

MST-ISR-EEJ April 2017 Campaign Report

This is an analysis of RTIs during MST-ISR-EEJ campaign from April 17 to 21, 2017. We show the RTIs and results.

MST-ISR-EEJ:

April, 17:

_ Start the campaign from 18:00 hours.

_ Weak Spread F.

_ % Operation/6h: 100

Log:

_ 17 Apr 18:15 Start campaign.

Staff in charge

08-20: I. Manay. 20-24: A. Belleza.

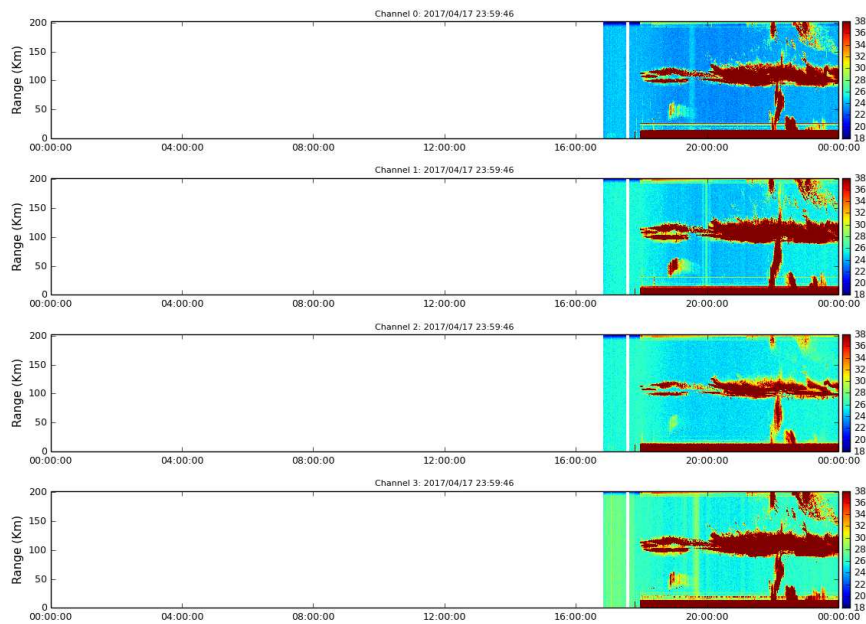


Figure 1.Rti MST 2017-04-17.

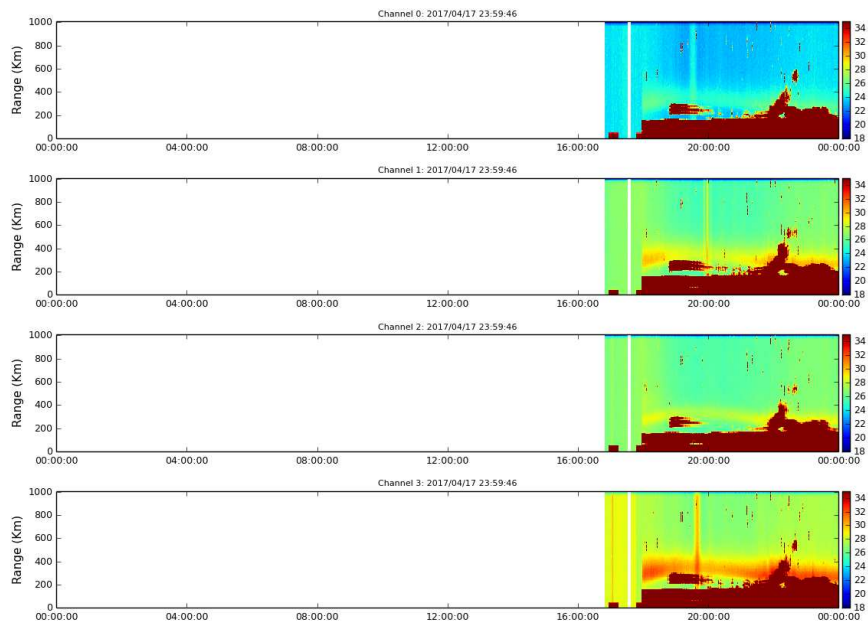


Figure 2. Rti ISR 2017-04-17.

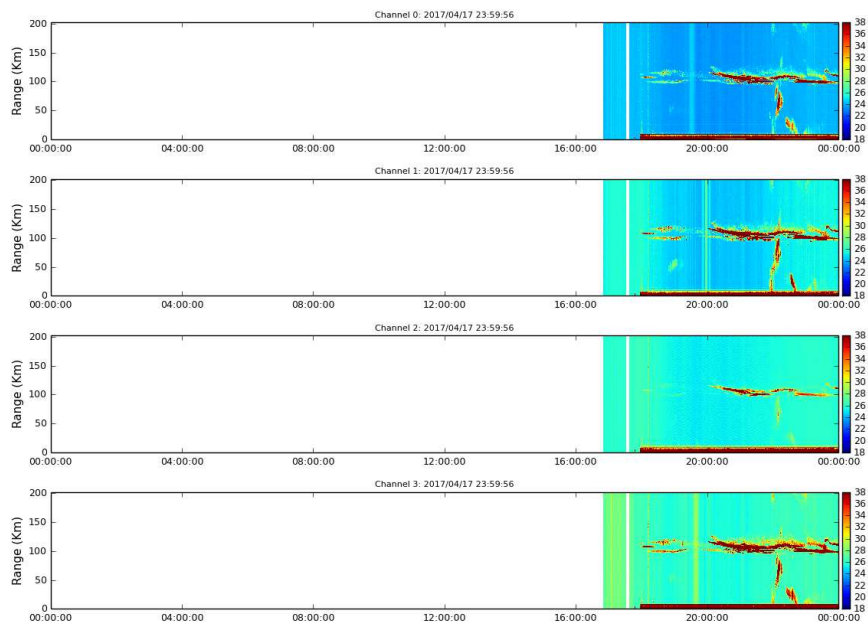


Figure 3. RTI EEJ 2017-04-17.

April, 18:

- _ At 12:05 Changed of length of Us for 30 minutes.
- _ At 17 hours problem with transmitter for 20 minutes.
- _ Weak Spread F from 19 to 23 hours.
- _ % operation/24h: 96.53

Log:

_ 18 Apr 12:05 Change of Us length to its correct value.

Staff in charge:

00-08: A. Belleza. 08-20: K. Kuyeng. 20-24: P. C3ndor.

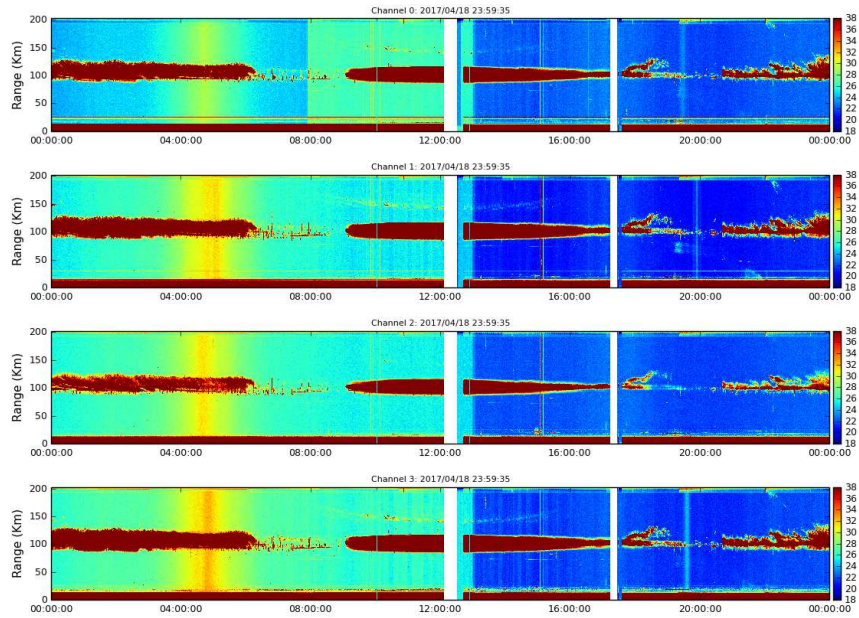


Figure 4. Rti MST 2017-04-18.

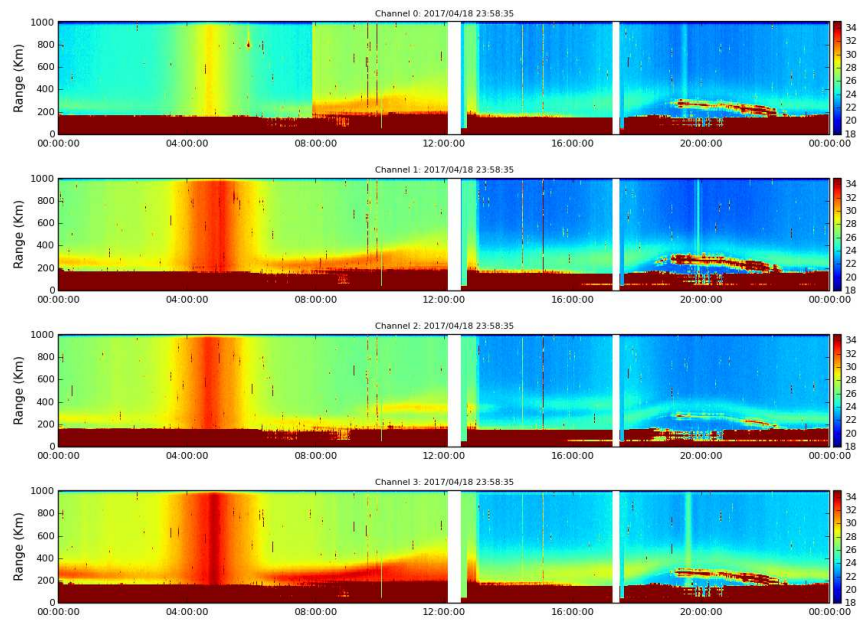


Figure 5. Rti ISR 2017-04-18.

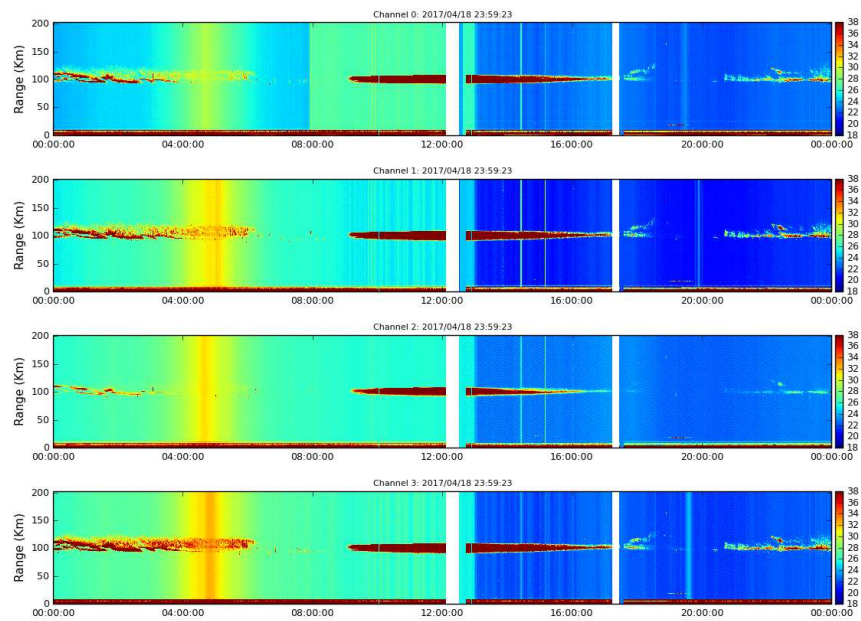


Figure 6. Rti EEJ 2017-04-18.

April, 19:

_ Spread F from 20 to 24 hours.

_ At 00 and 16 hours problem with transmitter and at 05 hours spark gaps was changed.

_ % operation/24h: 97.92

Log:

_ 19 Apr 00:09 Problem with transmitter for a short time.

_ 19 Apr 05:20 Spark gaps is changed.

Staff in charge:

00-08: P. Córdor. 08-20: J. Espinoza. 20-24: I. Manay.

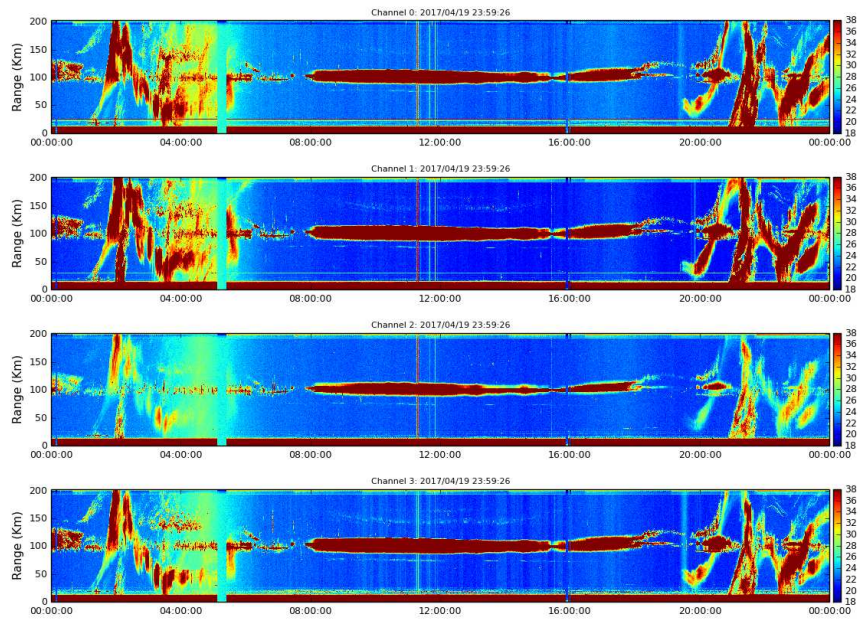


Figure 7. Rti MST 2017-04-19.

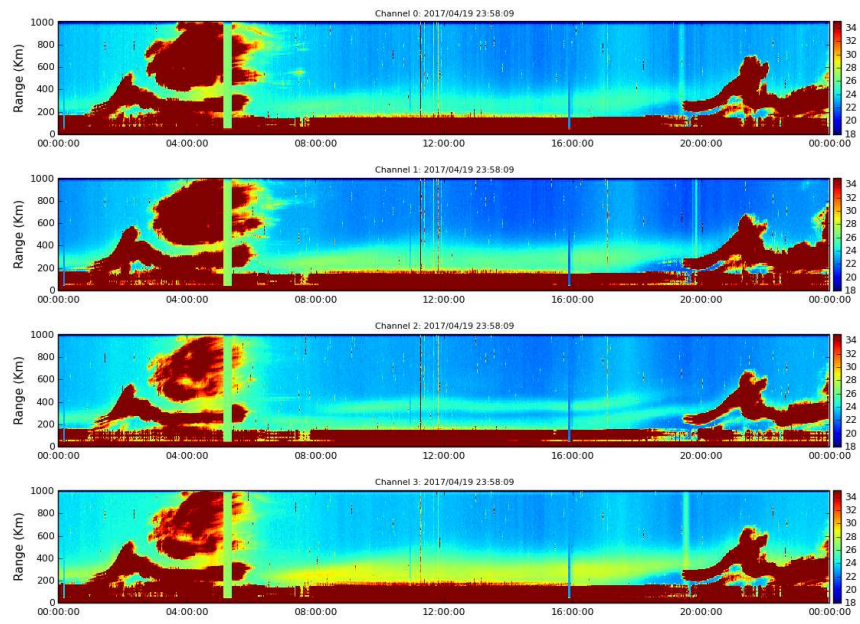


Figure 8. Rti ISR 2017-04-19.

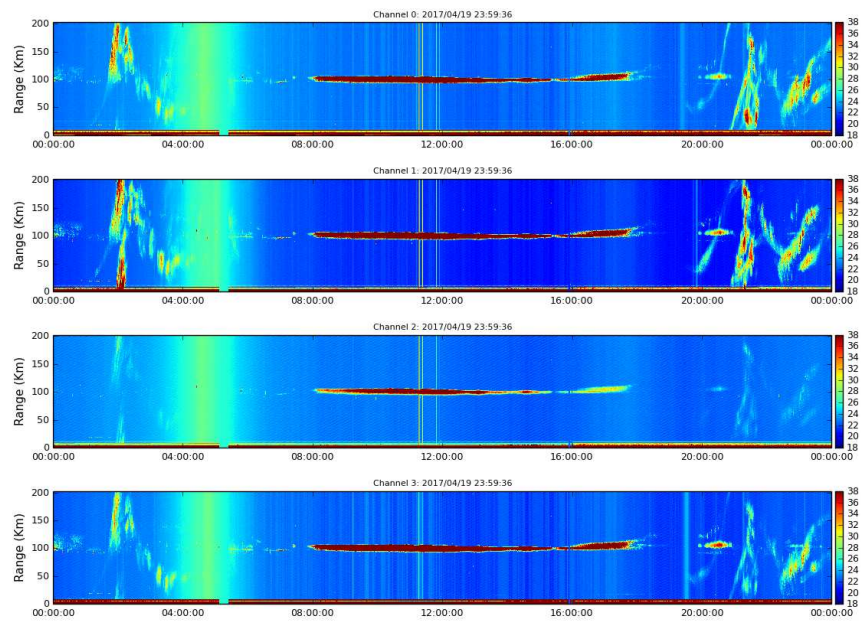


Figure 9. Rti EEJ 2017-04-19.

April, 20:

- _ At 04 hours change of noise levels.
- _ Spread F from 19:00 to 24 hours.
- _ % operation/24h: 99.65.

Log:

- _ 20 Apr 04:05 Disk is changed and a improved digital fliter was set up.
- _ 20 Apr 08:14 Increase gain in all the channels for 2 db due to change of filter in JARS.

Staff in charge:

00-08: I. Manay. 08-20: R. Yanque. 20-24: P. Condor.

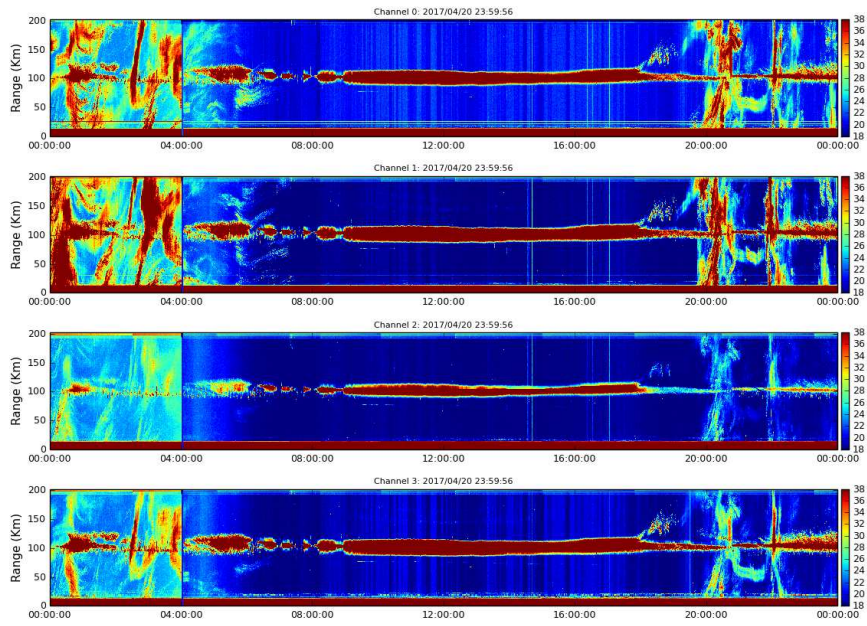


Figure 10. Rti MST 2017-04-20.

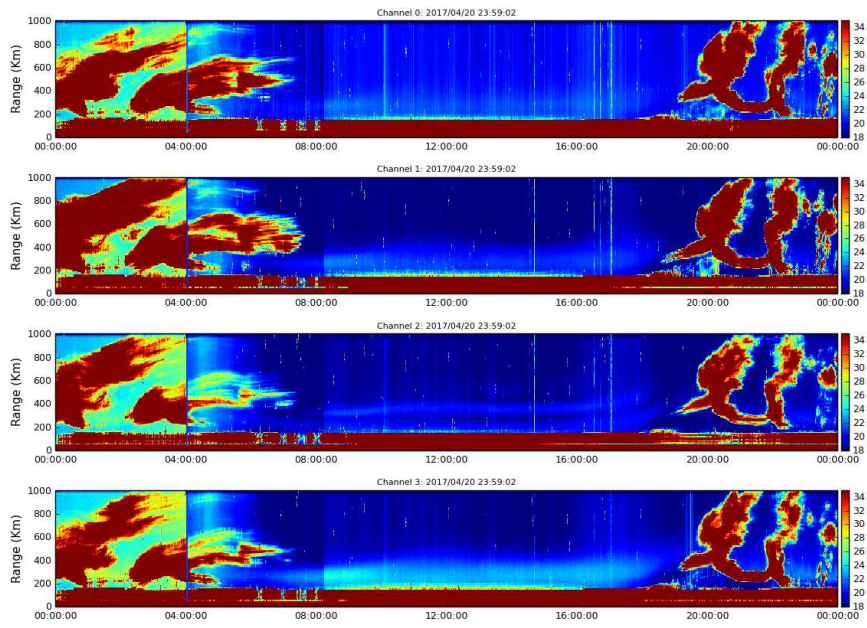


Figure 11. Rti ISR 2017-04-20.

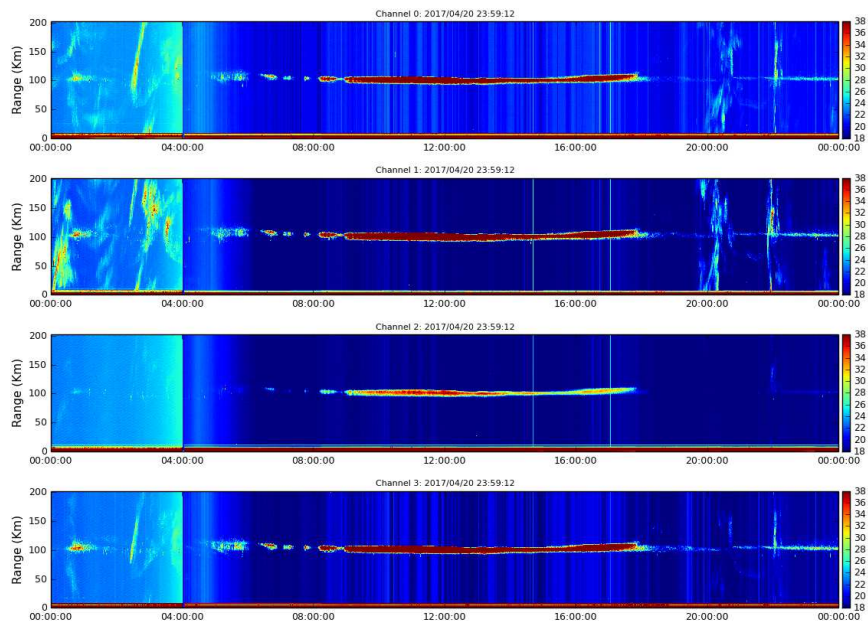


Figure 12. Rti EEJ 2017-04-20.

April, 21:

_ End of campaign at 08 hours.

_ Spread F end at 01:00 hours.

_ % operation/08h: 100.

Log:

_ 21 Apr 08:00 End of Campaign.

Staff in charge:

00-08: P. Condor.

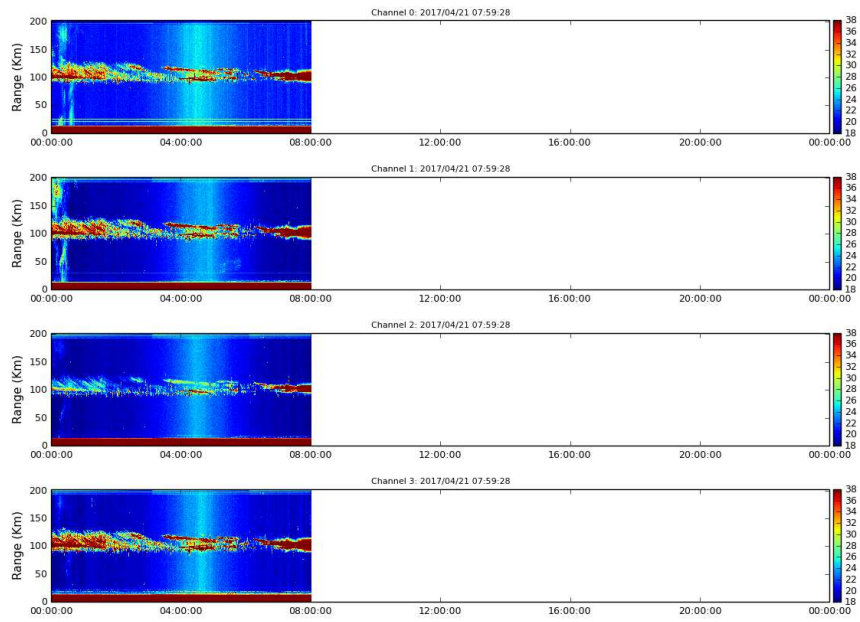


Figure 13. Rti MST 2017-04-21.

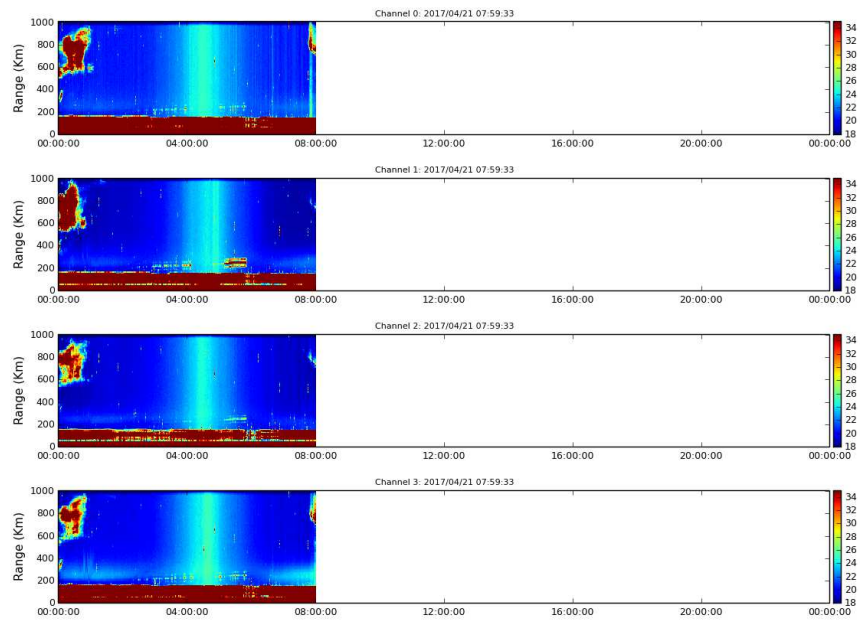


Figure 14. Rti ISR 2017-04-21.

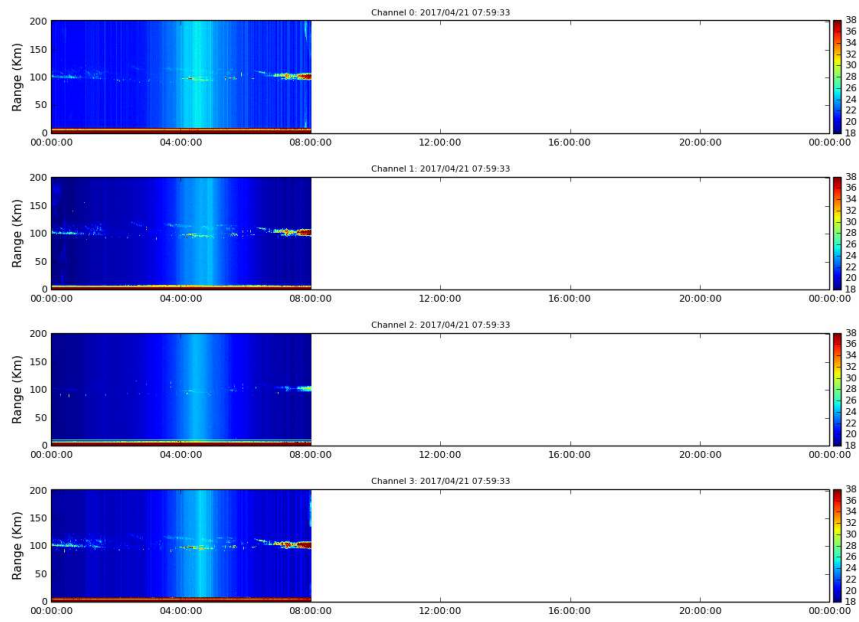


Figure 15. Rti EEJ 2017-04-21.

Annex:

Sky noise for April 17, 2017:

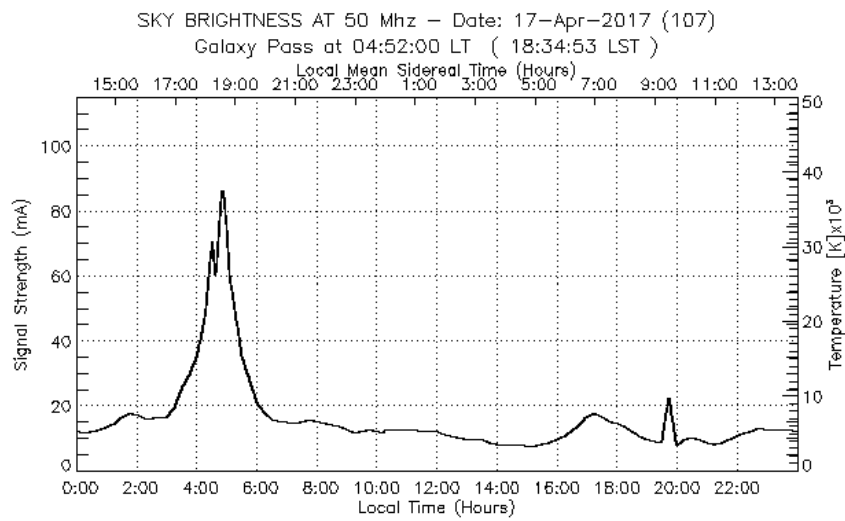
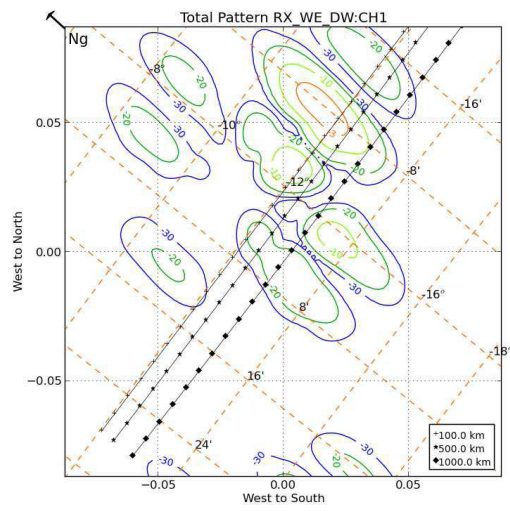
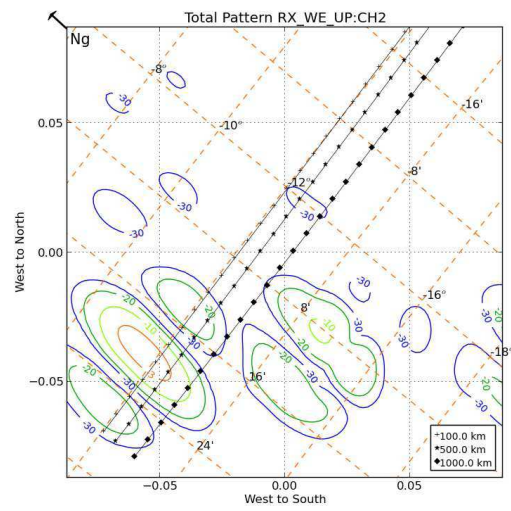


Figure 16. Sky noise.

Antenna pattern

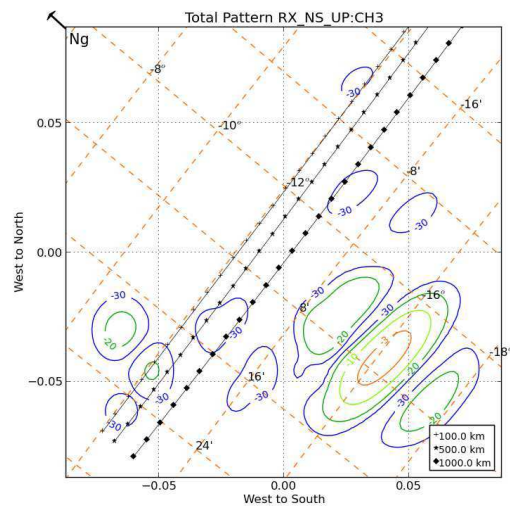


Over Jicamarca: 29-Sep-2015 (272)

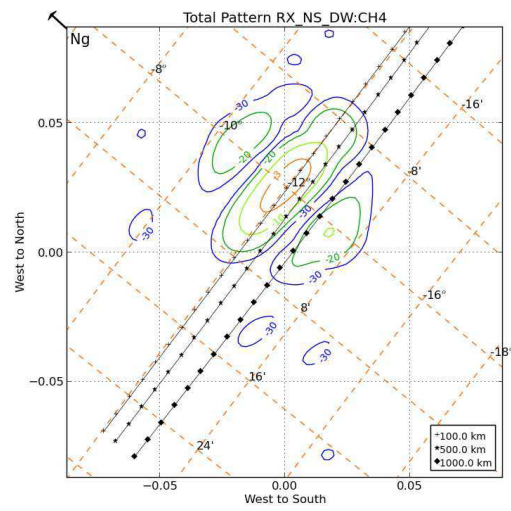


Over Jicamarca: 29-Sep-2015 (272)

Figure 17. Antennas pattern, Ch 1 and Ch 2.



Over Jicamarca: 29-Sep-2015 (272)



Over Jicamarca: 29-Sep-2015 (272)

Figure 18. Antennas pattern, Ch 3 and Ch 4.