

EW_Drift-Faraday-Imaging July 2015 Campaign Report

This is an analysis of RTIs during EWDrift-Faraday-Imaging campaign from July 20 to 23, 2015. We show the RTIs and results.

EW_DRIFT-FARADAY-IMAGING:

July, 20:

_ Start the campaign from 16:05 hours.

_ At 16:20 transmitter down for 10 minutes

_ No Spread F.

_ Faraday was not using the flip, so the data is not good.

_ % Operation/12h: 0 (Due to Faraday is not running well)

Log:

_ 20 Jul 16:30 Start Imaging.

Staff in charge

07-20: P. Condor, 20-24: A. Belleza.

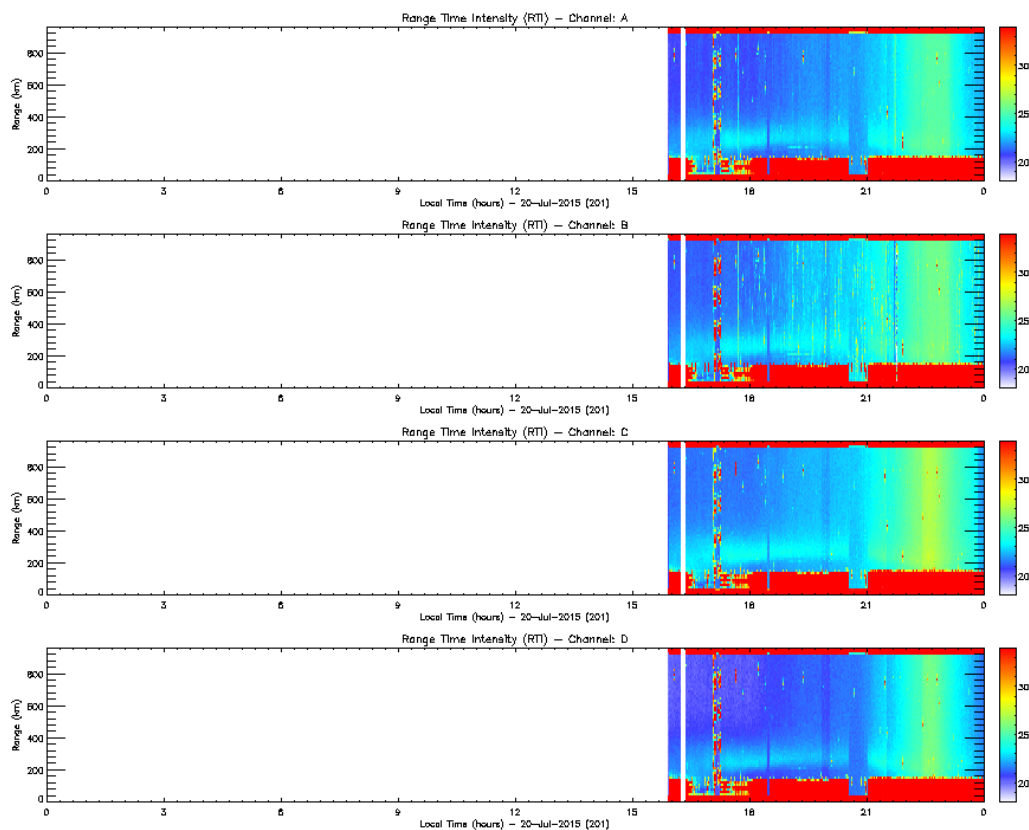


Figure 1.Rti EW_DRIFT 2015-07-20.

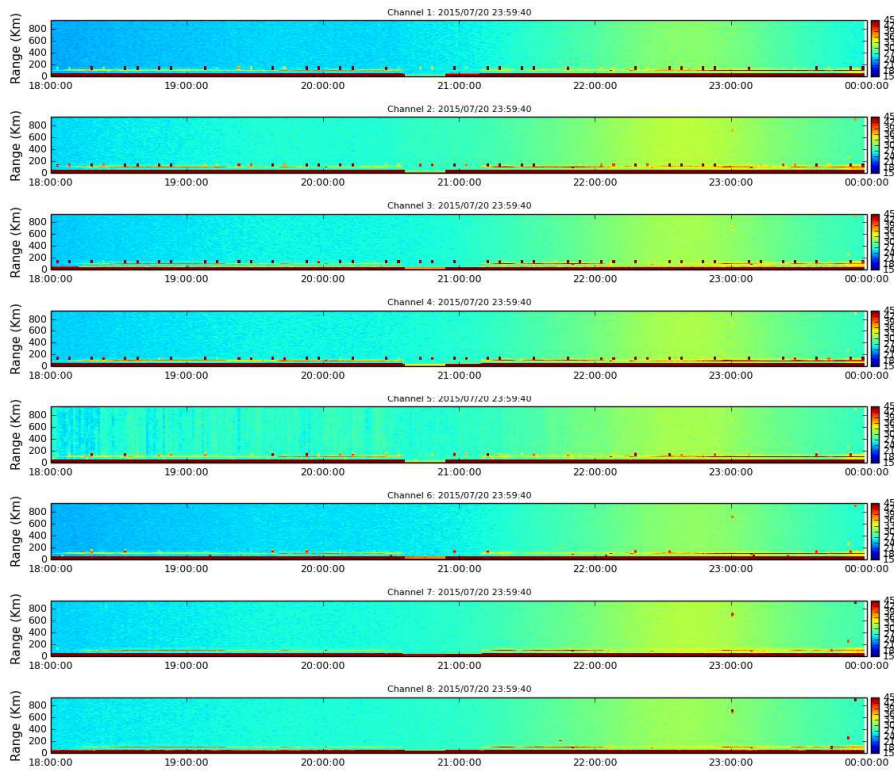


Figure 2. RTI IMAGING 2015-07-20 18:00-24:00.

Drifts obtained:

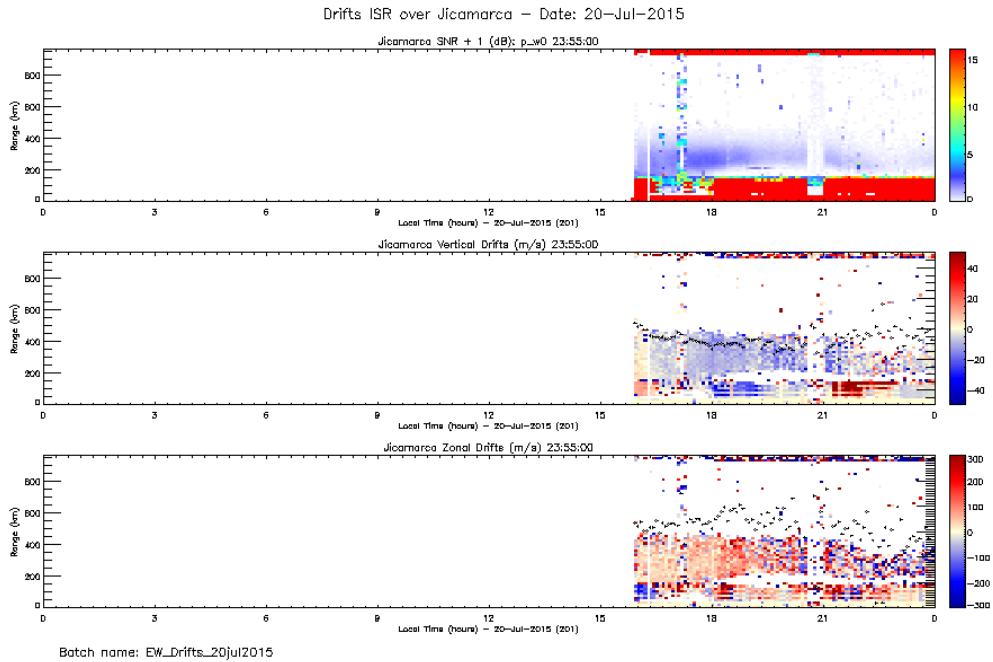


Figure 3. Drifts 2015-07-20.

July, 21:

_ Faraday has the flip conected 09:23 hours.

_ Spread F from 04 to 06 hours.

_ Faraday stopped at 21:33

_ % operation/24h: 51.00.

Log:

_ 21 Jul 21:33 Stop acquisition of Faraday.

_ 21 Jul 17:40 Start Imaging.

_ 21 Jul 23:59 Stop Imaging.

Staff in charge

00-08: A. Belleza. 08-20: R. Yanque. 20-24: D. Lume.

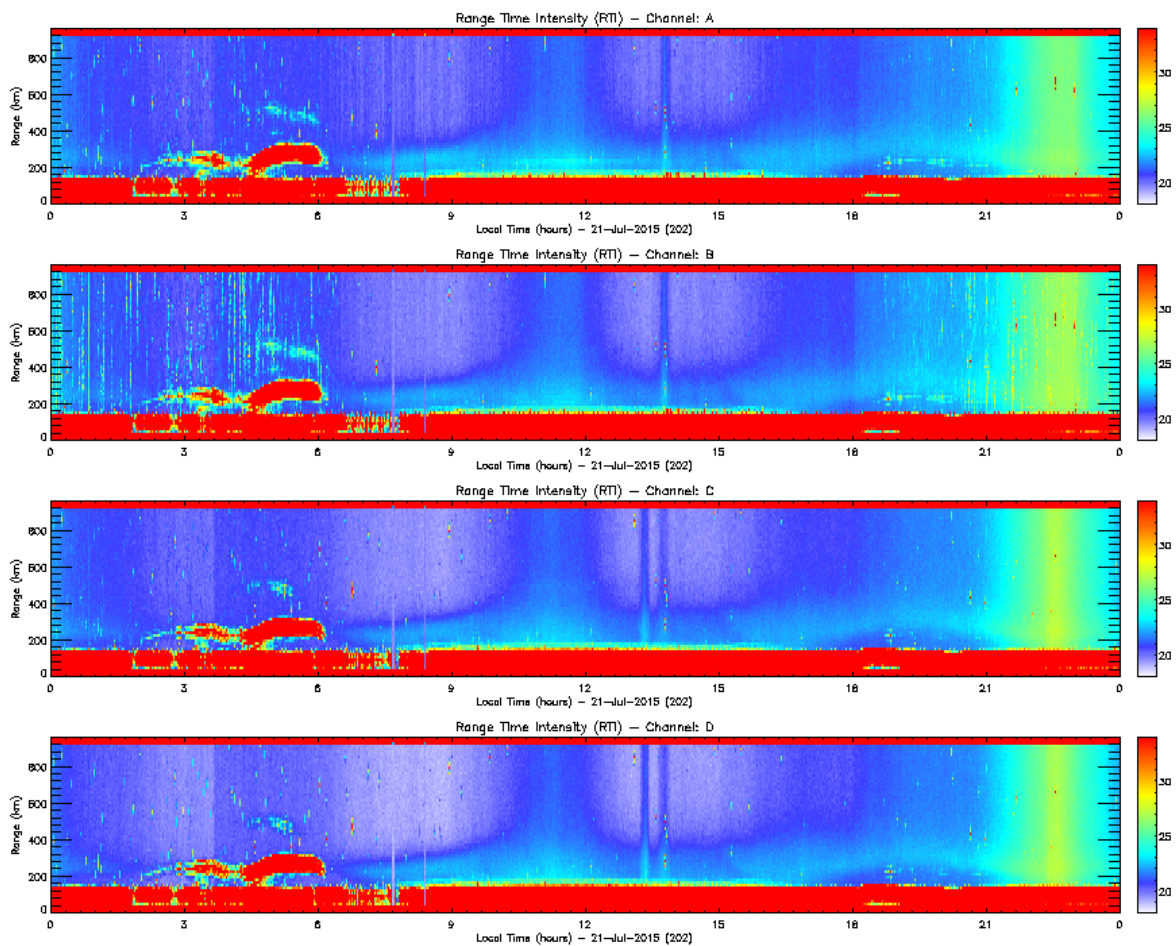


Figure 4. Rti EW_DRIFT 2015-07-21.

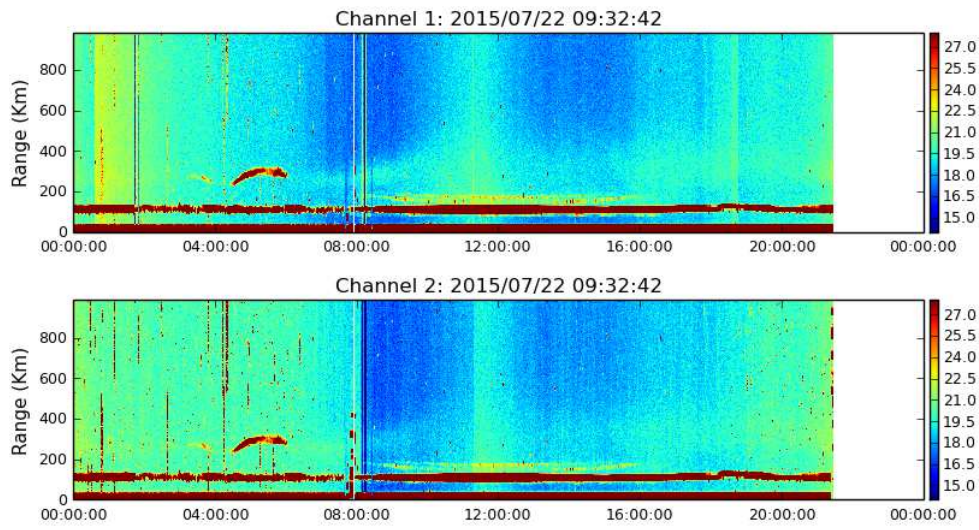


Figure 5. Rti FARADAY 2015-07-21

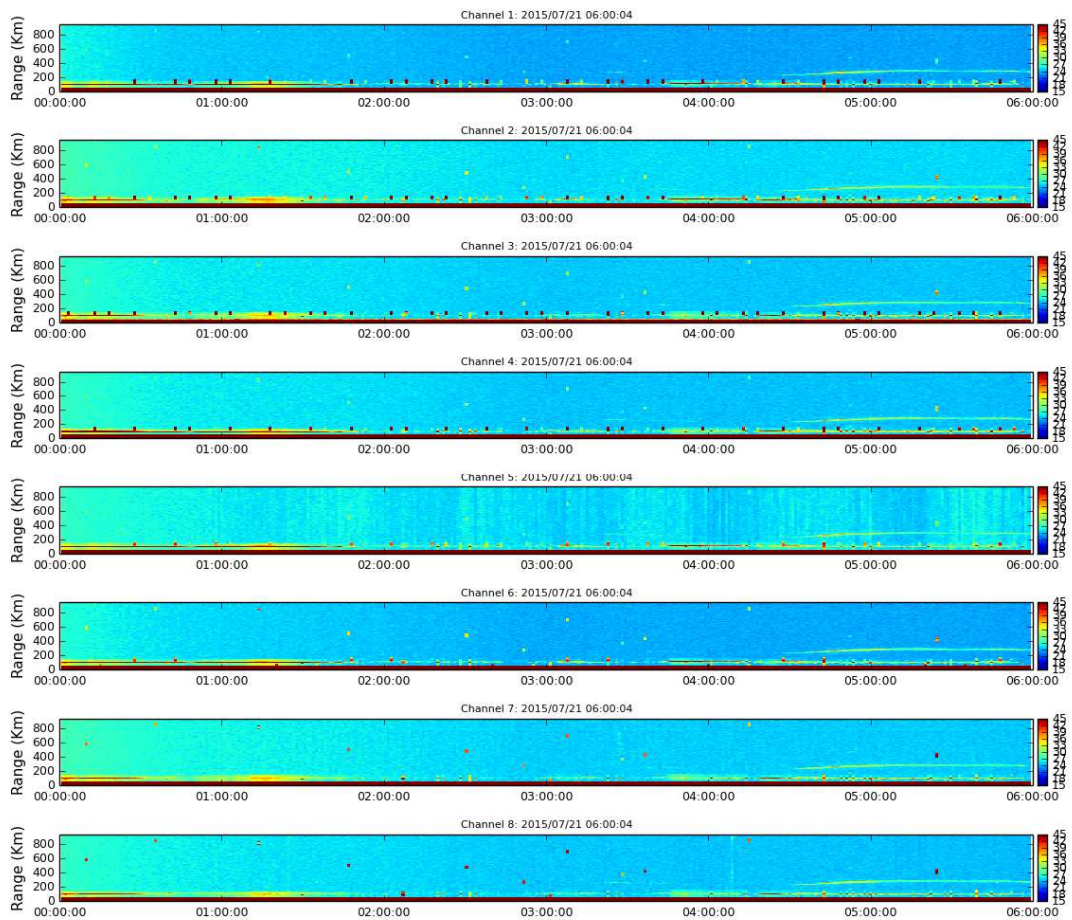


Figure 6. Rti IMAGING 2015-07-21 00:00-06:00.

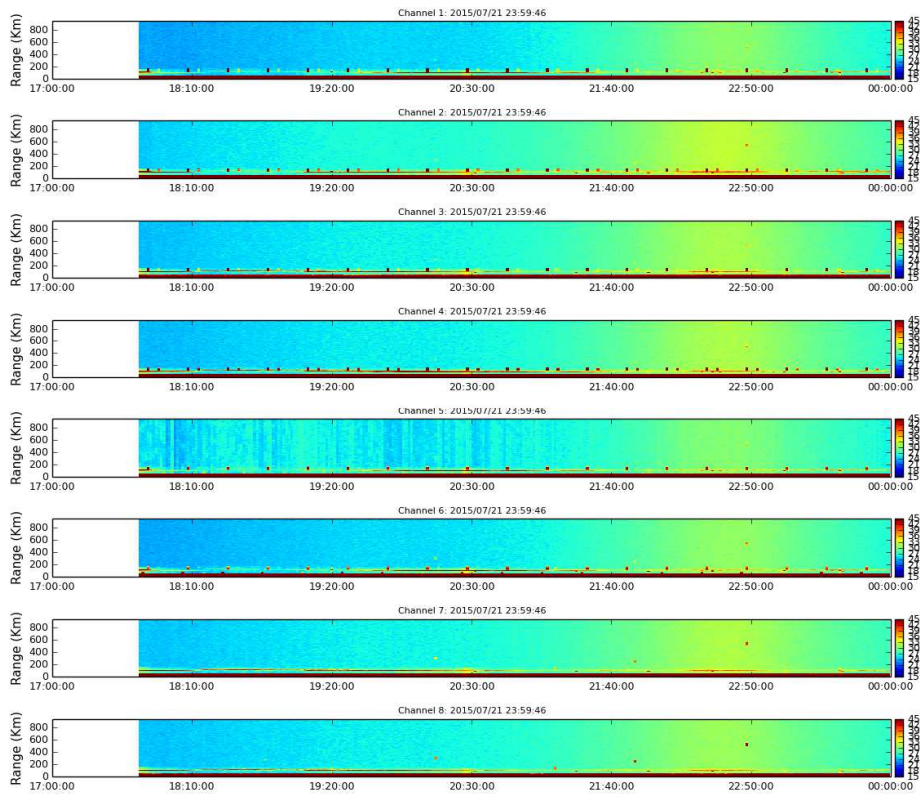


Figure 7. Rti IMAGING 2015-07-21 18:00-24:00.

Drifts obtained:

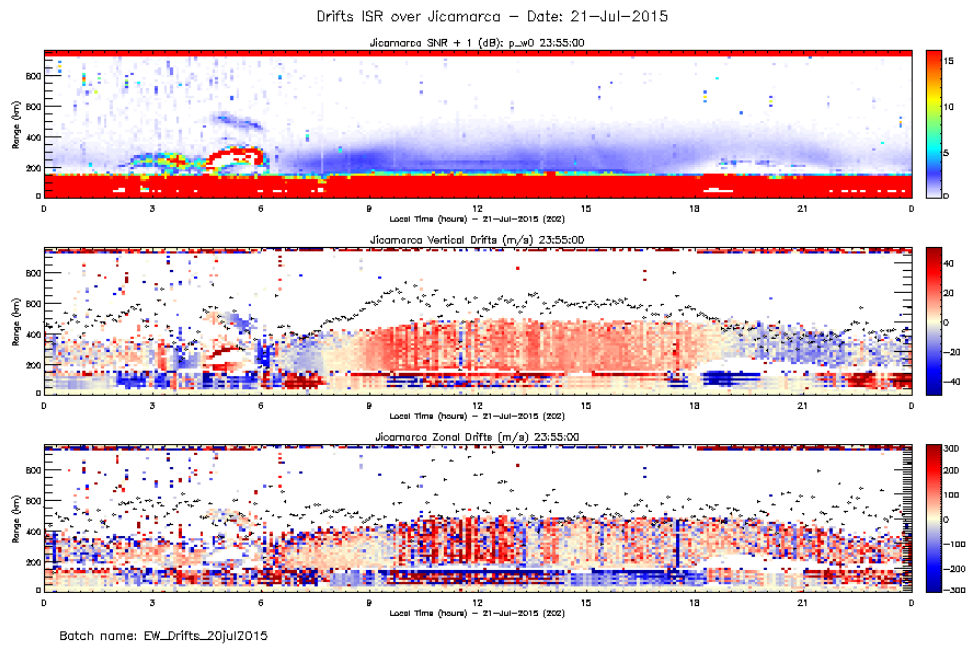


Figure 8. Drifts 2015-07-21.

July, 22:

_ Faraday restarted at 08:20.

_ Cuts due to ISR School, in total around 4 hours

_ % operation/24h: 83.33

Log:

_ 22 Jul 08:20 Restart Faraday

_ 22 Jul 17:51 Start Imaging

Staff in charge:

00-08: D. Lume 08-20: P. Condor. 20-24: A. Belleza.

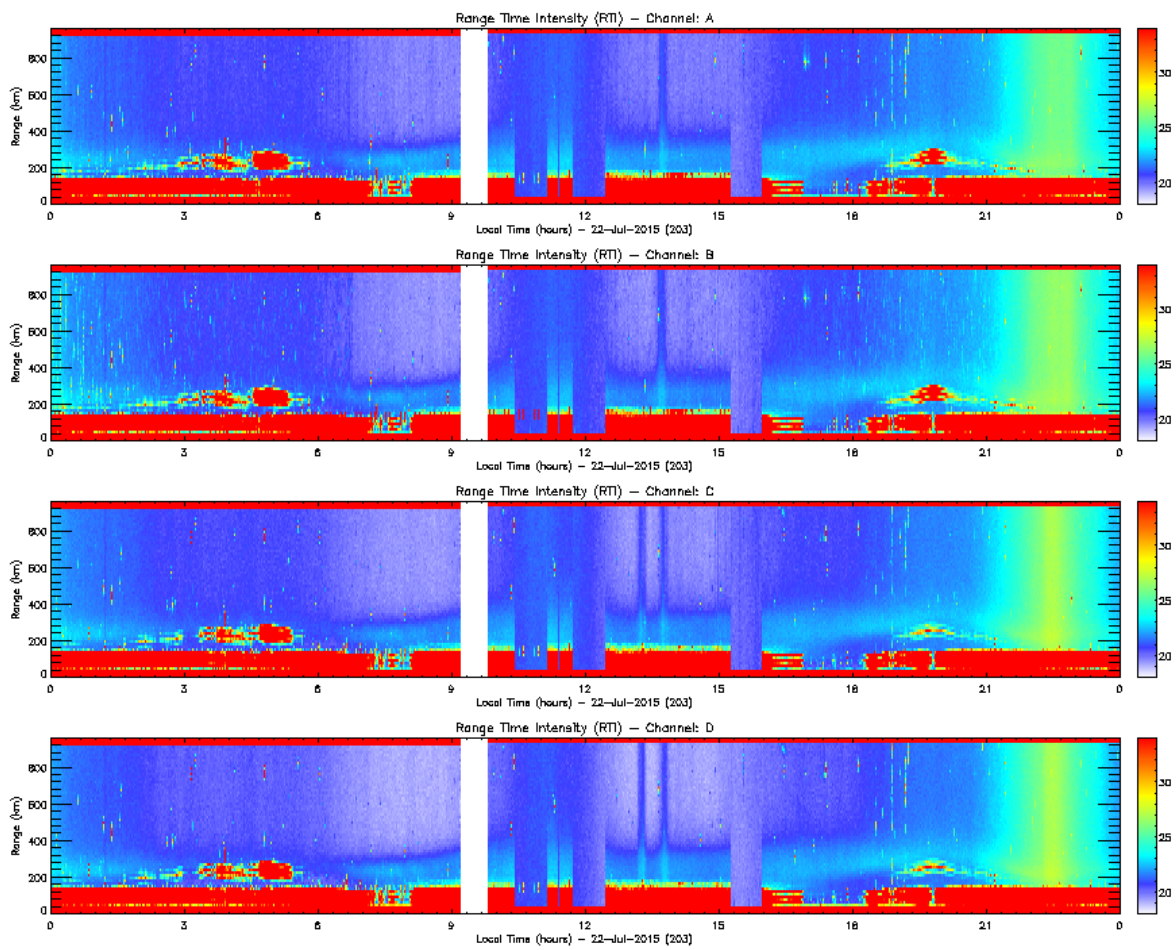


Figure 9. Rti EW_DRIFT 2015-07-22.

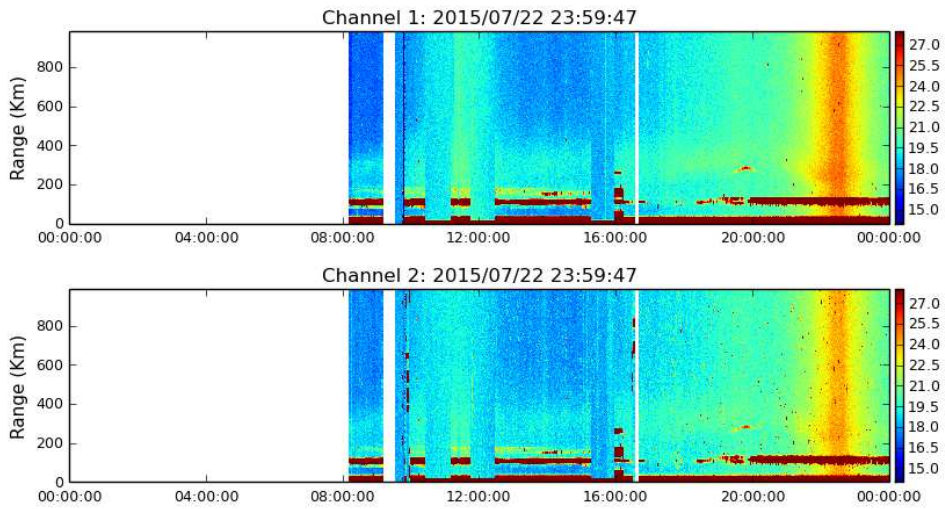


Figure 10. Rti FARADAY 2015-07-22.

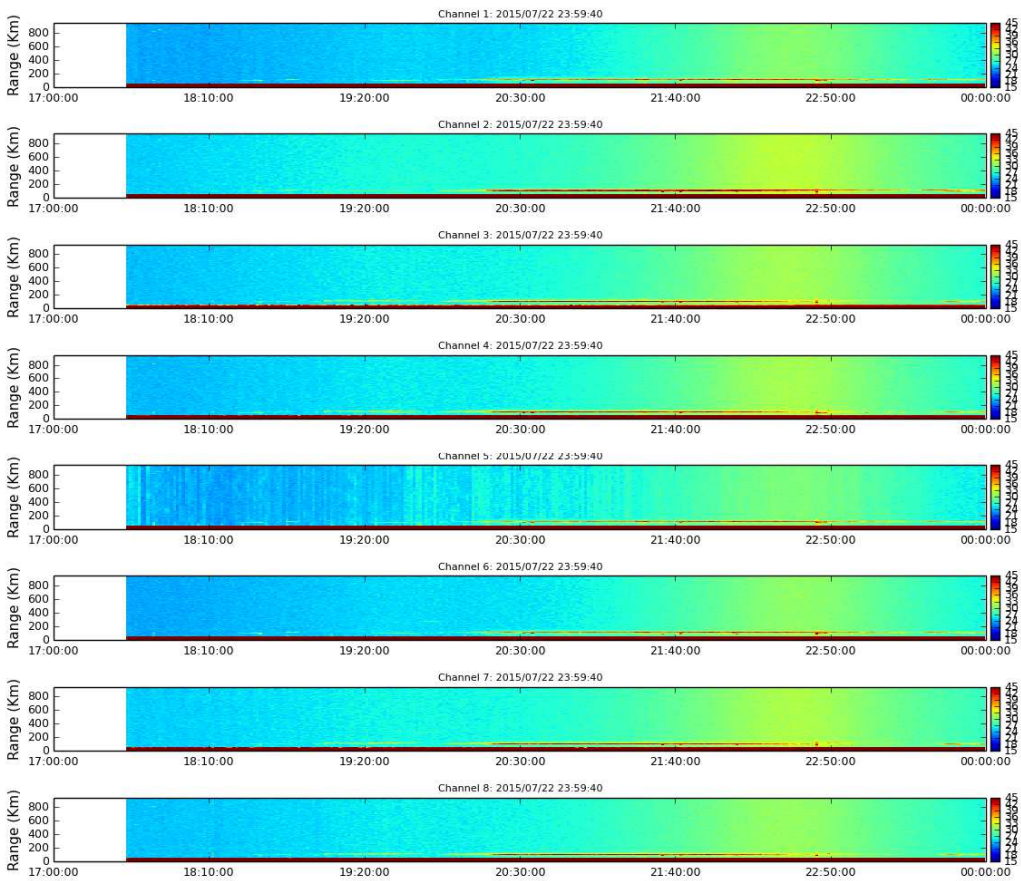


Figure 11. Rti IMAGING 2015-07-22 18:00-24:00.

Drifts obtained:

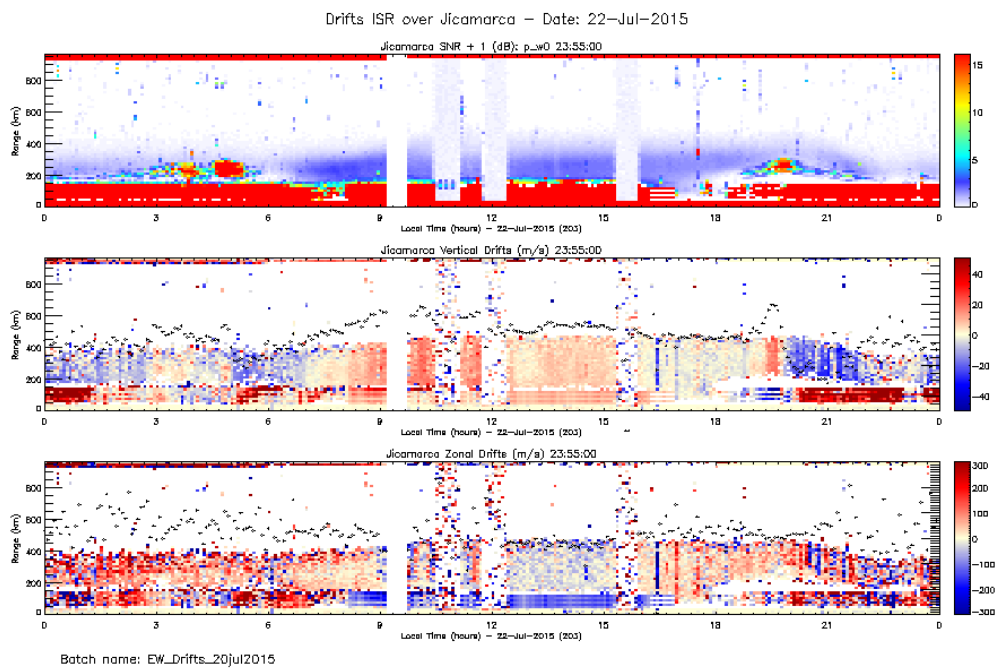


Figure 12. Drifts 2015-07-22

July, 23:

_ Spread F from 04 to 06:20 hours.

Log:

_ 23 Jul 06:30 Imaging off.

Staff in charge:

00-08: A. Belleza

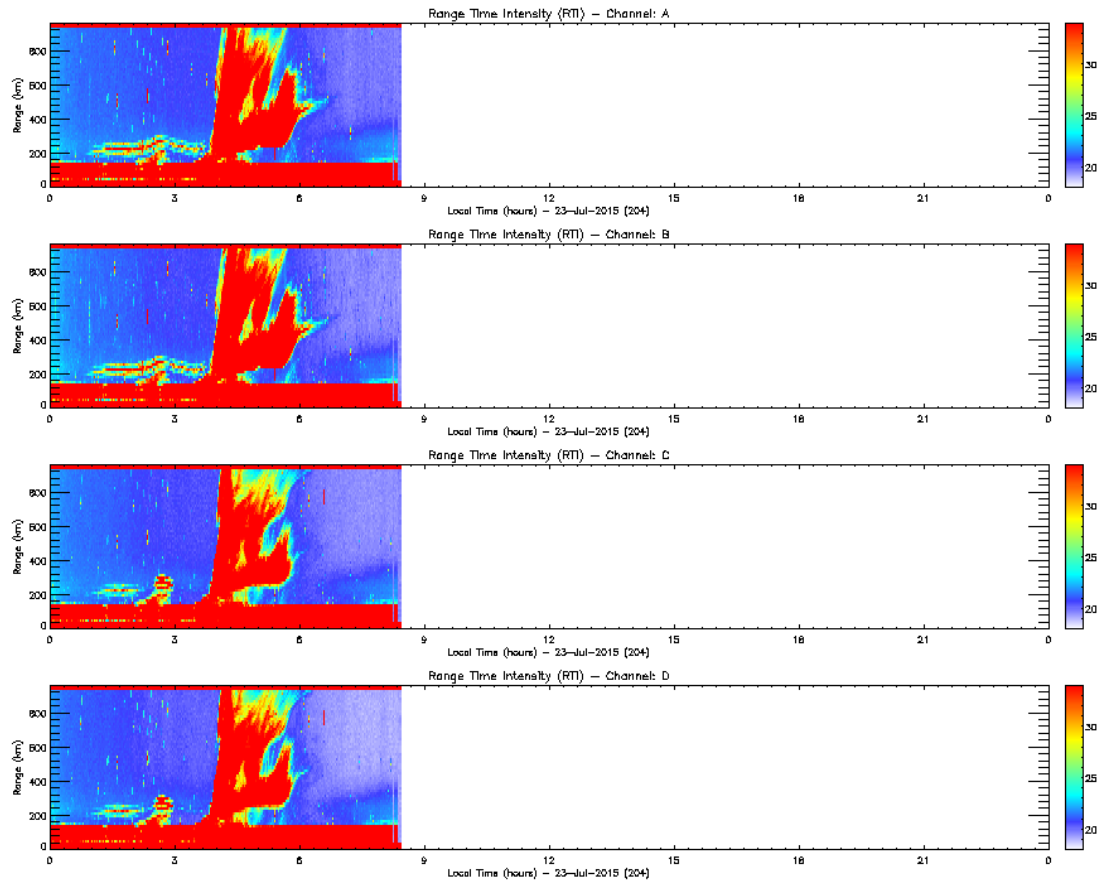


Figure 13. Rti EW_DRIFT 2015-07-23

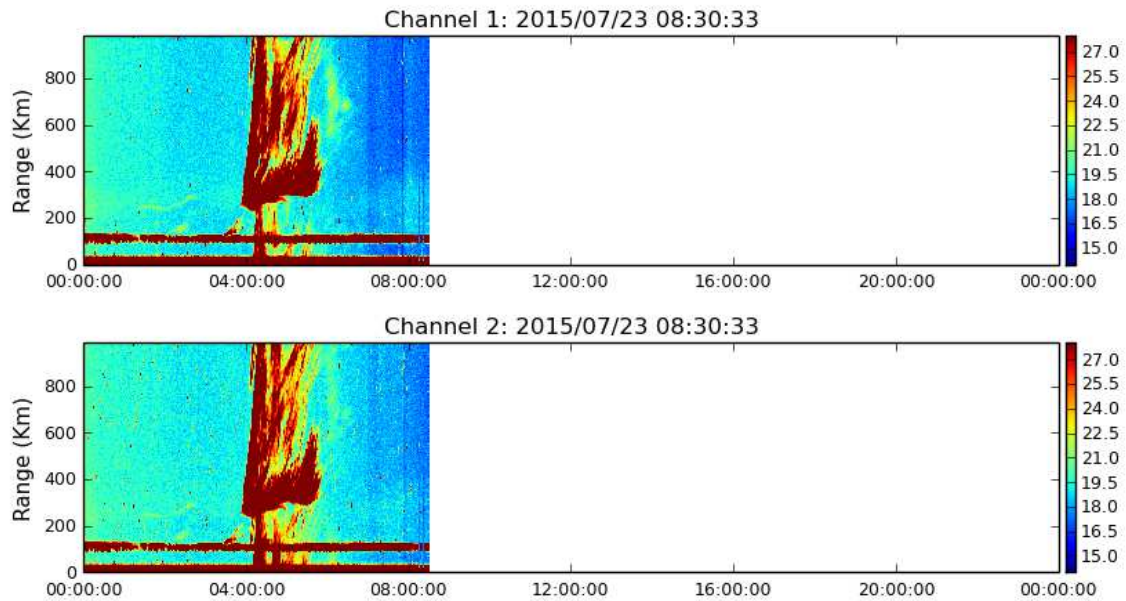


Figure 14. Rti FARADAY 2015-07-23

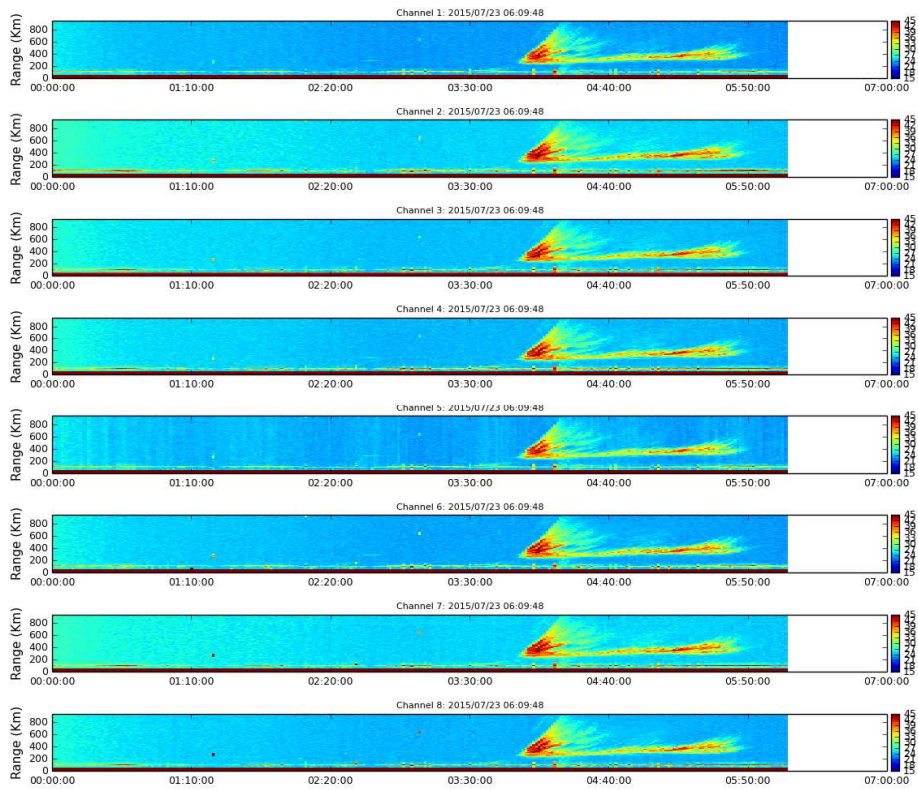


Figure 15. Rti IMAGING 2015-07-23 00:00-06:00.

Drifts obtained:

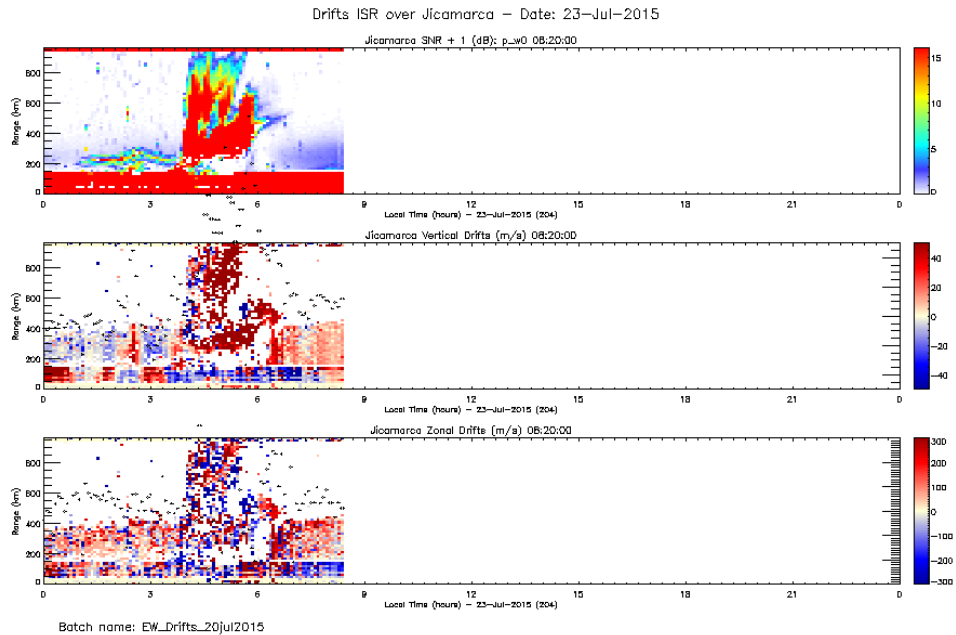


Figure 16. Drifts 2015-07-23.

Annex:

Sky noise for July 22, 2015:

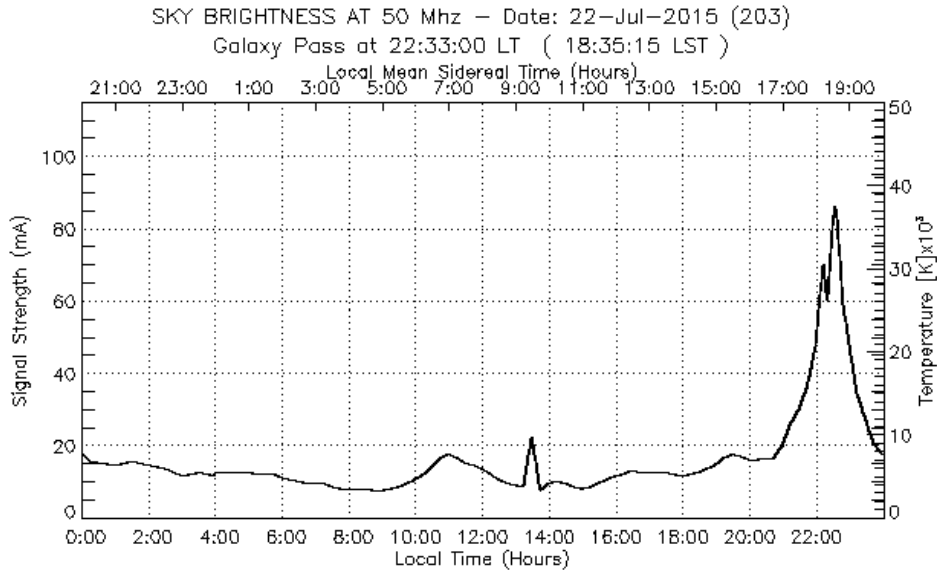


Figure 17. Sky noise.

Antenna pattern

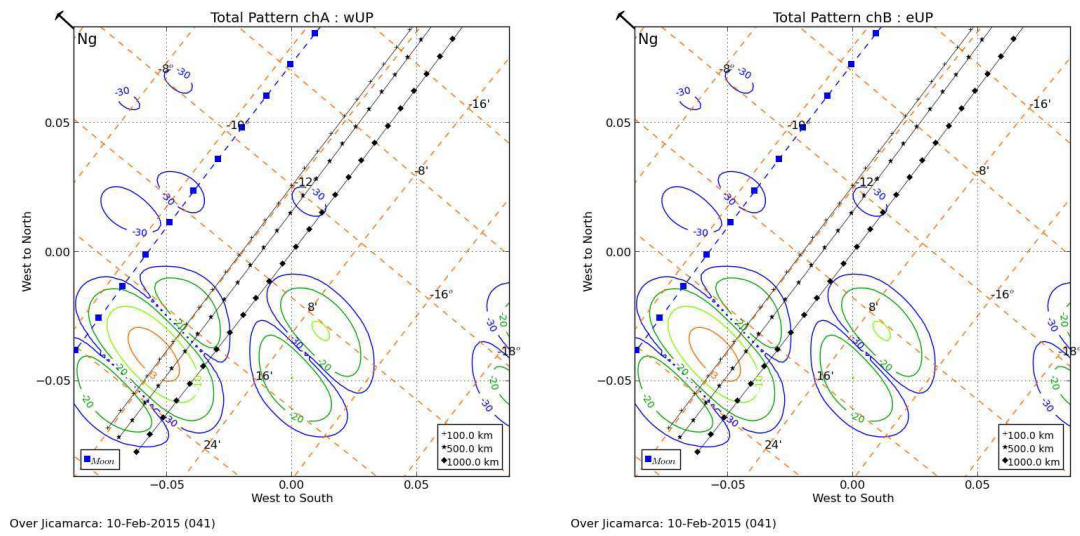
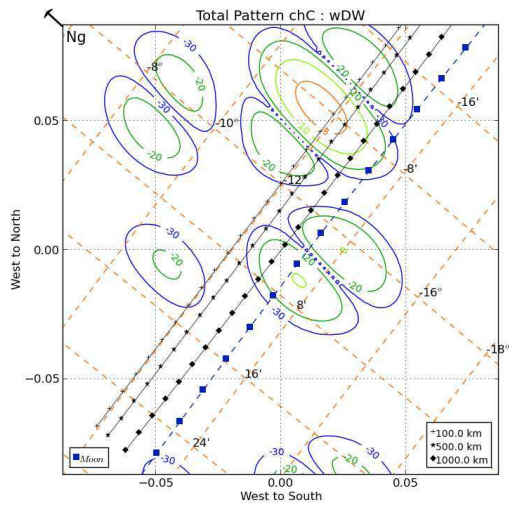
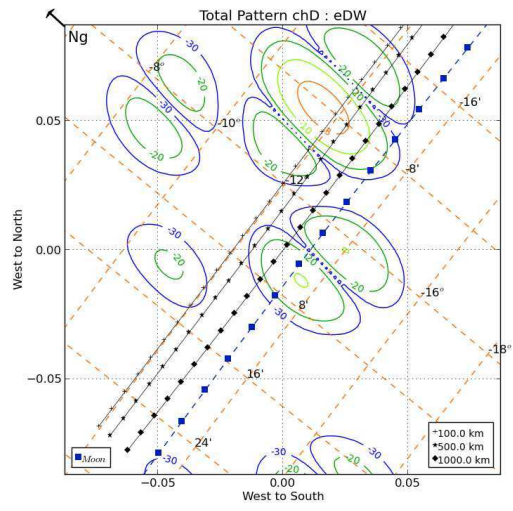


Figure 18. Antennas pattern EW_Drifts: Ch A and Ch B.

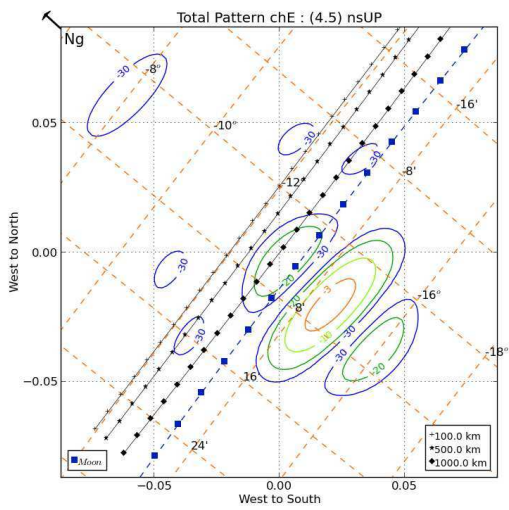


Over Jicamarca: 11-Feb-2015 (042)

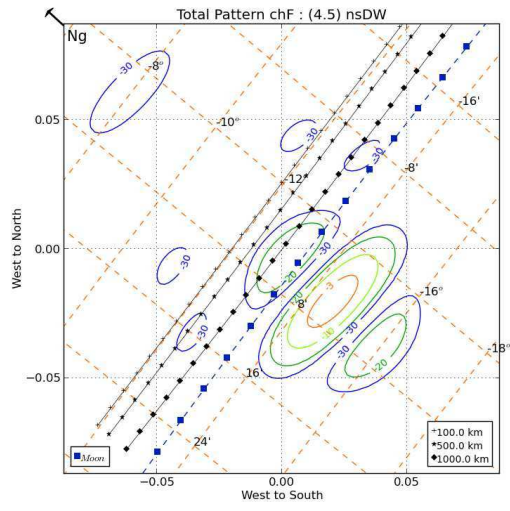


Over Jicamarca: 11-Feb-2015 (042)

Figure 19. EW_Drifts: Ch C and Ch D.



Over Jicamarca: 11-Feb-2015 (042)



Over Jicamarca: 11-Feb-2015 (042)

Figure 20. Faraday: Ch A and Ch B.