

EW_Drifts-Imaging-Medium Power June 2018 Campaign Report

This is an analysis of RTIs during EW_Drifts-Imaging-Medium Power campaign from June 12 to 14, 2018.
We show the RTIs and results.

EW_DRIFT -IMAGING:

June, 12:

- _ Start the campaign from 08:00 hours.
- _ There is no Spread F.
- _ There is no data at 10 and 15 hours for some minutes.
- _ % Operation/16h: 94.79

Log:

- _ 12 Jun 08:00 Start campaign.
- _ 12 Jun 10:00 Increase of noise levels of A, B and C channels.
- _ 12 Jun 10:40 Many test due to noise increment as transmitter were off, connections were adjusted and acquisition system was restarted.
- _ 12 Jun 11:31 JARS JULIA was exchanged by JULIA_IMAGING.
- _ 12 Jun 16:14 JARS_JULIA is back.

Staff in charge

08-20: I. Manay. 20-24: P. C ndor.

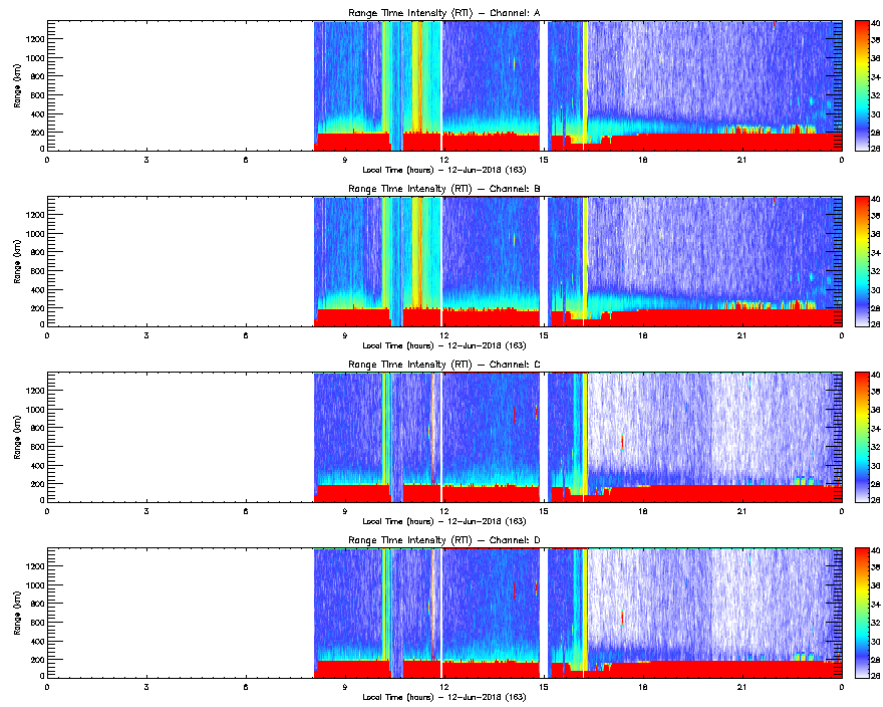


Figure 1.Rti EW_DRIFT 2018-06-12.

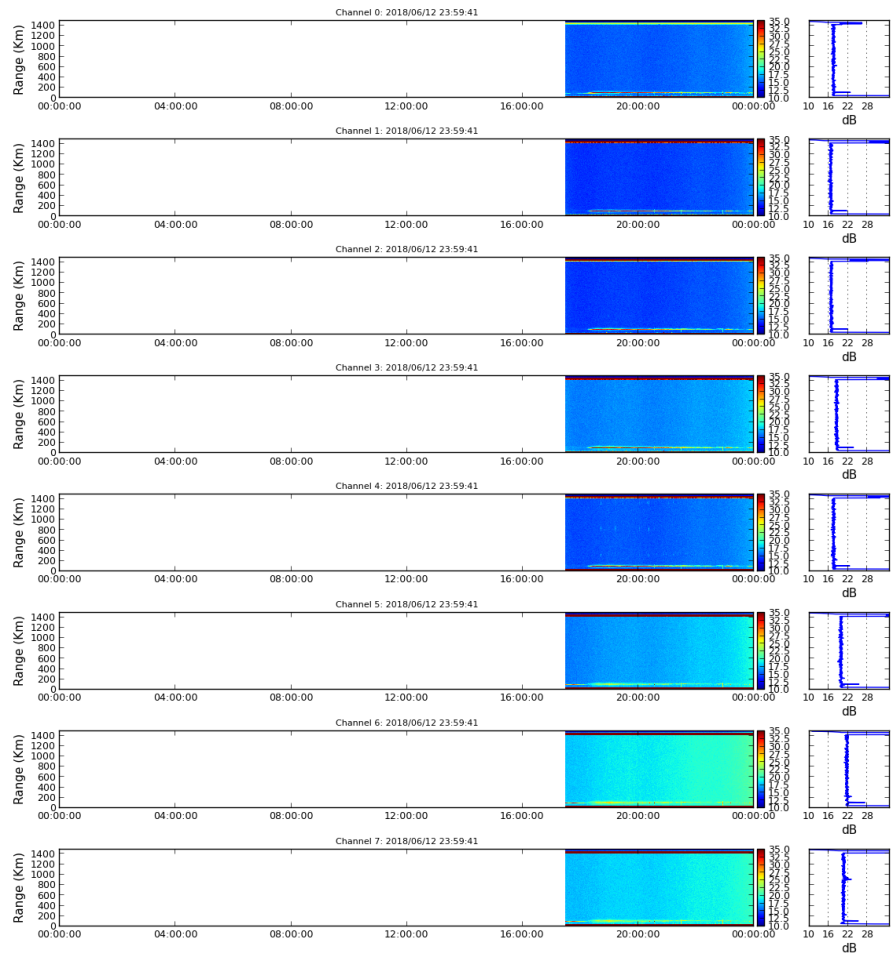


Figure 2. RTI IMAGING 2018-06-12.

Drifts obtained:

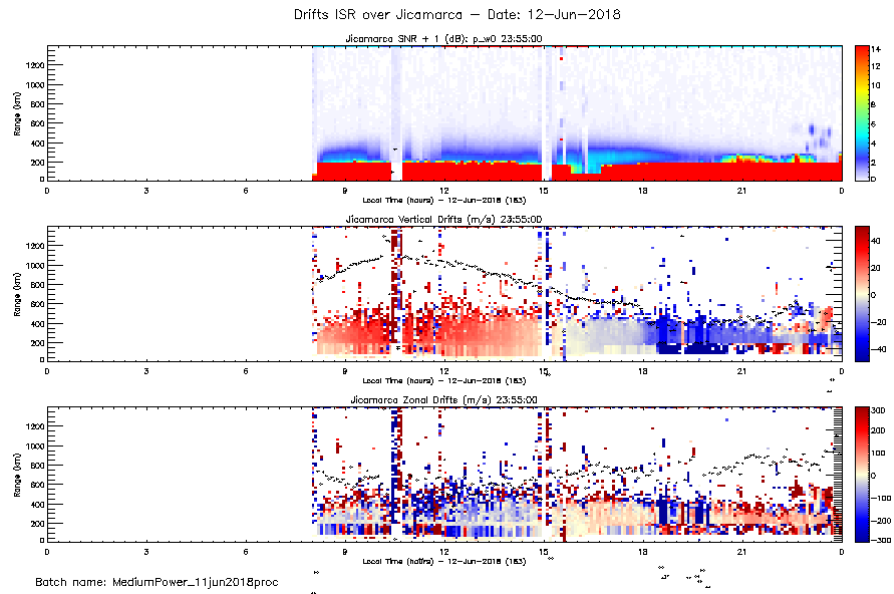


Figure 3. Drifts 2018-06-12.

Jun, 13:

_ Spread F from 03 to 06 hours.

_ % operation/24h: 100.00.

Log:

_ 13 Jun 06:23 Imaging off.

_ 13 Jun 17:25 Start Imaging.

_ 13 Jun 18:30 Digisonde was stopped.

Staff in charge

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

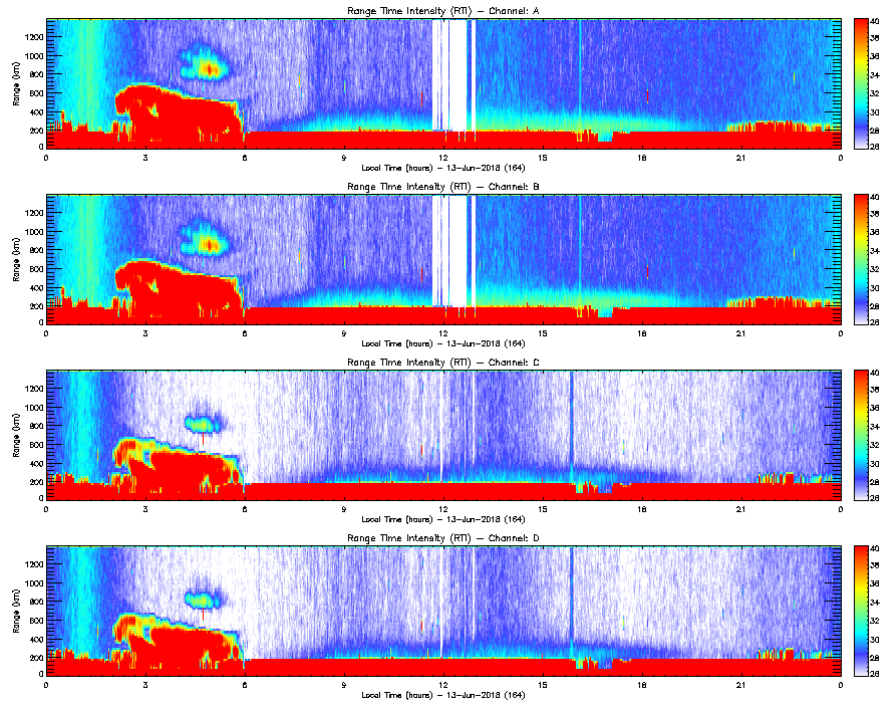


Figure 4. Rti EW_DRIFT 2018-06-13.

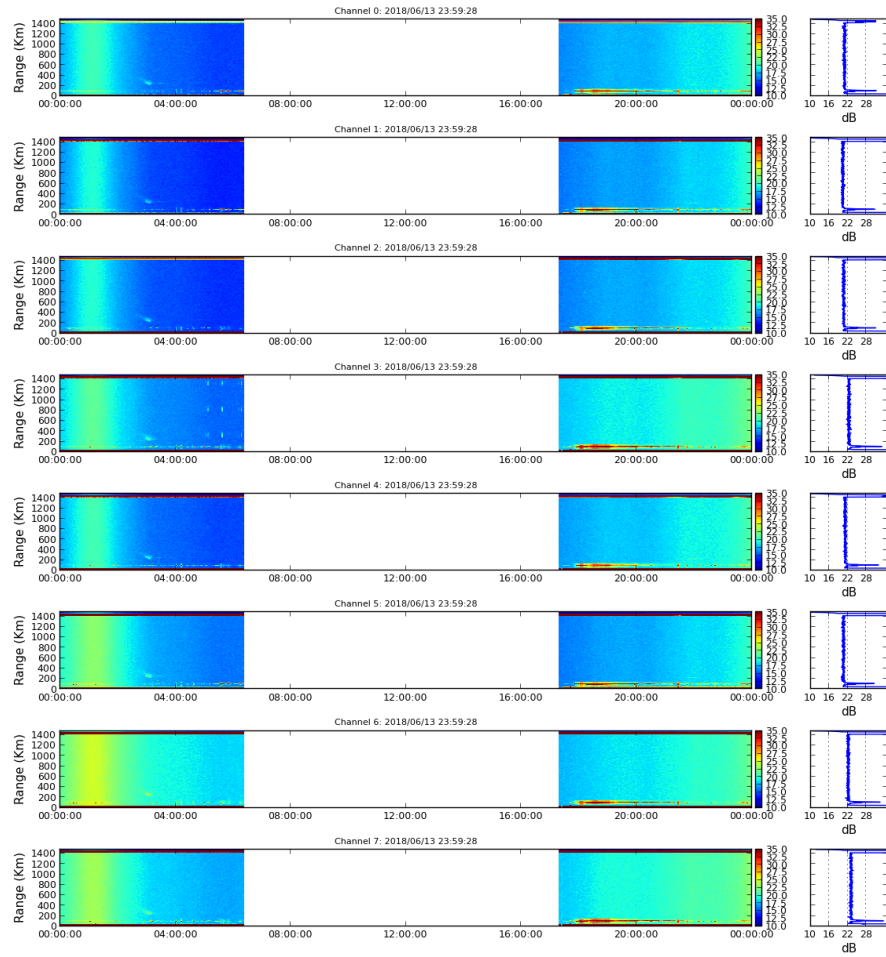


Figure 5. Rti IMAGING 2018-06-13.

Drifts obtained:

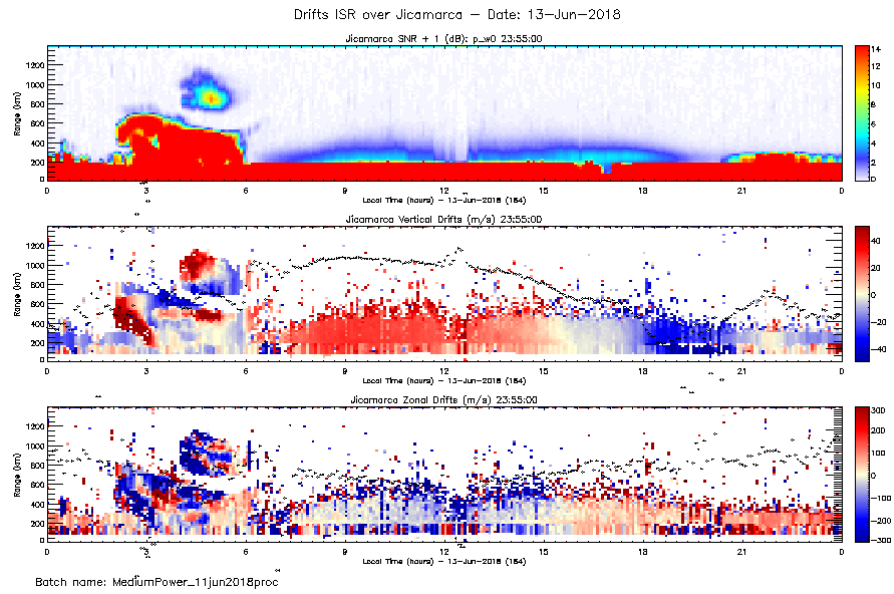


Figure 6. Drifts 2018-06-13.

June, 14:

_ End of campaign.

_ % operation/08h: 100.

Log:

_ 14 Jun 06:30 Imaging off.

_ 14 Jun 08:00 End of Campaign.

Staff in charge:

00:08: I. Manay.

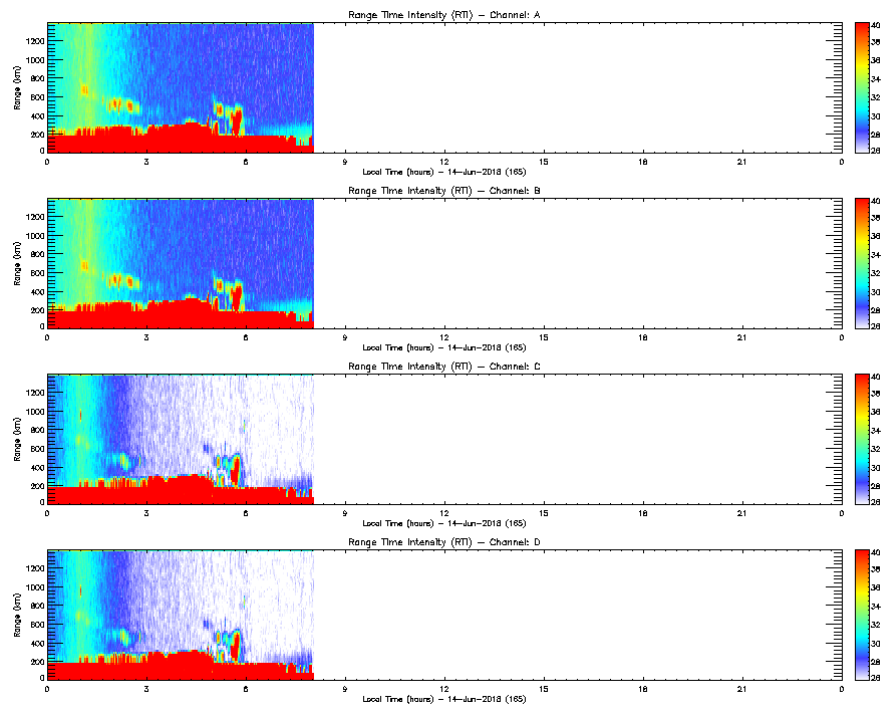


Figure 7. Rti EW_DRIFT 2018-06-14.

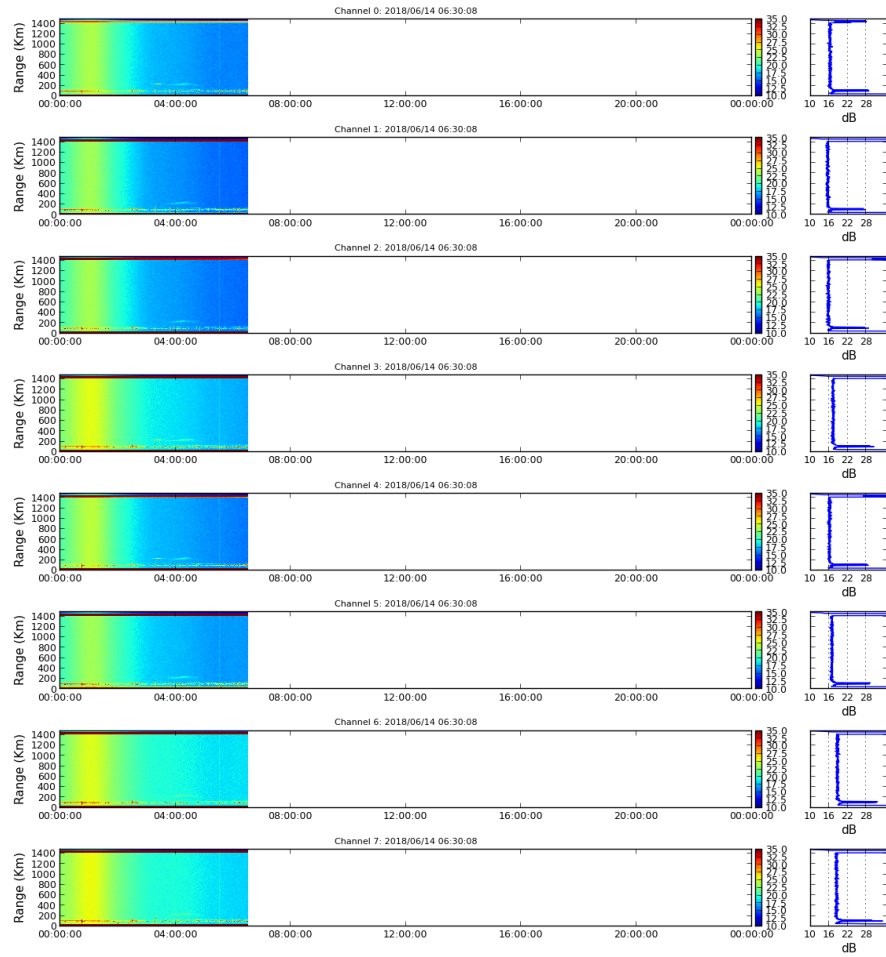


Figure 8. Rti IMAGING 2018-06-14.

Drifts obtained:

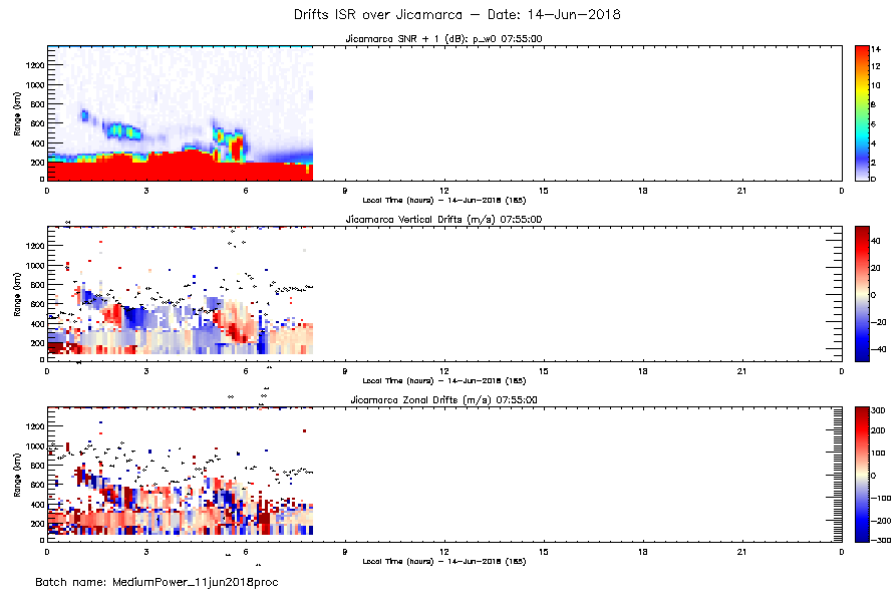


Figure 9. Drifts 2018-06-14.

Annex:

Sky noise for June 12, 2018:

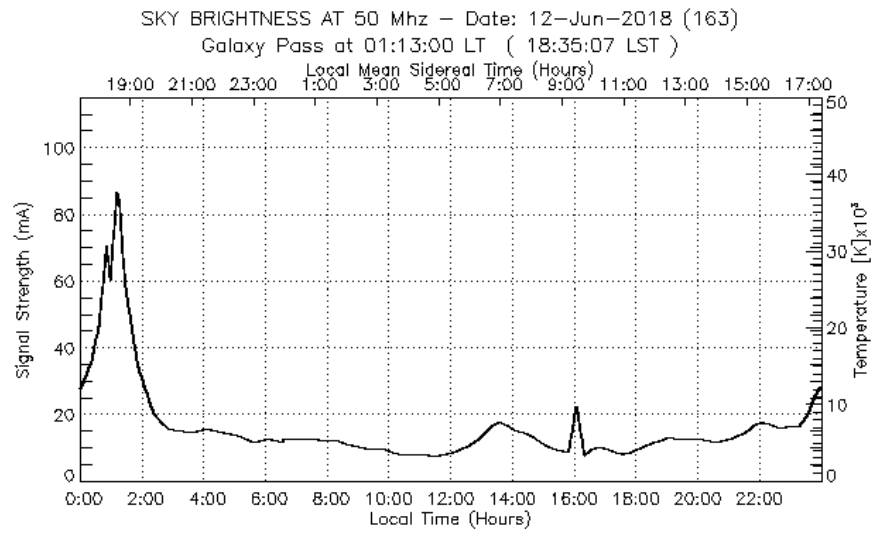
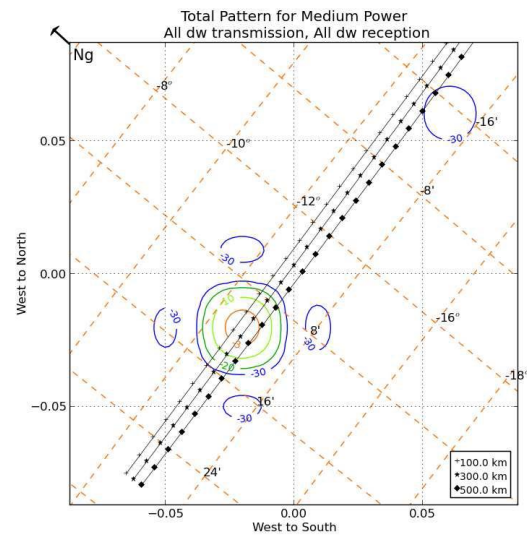


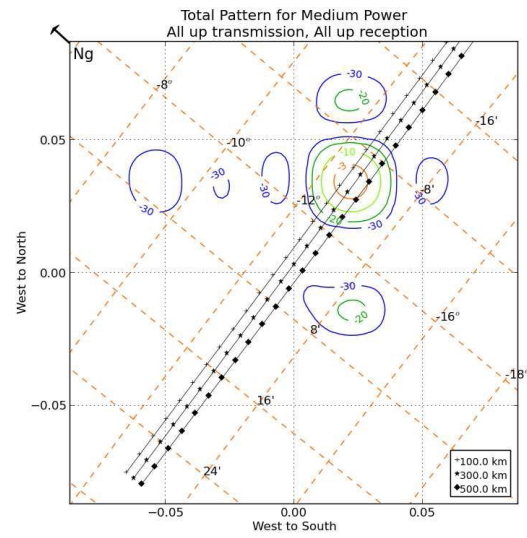
Figure 10. Sky noise.

Antenna pattern



Over Jicamarca: 13-Jun-2018 (164)

Figure 11. Antennas pattern EW_Drifts: Ch A and B.



Over Jicamarca: 13-Jun-2018 (164)

Figure 12. EW_Drifts: Ch C and Ch D.