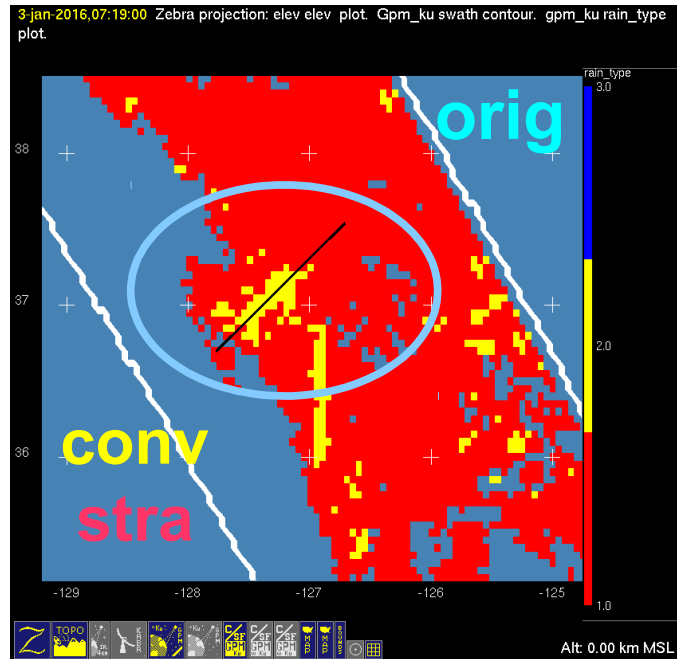


20150817 @ 2203

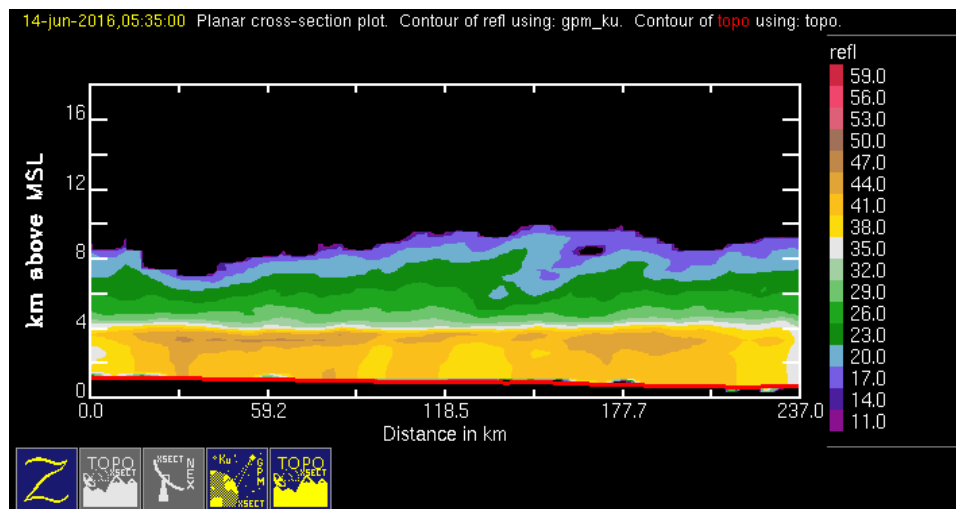
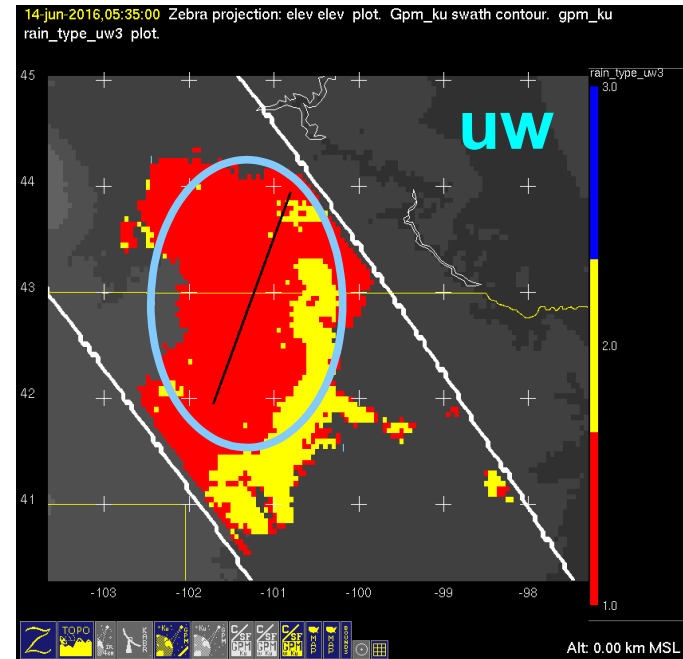
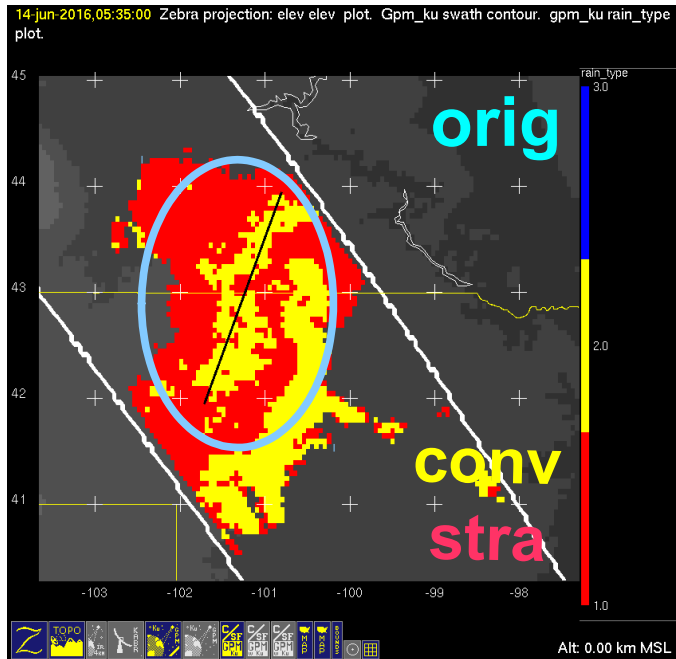


Not sure why this correction is not very good.

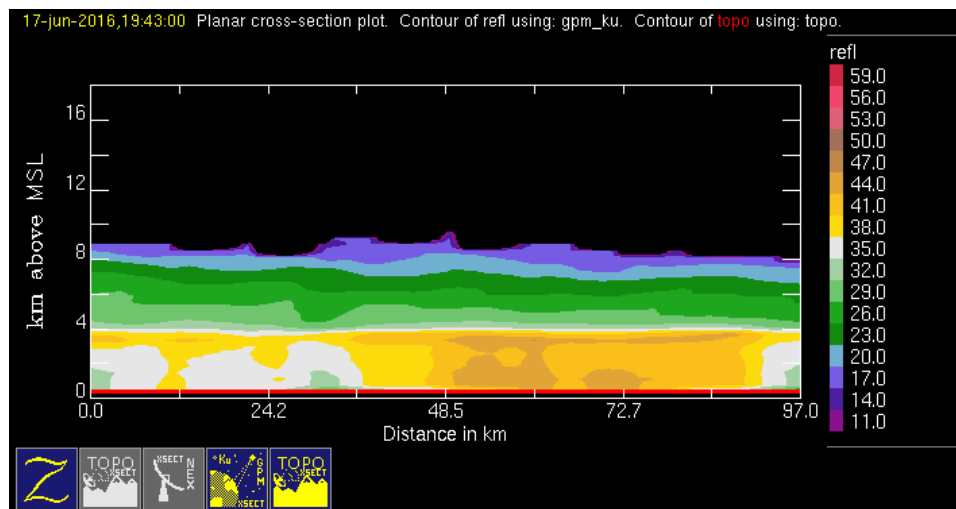
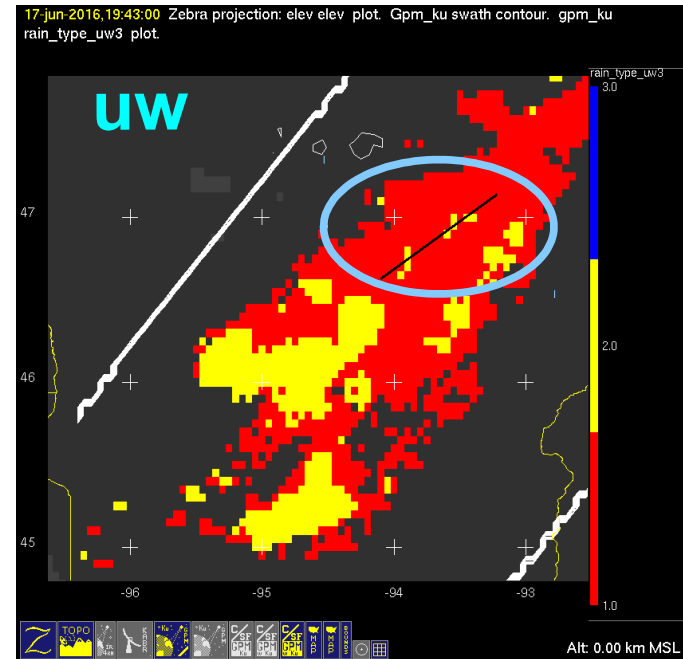
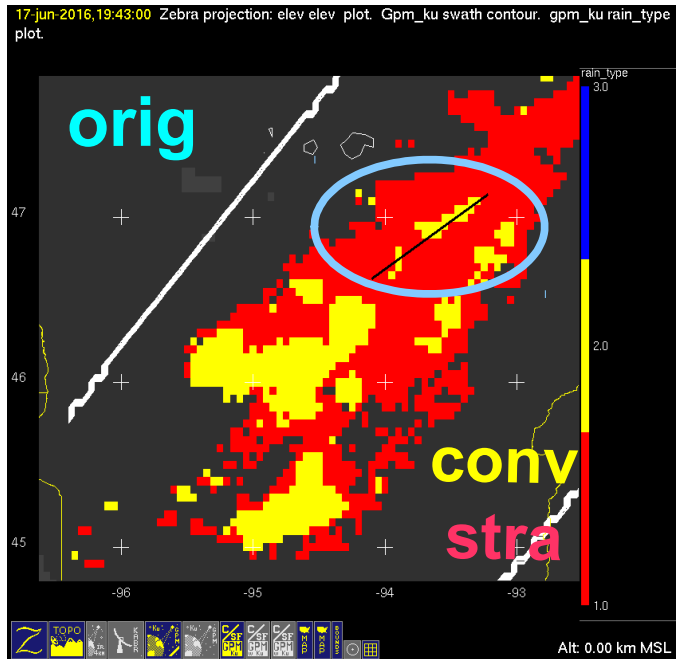
20160103 @ 0719



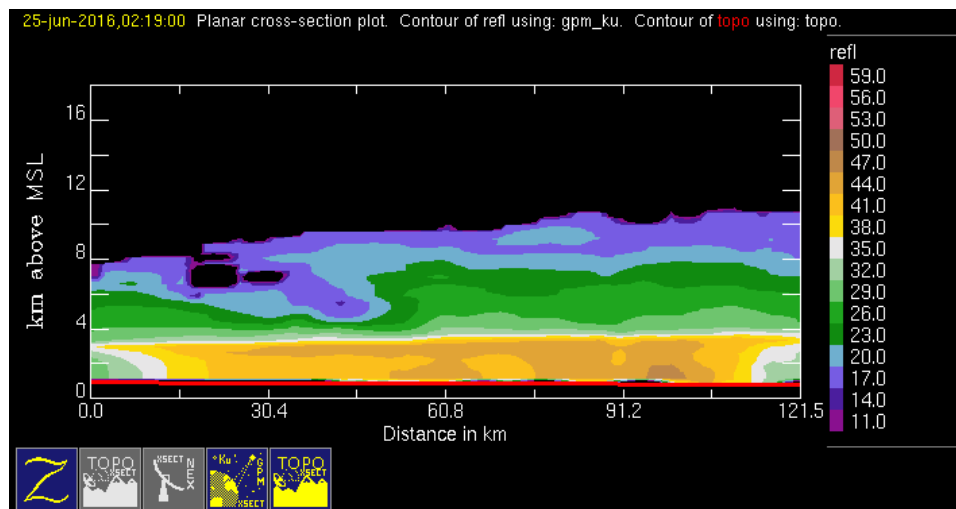
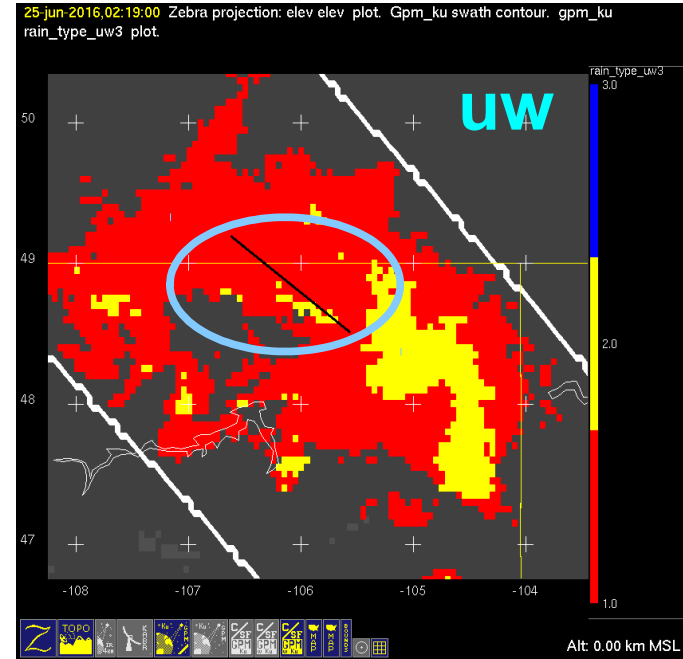
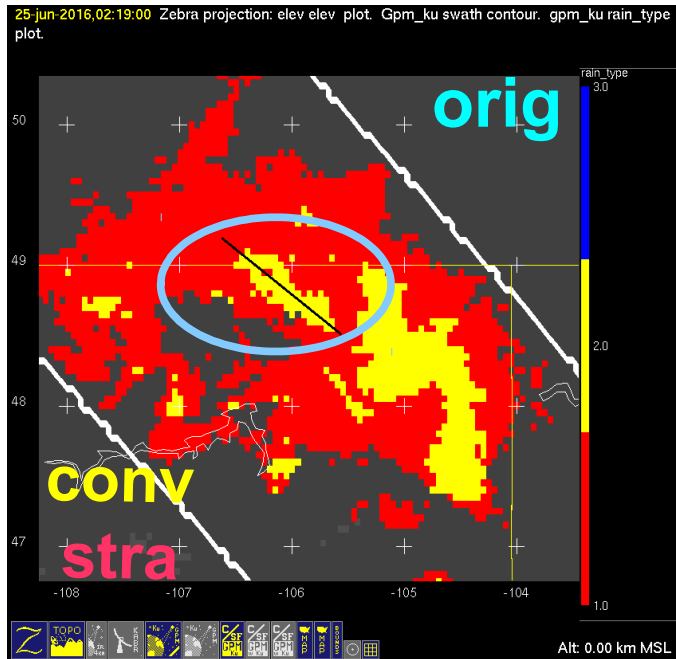
20160614 @ 0535



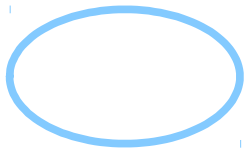
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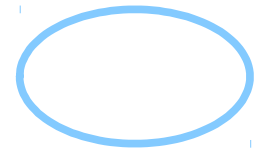
orig



conv

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20150817 @ 2203



uw