

UW MODIFICATION TO 2AKu rain_type FIELD

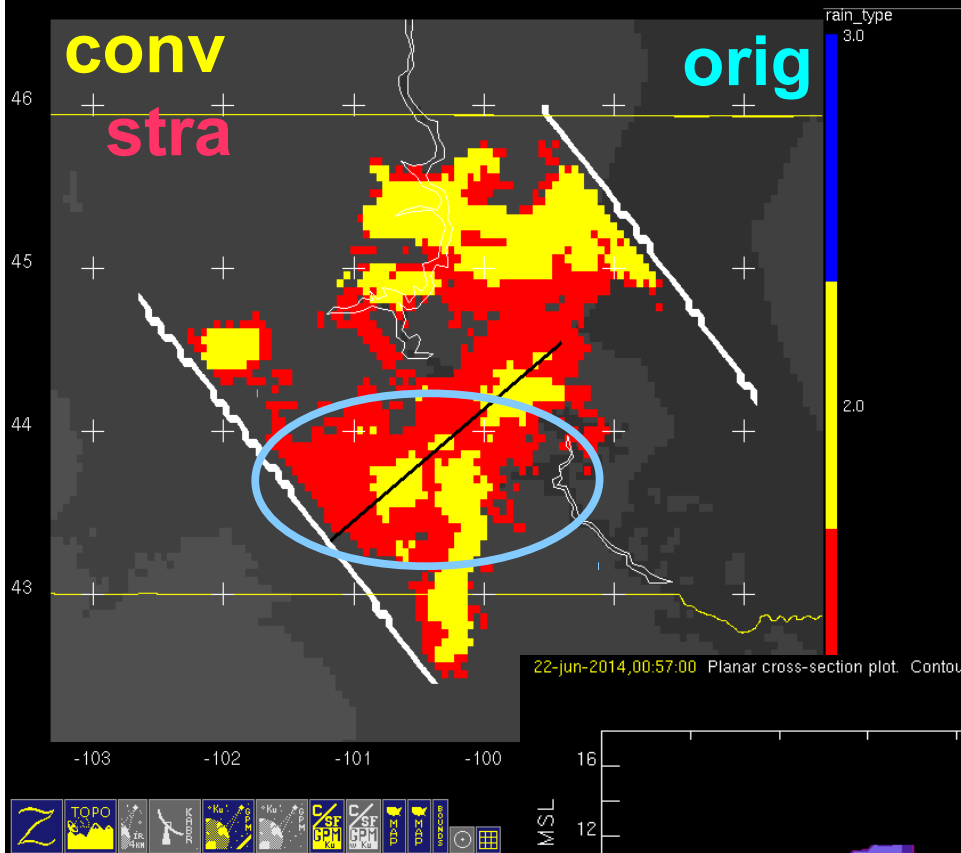
If the following three criteria are met for a grid point, the rain_type is changed to STRATIFORM:

- The original classification is CONVECTIVE
- The maximum reflectivity in the column is greater than 40dBZ
- The height at which that maximum reflectivity occurs is between 3 and 5 km

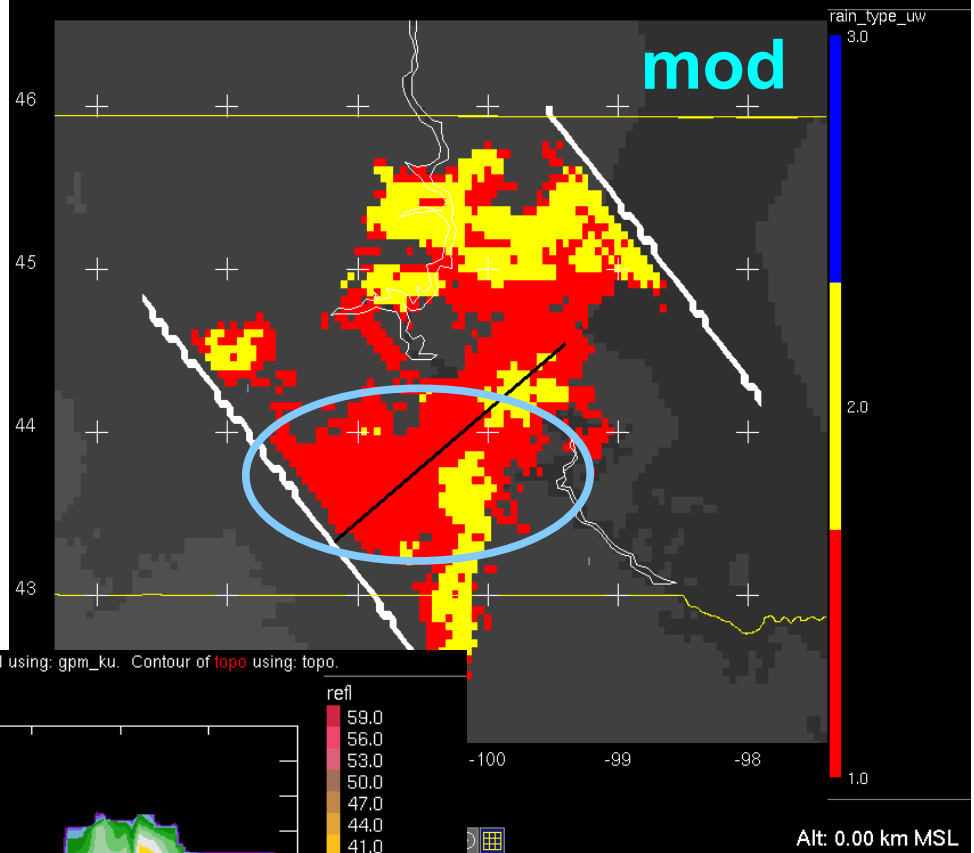
Each of the following slides shows the original classification on the left, the UW modified classification on the right and a cross-section of the reflectivity which represents the cut where the black line is drawn on the horizontal plots.

20140622 @ 005639

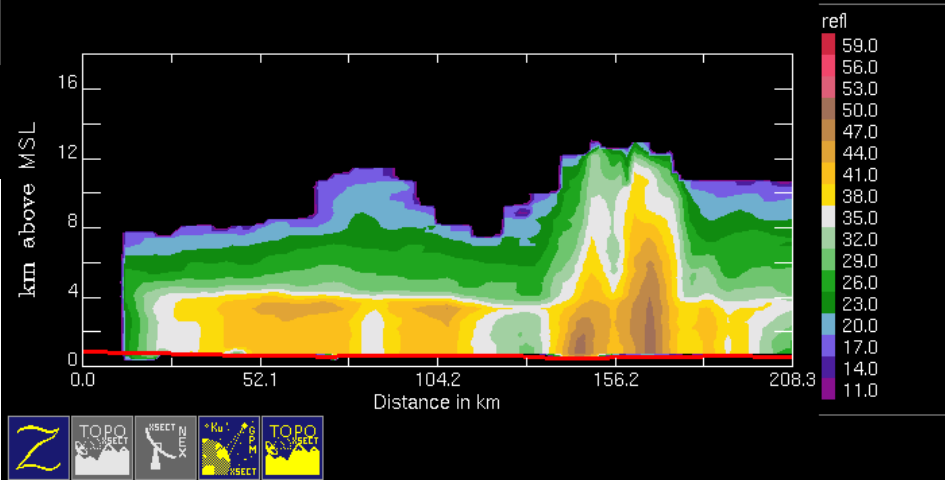
22-jun-2014,00:57:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type plot.



22-jun-2014,00:57:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type_uw plot.

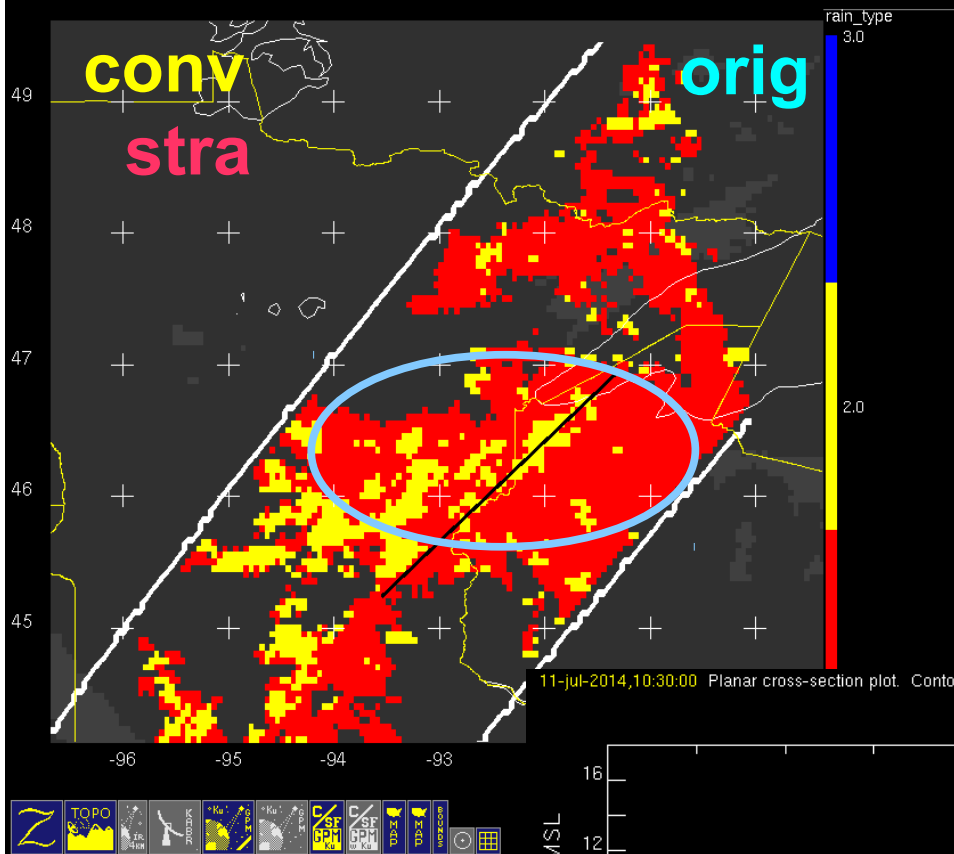


22-jun-2014,00:57:00 Planar cross-section plot. Contour of refl using: gpm_ku. Contour of topo using: topo.

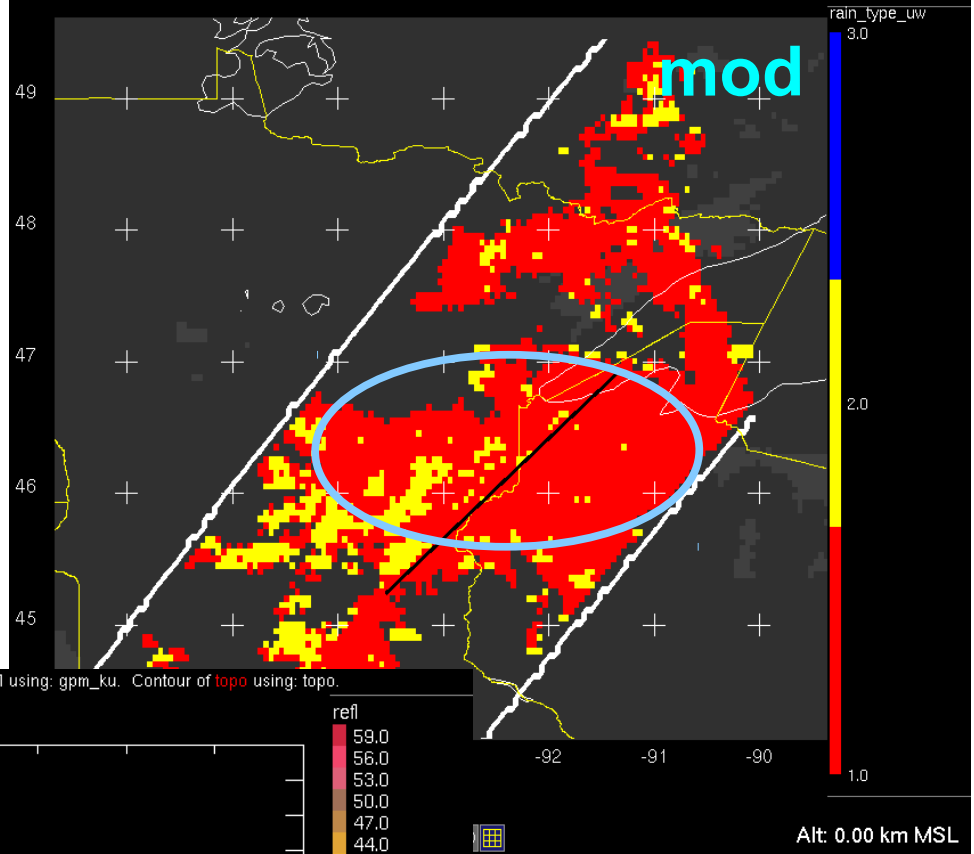


20140711 @ 102925

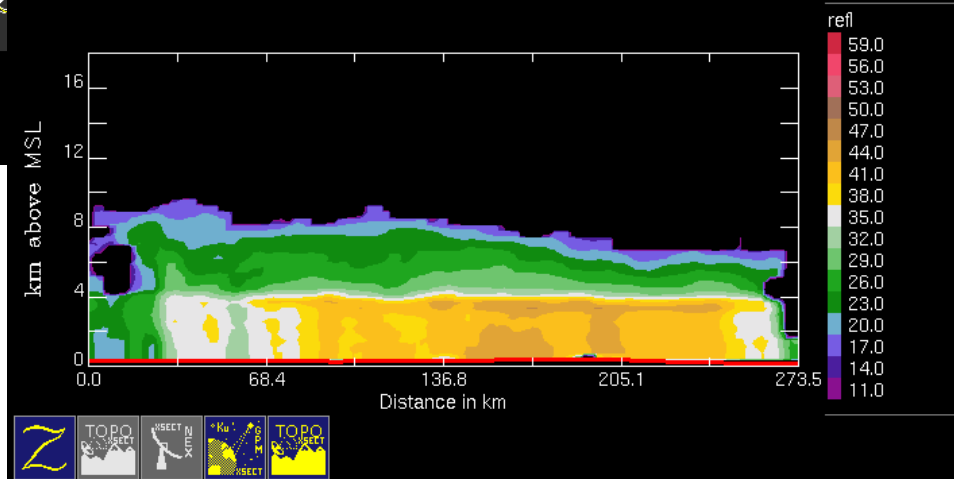
11-Jul-2014,10:30:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type plot.



11-Jul-2014,10:30:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type_uw plot.

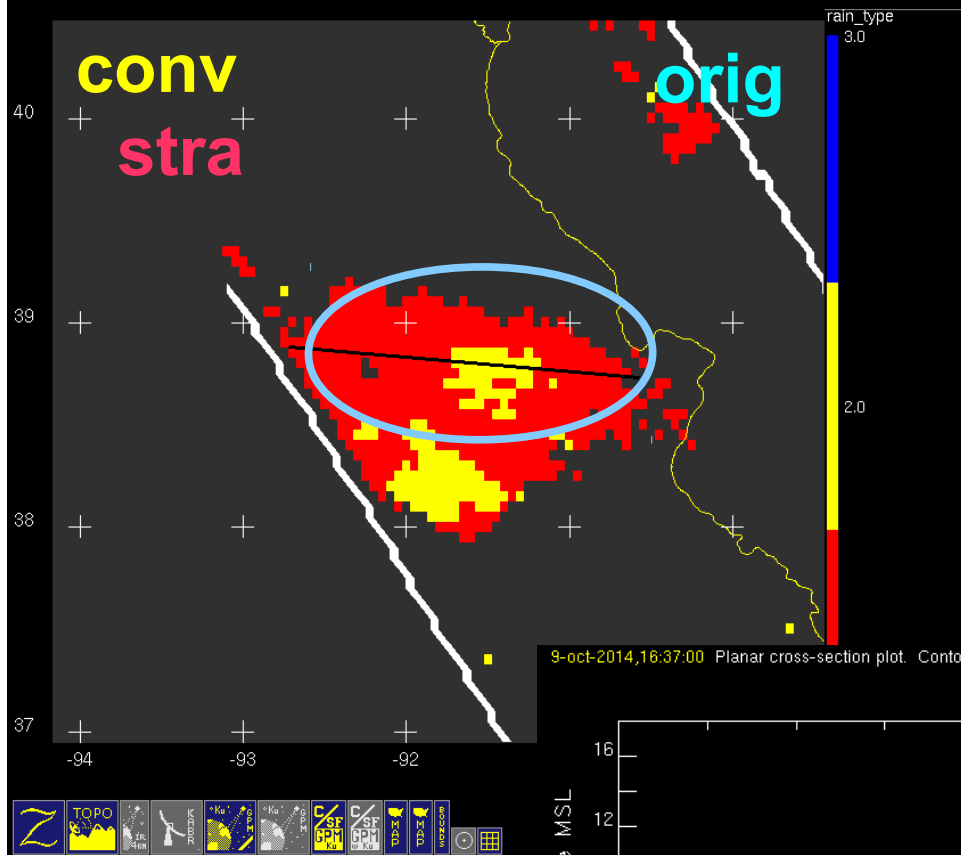


11-Jul-2014,10:30:00 Planar cross-section plot. Contour of refl using: gpm_ku. Contour of topo using: topo.

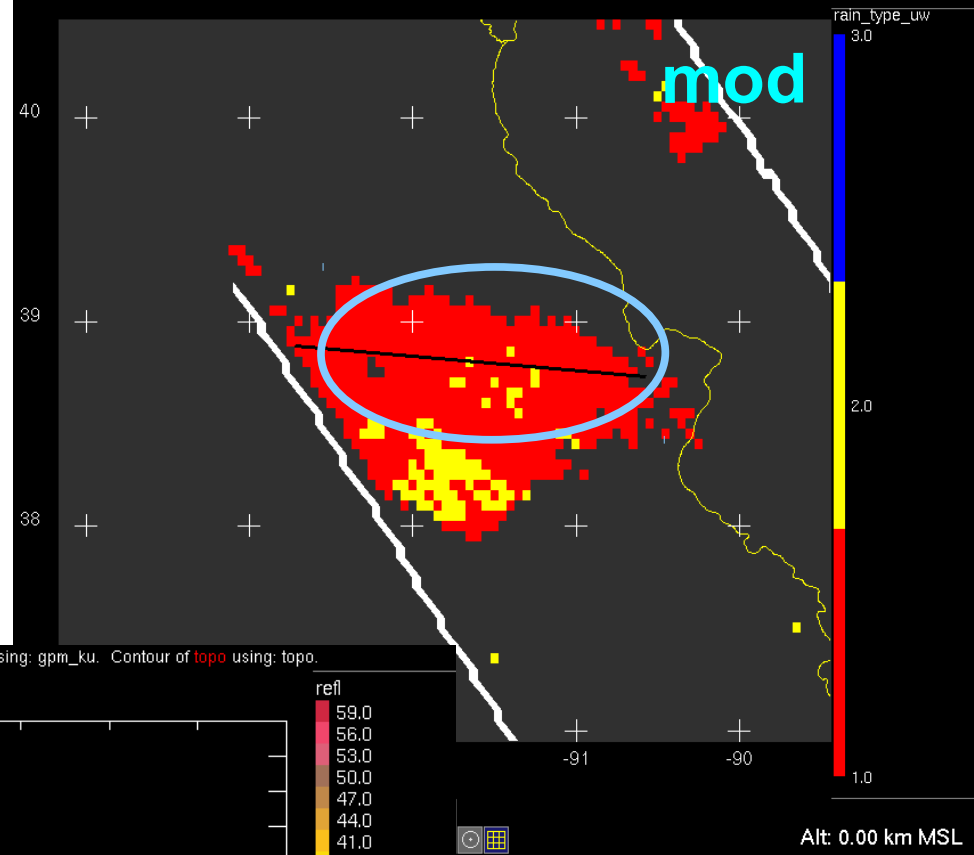


20141009 @ 163649

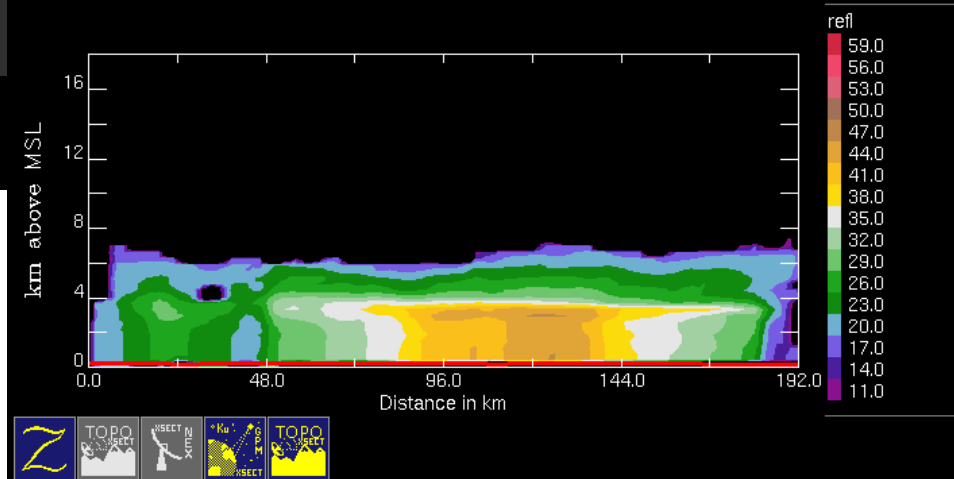
9-oct-2014,16:37:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type plot.



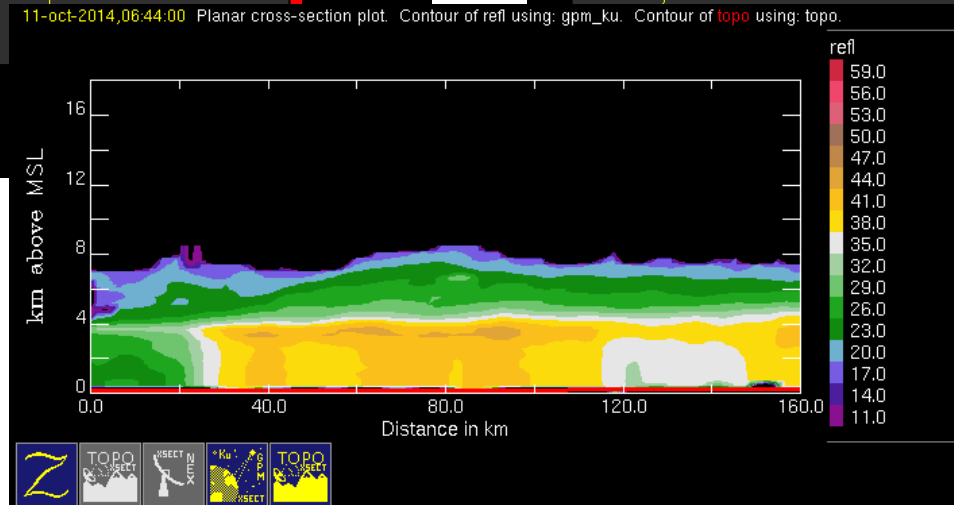
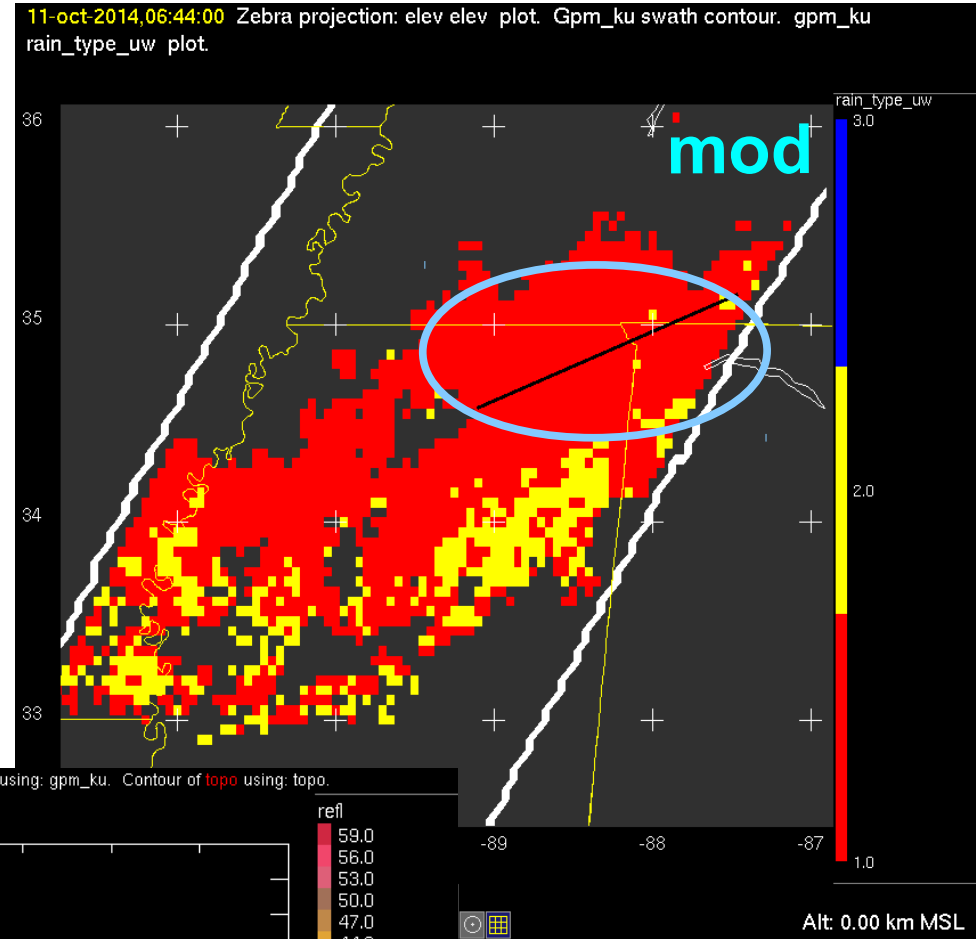
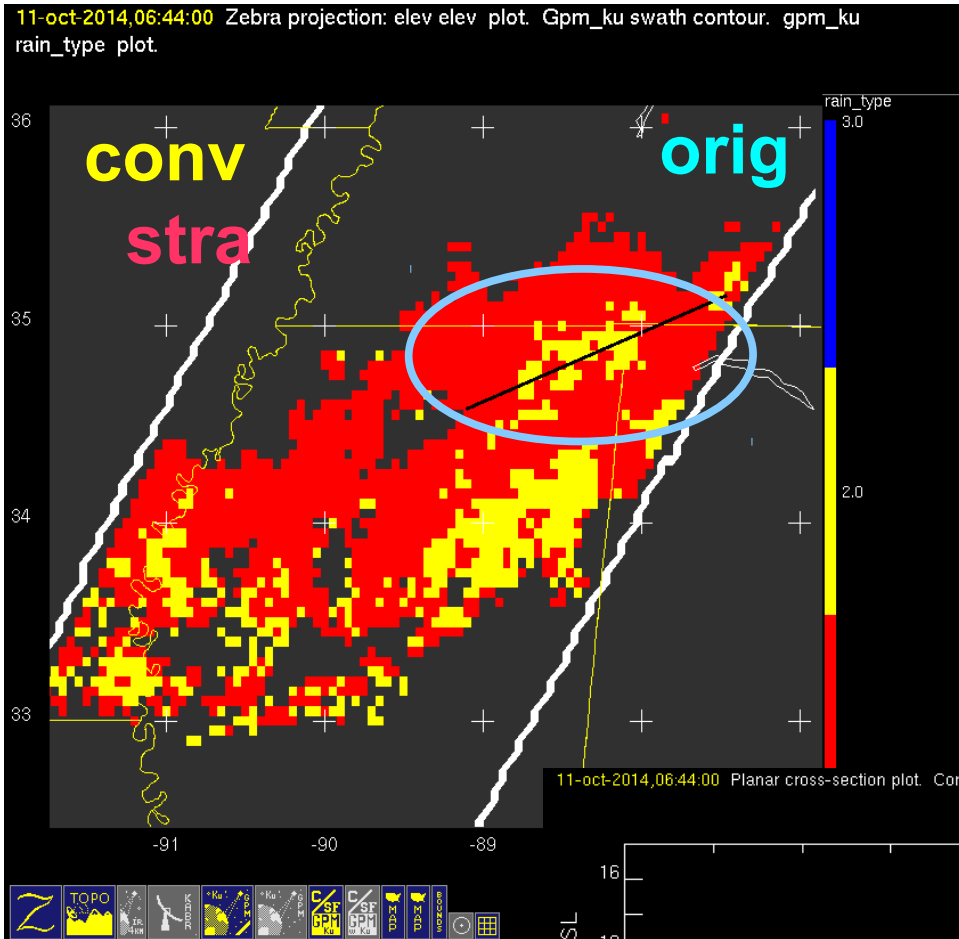
9-oct-2014,16:37:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type_uw plot.



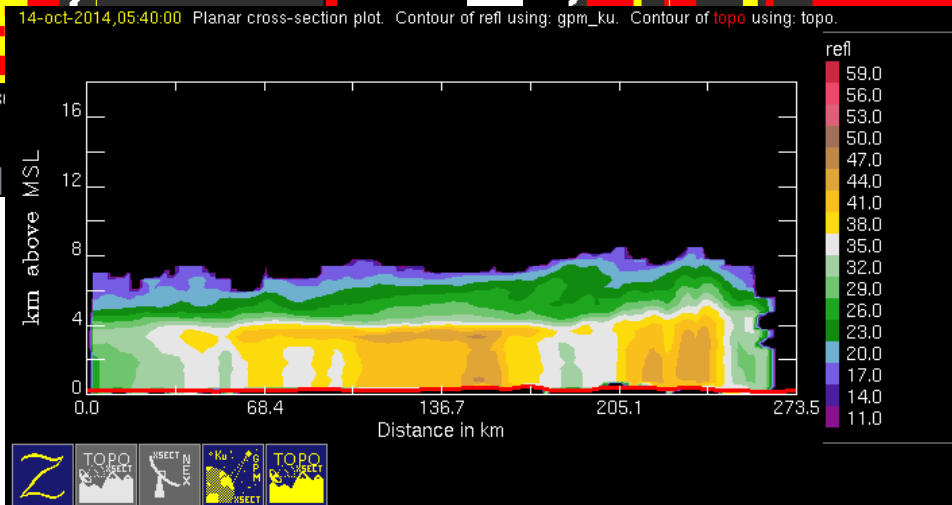
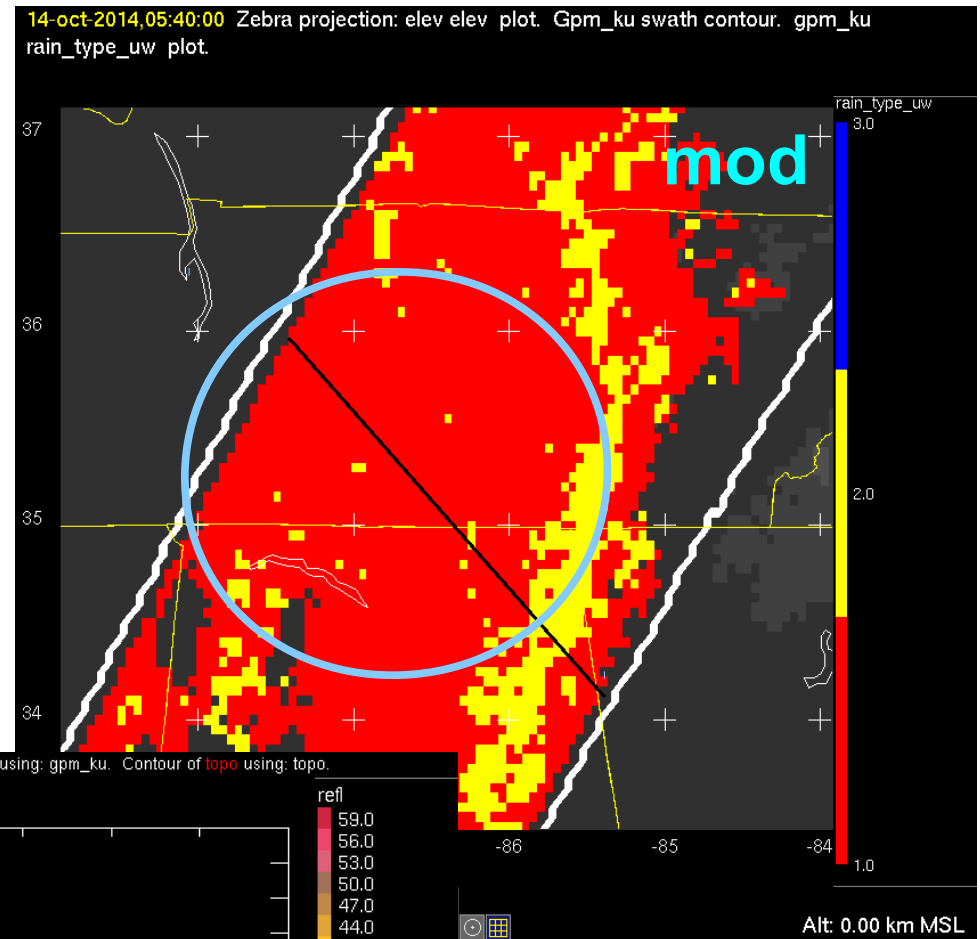
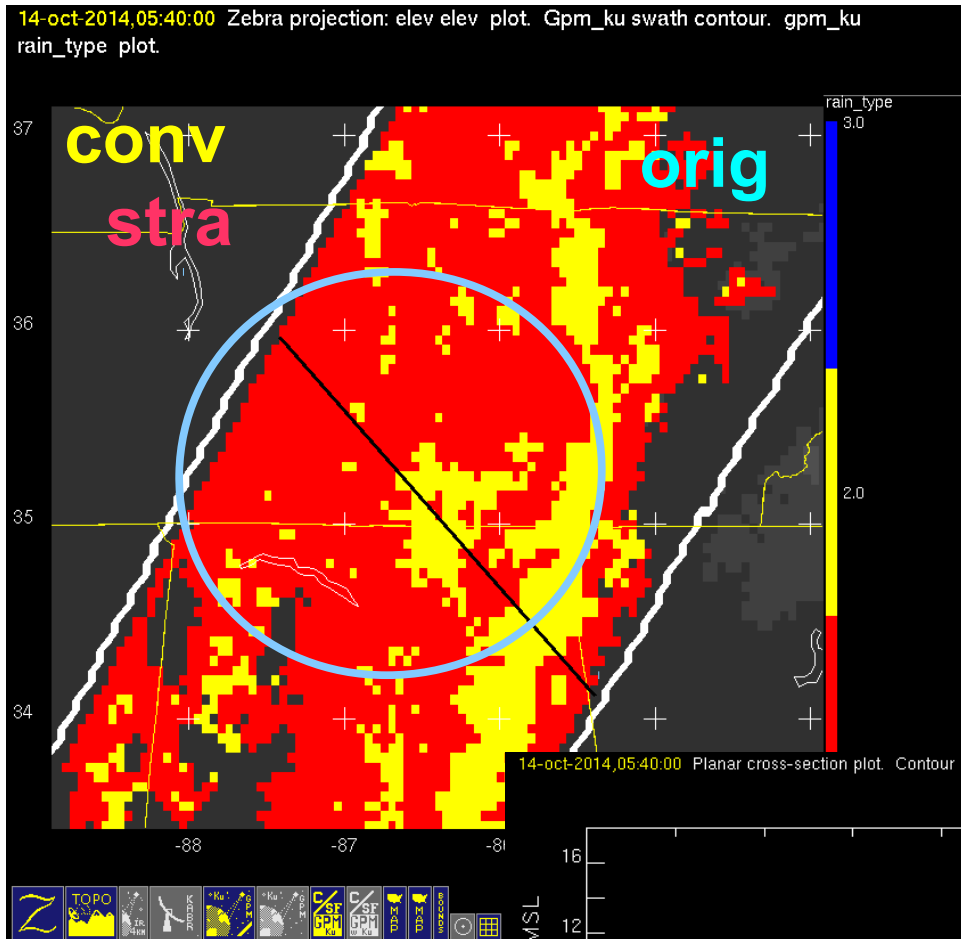
9-oct-2014,16:37:00 Planar cross-section plot. Contour of refl using: gpm_ku. Contour of topo using: topo.



20141011 @ 064348

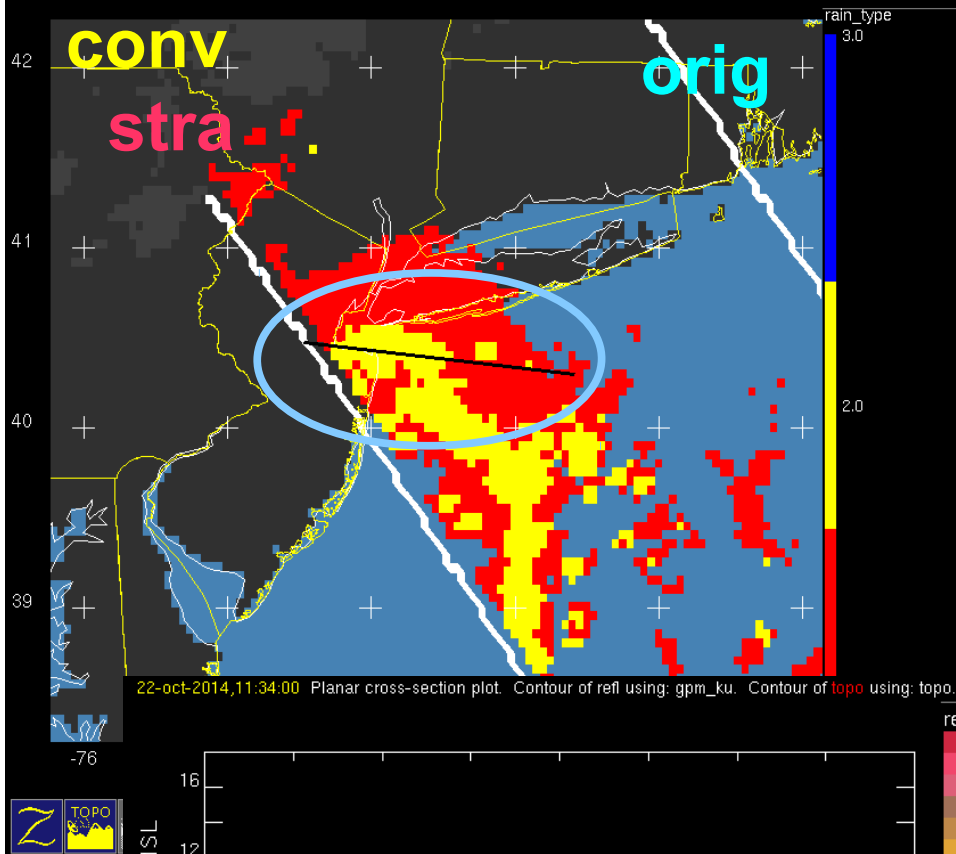


20141014 @ 053954

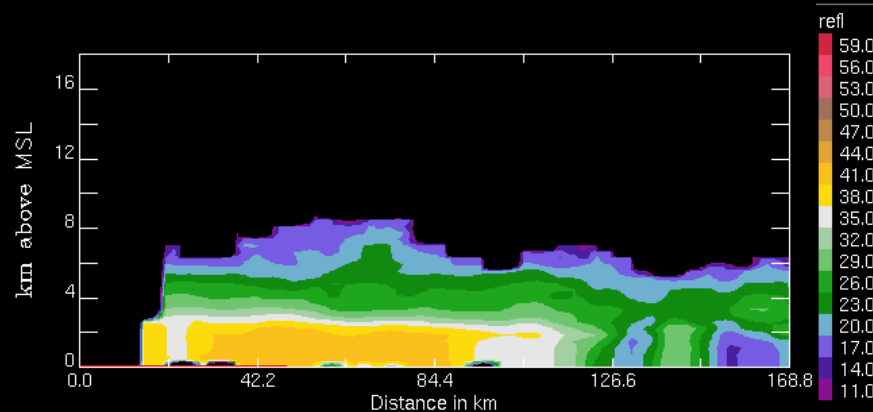


20141022 @ 113356

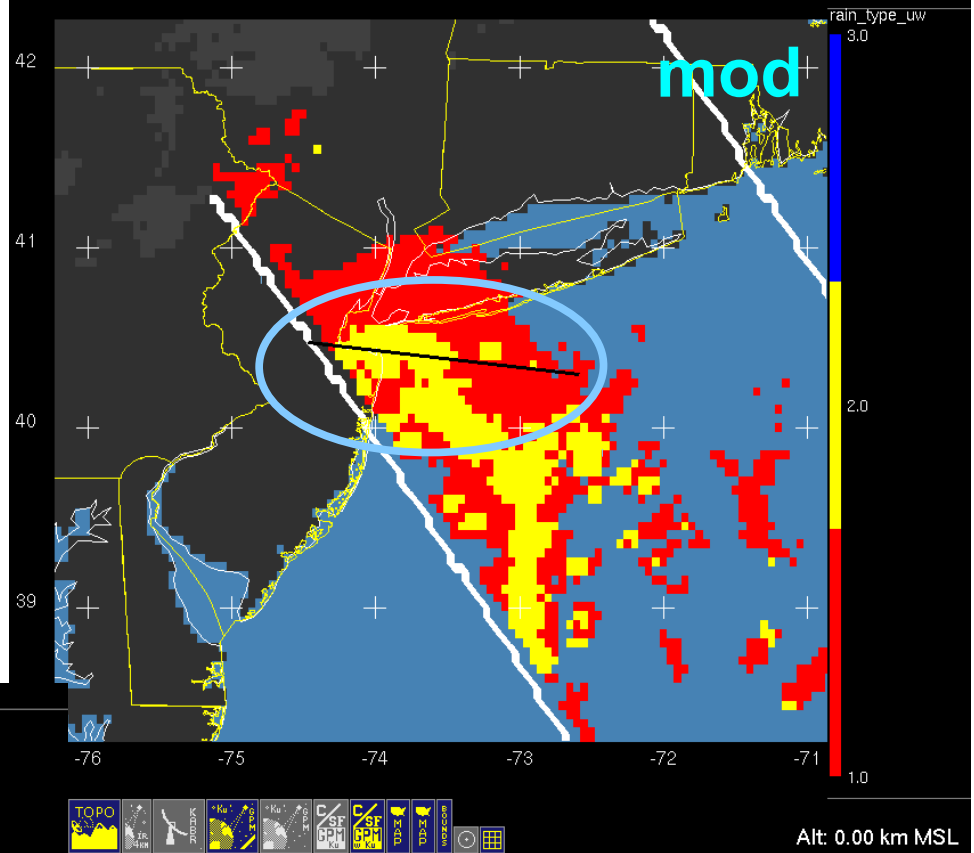
22-oct-2014,11:34:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type plot.



22-oct-2014,11:34:00 Planar cross-section plot. Contour of refl using: gpm_ku. Contour of topo using: topo.



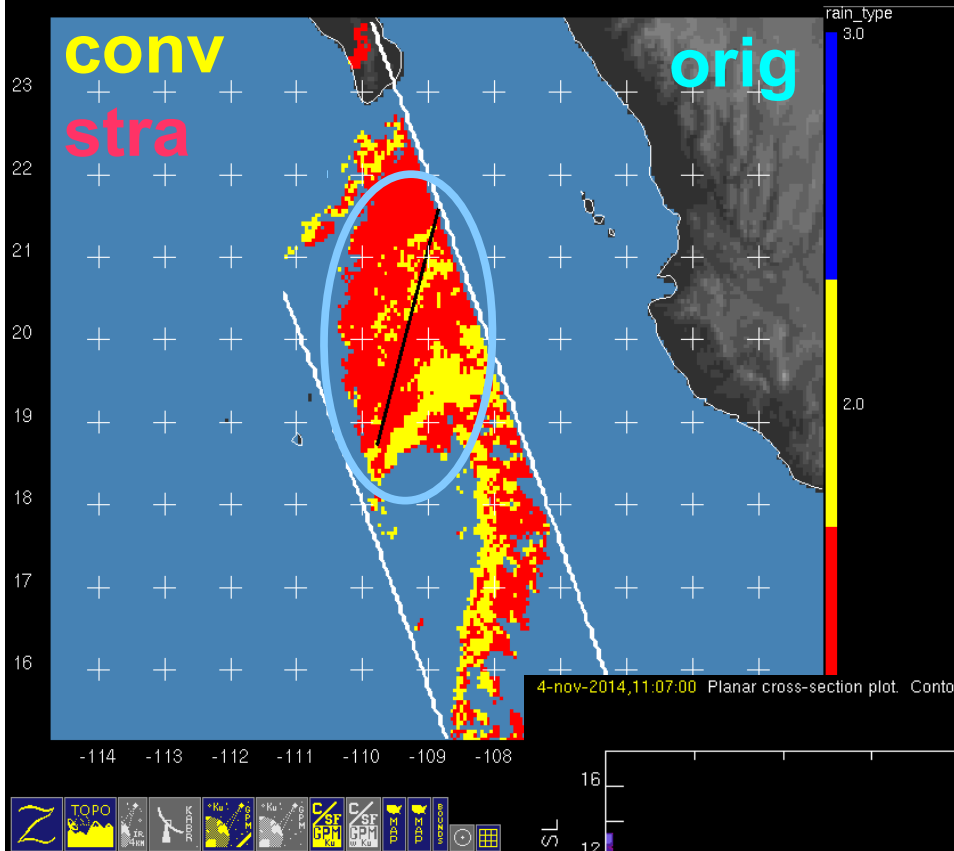
22-oct-2014,11:34:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type_uw plot.



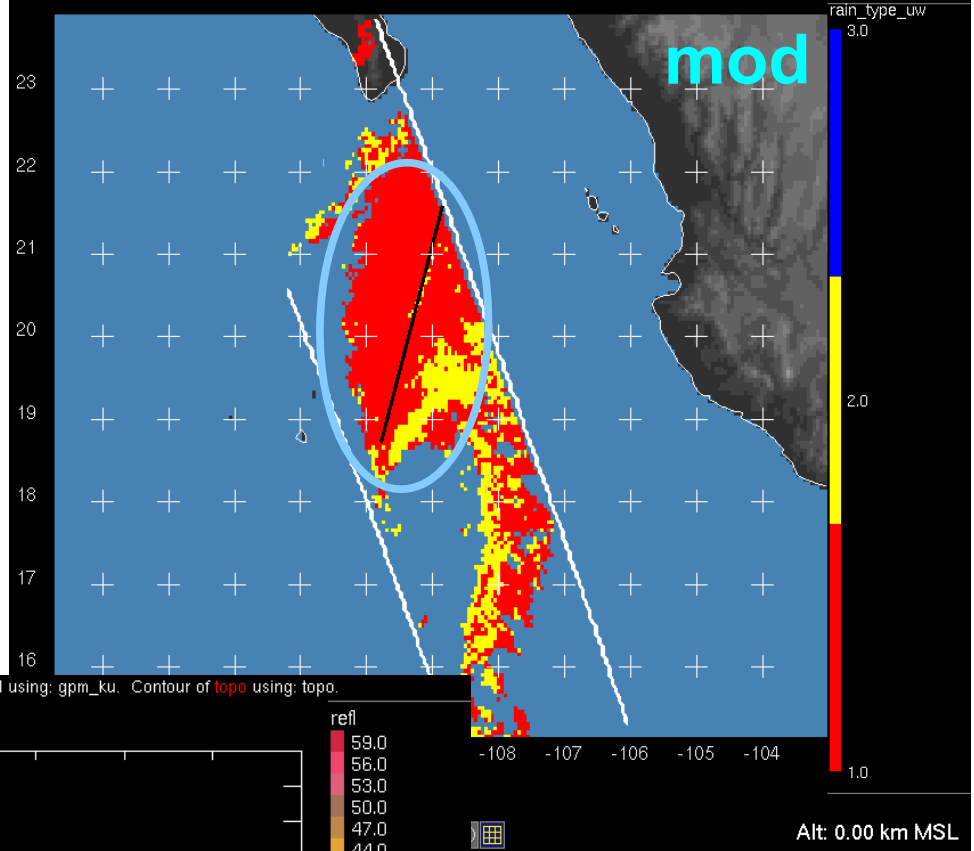
Failed height test

20141104 @ 110624

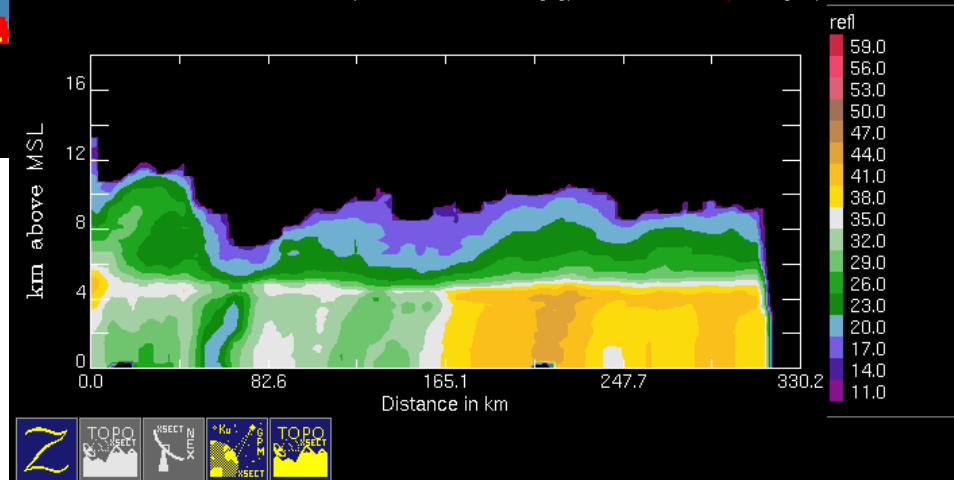
4-nov-2014,11:07:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type plot.



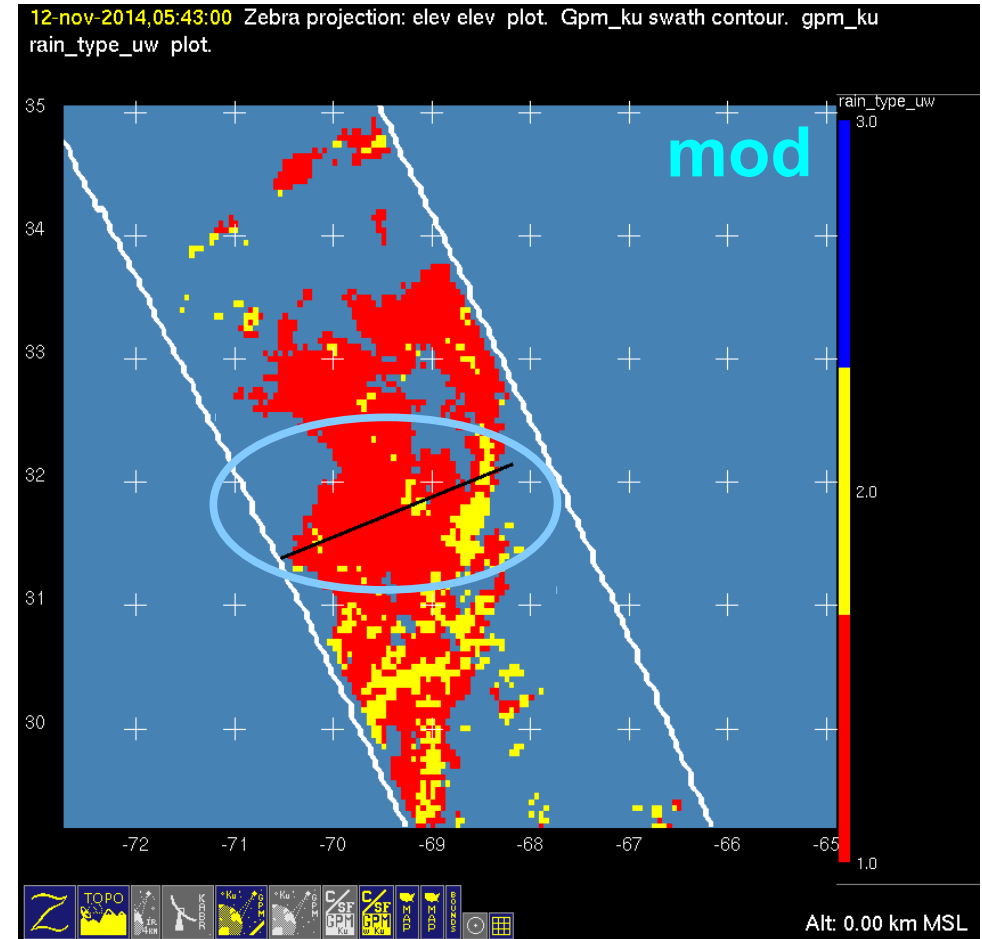
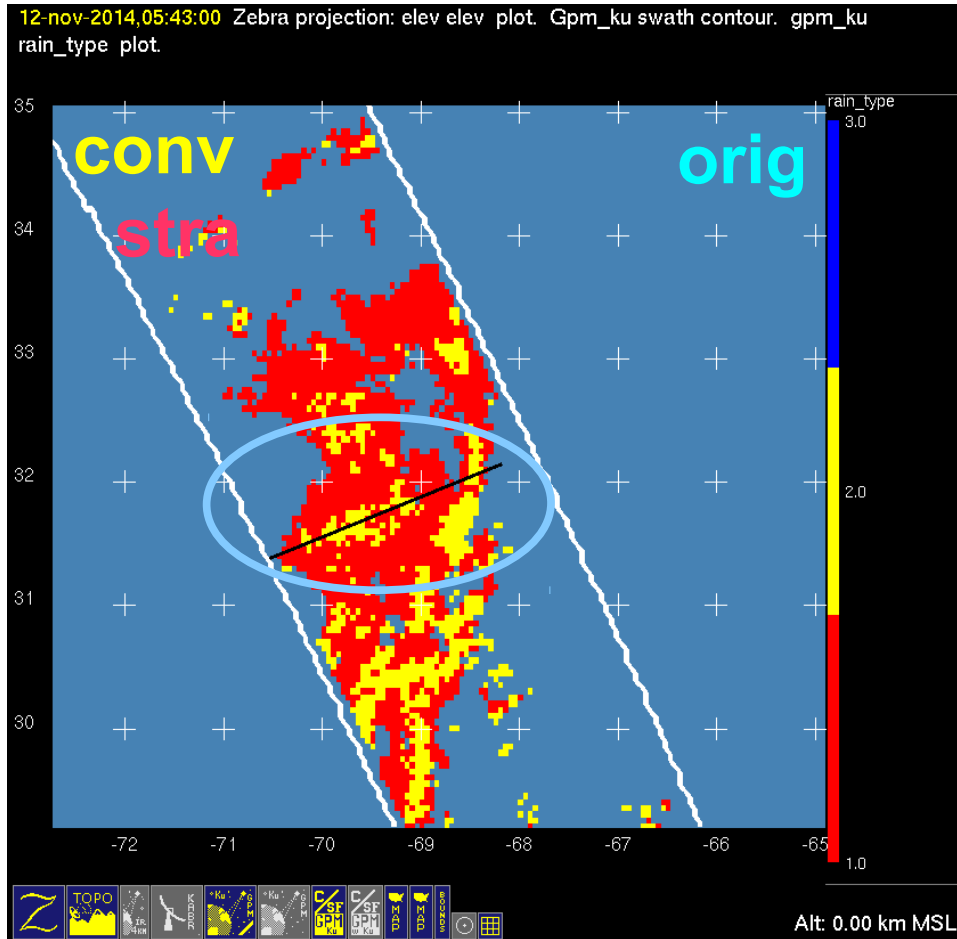
4-nov-2014,11:07:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type_uw plot.



4-nov-2014,11:07:00 Planar cross-section plot. Contour of refl using: gpm_ku. Contour of topo using: topo.

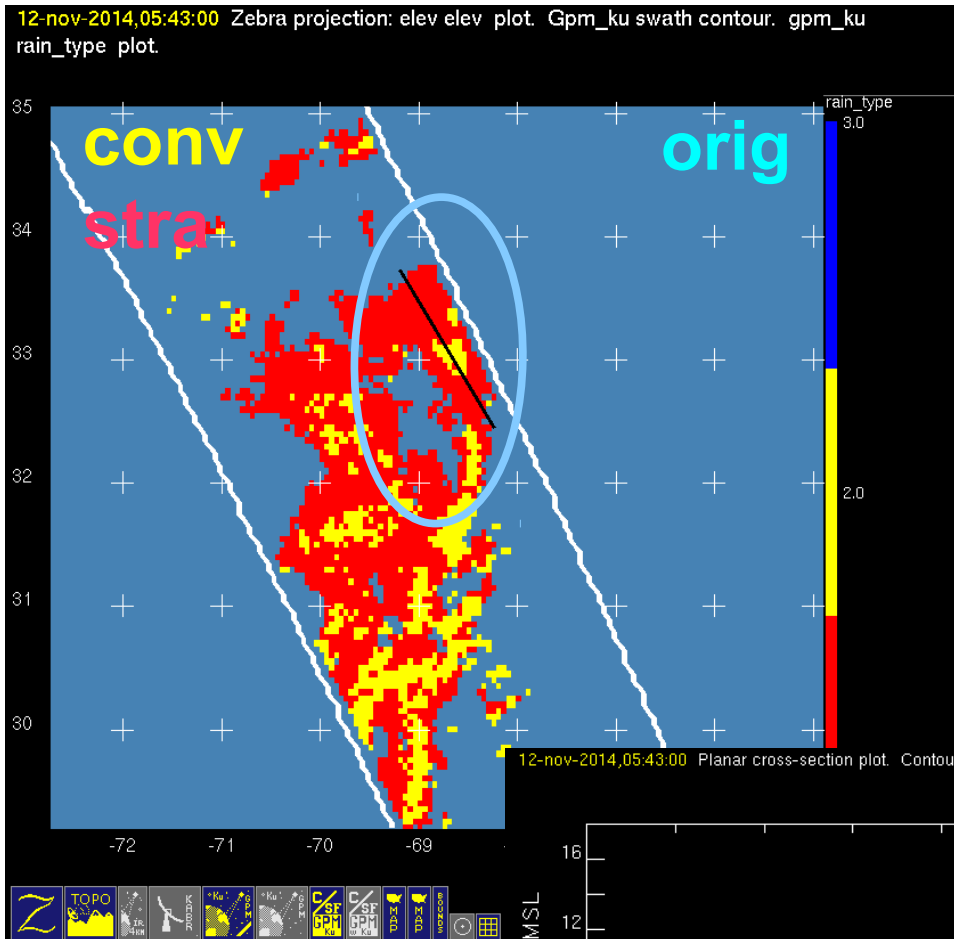


20141112 @ 054200 #1/2

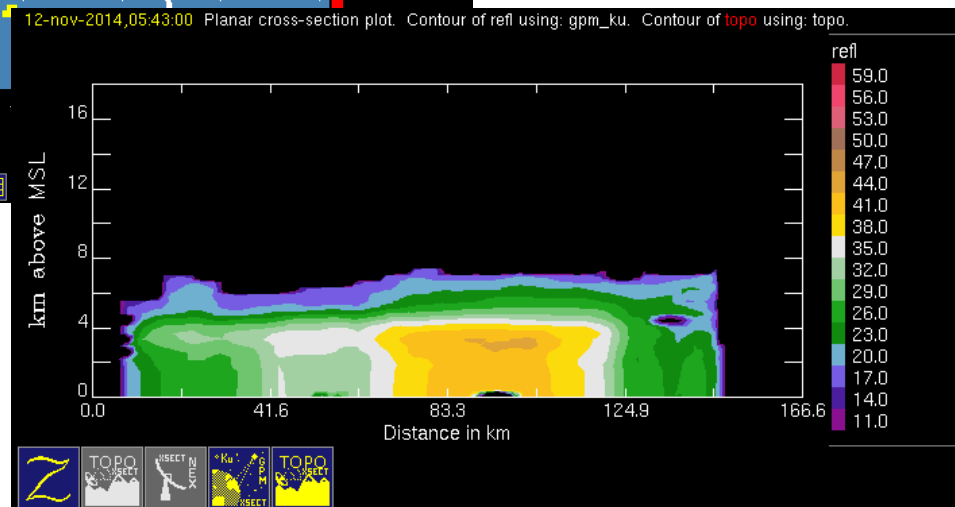


*Redo xsect and insert
here*

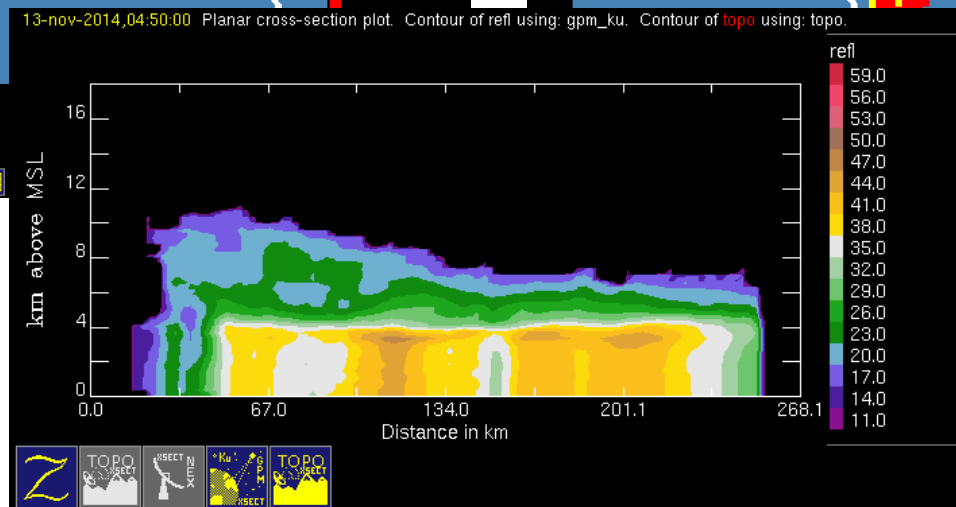
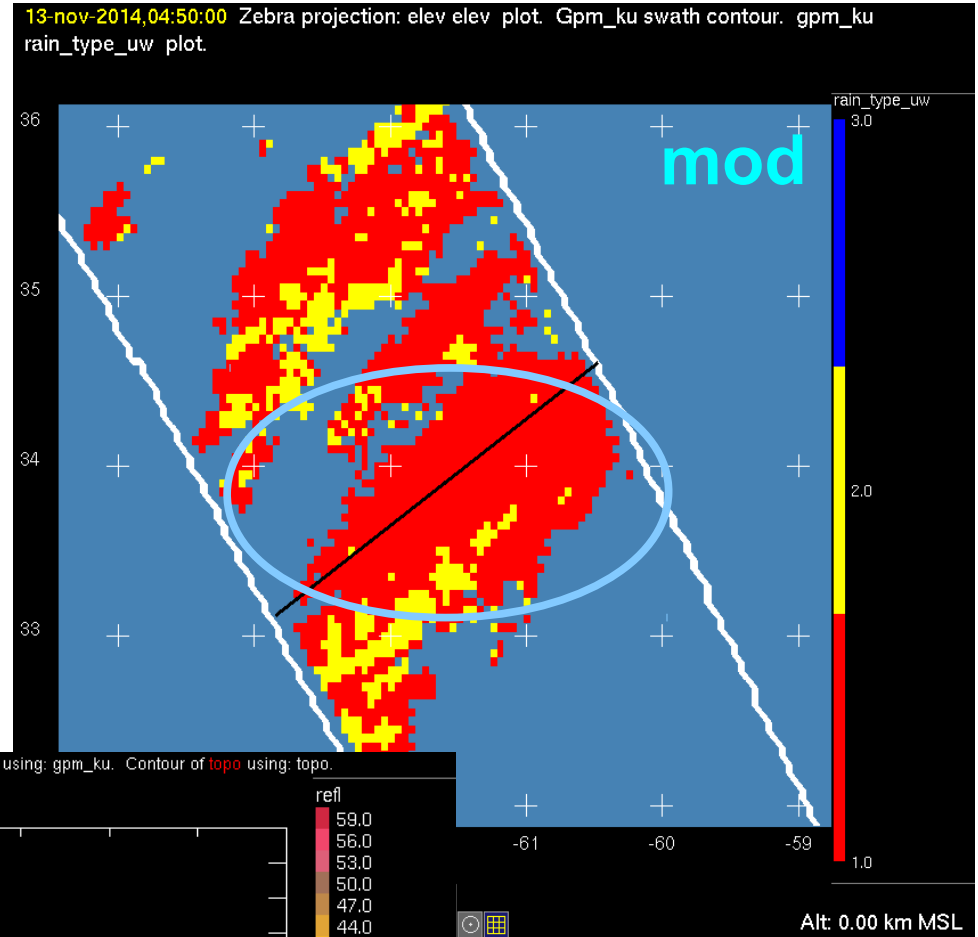
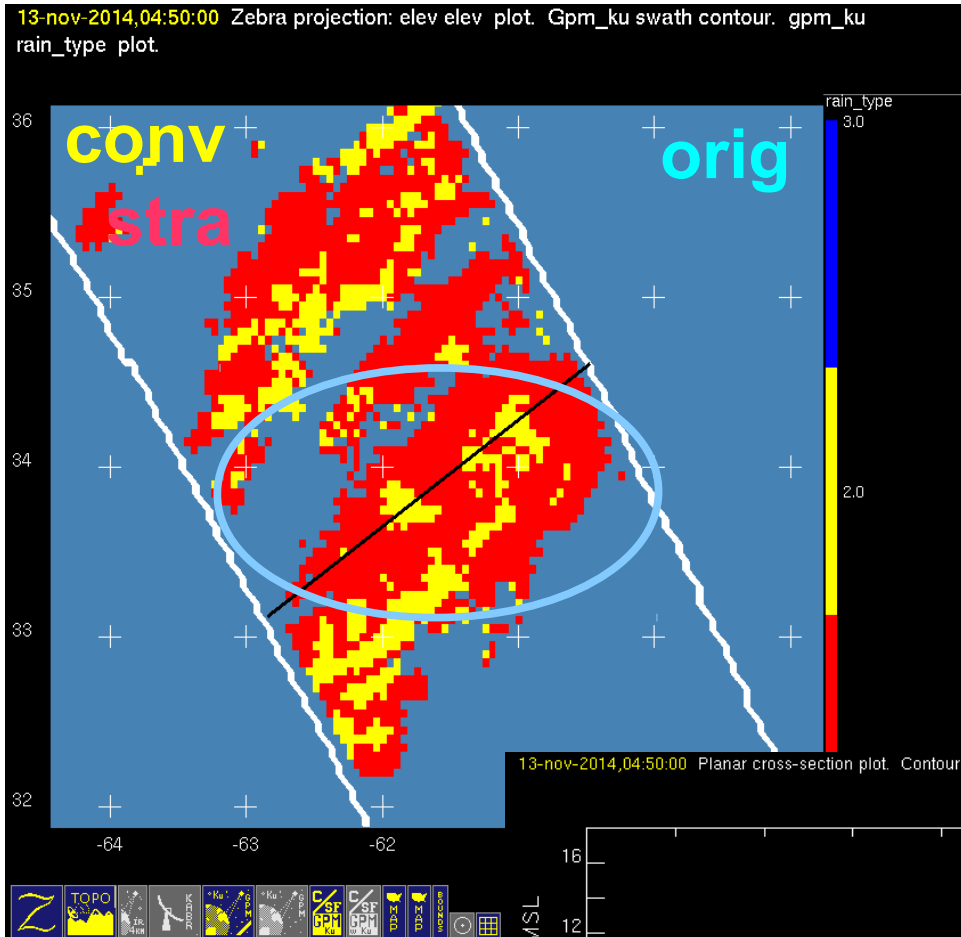
20141112 @ 054200 #2/2



*Redo rain_type_uw
plot and insert here*

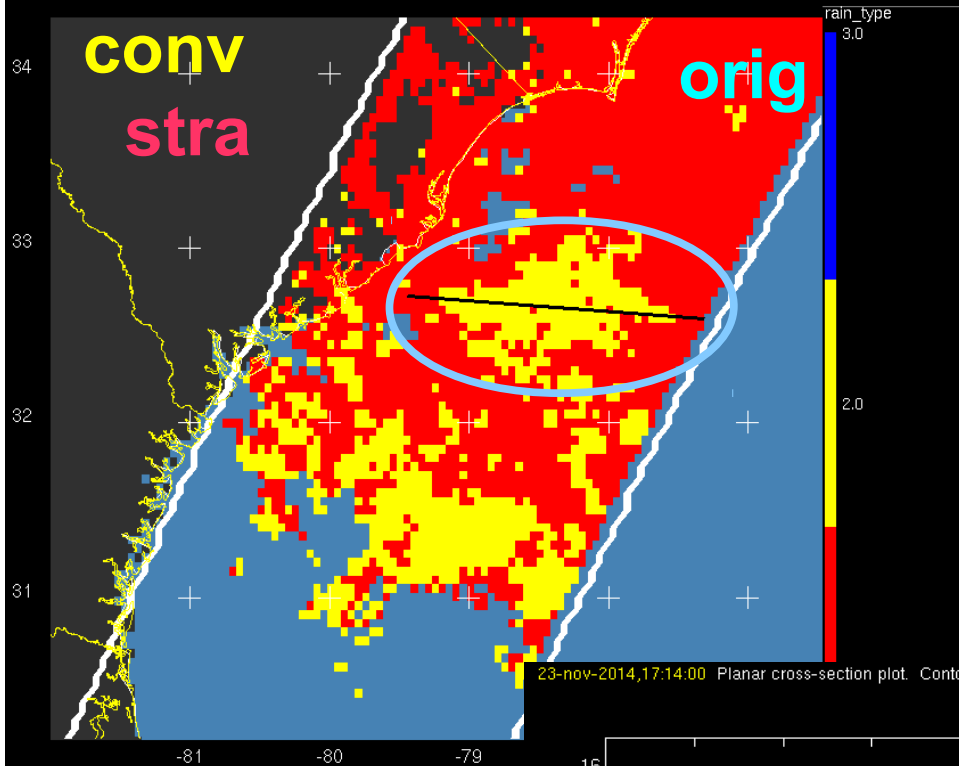


20141113 @ 044926

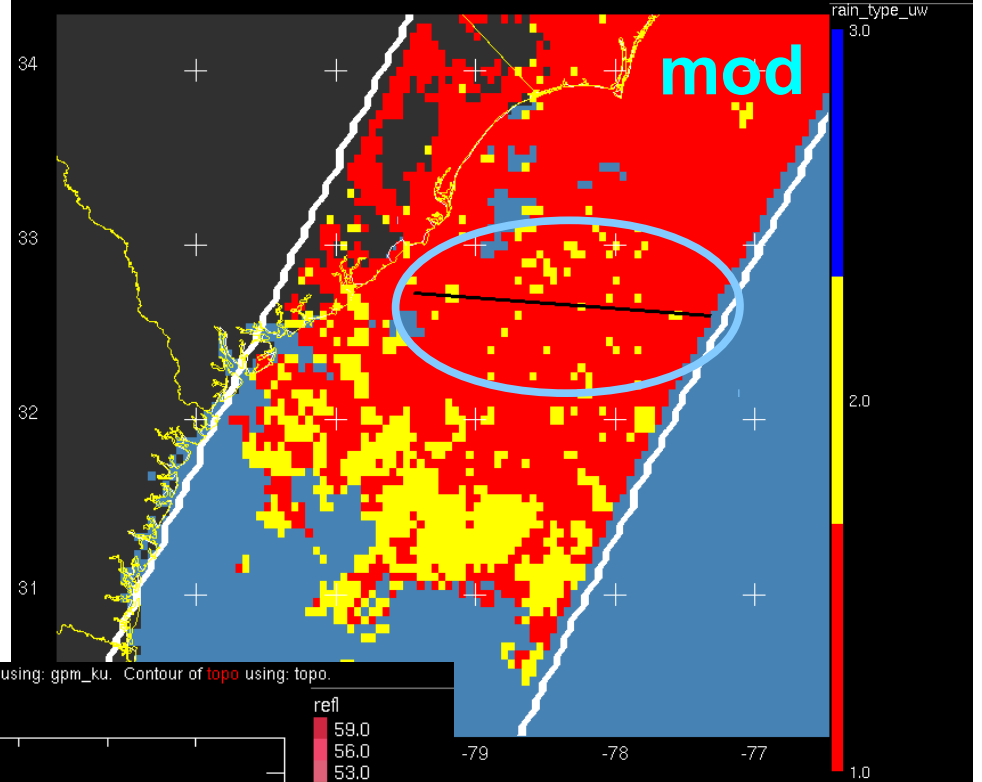


20141123 @ 171347

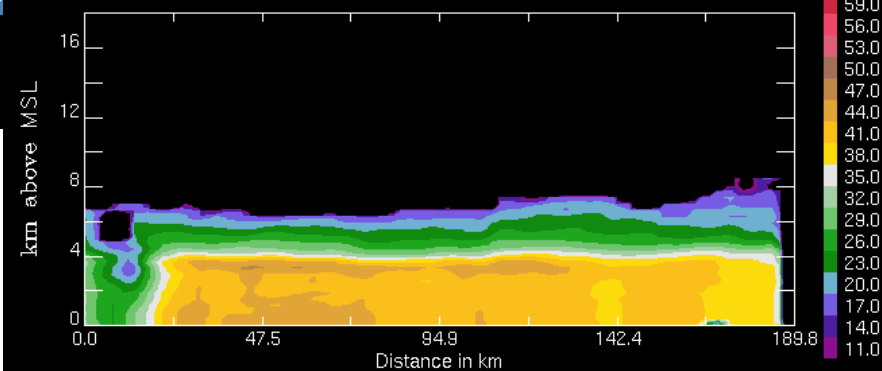
23-nov-2014,17:14:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type plot.



23-nov-2014,17:14:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type_uw plot.



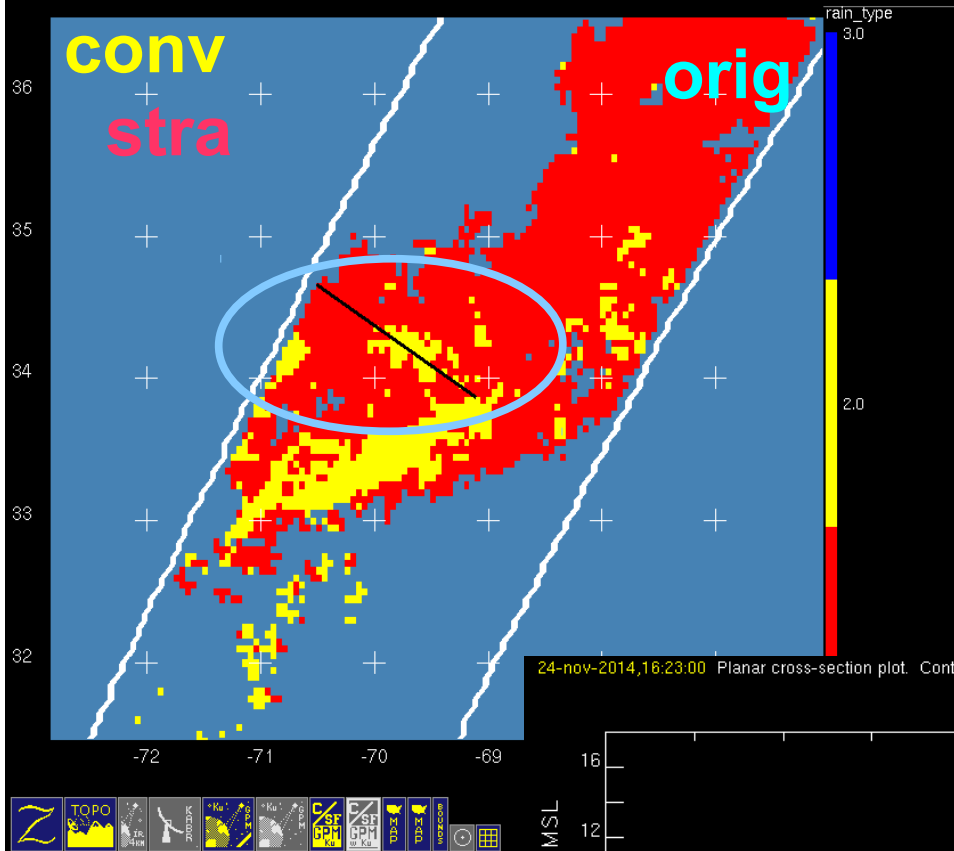
23-nov-2014,17:14:00 Planar cross-section plot. Contour of refl using: gpm_ku. Contour of topo using: topo.



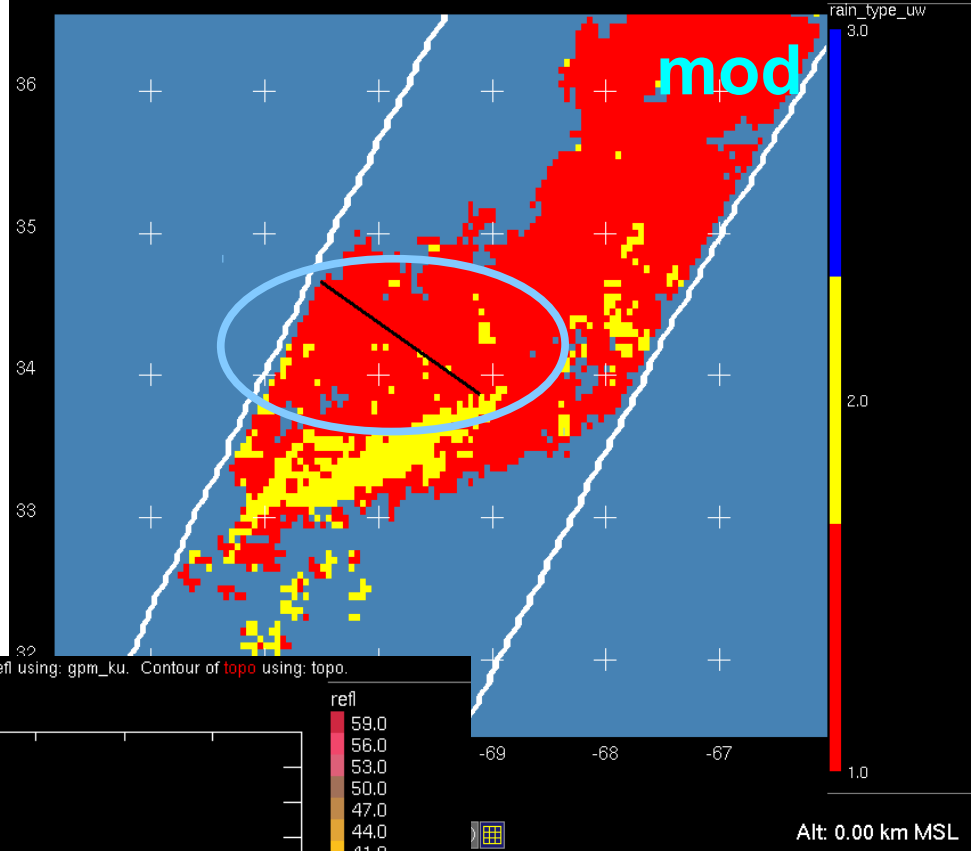
Alt: 0.00 km MSL

20141124 @ 162249

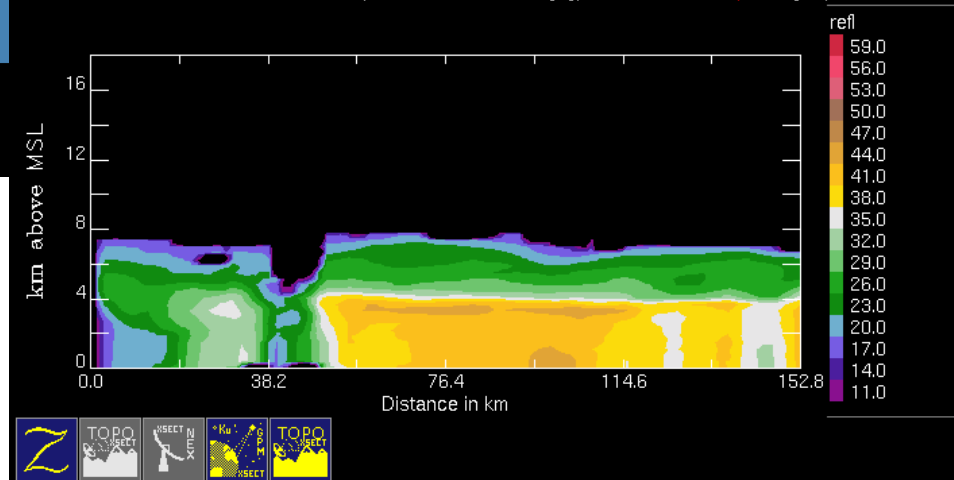
24-nov-2014,16:23:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type plot.



24-nov-2014,16:23:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type_uw plot.

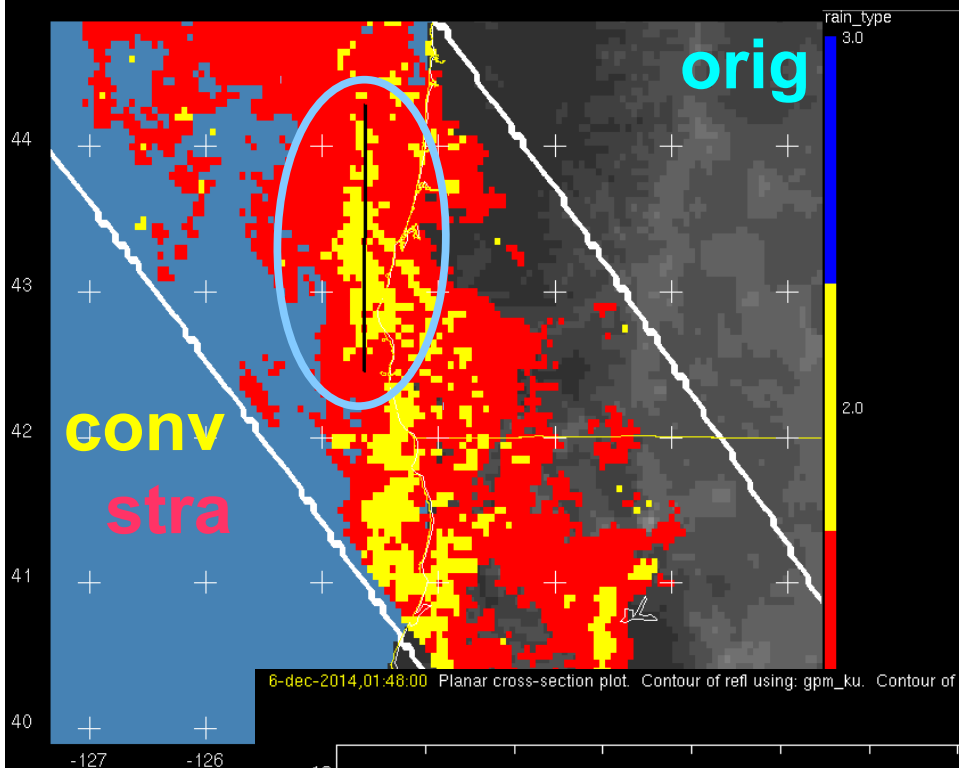


24-nov-2014,16:23:00 Planar cross-section plot. Contour of refl using: gpm_ku. Contour of topo using: topo.

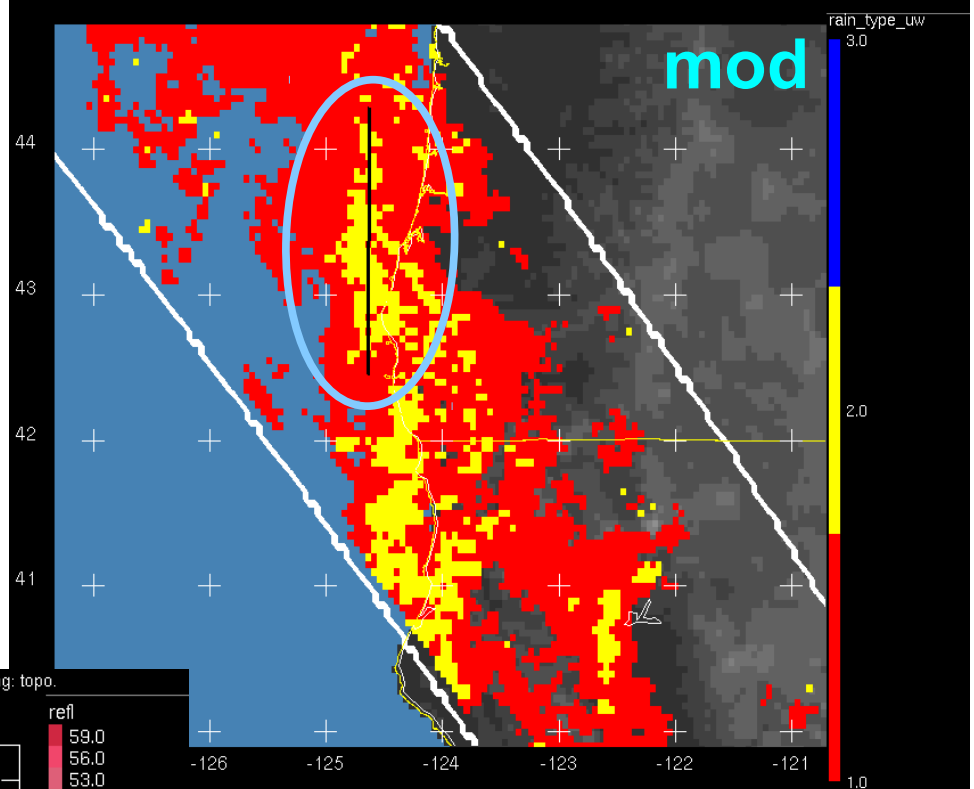


20141206 @ 014736

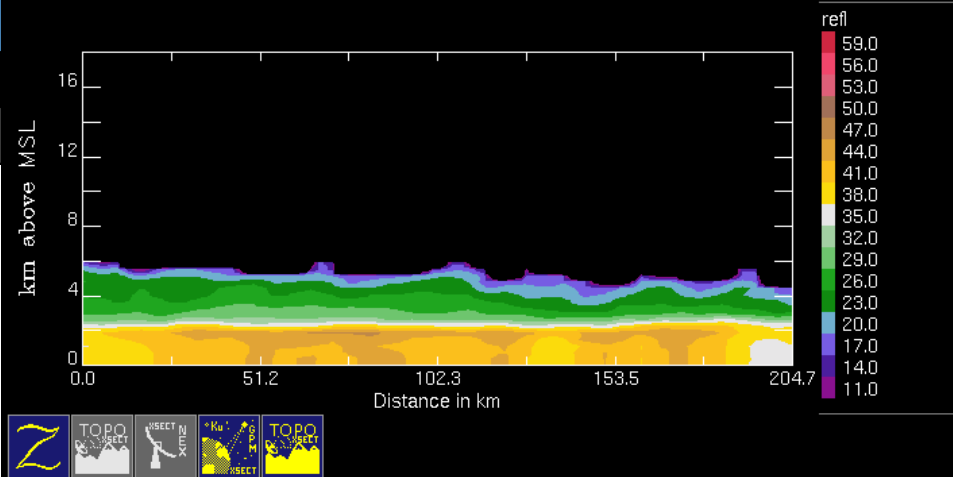
6-dec-2014,01:48:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type plot.



6-dec-2014,01:48:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type_uw plot.

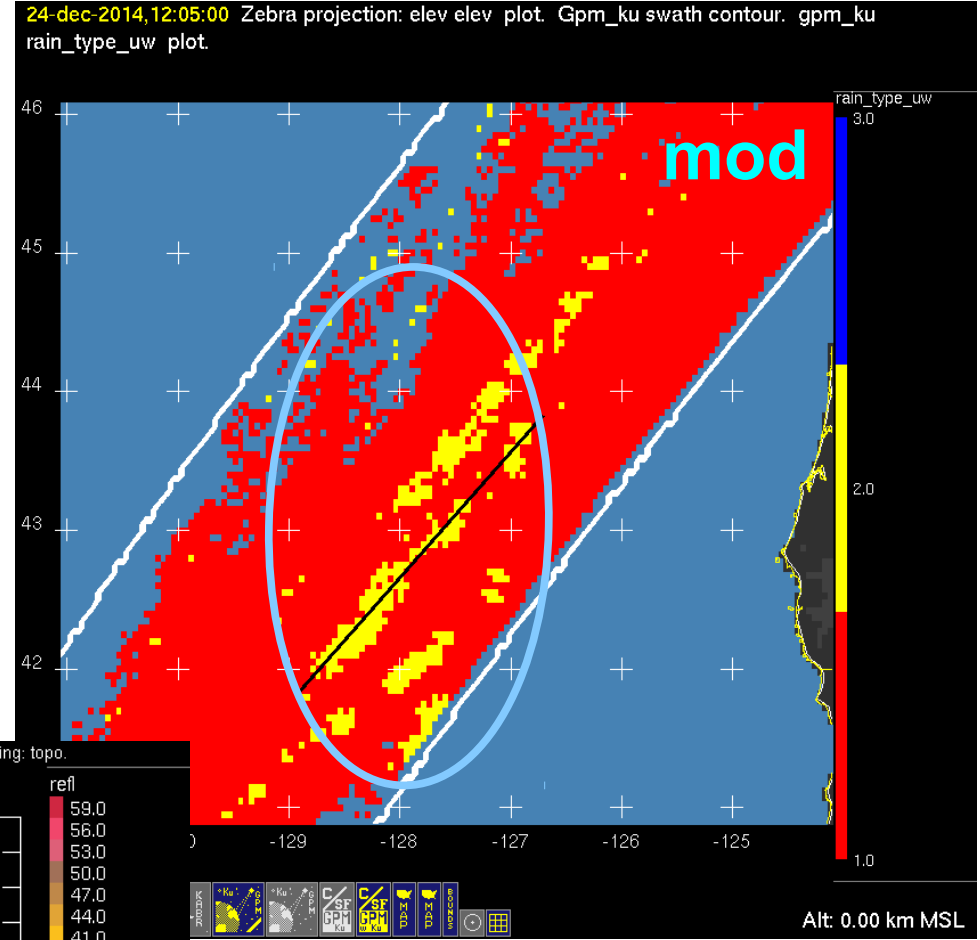
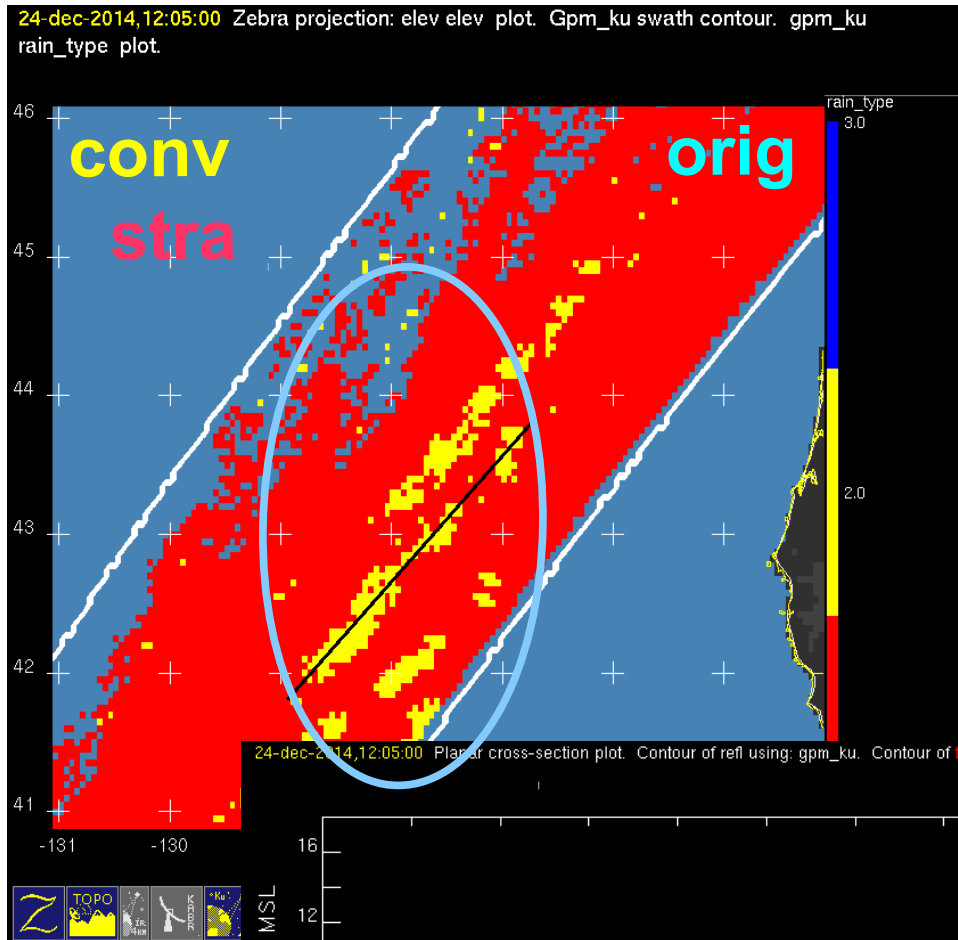


6-dec-2014,01:48:00 Planar cross-section plot. Contour of refl using: gpm_ku. Contour of topo using: topo.



Failed height test

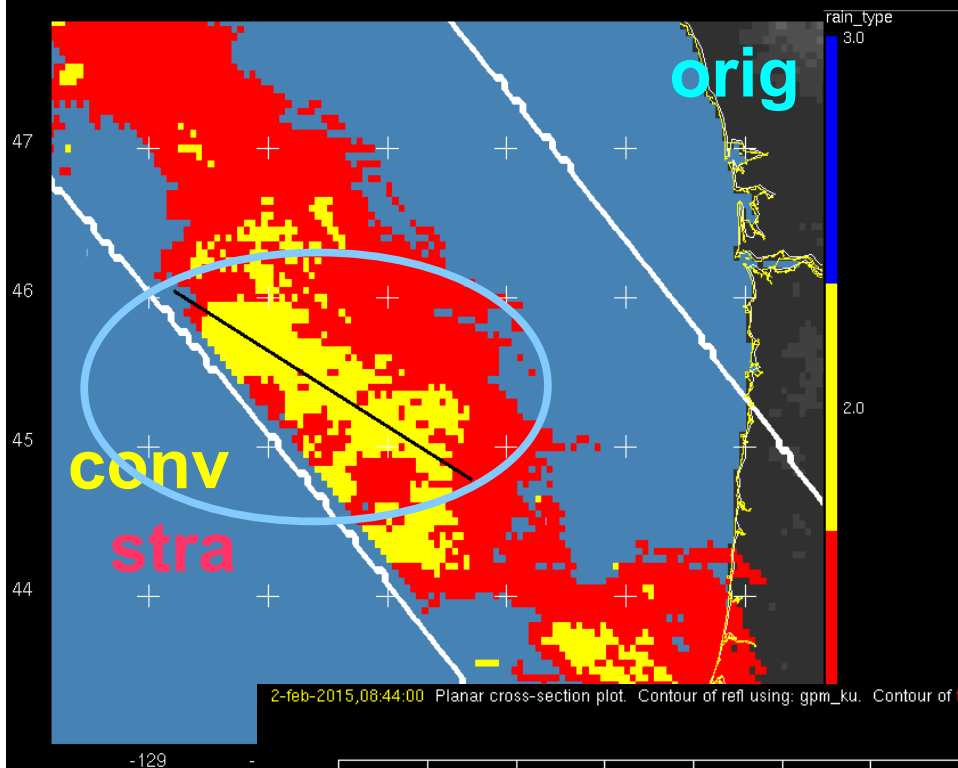
20141224 @ 120452



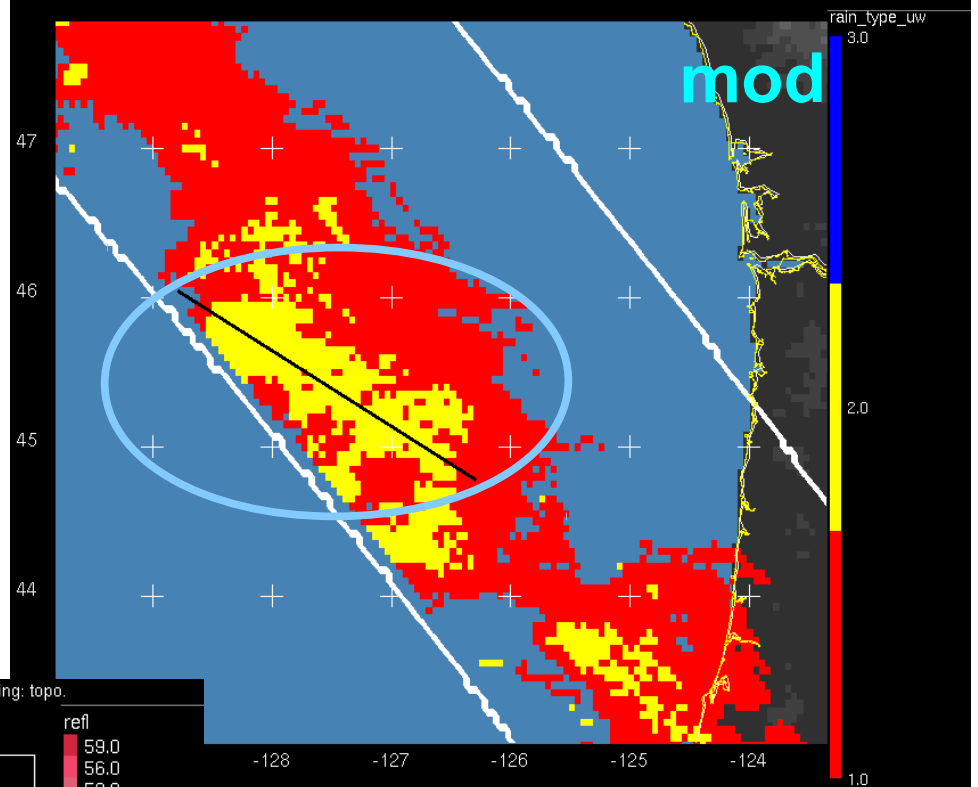
Failed height test

20150202 @ 084127

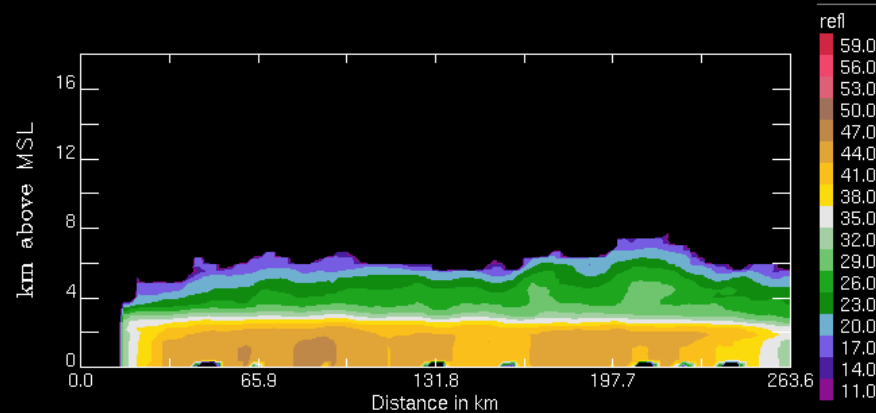
2-feb-2015,08:44:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type plot.



2-feb-2015,08:44:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type_uw plot.



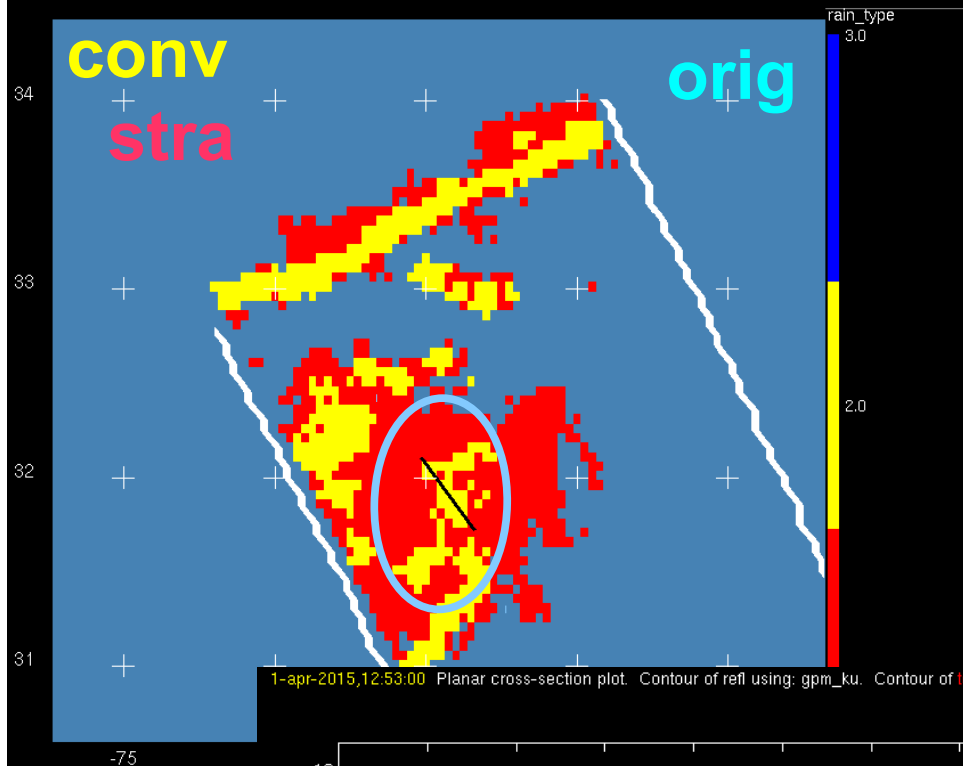
2-feb-2015,08:44:00 Planar cross-section plot. Contour of refl using: gpm_ku. Contour of topo using: topo.



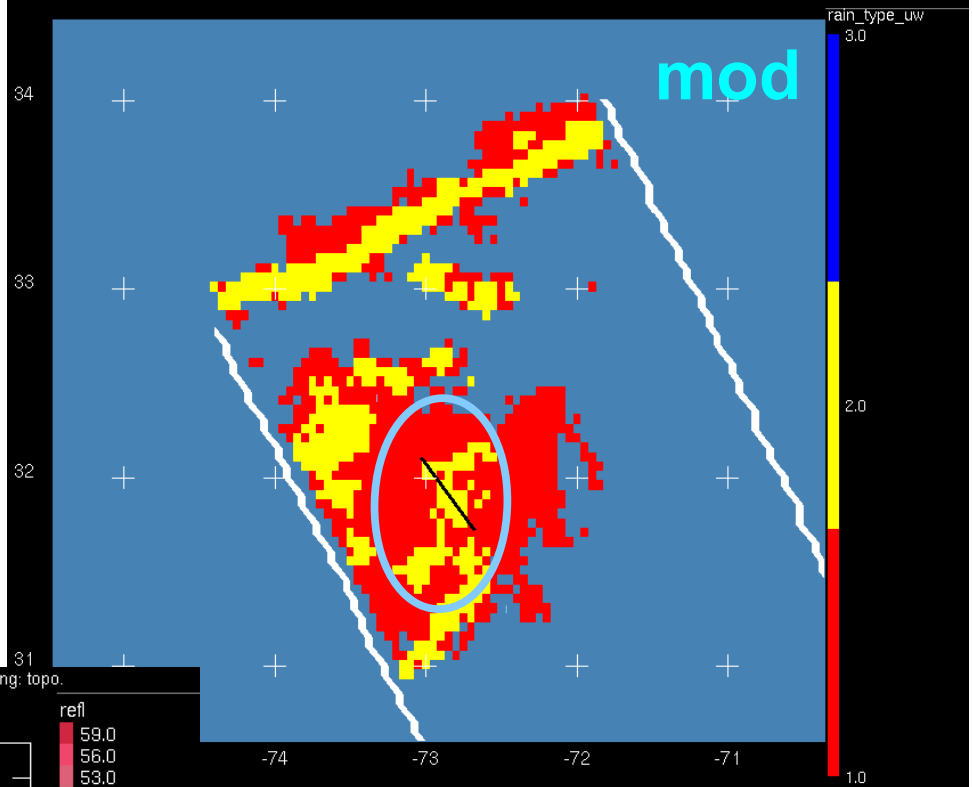
Failed height test

20150401 @ 125219

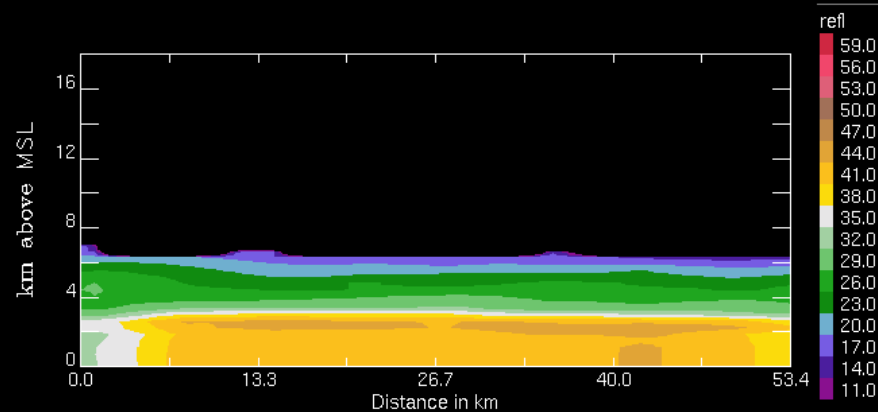
1-apr-2015,12:53:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type plot.



1-apr-2015,12:53:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type_uw plot.



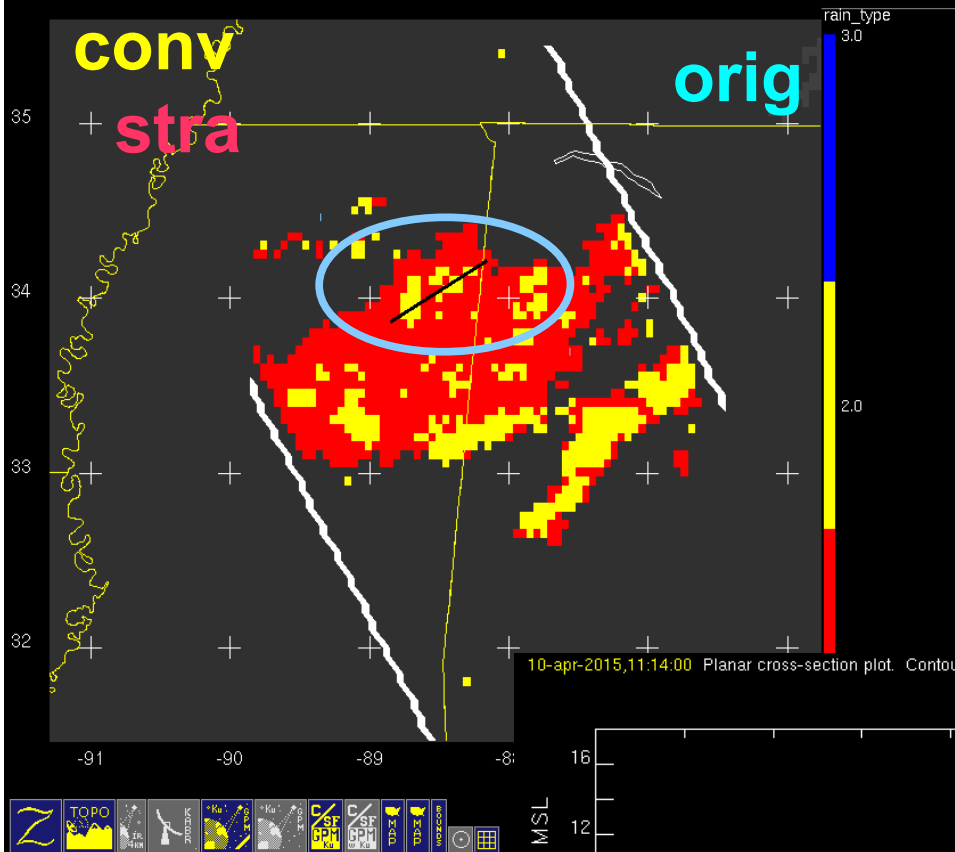
1-apr-2015,12:53:00 Planar cross-section plot. Contour of refl using: gpm_ku. Contour of topo using: topo.



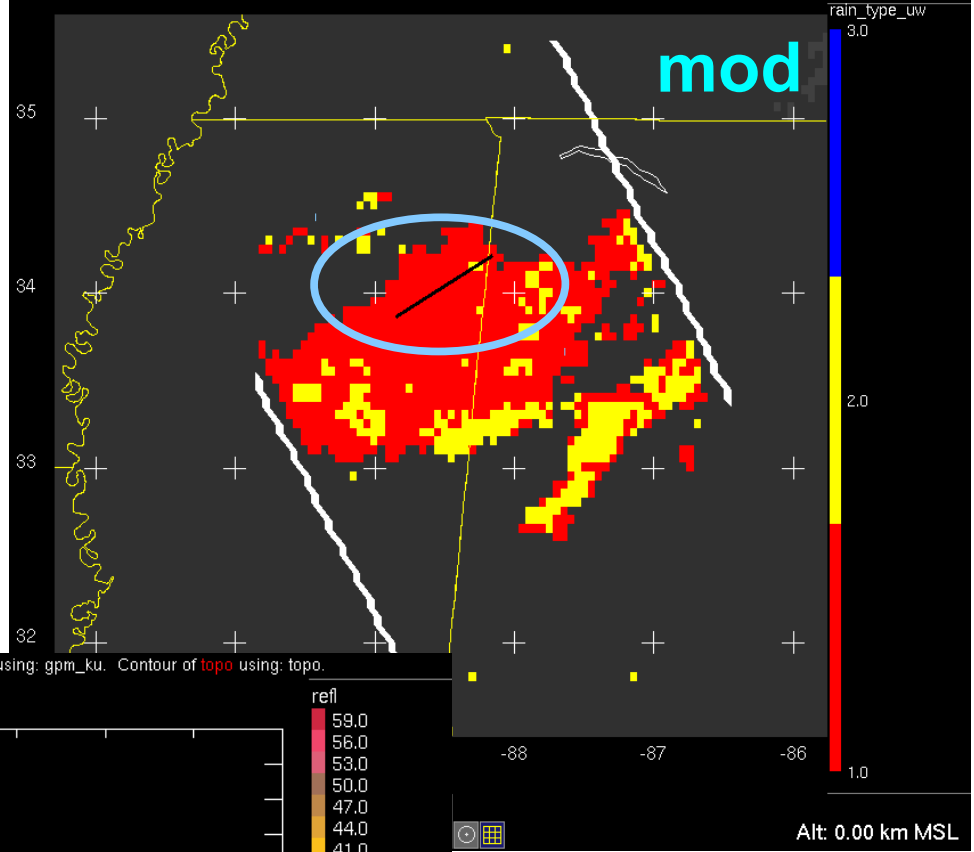
Failed height test?

20150410 @ 111317

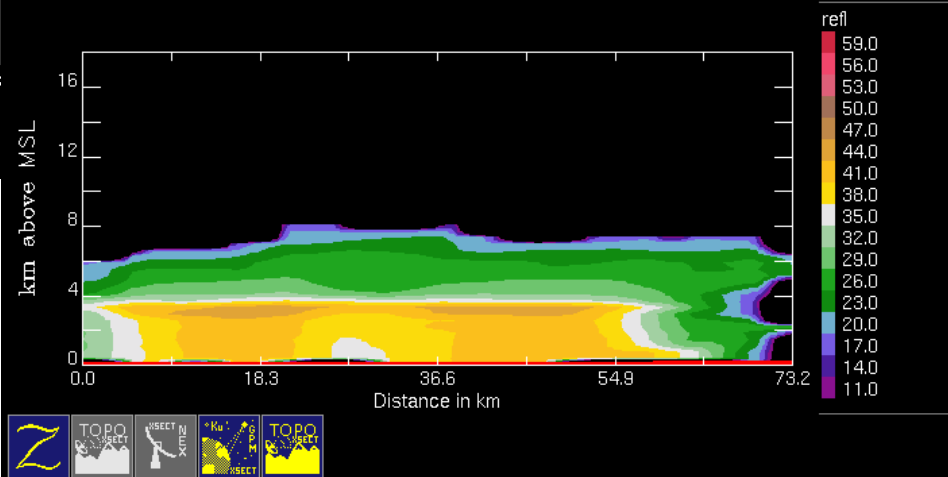
10-apr-2015,11:14:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type plot.



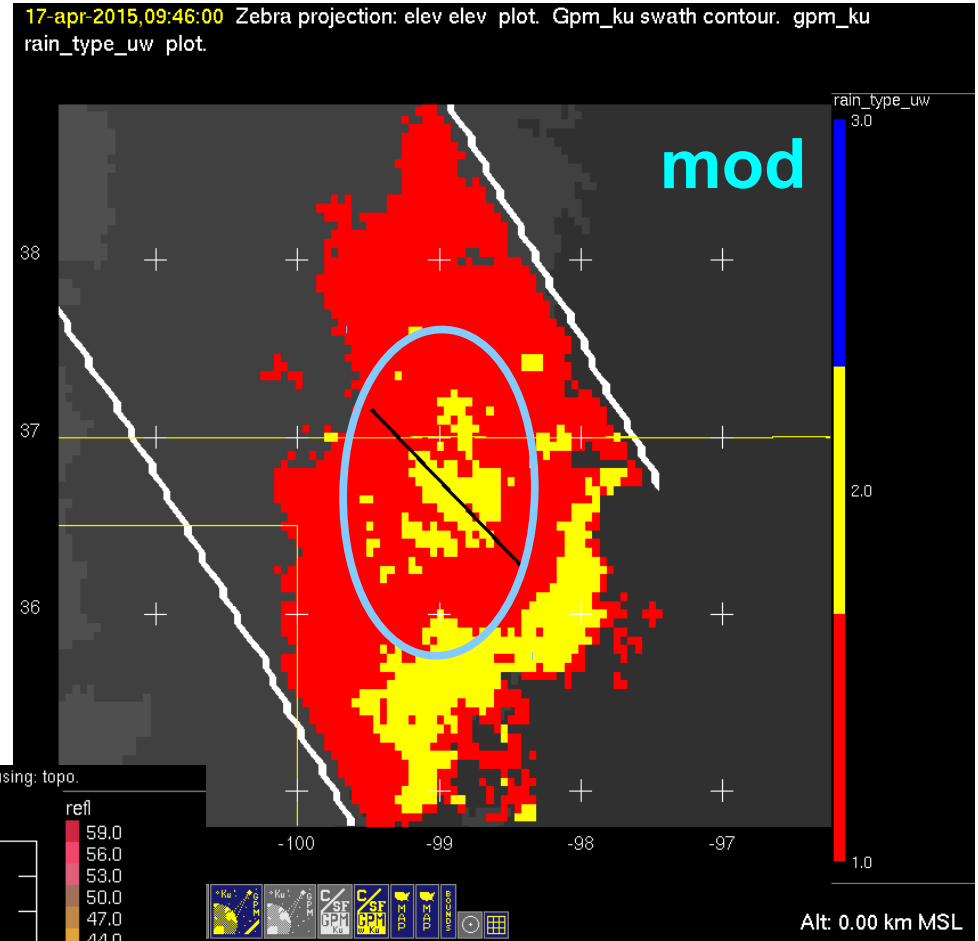
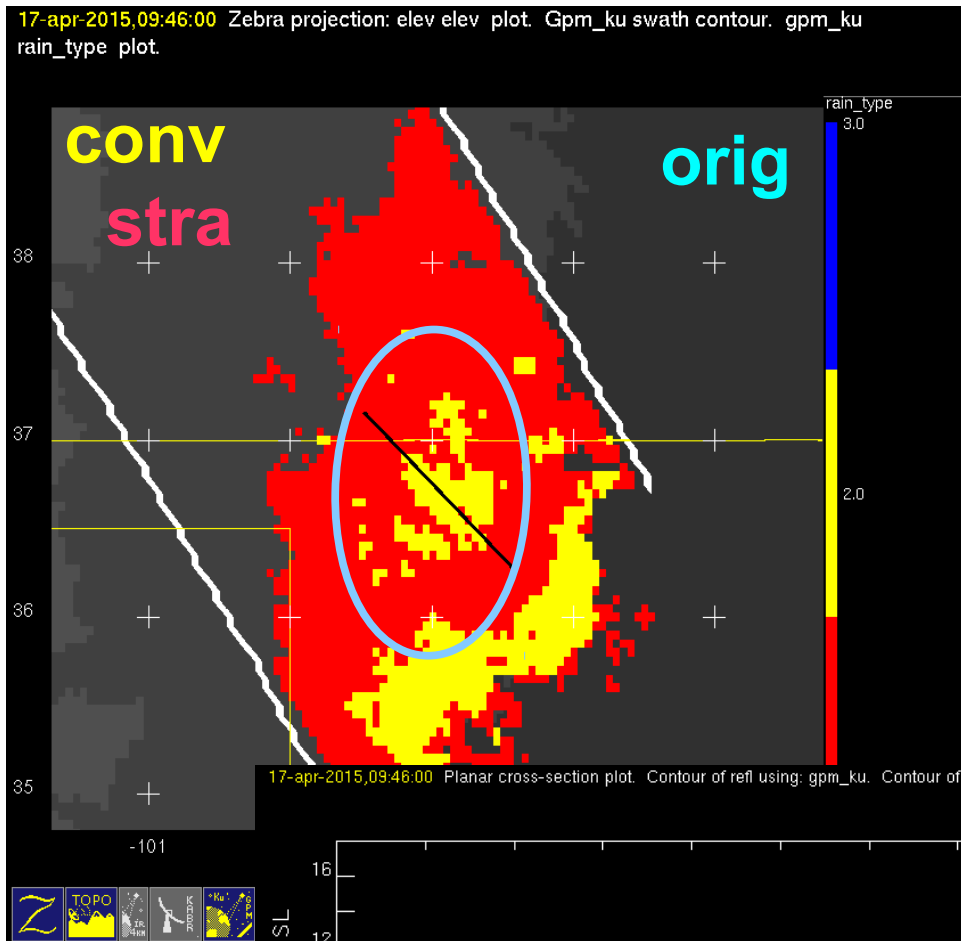
10-apr-2015,11:14:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type_uw plot.



10-apr-2015,11:14:00 Planar cross-section plot. Contour of refl using: gpm_ku. Contour of topo using: topo.

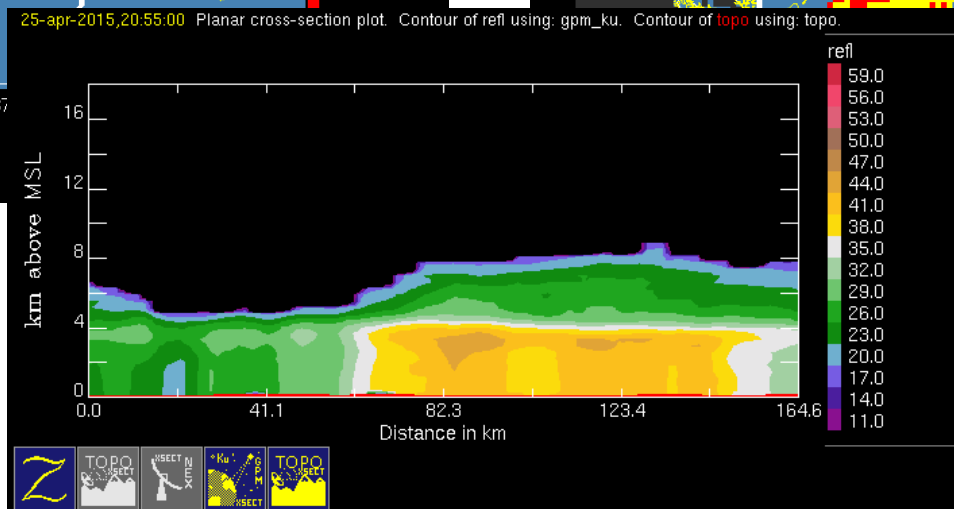
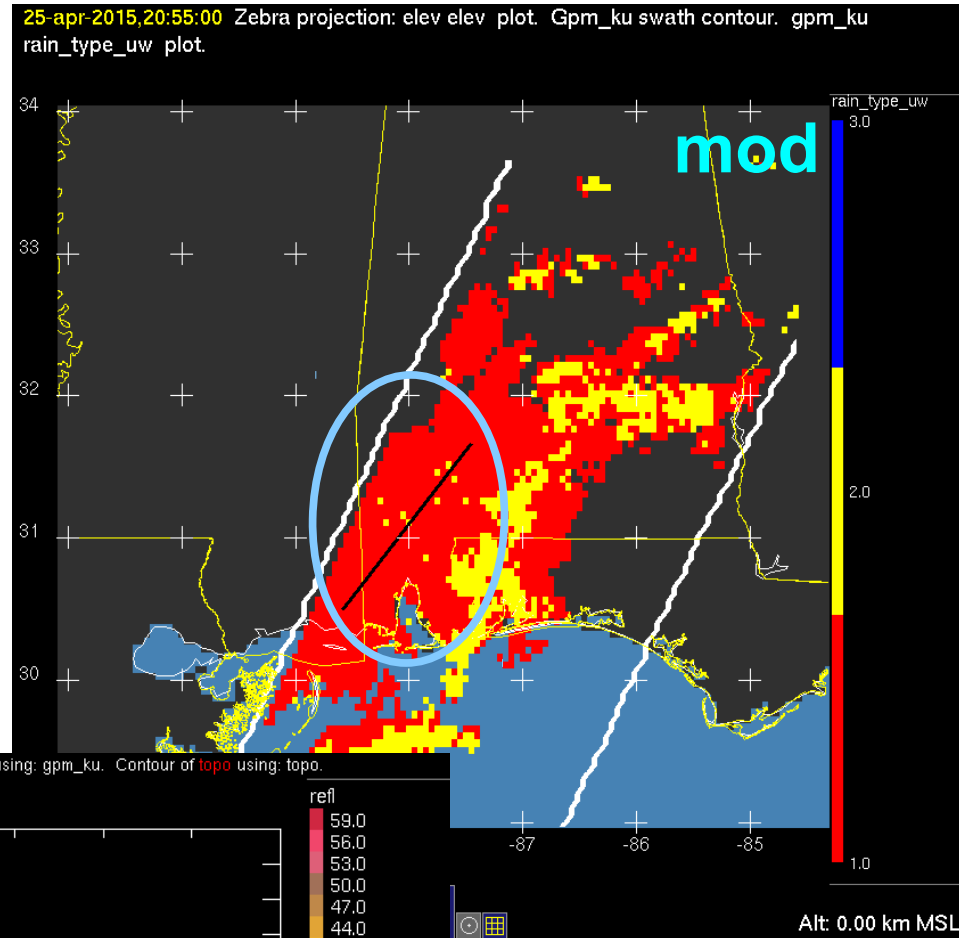
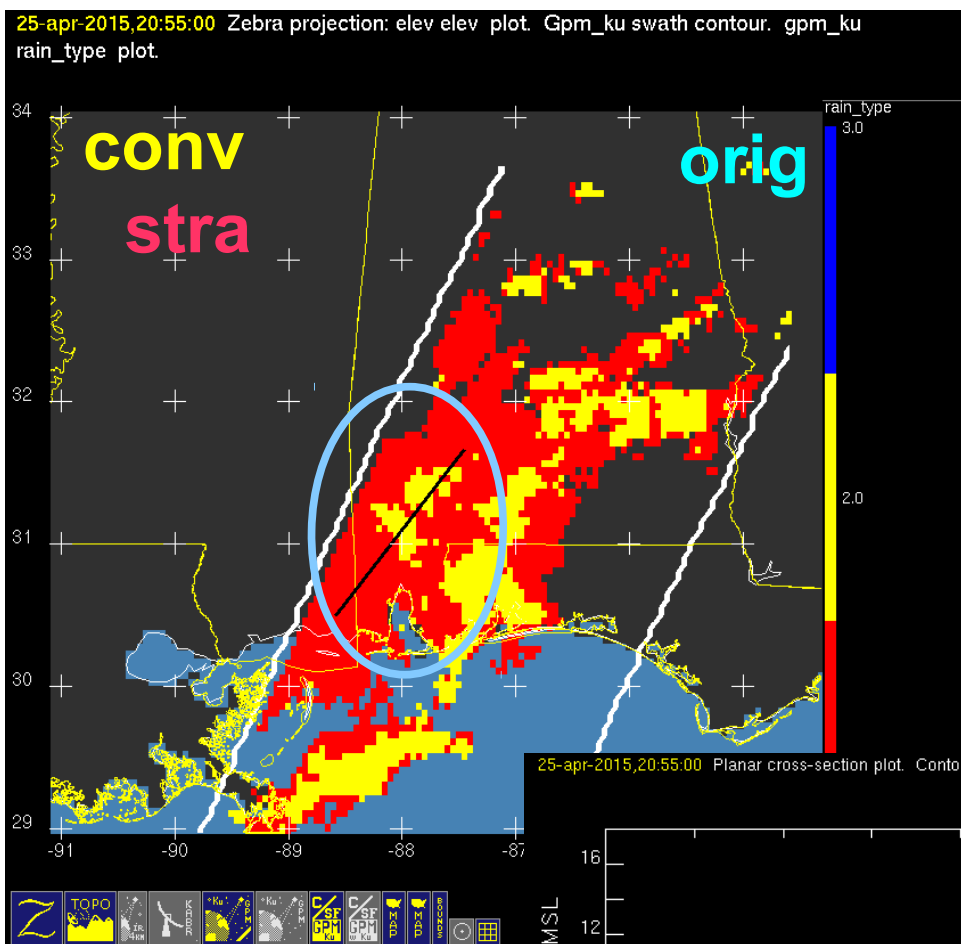


20150417 @ 094529

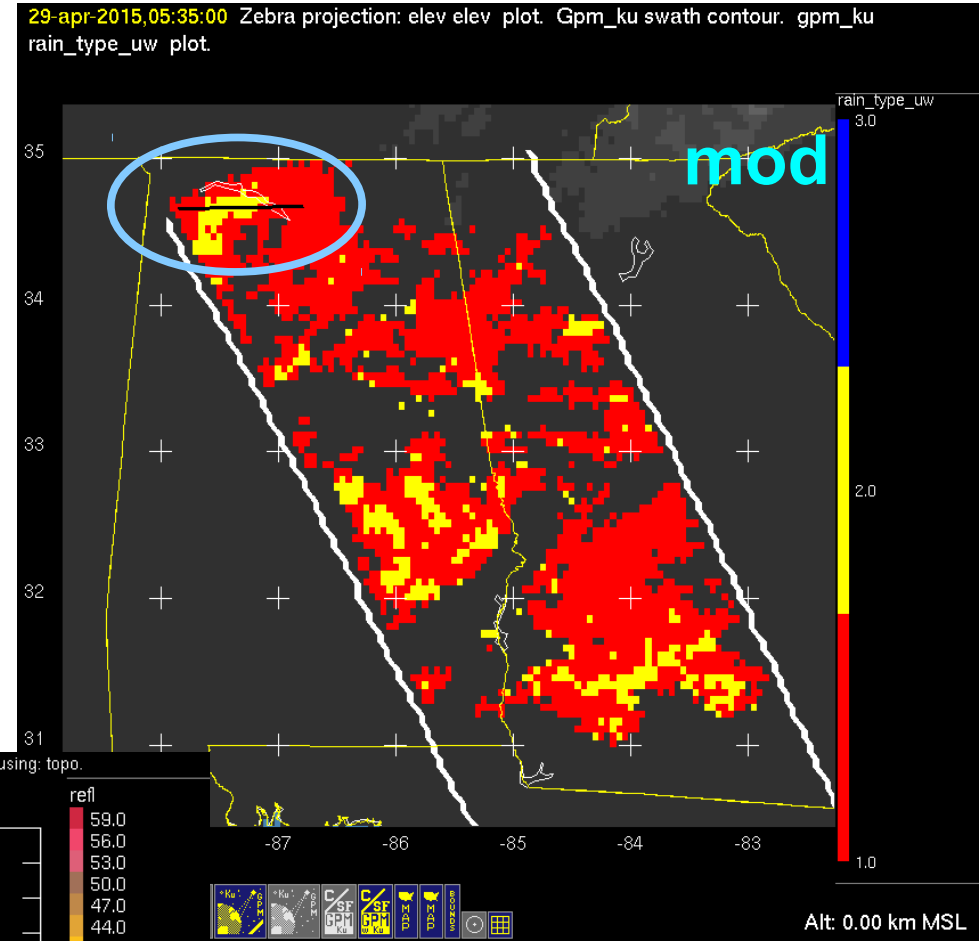
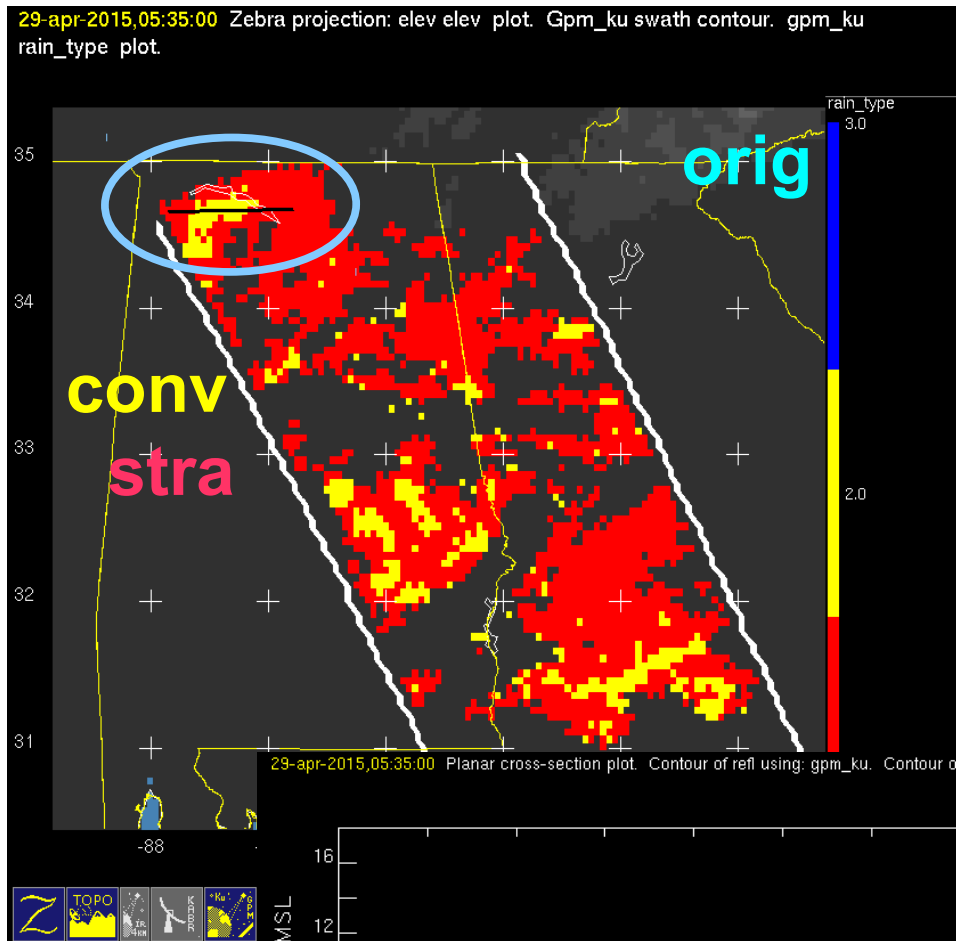


Failed height test

20150425 @ 205420

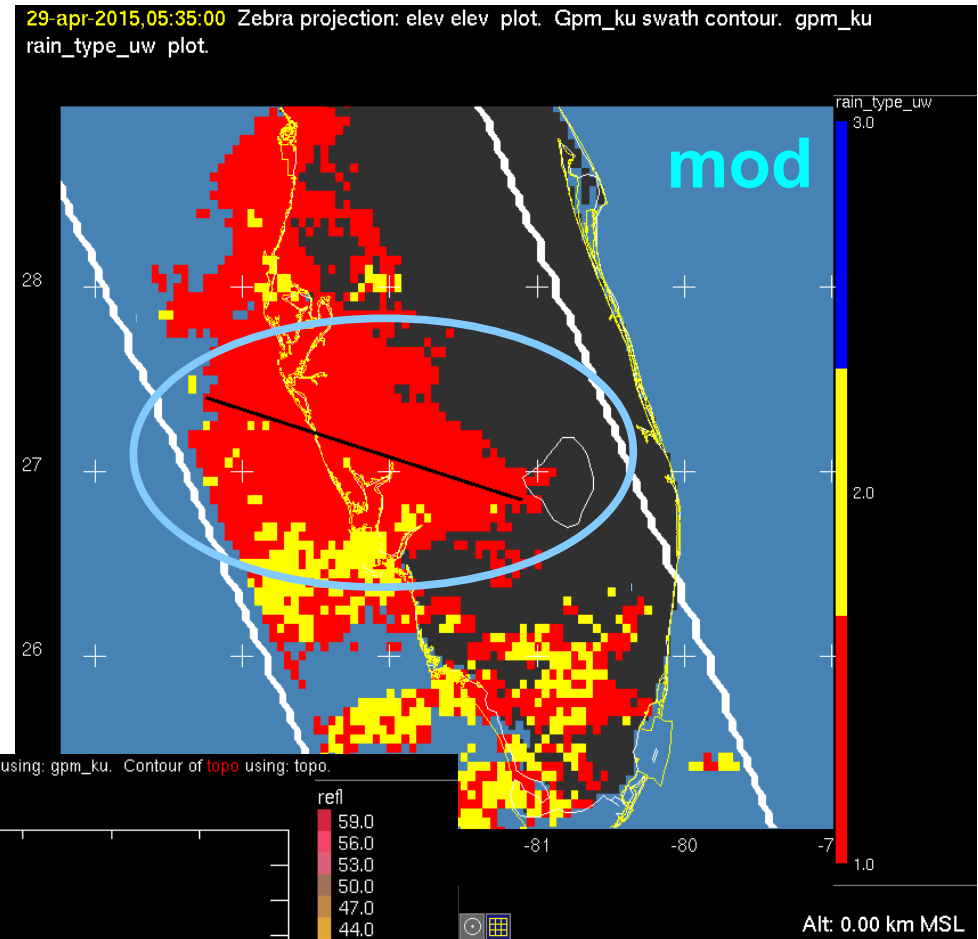
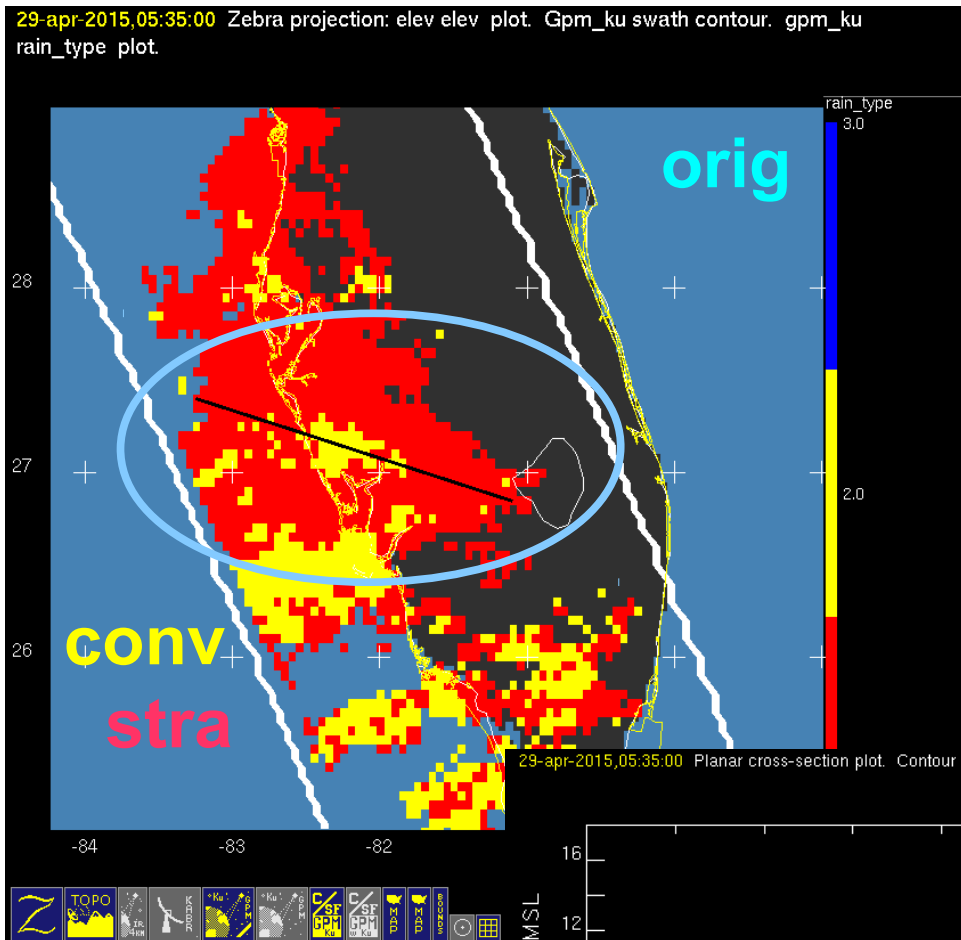


20150429 @ 053449 #1/2



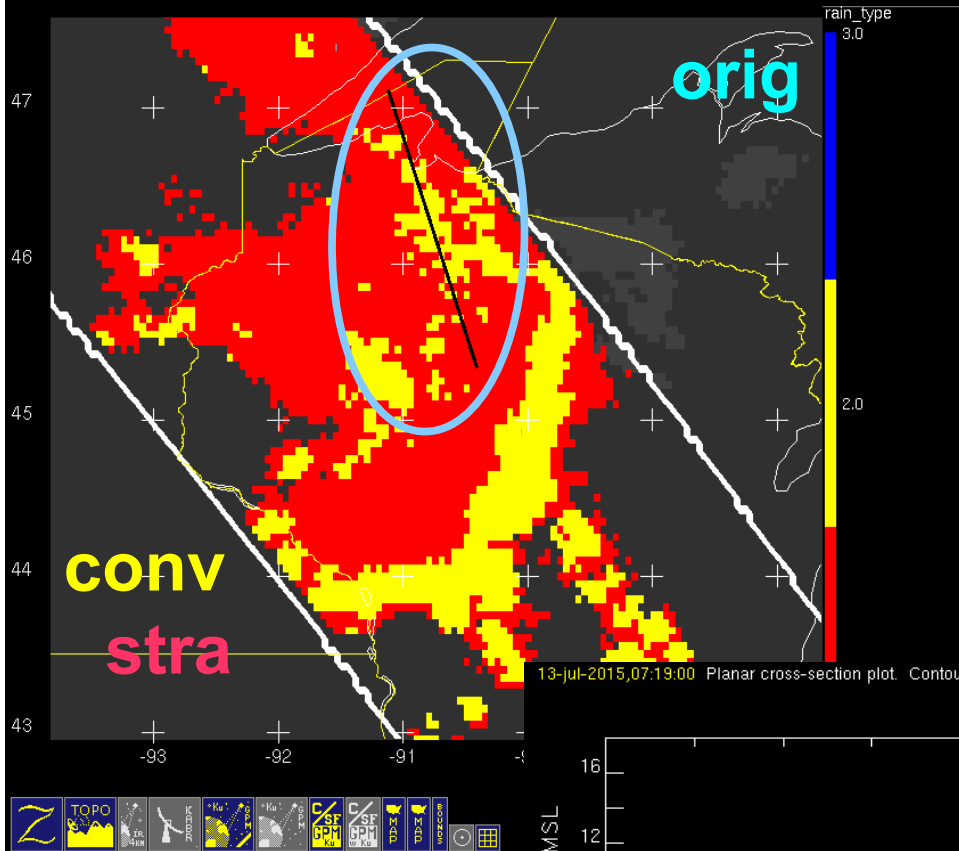
Failed height test

20150429 @ 053449 #2/2

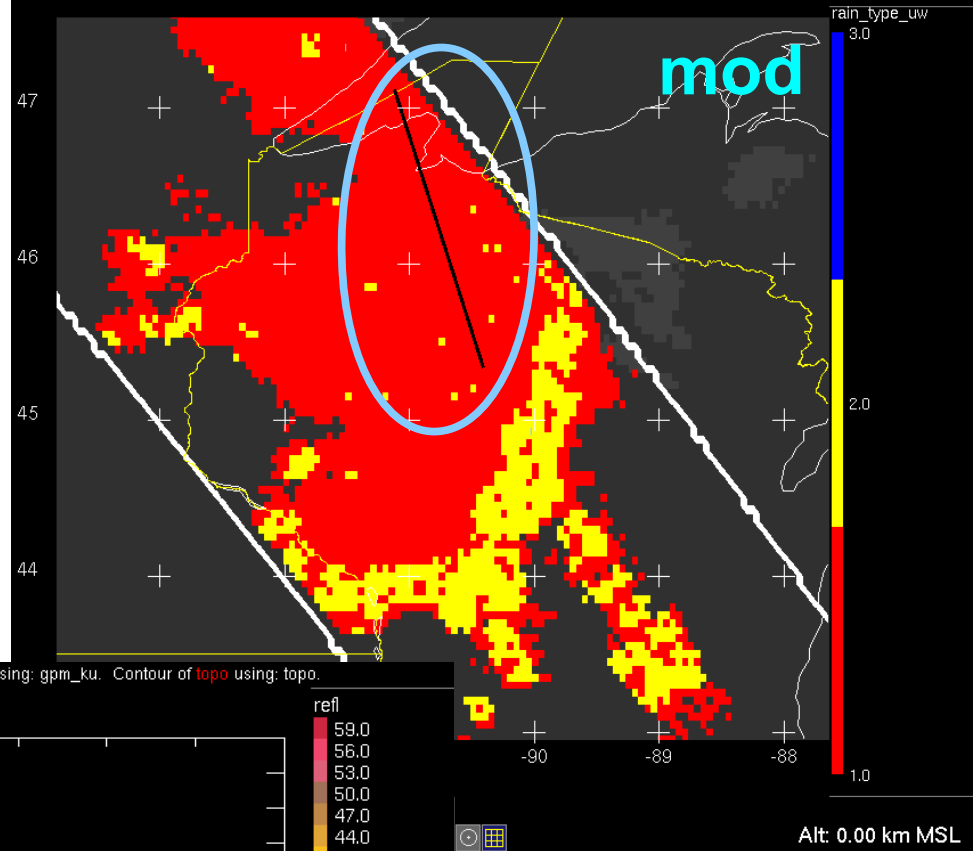


20150713 @ 071724 #1/2

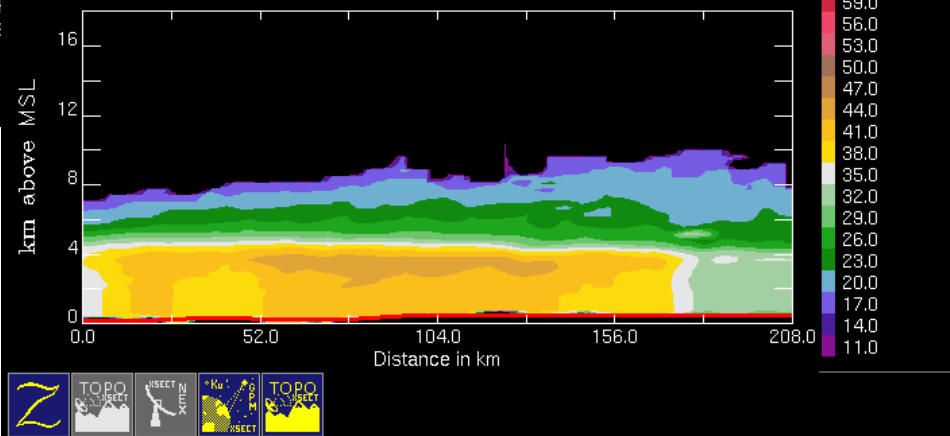
13-jul-2015,07:19:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type plot.



13-jul-2015,07:19:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type_uw plot.

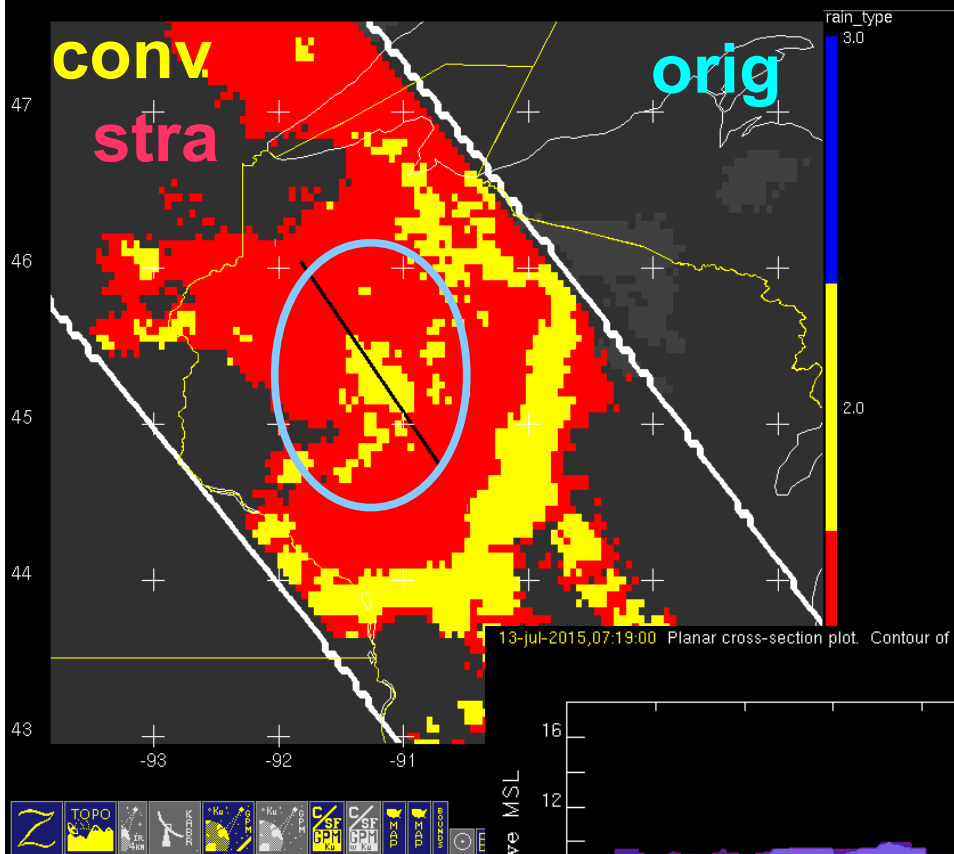


13-jul-2015,07:19:00 Planar cross-section plot. Contour of refl using: gpm_ku. Contour of topo using: topo.

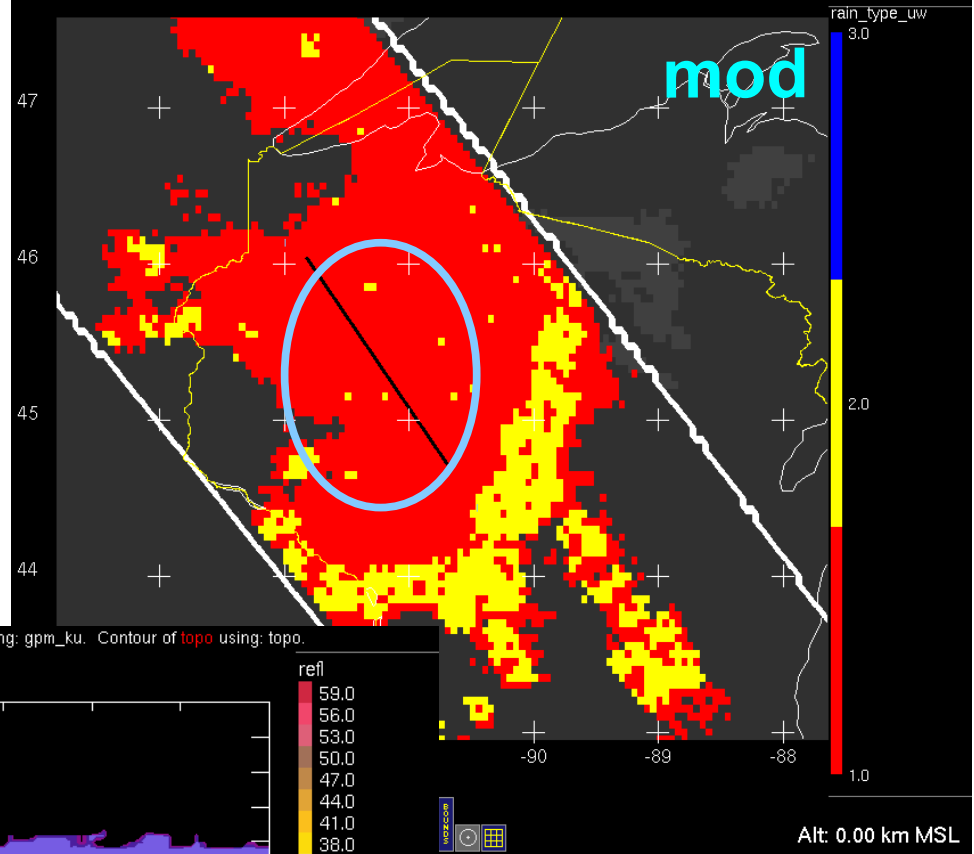


20150713 @ 071724 #2/2

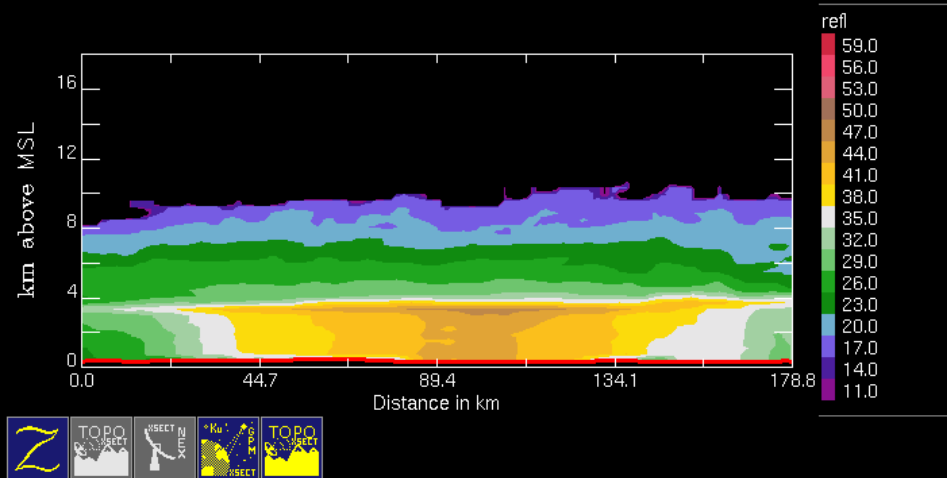
13-jul-2015,07:19:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type plot.



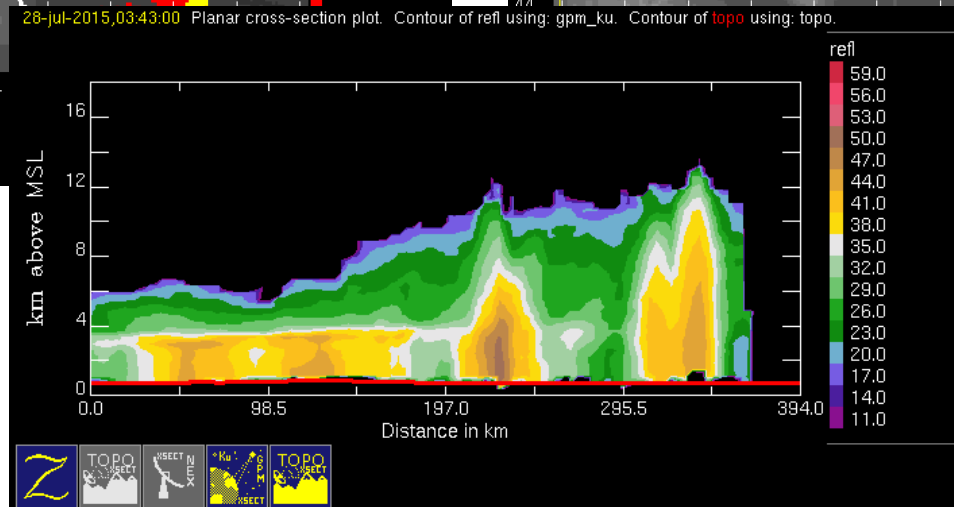
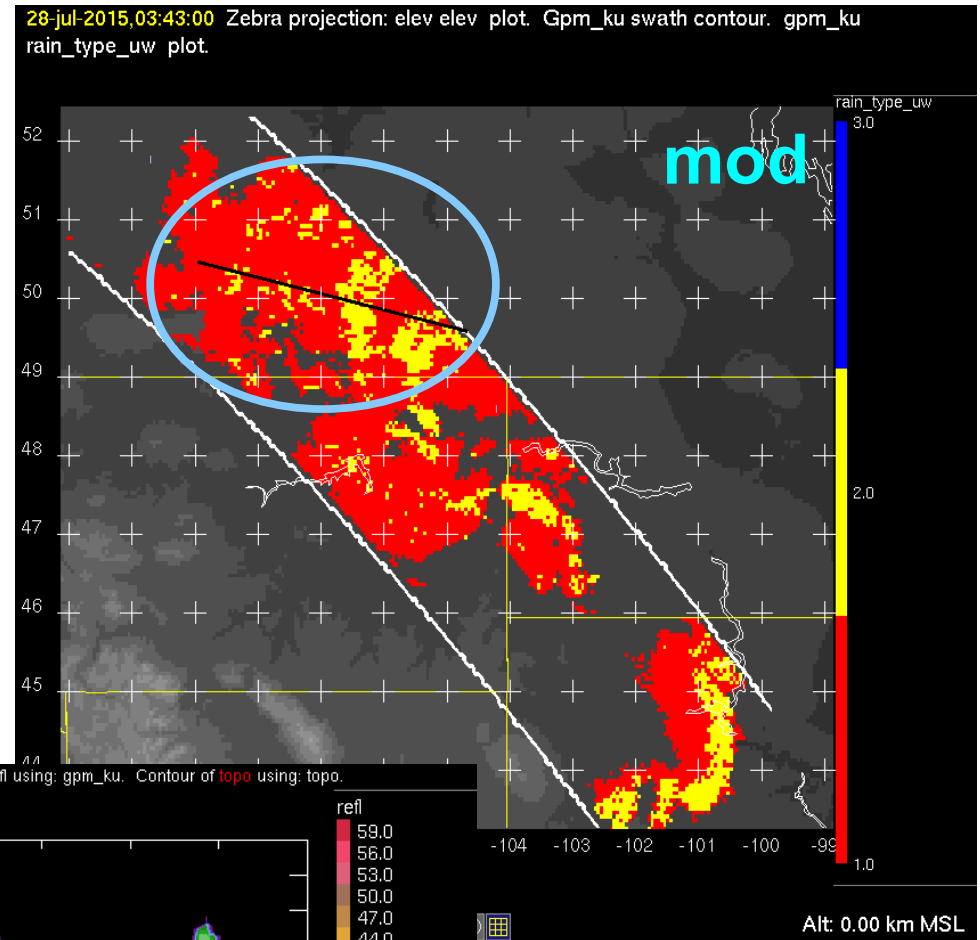
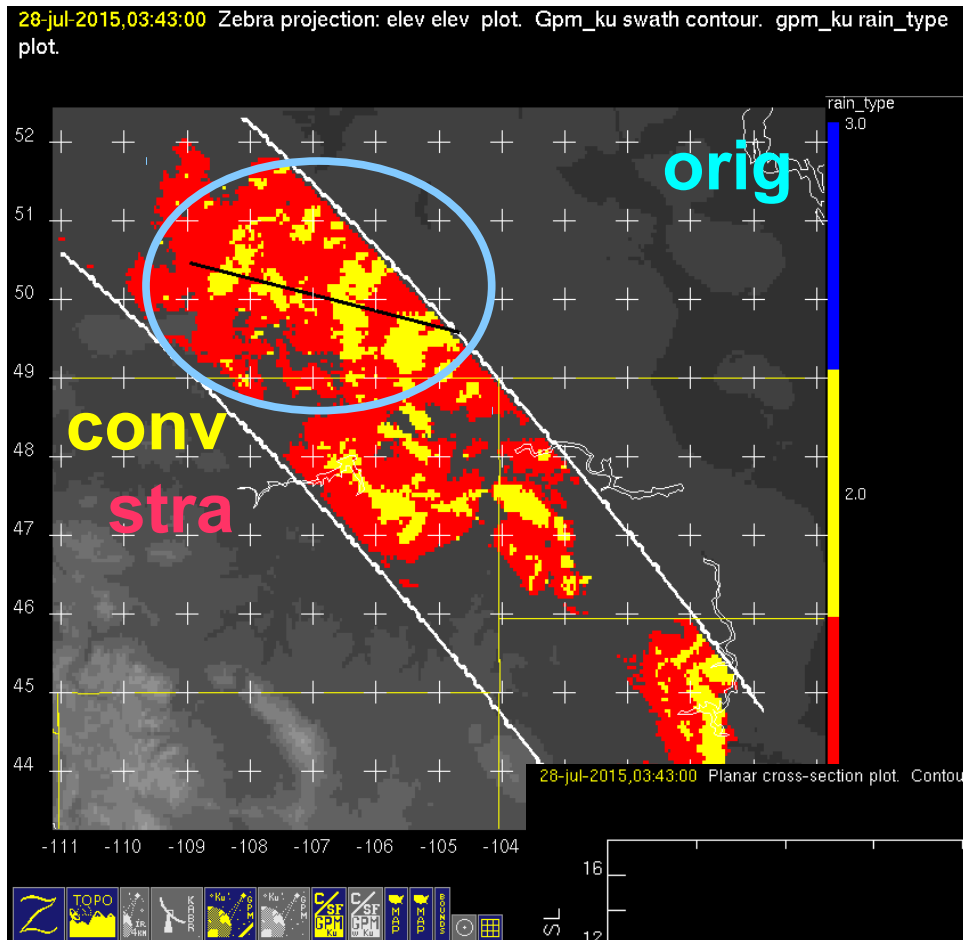
13-jul-2015,07:19:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type_uw plot.



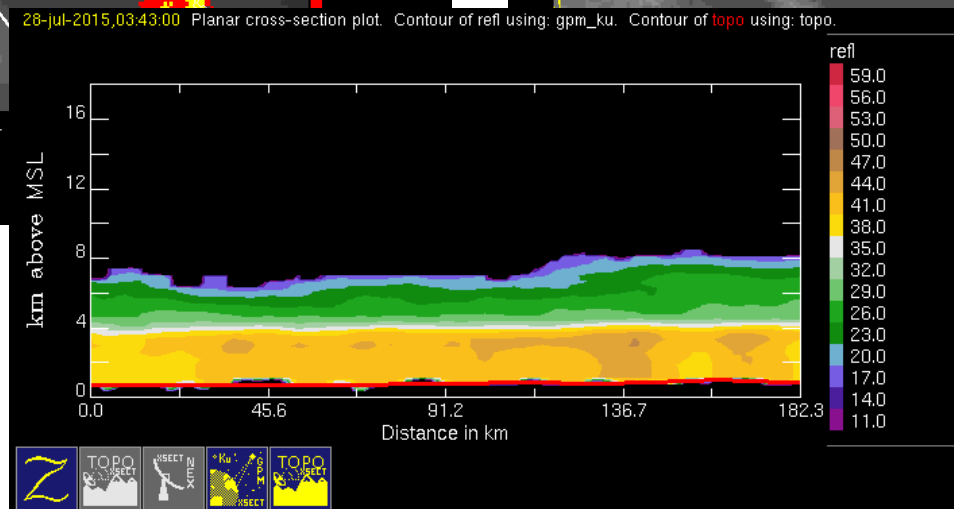
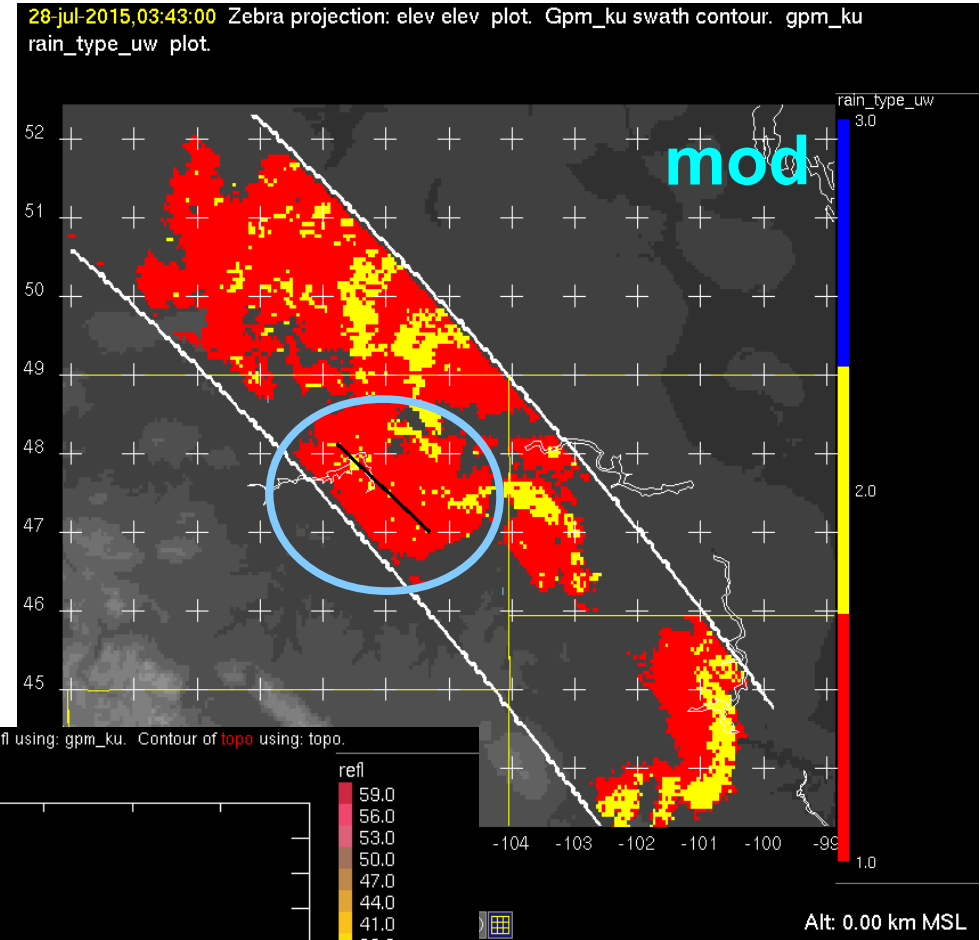
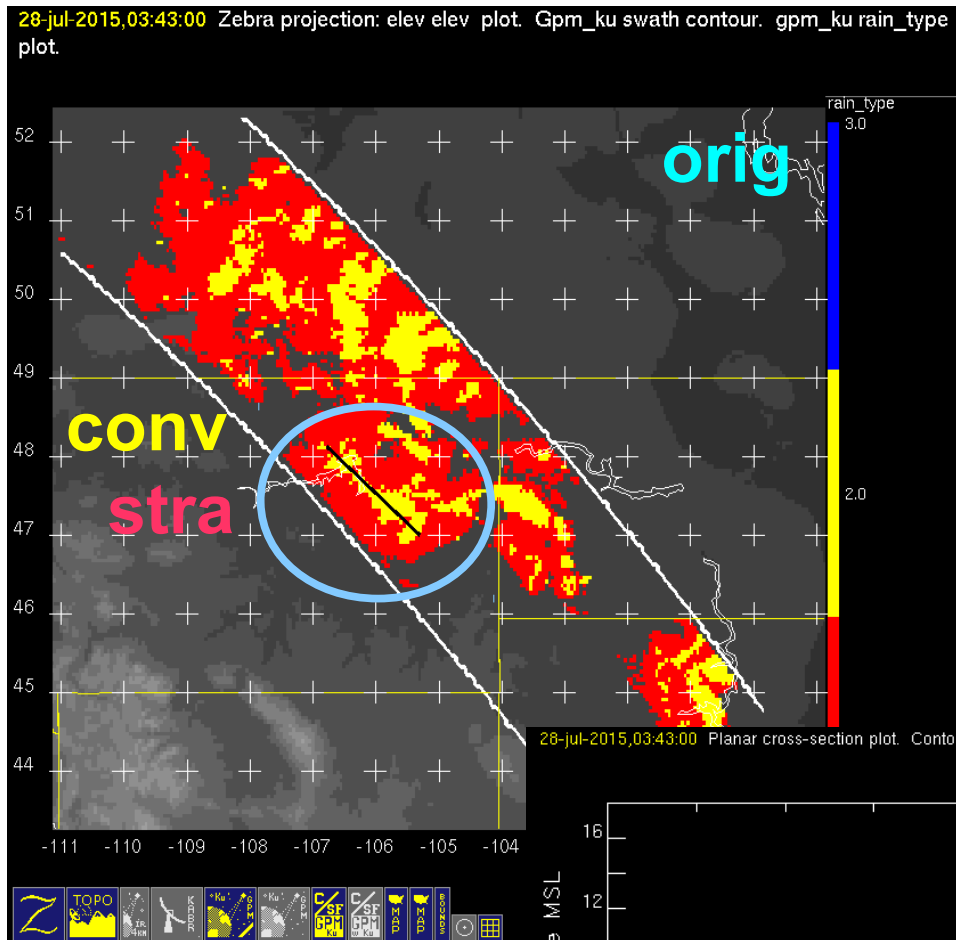
13-jul-2015,07:19:00 Planar cross-section plot. Contour of refl using: gpm_ku. Contour of topo using: topo.



20150728 @ 034222 #1/2

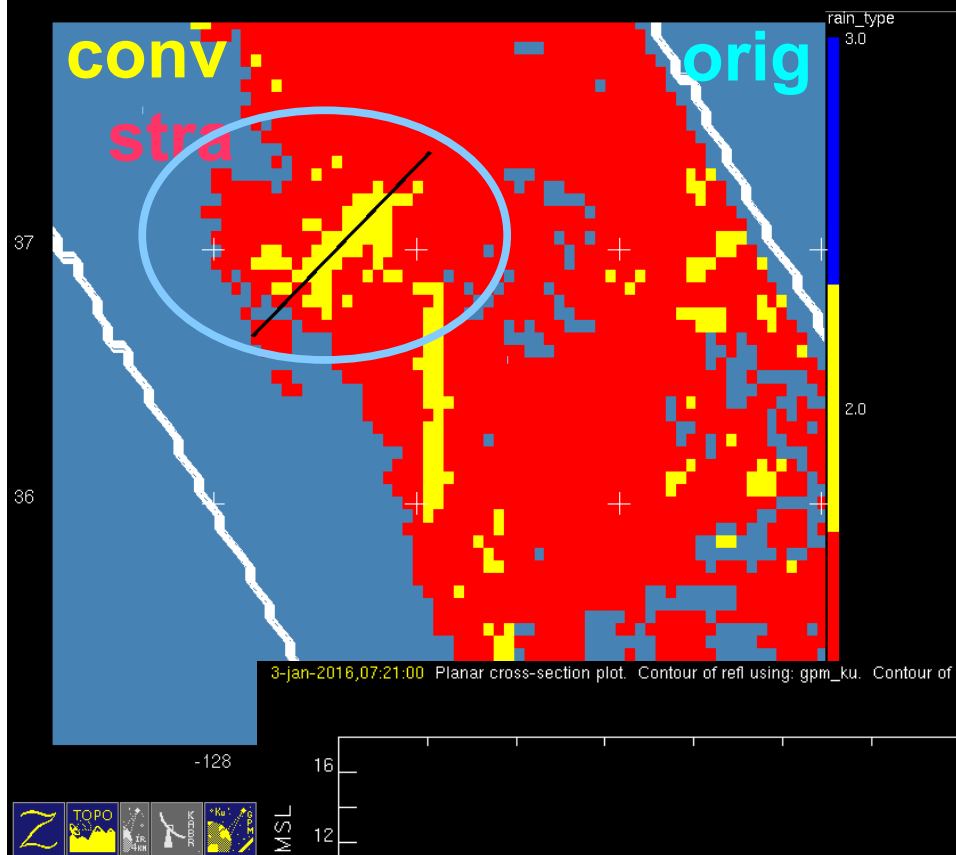


20150728 @ 034222 #2/2

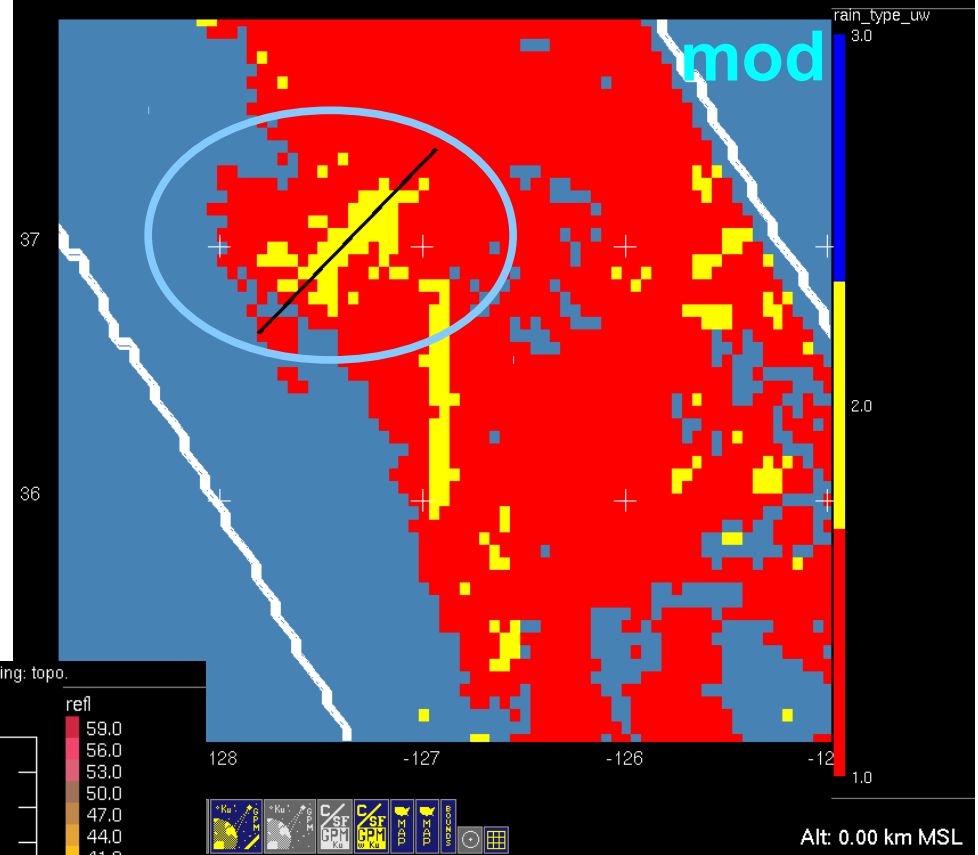


20160103 @ 071812

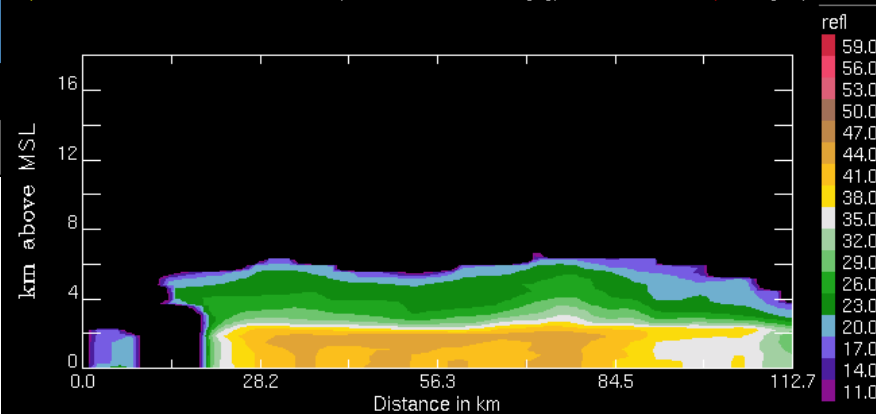
3-jan-2016,07:21:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type plot.



3-jan-2016,07:21:00 Zebra projection: elev elev plot. Gpm_ku swath contour. gpm_ku rain_type_uw plot.



3-jan-2016,07:21:00 Planar cross-section plot. Contour of refl using: gpm_ku. Contour of topo using: topo.



Failed height test