

EW_Drift-Faraday-Imaging March 2017 Campaign Report

This is an analysis of RTIs during EW_Drift-Faraday-Imaging campaign from March 29 to April 01, 2017. We show the RTIs and results.

EW_DRIFT-FARADAY-IMAGING:

March, 29:

_ Start the campaign from 14:30 hours.

_ There is not Spread F.

_ % Operation/9h: 100.00

Log:

_ 29 Mar 14:45 Start campaign.

_ 29 Mar 17:40 Start of Imaging.

_ 29 Mar 18:30 VIPIR is stopped.

Staff in charge

07-20: I. Manay. 20-24: A. Belleza.

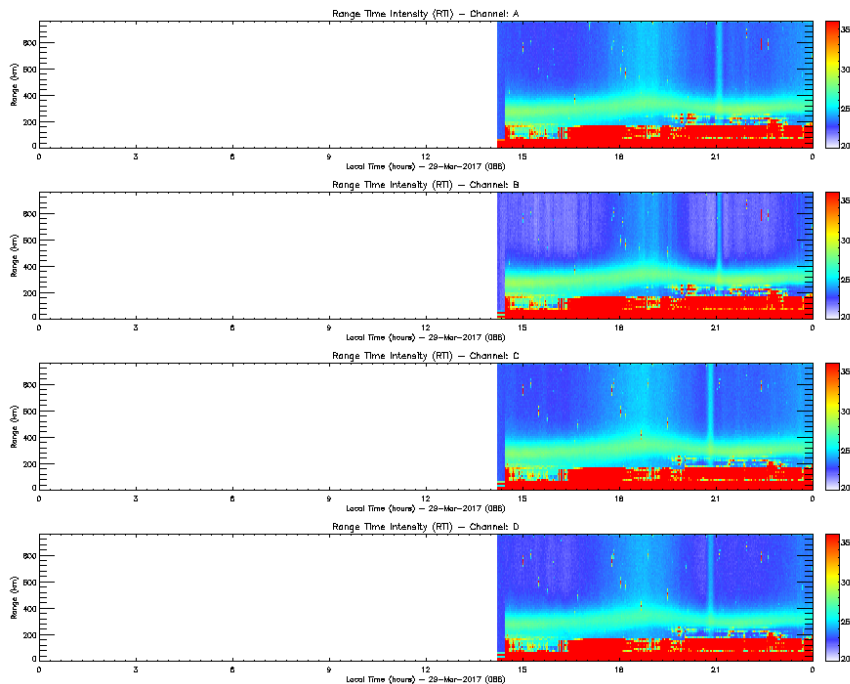


Figure 1.Rti EW_DRIFT 2017-03-29.

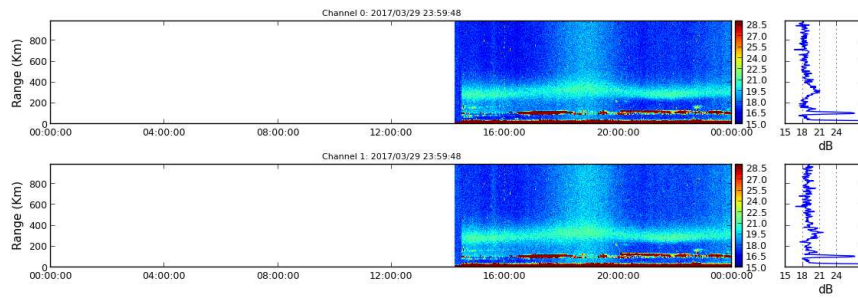


Figure 2. Rti FARADAY 2017-03-29.

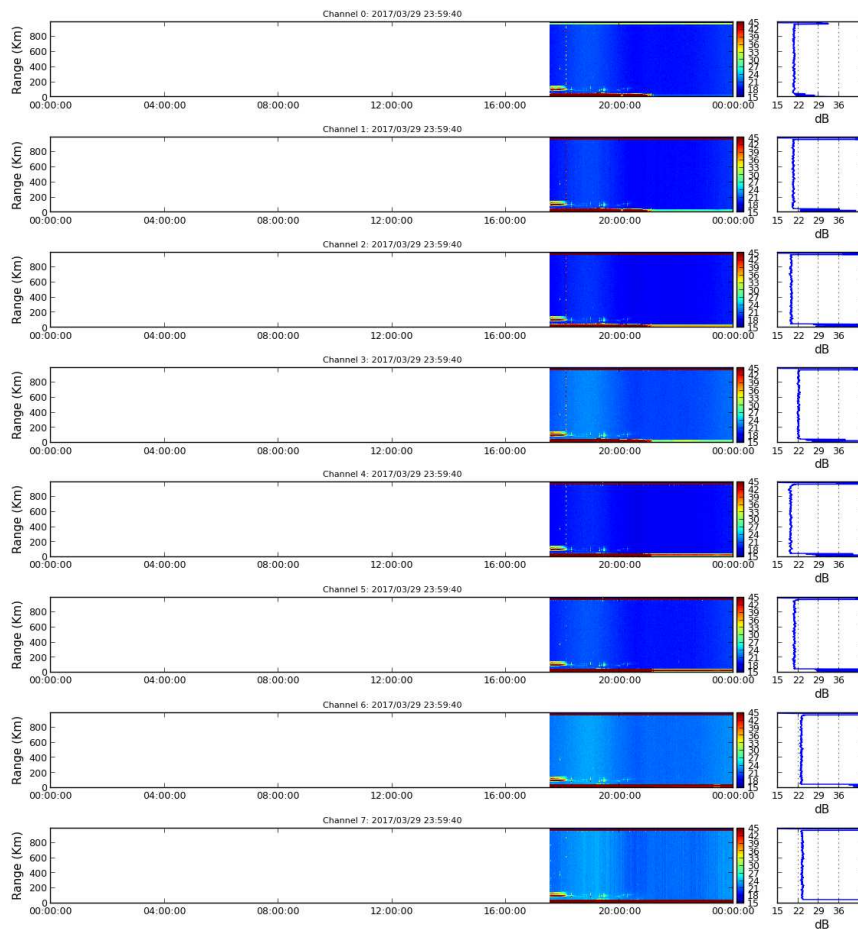


Figure 3. RTI IMAGING 2017-03-29.

Drifts obtained:

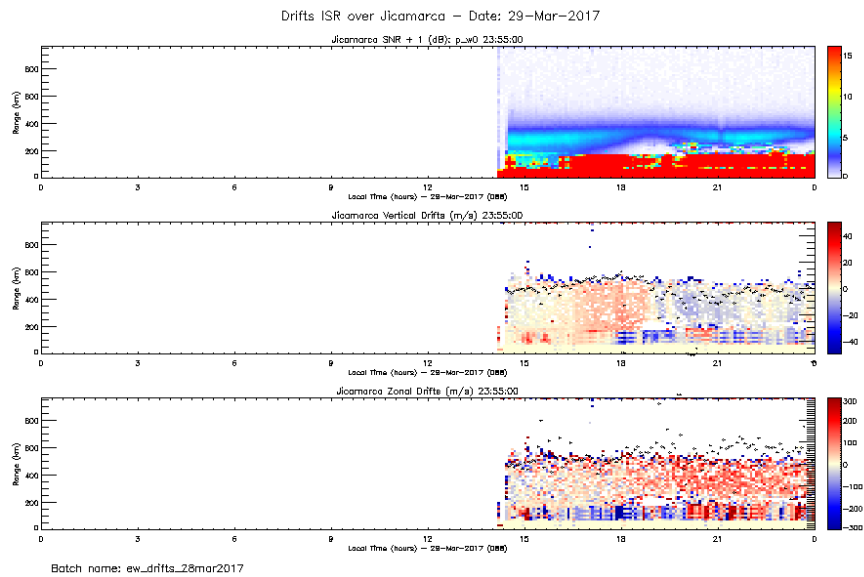


Figure 4. Drifts 2017-03-29.

March, 30:

- _ There is no Spread F.
- _ Problem with transmitter for two minutes at 9 and 12 hours.
- _ Problem with Imaging in specially channel 8 at 18 and 19 hours.
- _ % operation/24h: 97.99.

Log:

- _ 30 Mar 06:52 Imaging is off.
- _ 30 Mar 09:20 and 12:20 Problem with transmitter .
- _ 30 Mar 17:30 Imaging is on.
- _ 30 Mar 18:20 Imaging is off. Problem with channel 8.

Staff in charge

00-08: A. Belleza. 08-20: R. Yanque. 20-24: P. Córdor.

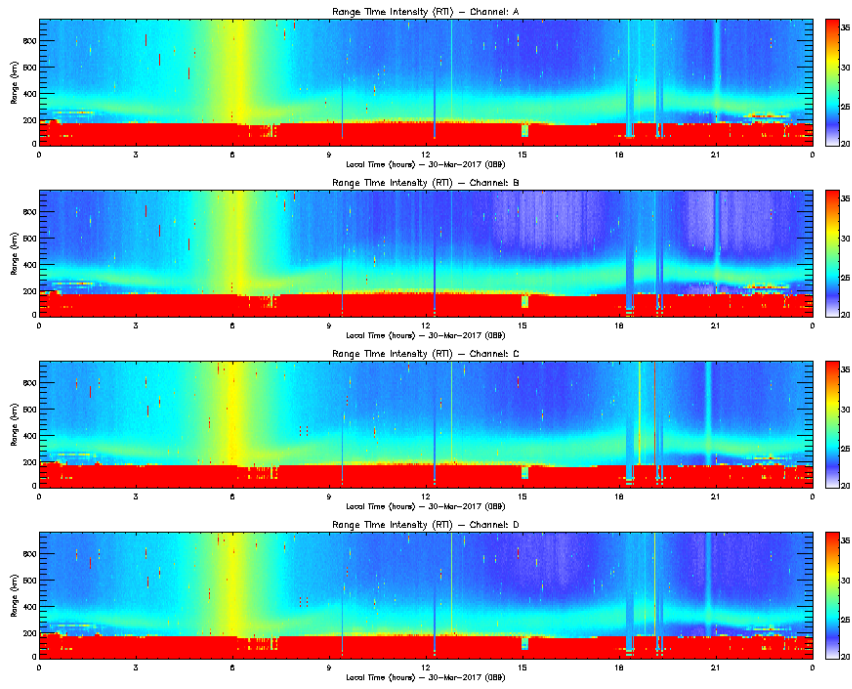


Figure 5. Rti EW_DRIFT 2017-03-30.

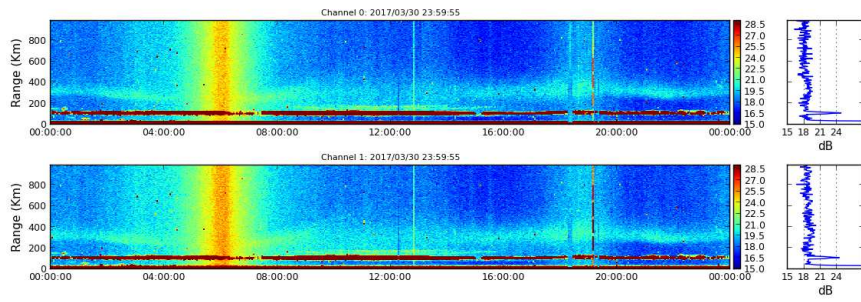


Figure 6. Rti FARADAY 2017-03-30.

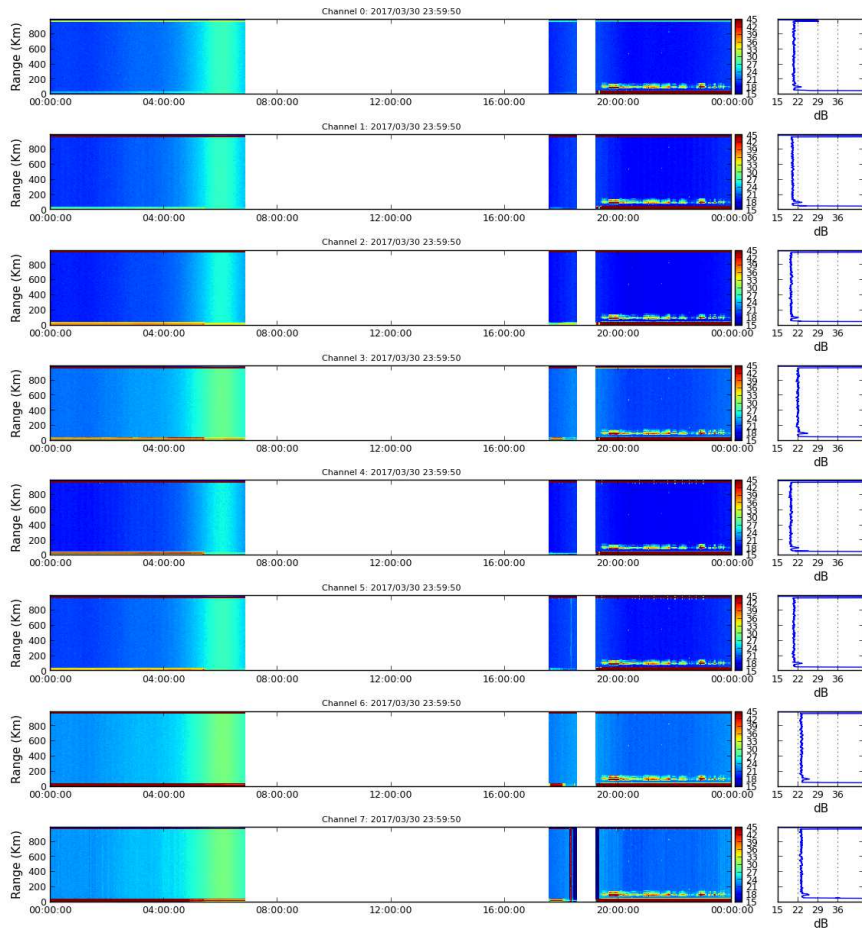


Figure 7. Rti IMAGING 2017-03-30.

Drifts obtained:

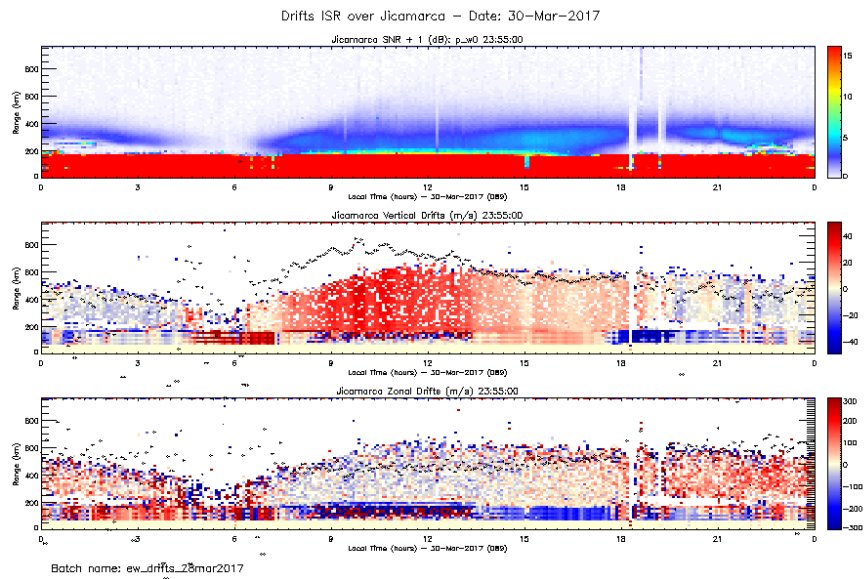


Figure 8. Drifts 2017-03-30.

March, 31:

_ There is no Spread F.

_ % operation/24h: 100.

Log:

_ 31 Mar 06:07 Imaging is off.

_ 31 Mar 18:00 Imaging is on.

Staff in charge:

00-08: P. Córdor. 08-20: K. Kuyeng. 20-24: A. Belleza.

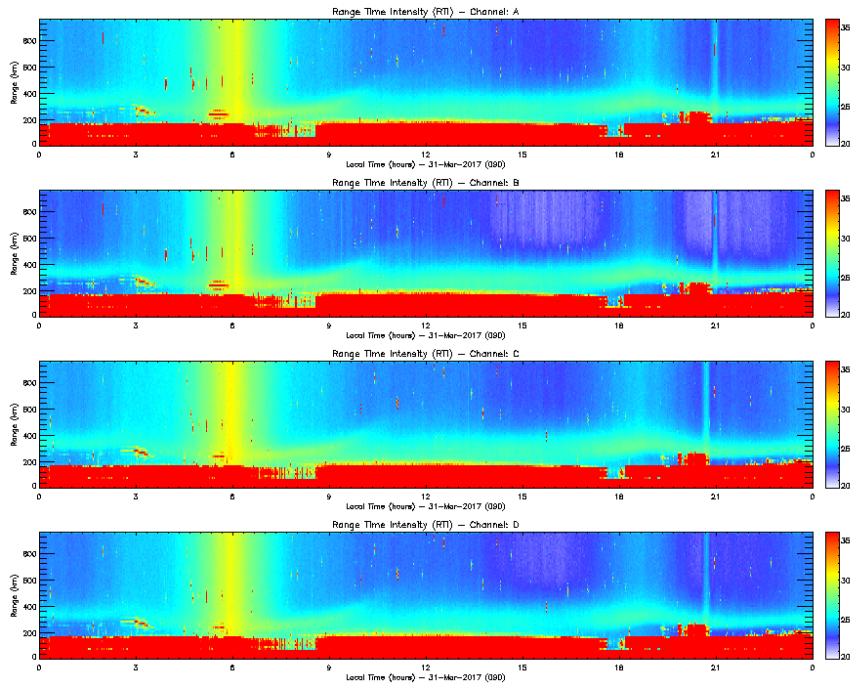


Figure 9. Rti EW_DRIFT 2017-03-31.

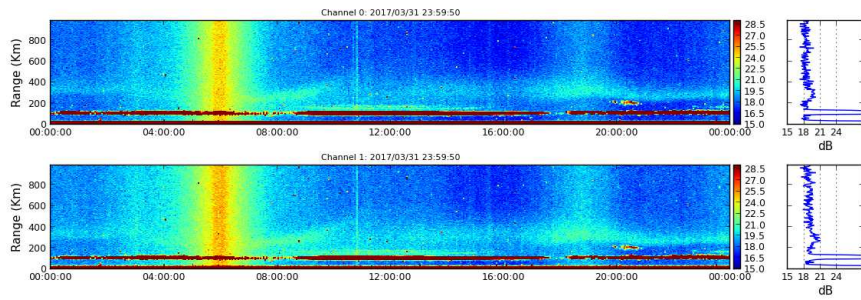


Figure 10. Rti FARADAY 2017-03-31.

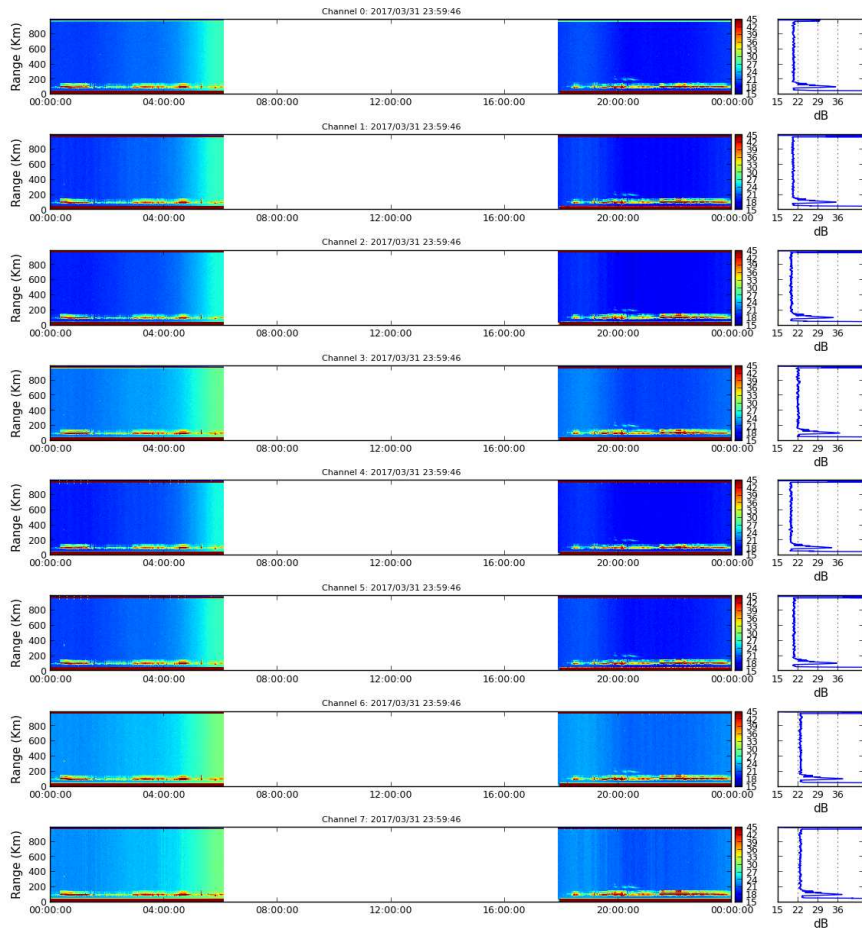


Figure 11. Rti IMAGING 2017-03-31.

Drifts obtained:

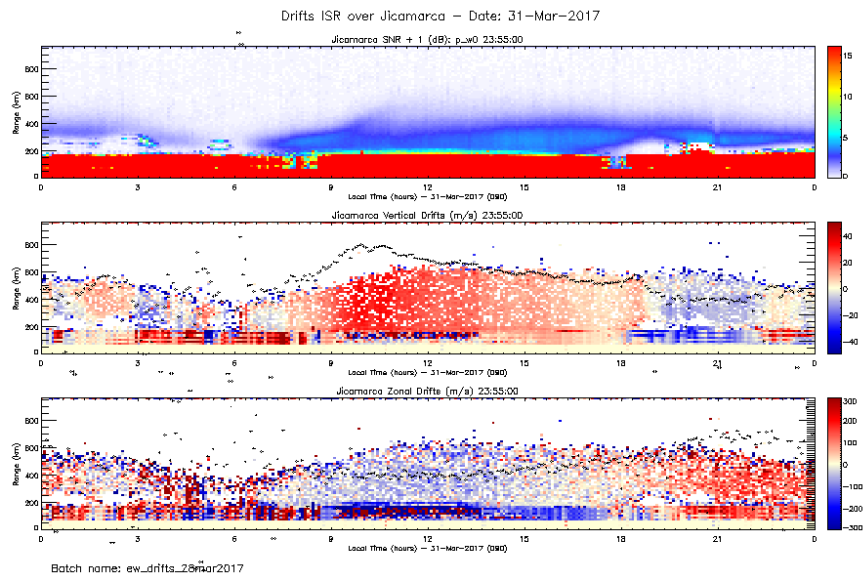


Figure 12. Drifts 2017-03-31.

April, 01:

_ There is no Spread F.

_ End of experiment at 08:00.

Log:

_ 01 Apr 06:10 Imaging is off.

_ 01 Apr 08:05 End of campaign.

_ % operation/24h: 100.

Staff in charge:

00-08: A. Belleza.

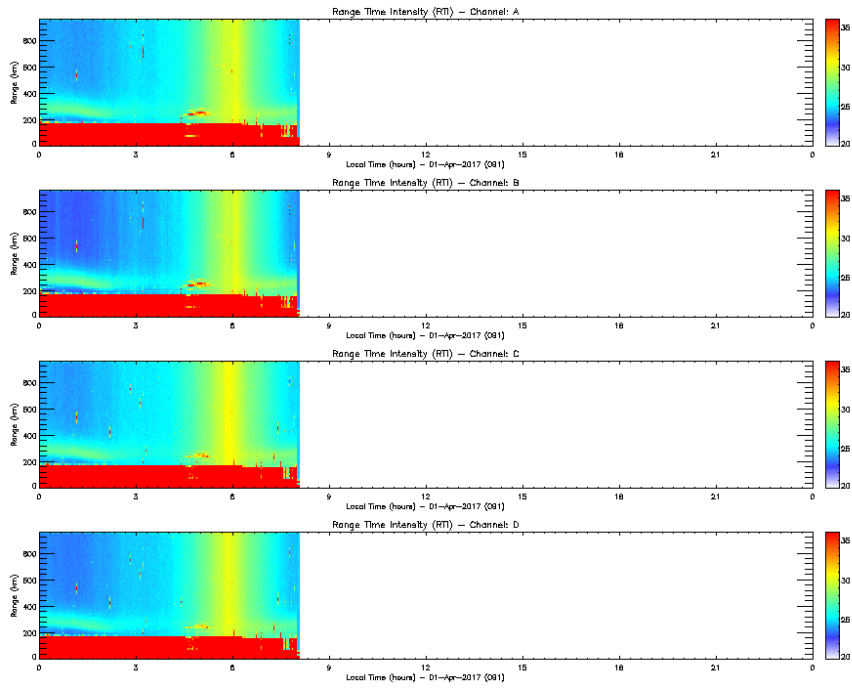


Figure 13. Rti EW_DRIFT 2017-04-01.

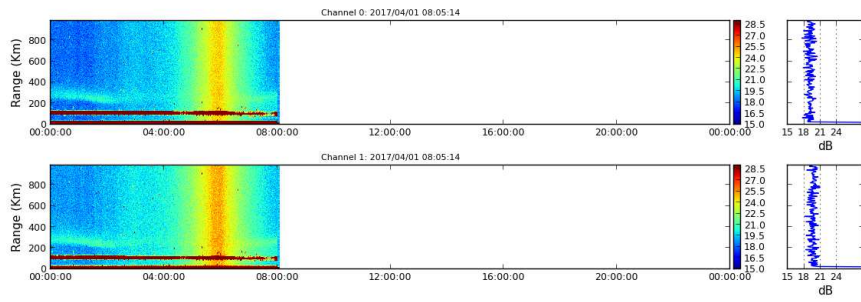


Figure 14. Rti FARADAY 2017-04-01.

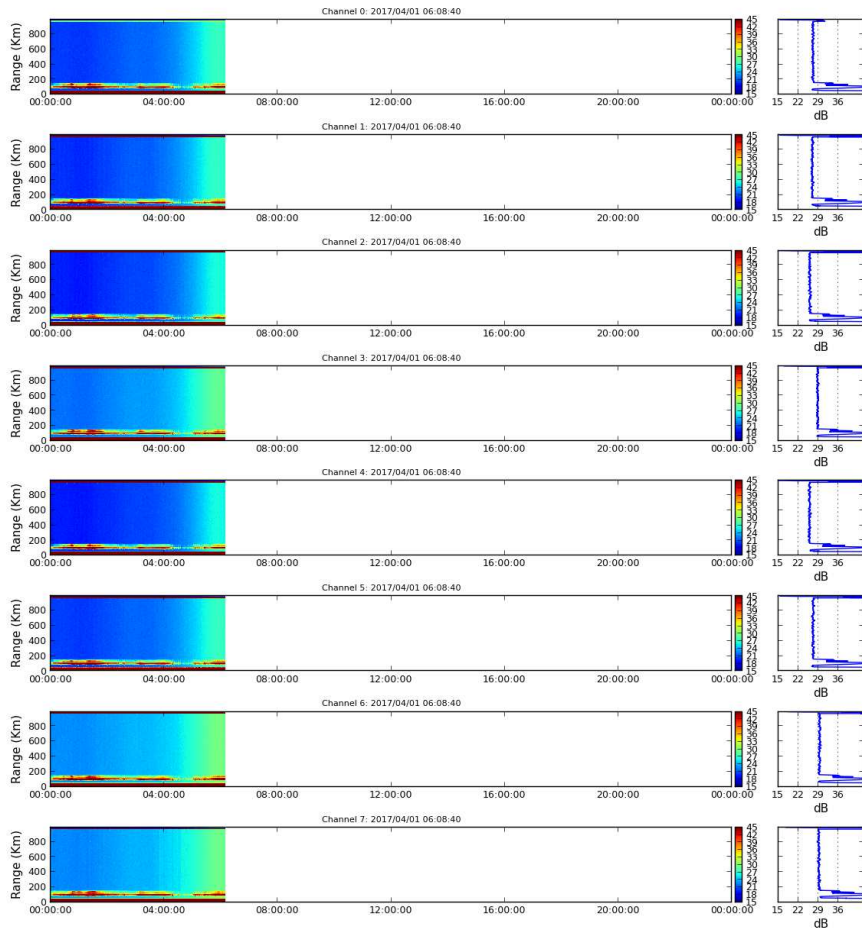


Figure 15. Rti IMAGING 2017-04-01.

Drifts obtained:

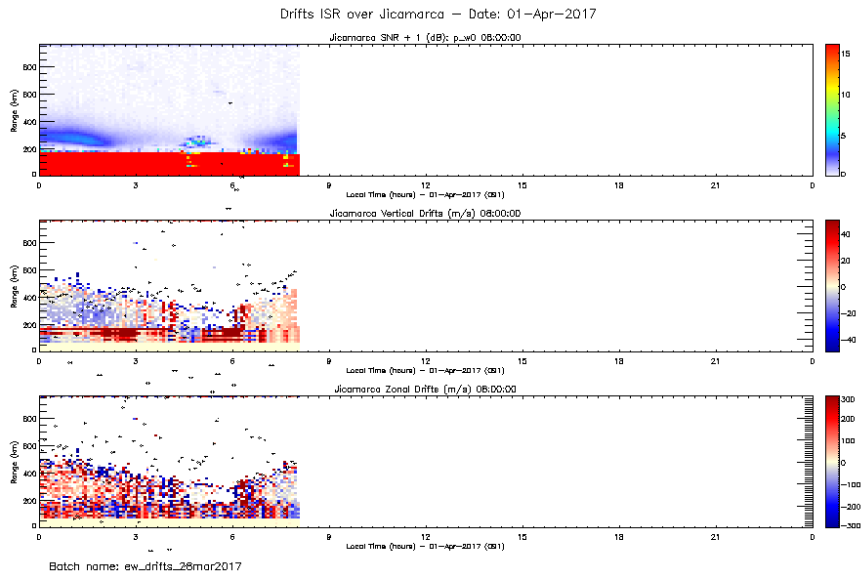


Figure 16. Drifts 2017-04-01.

Annex:

Sky noise for March 29, 2017:

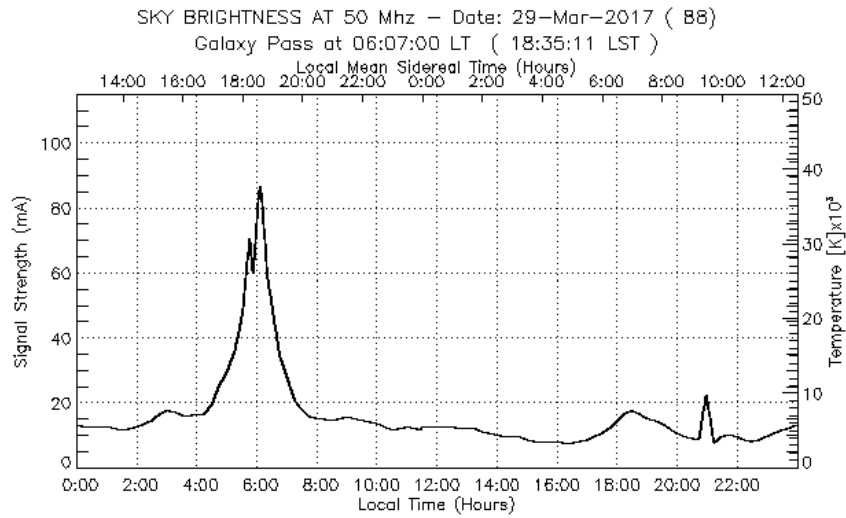
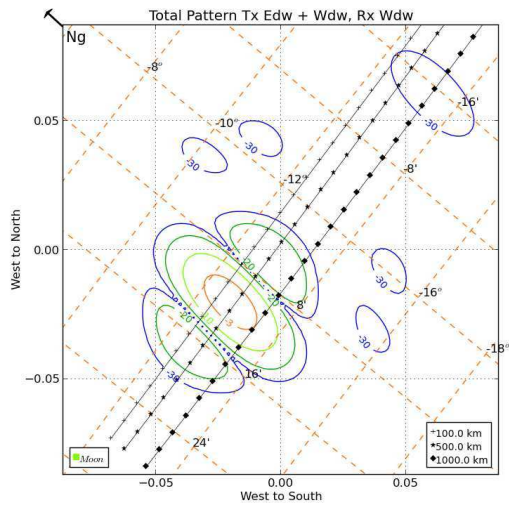
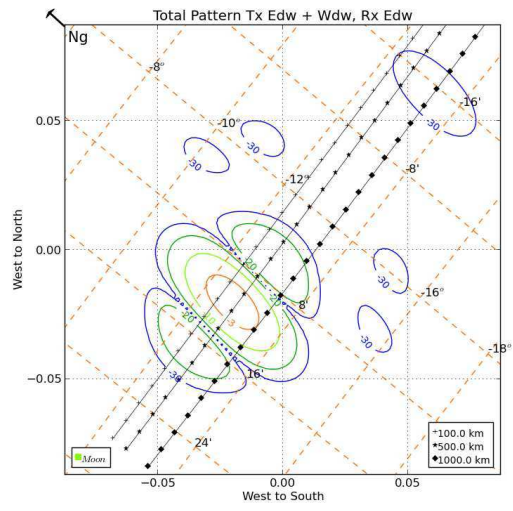


Figure 17. Sky noise.

Antenna pattern

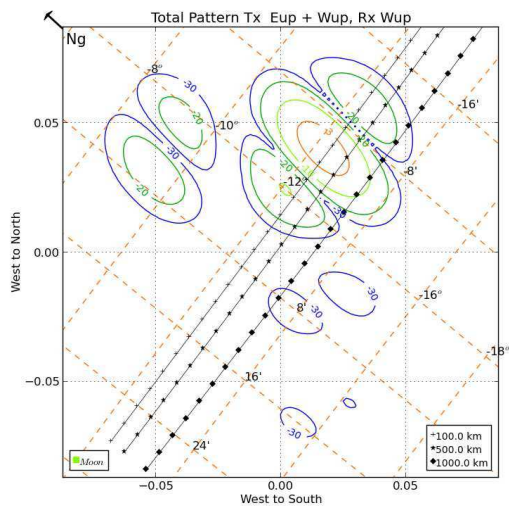


Over Jicamarca: 30-Mar-2017 (089)

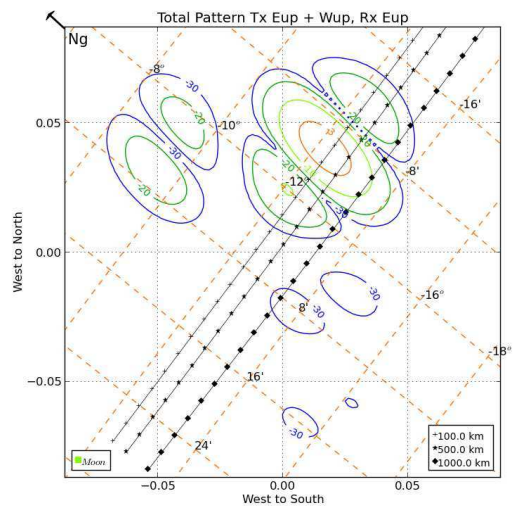


Over Jicamarca: 30-Mar-2017 (089)

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



Over Jicamarca: 30-Mar-2017 (089)



Over Jicamarca: 30-Mar-2017 (089)

Figure 19. EW_Drifts: Ch C and Ch D.

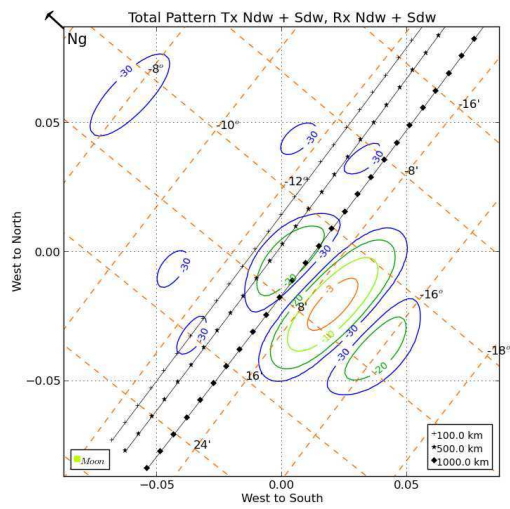
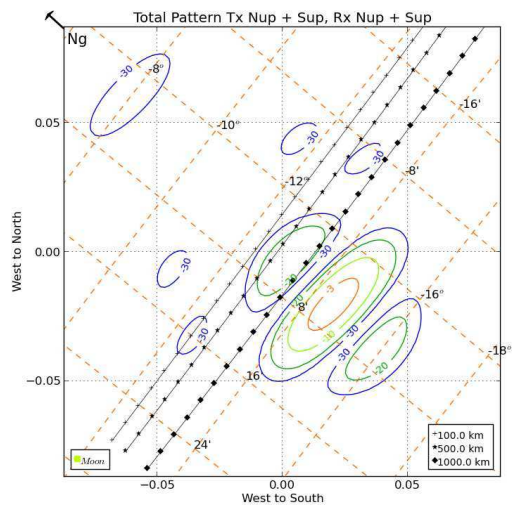


Figure 20. Faraday: Ch A and Ch B.