

# Update on the Virgo A observations



F.de Gasperin - E.Orrù - R.Pizzo - C.Ferrari - F.Batejat  
**a working case**

# The A-Team

Cygnus A (radio galaxy)

Cassiopeia A (supernova remnant)

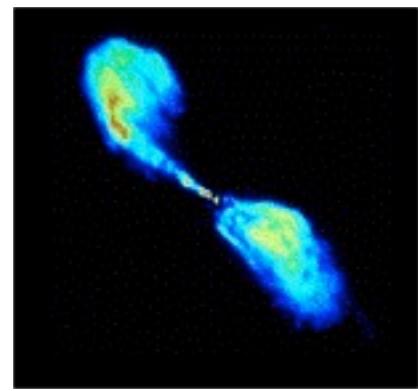
Taurus A or crab nebula (supernova remnant)

Hercules A (radio galaxy)

Centaurus A (radio galaxy)

Virgo A (giant elliptical radio galaxy)

Cen A



# The A-Team

Cygnus A (radio galaxy)

Cassiopeia A (supernova remnant)

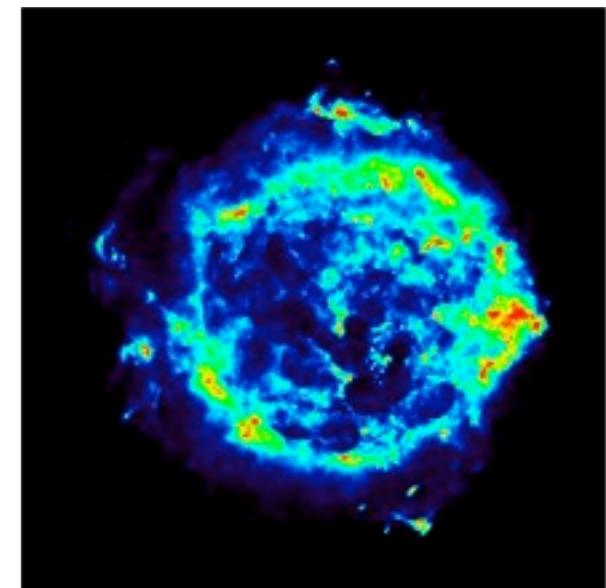
Taurus A or crab nebula (supernova remnant)

Hercules A (radio galaxy)

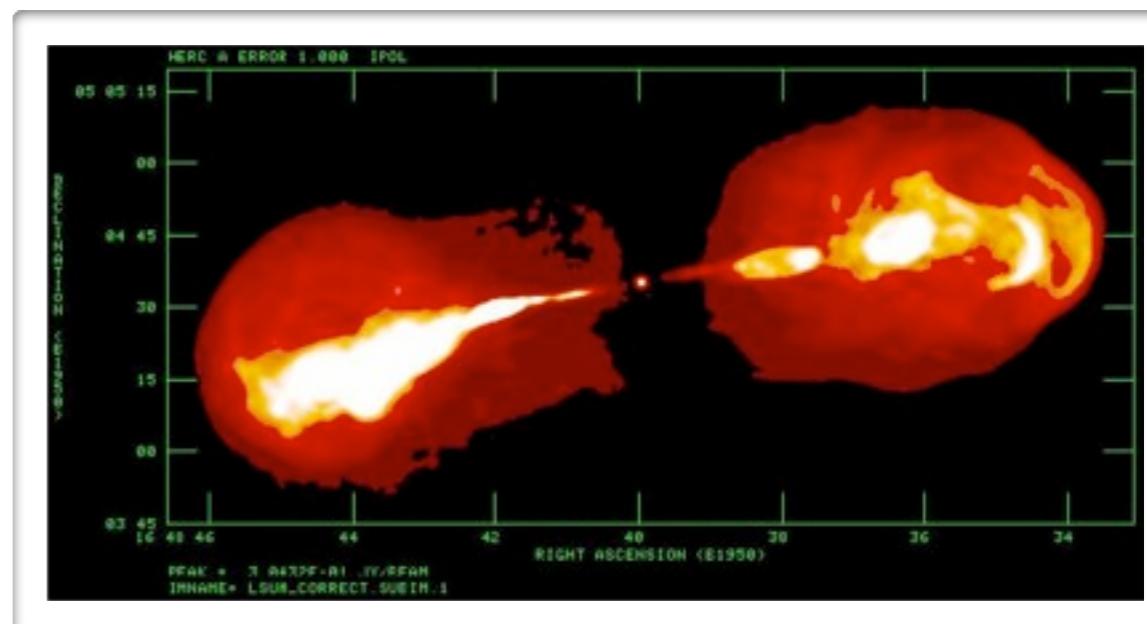
Centaurus A (radio galaxy)

Virgo A (giant elliptical radio galaxy)

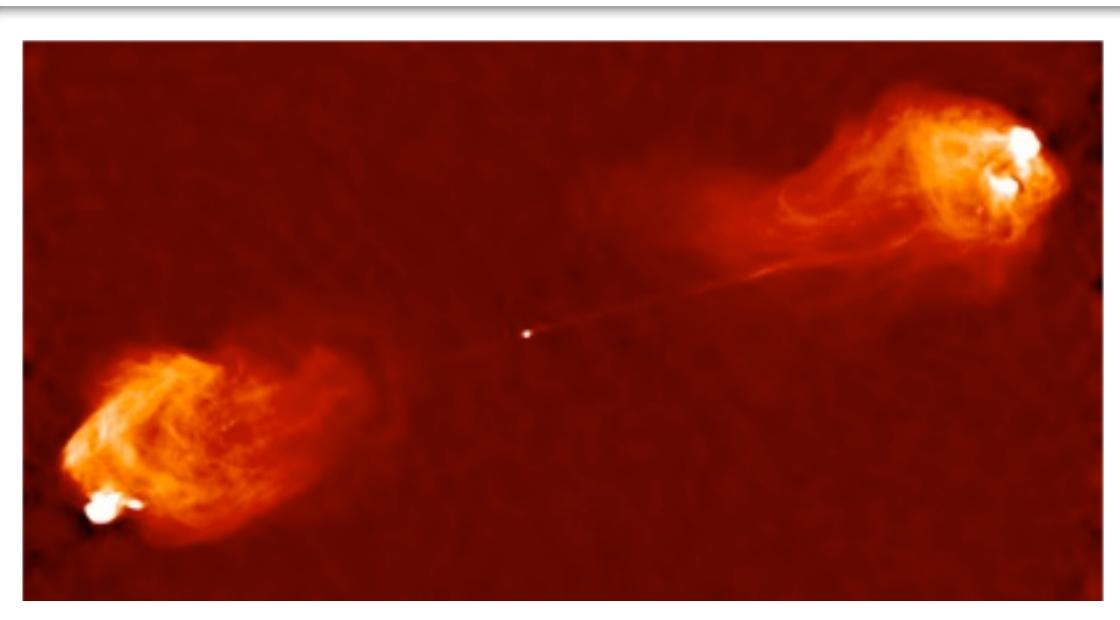
Cas A



Her A



Tau A



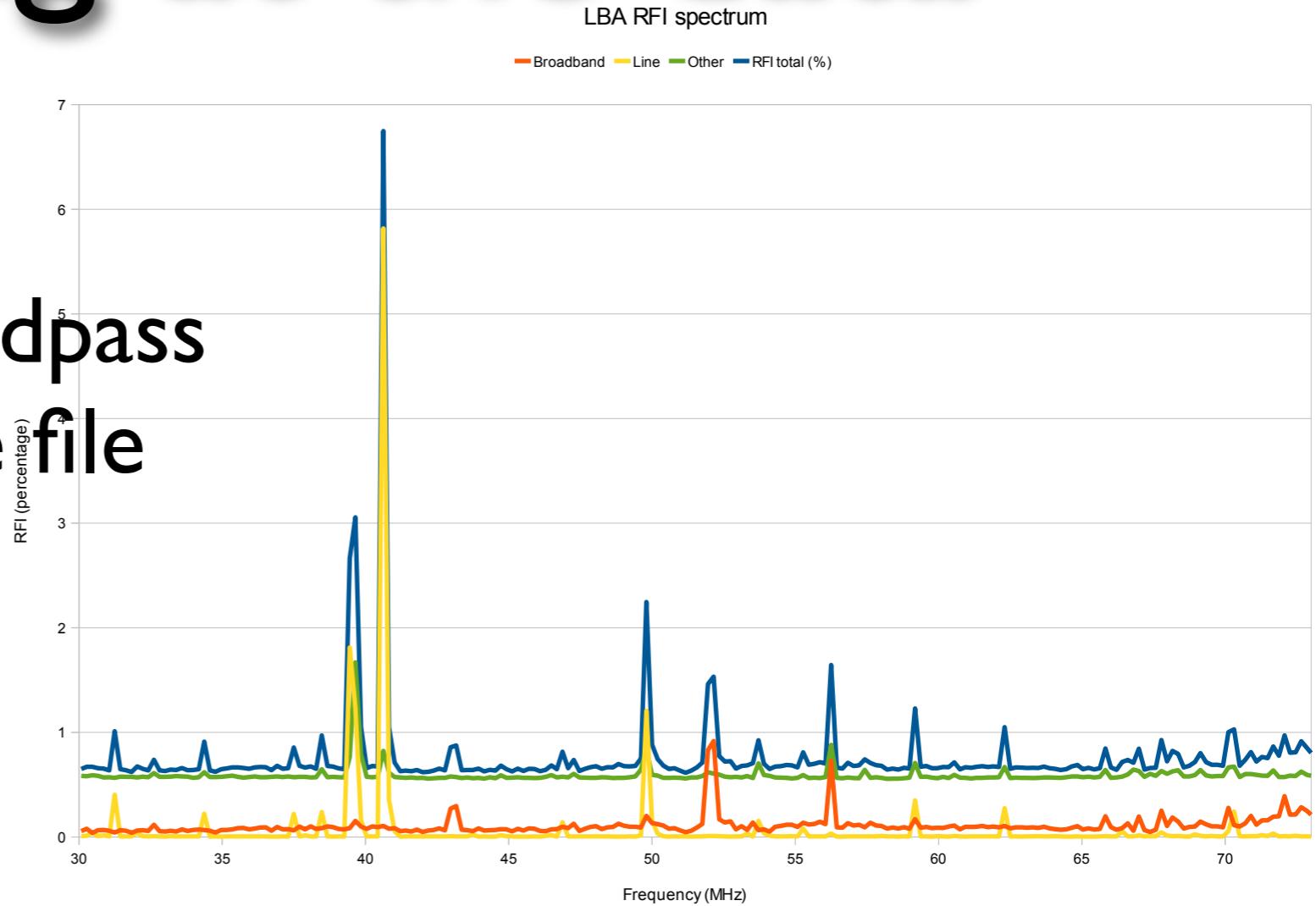
Cyg A

# Virgo A



# Looking at the data

- Look at RFI plots
- Look the global bandpass
- `msinfo.py` of the file



Summary of UV data for ms/L22121\_SB036\_uv.MS.dppp/

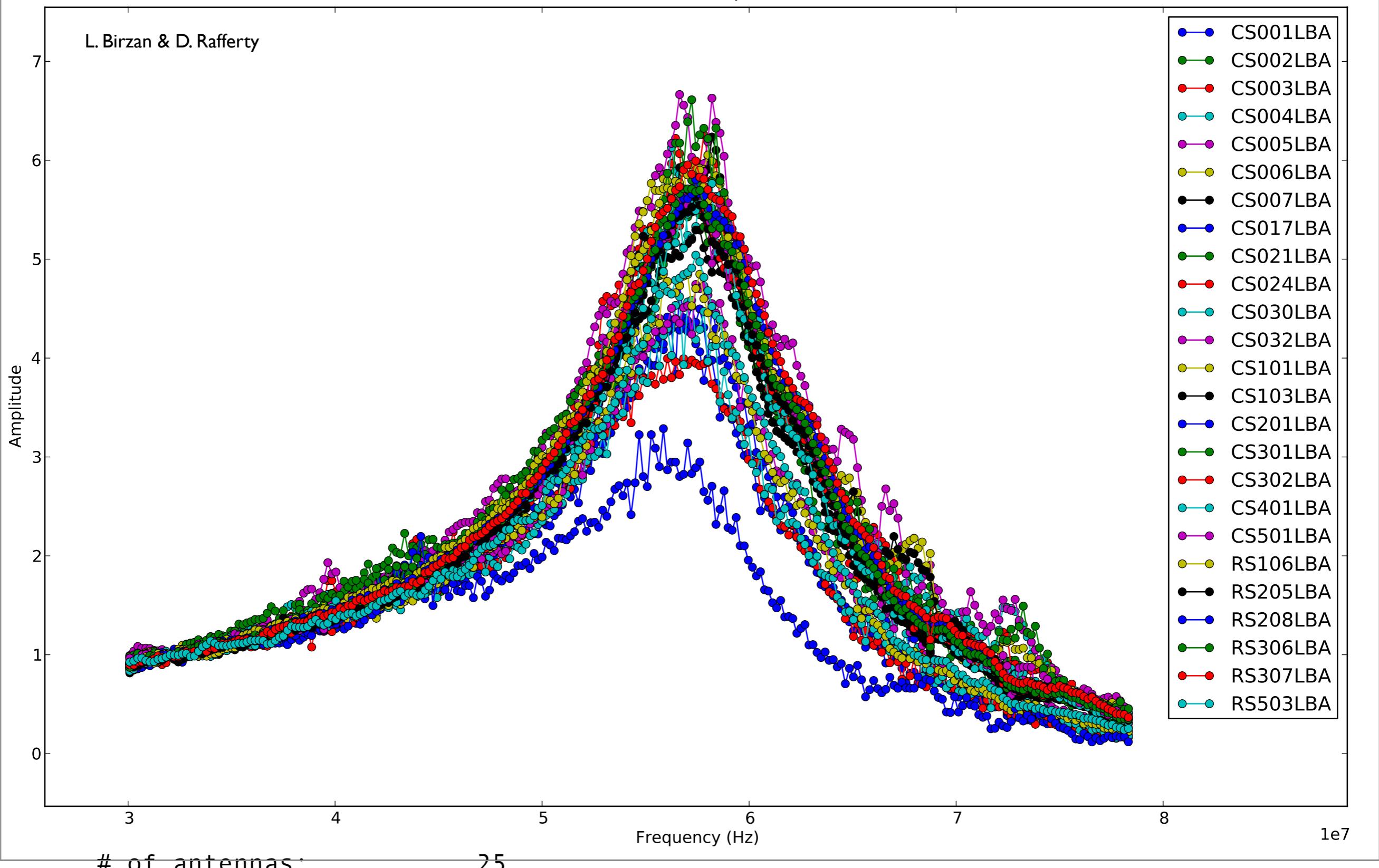
# of visibilities:	1743625
# of flagged vis.:	212167
Phase center:	+12:30:49.4, +12:23:28.0
Frequency range (MHz):	58.307 -- 58.490
Wavelength range (m):	5.134 -- 5.118
Observation time span:	2010-12-28T04:53:00 -- 2010-12-28T06:23:00
Duration (hrs):	1.50
time bin / integration:	1.00663
# of channels:	1
channel width (KHz):	183.1
# of polarizations:	4
# of antennas:	25

# Looking at the data

LBA RFI spectrum

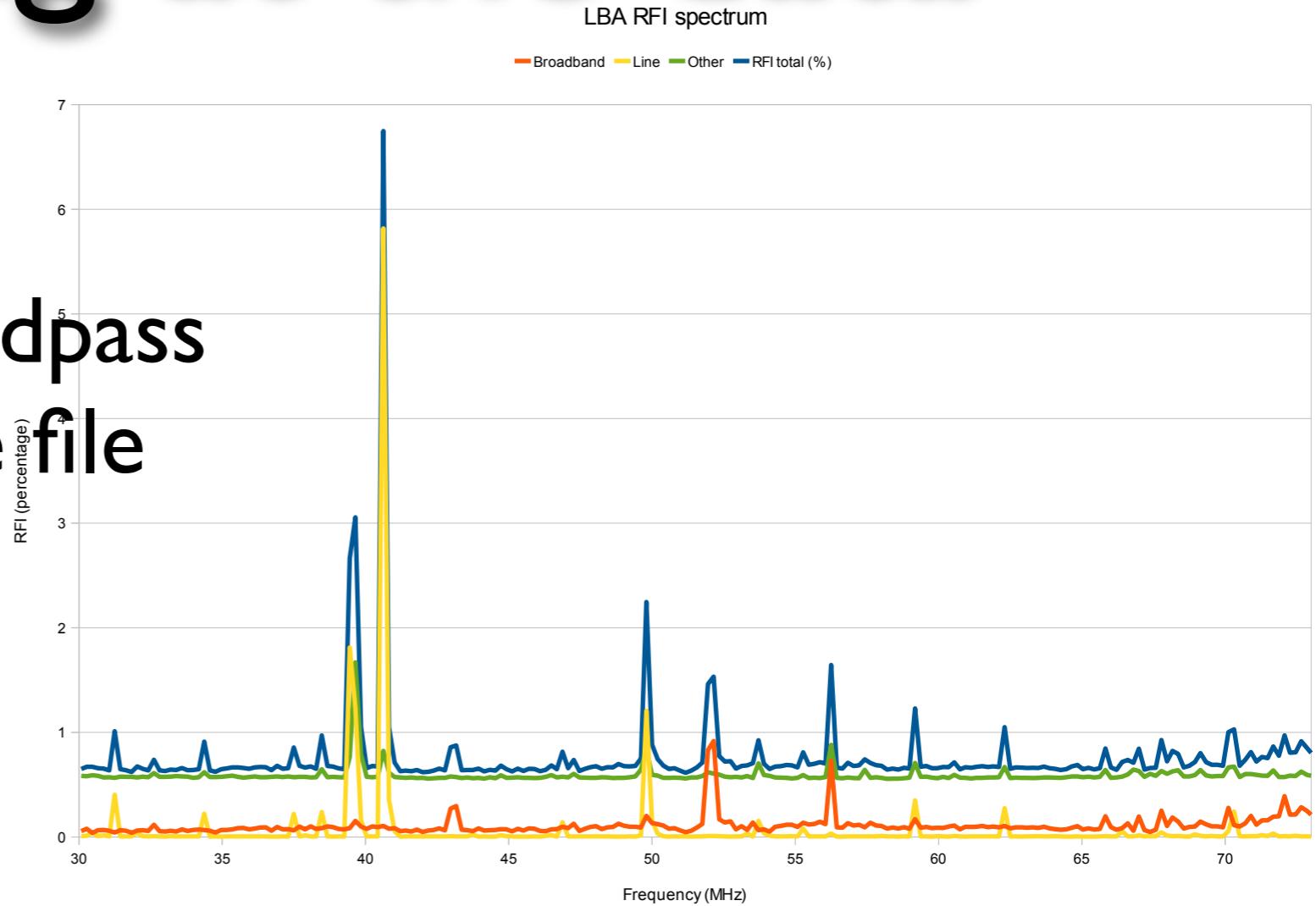
Global Bandpass

L. Birzan & D. Rafferty



# Looking at the data

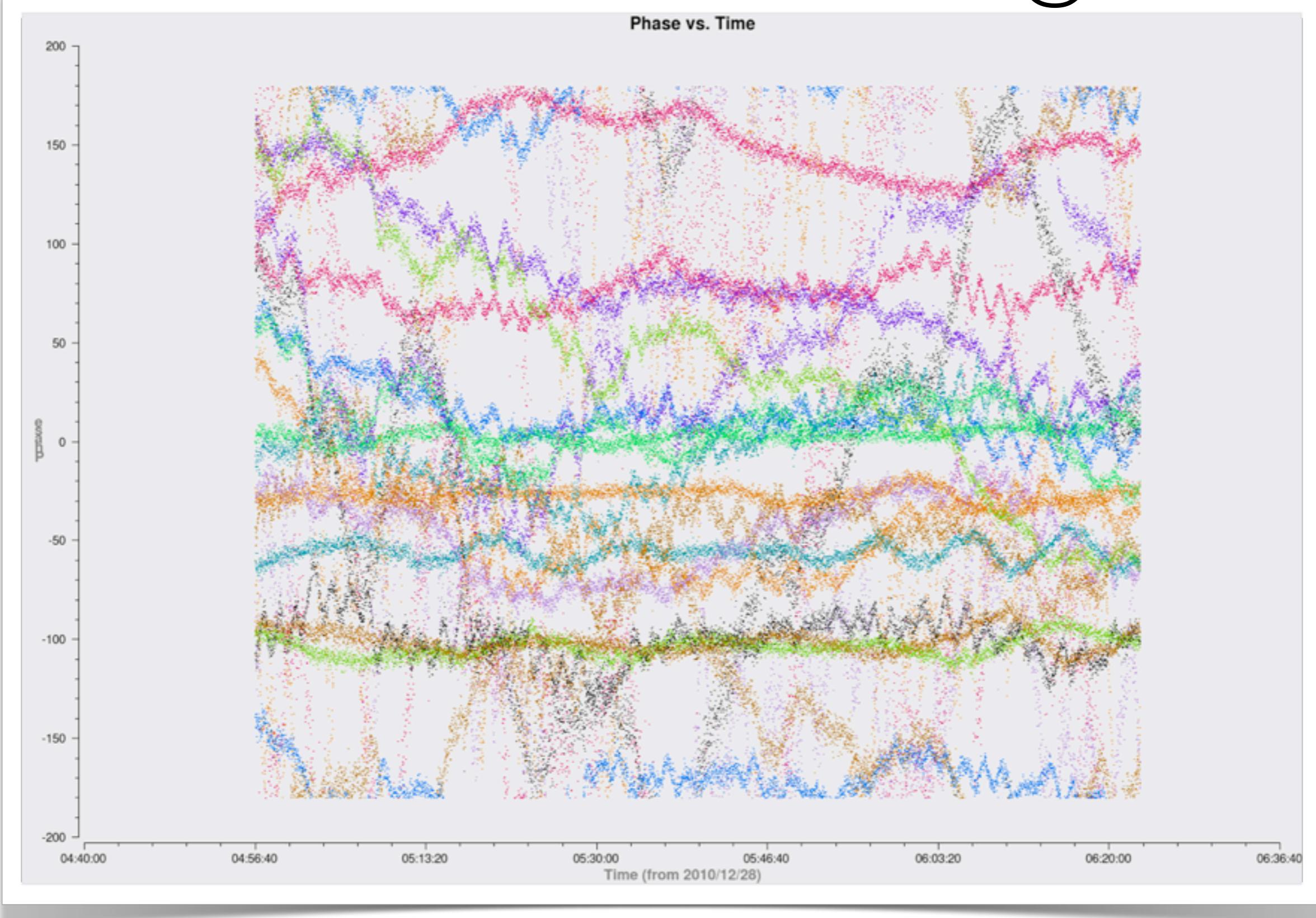
- Look at RFI plots
- Look the global bandpass
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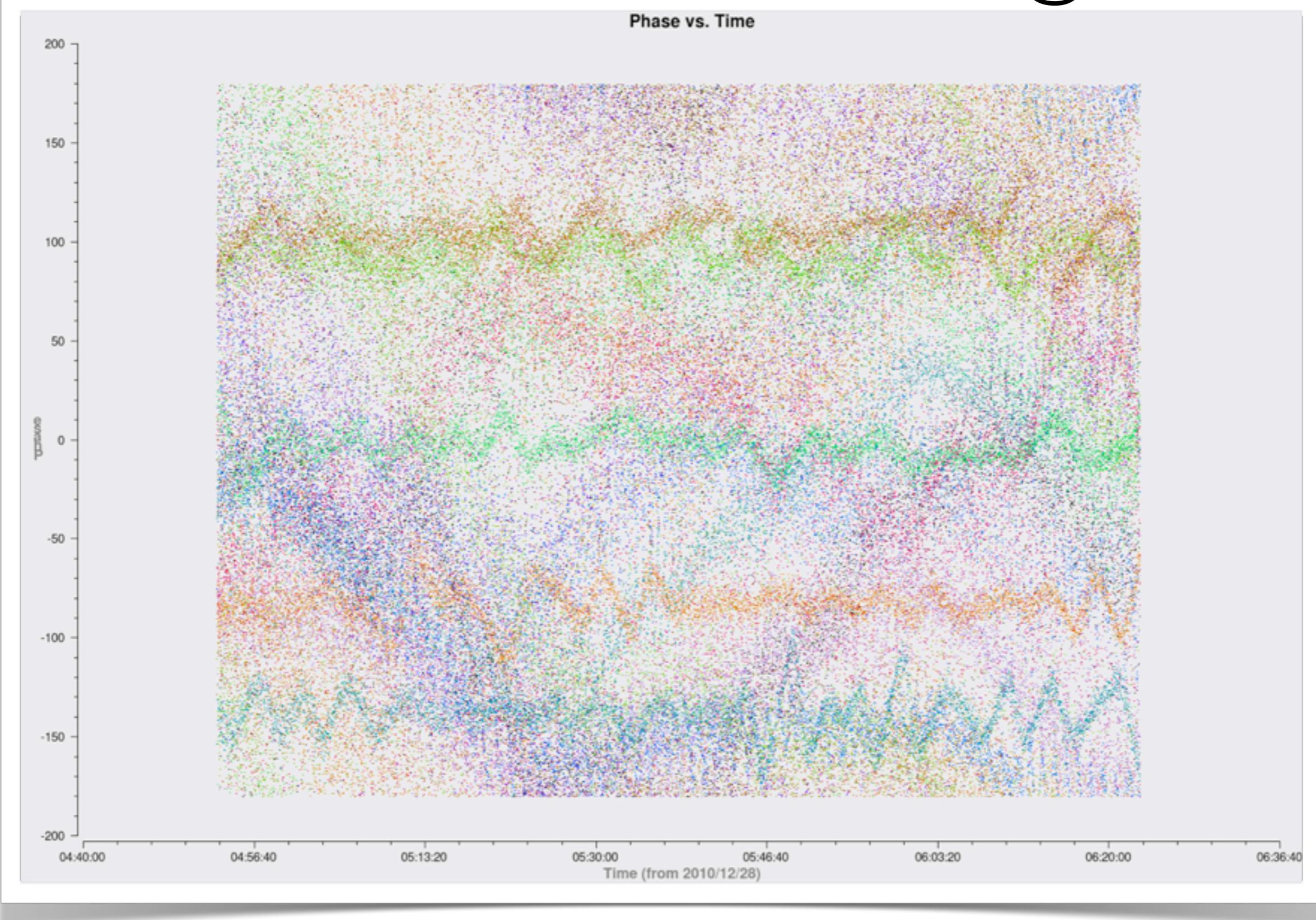
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# Data Analysis @ 30 MHz



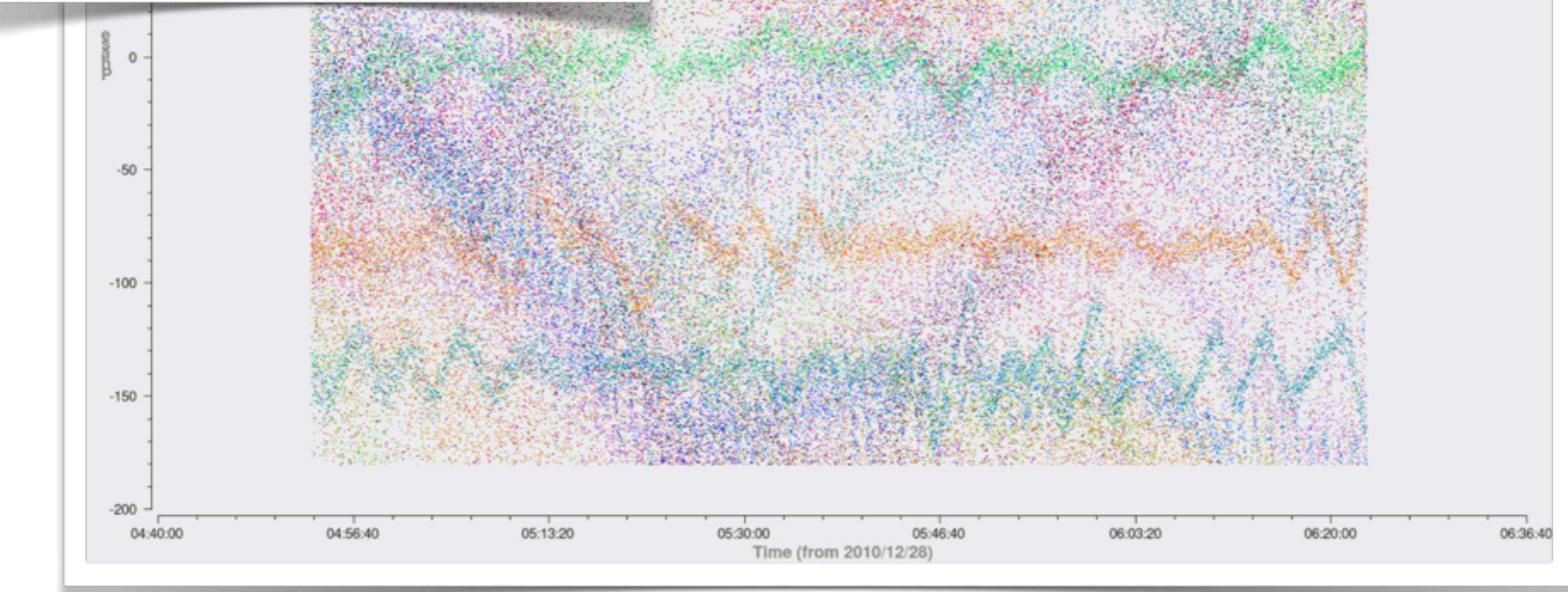
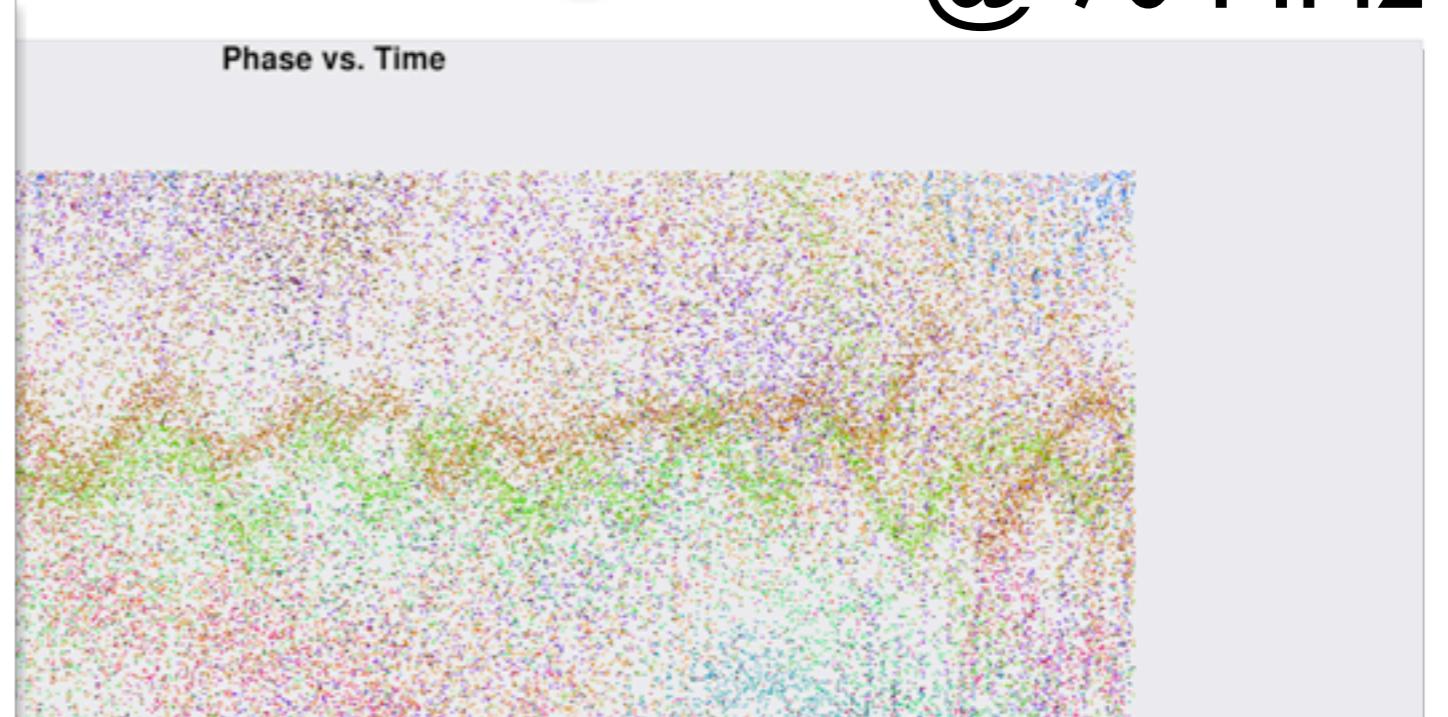
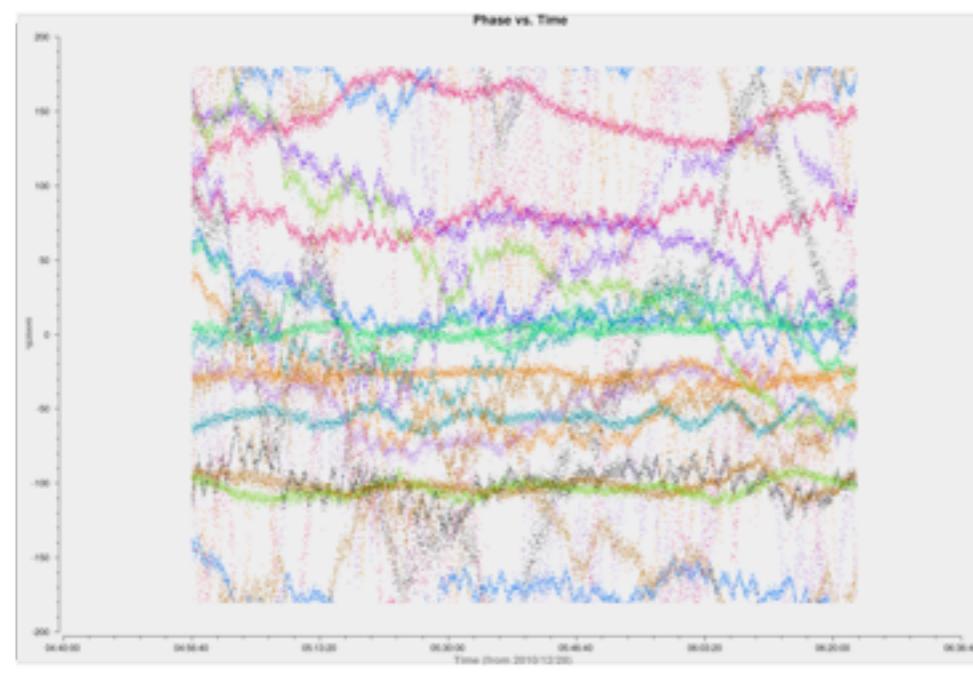
# Data Analysis @ 70 MHz



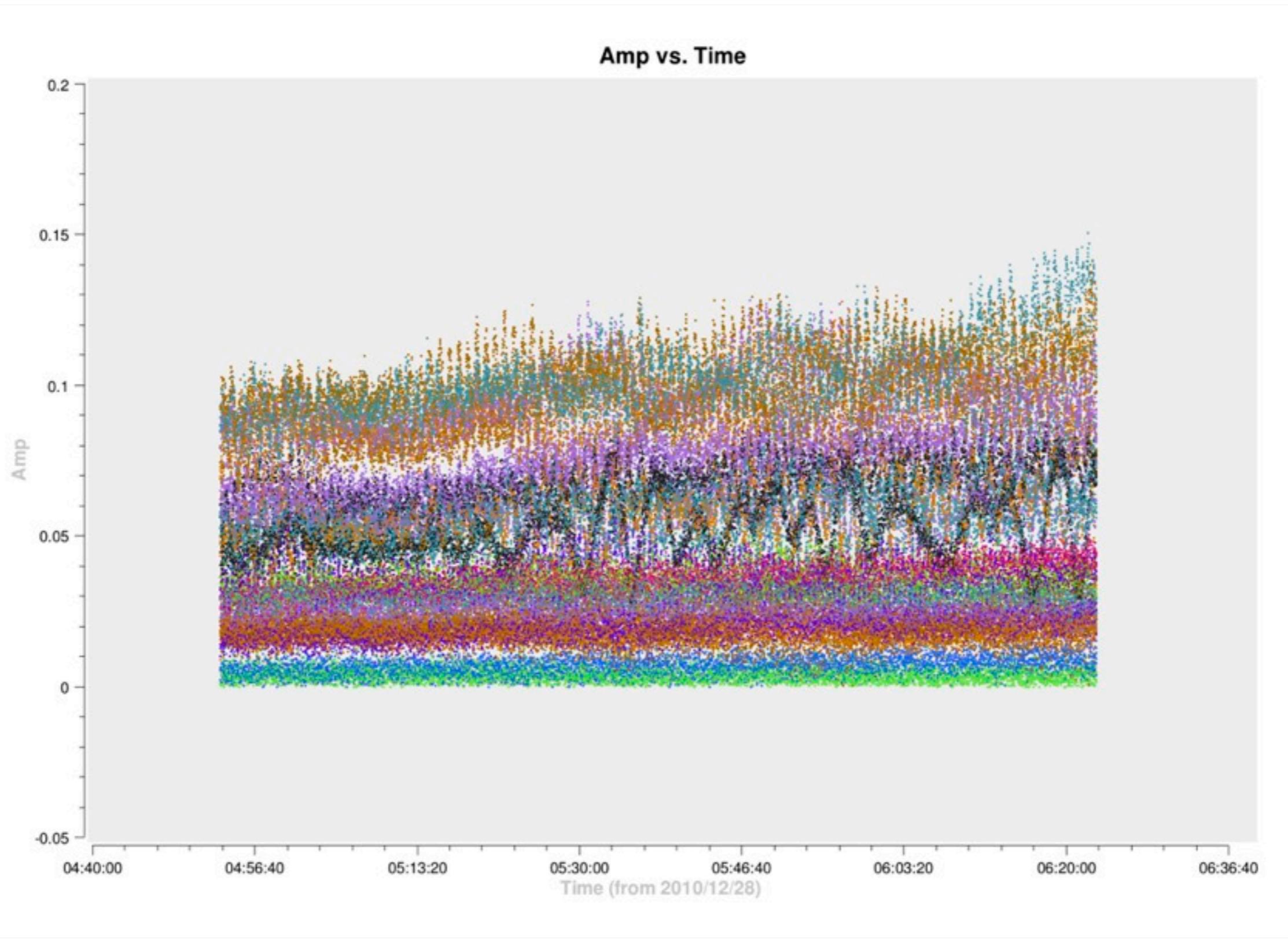
@ 30 MHz

# Data Analysis

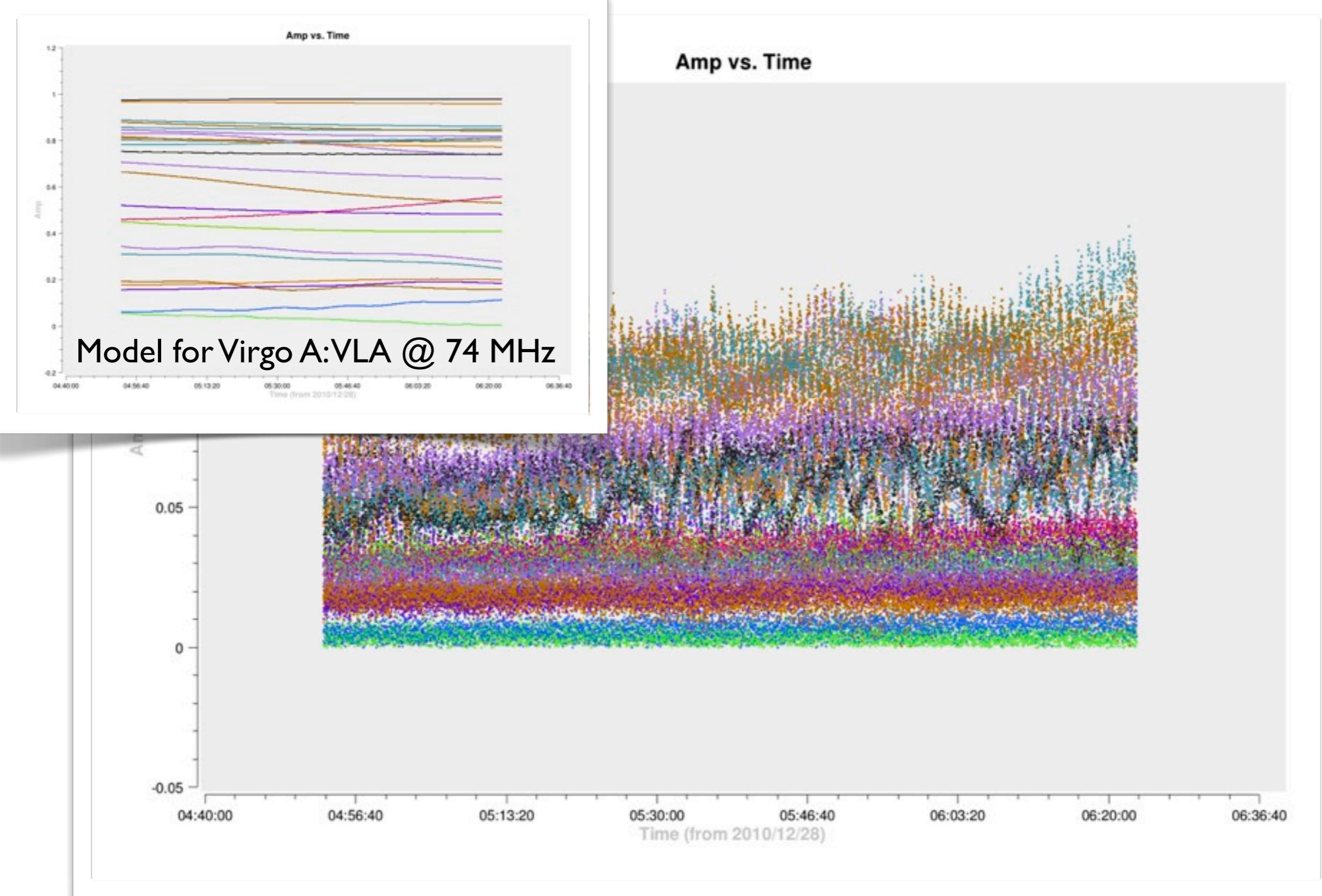
@ 70 MHz



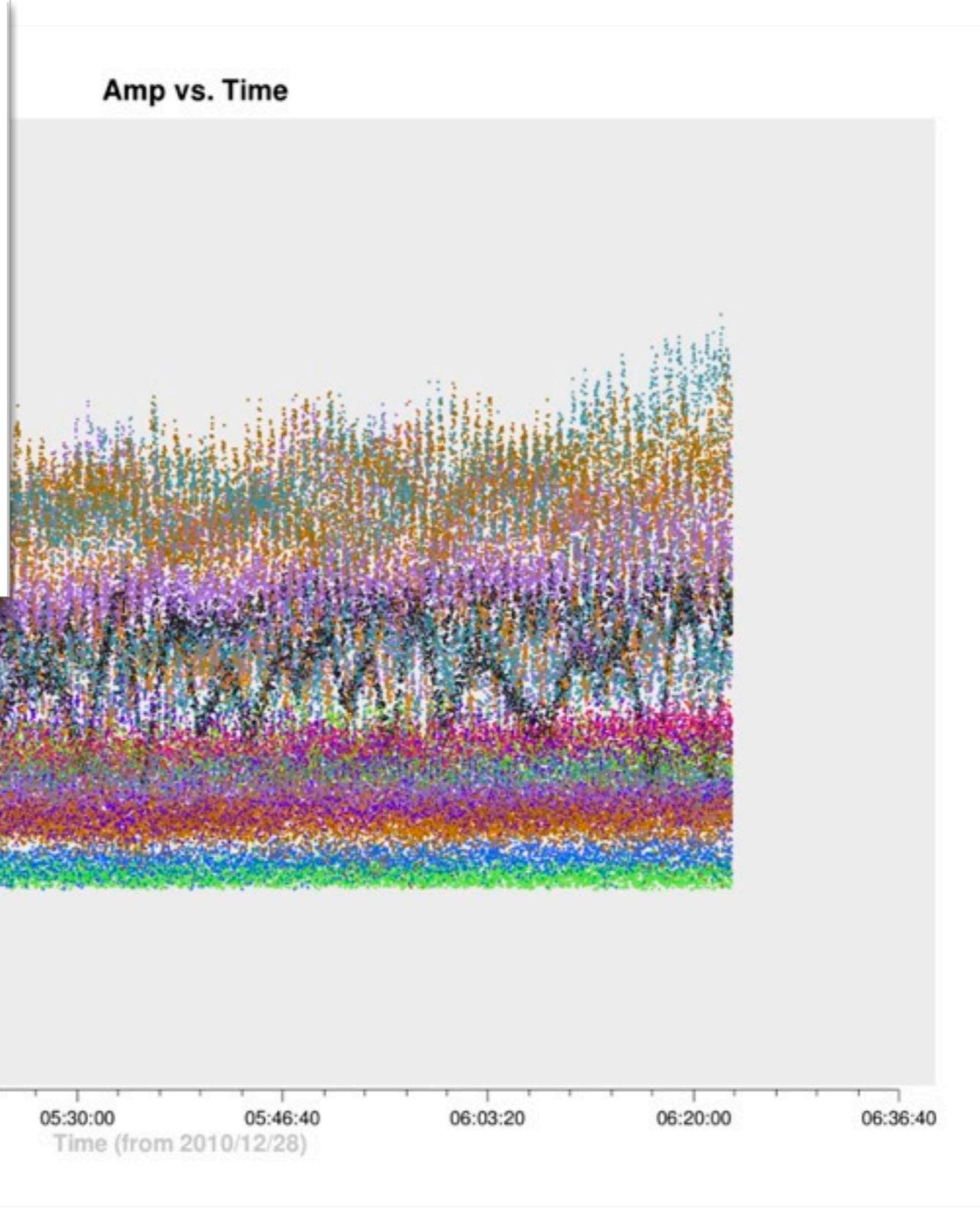
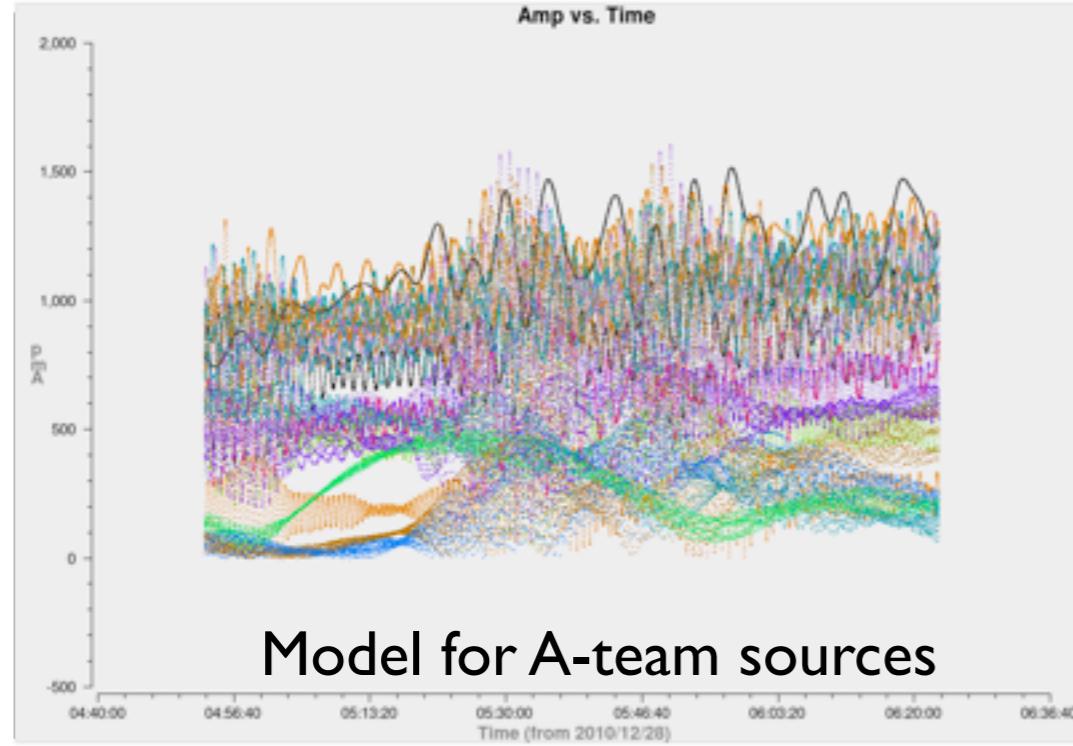
# Effect of other A-Team



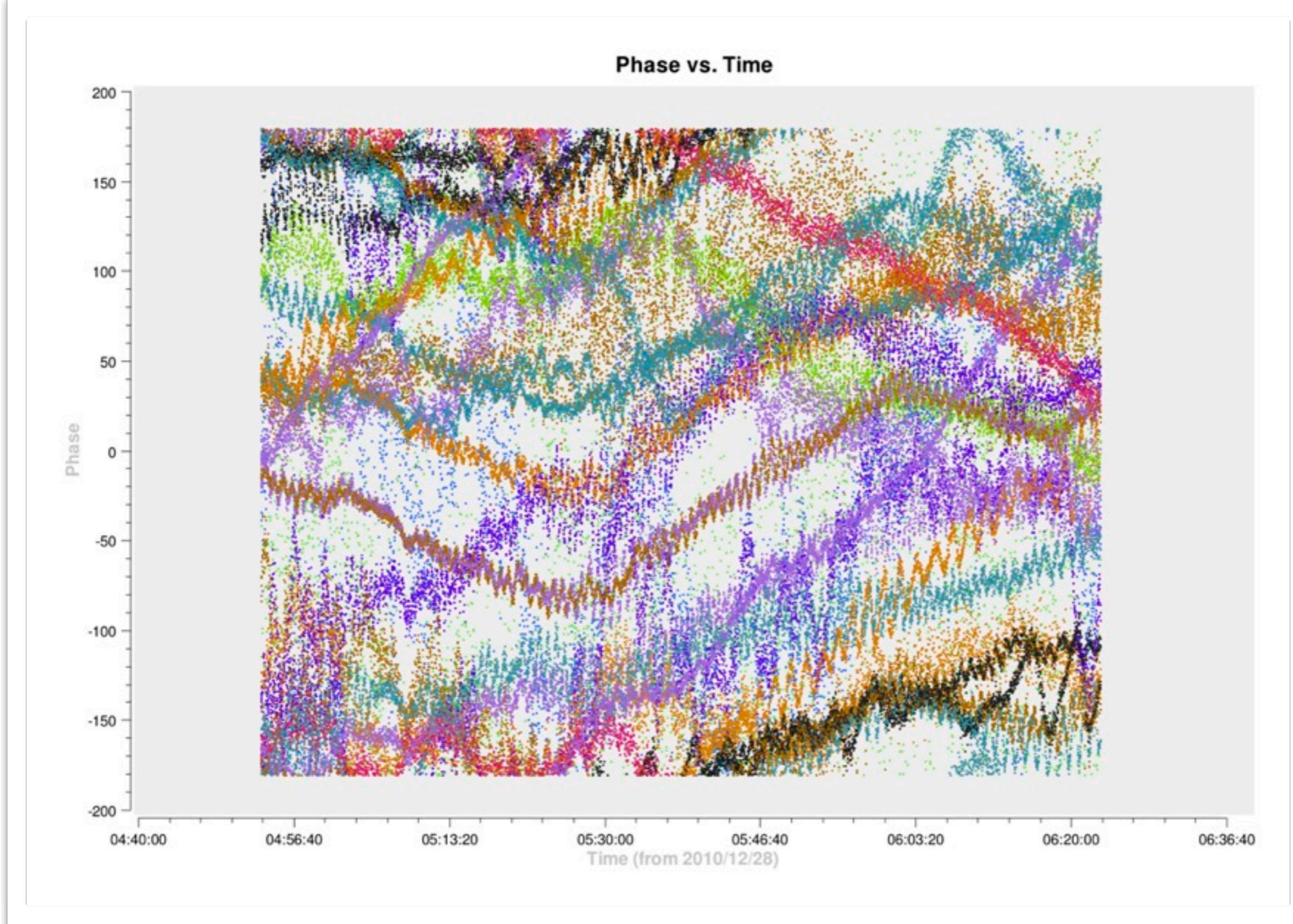
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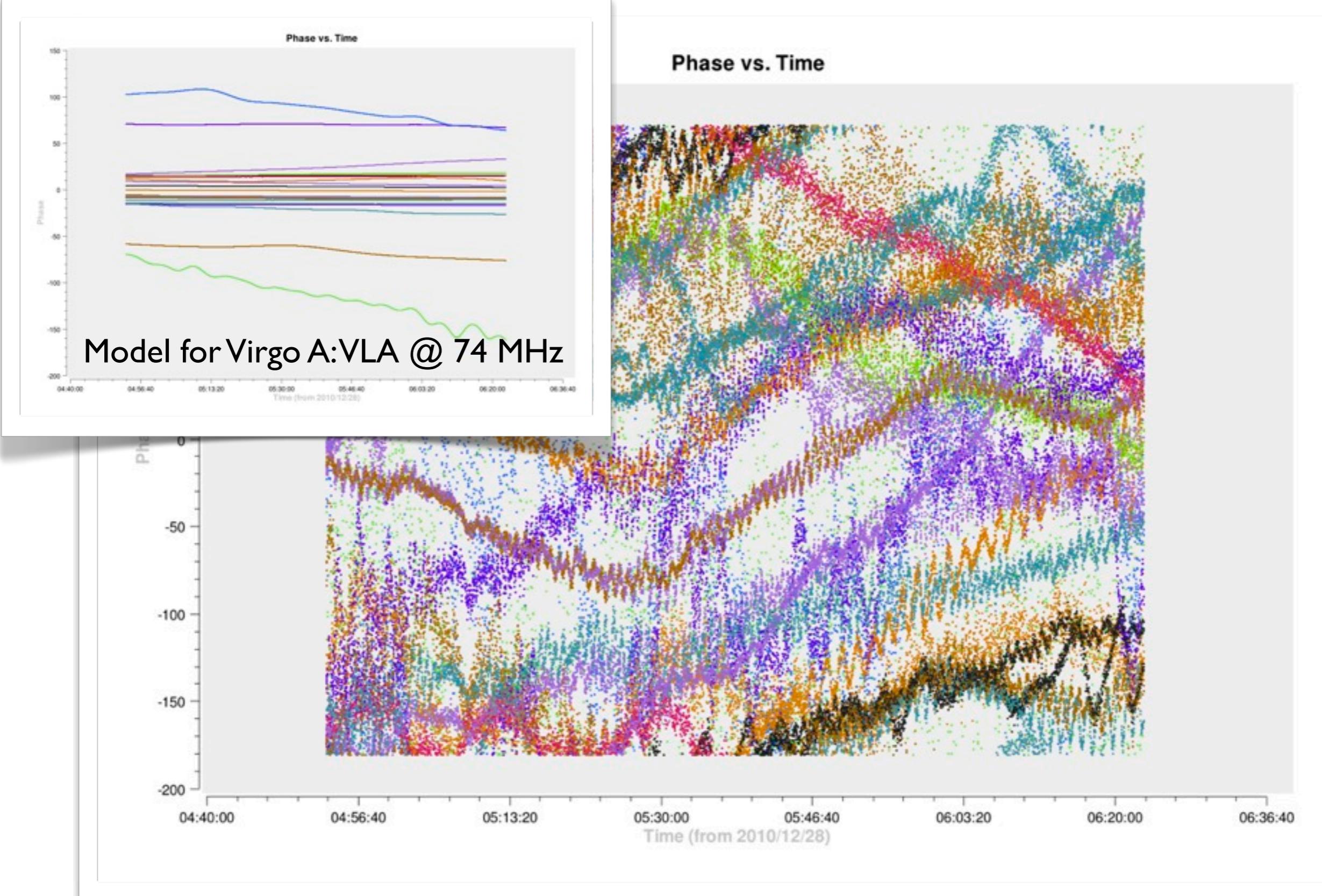
# Effect of other A-Team



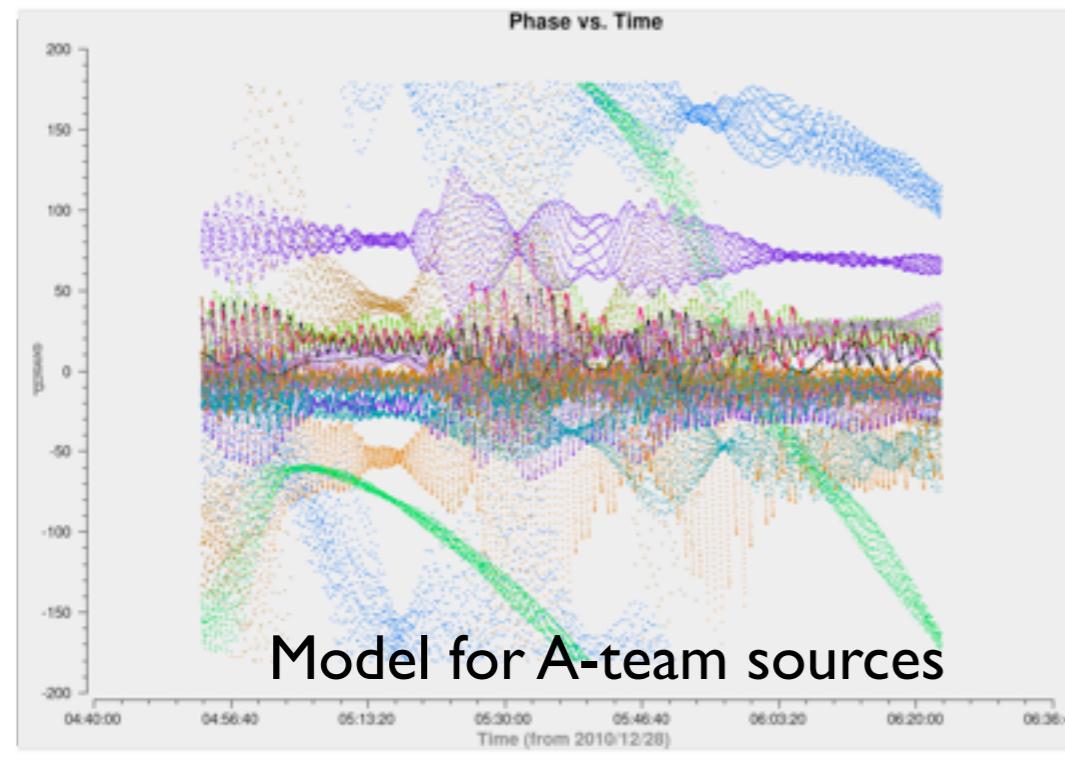
# Effect of other A-Team



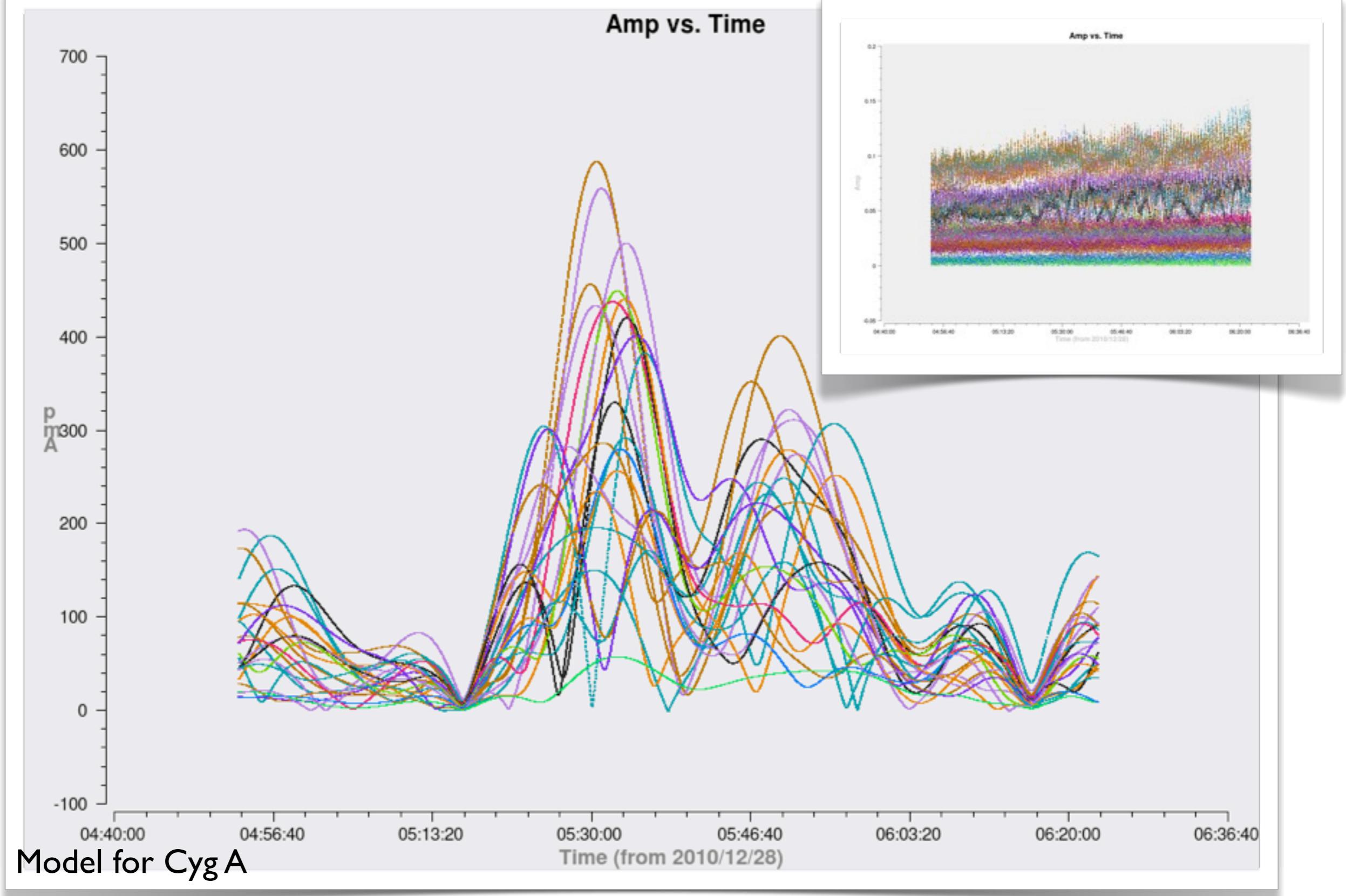
# Effect of other A-Team



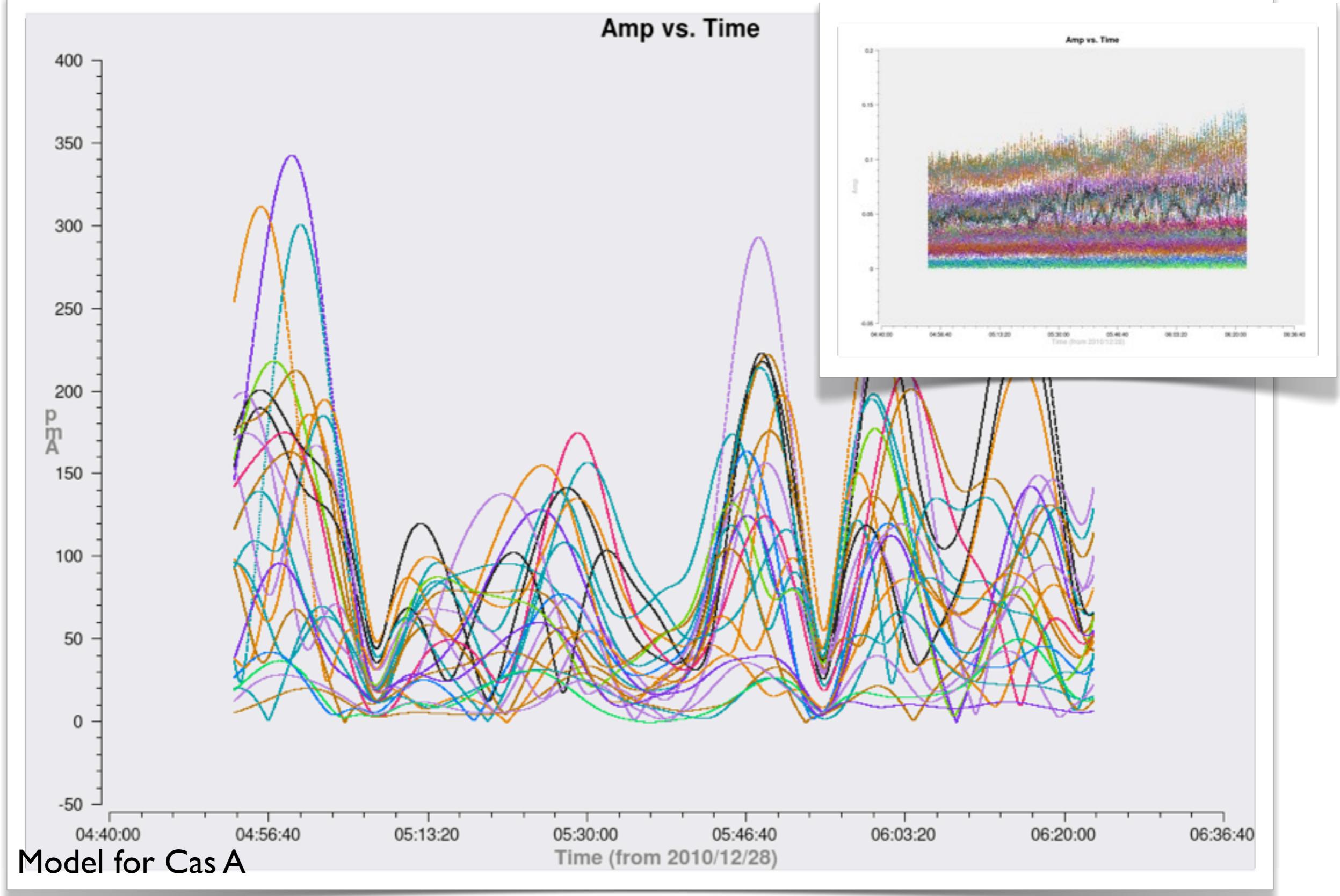
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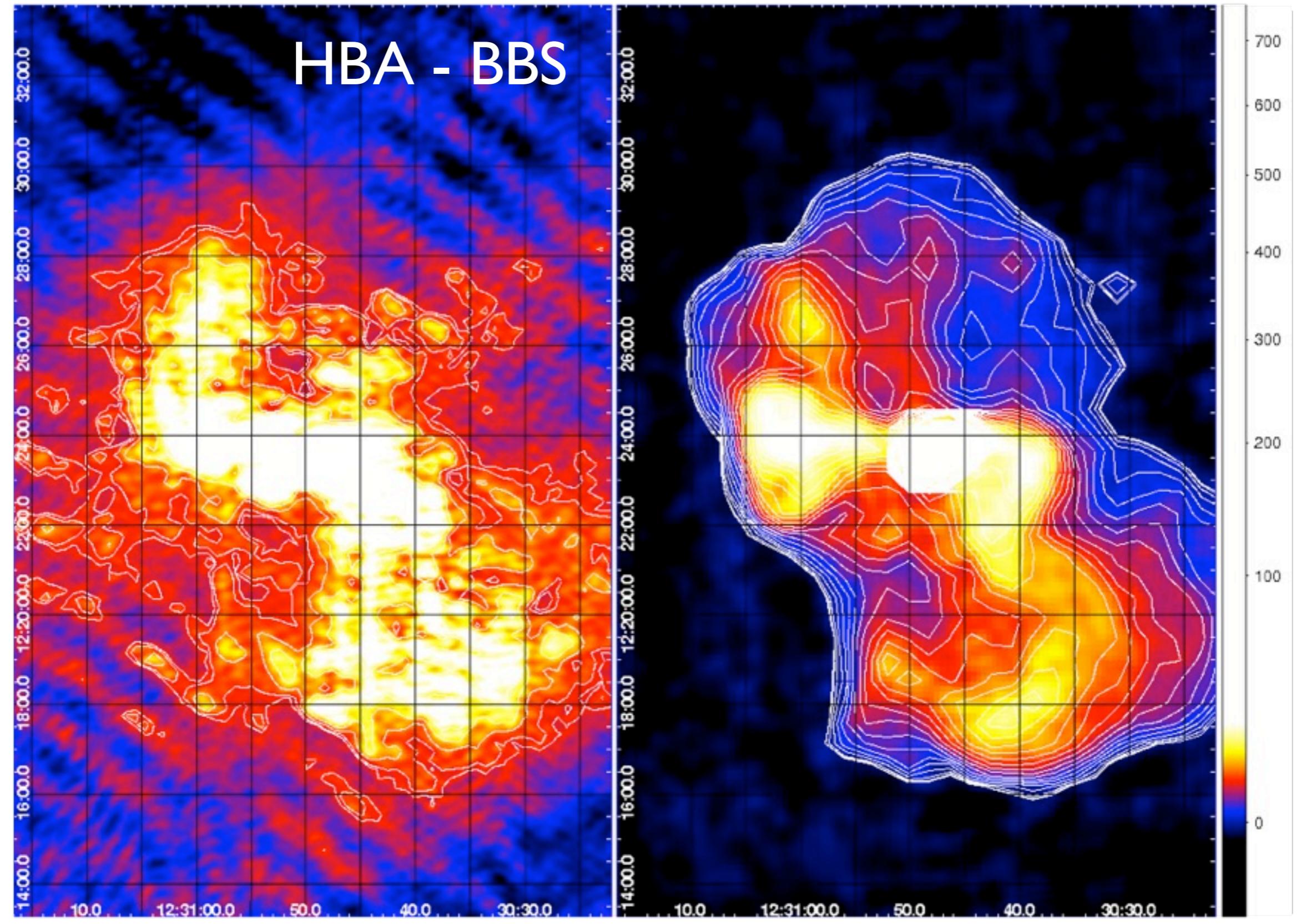
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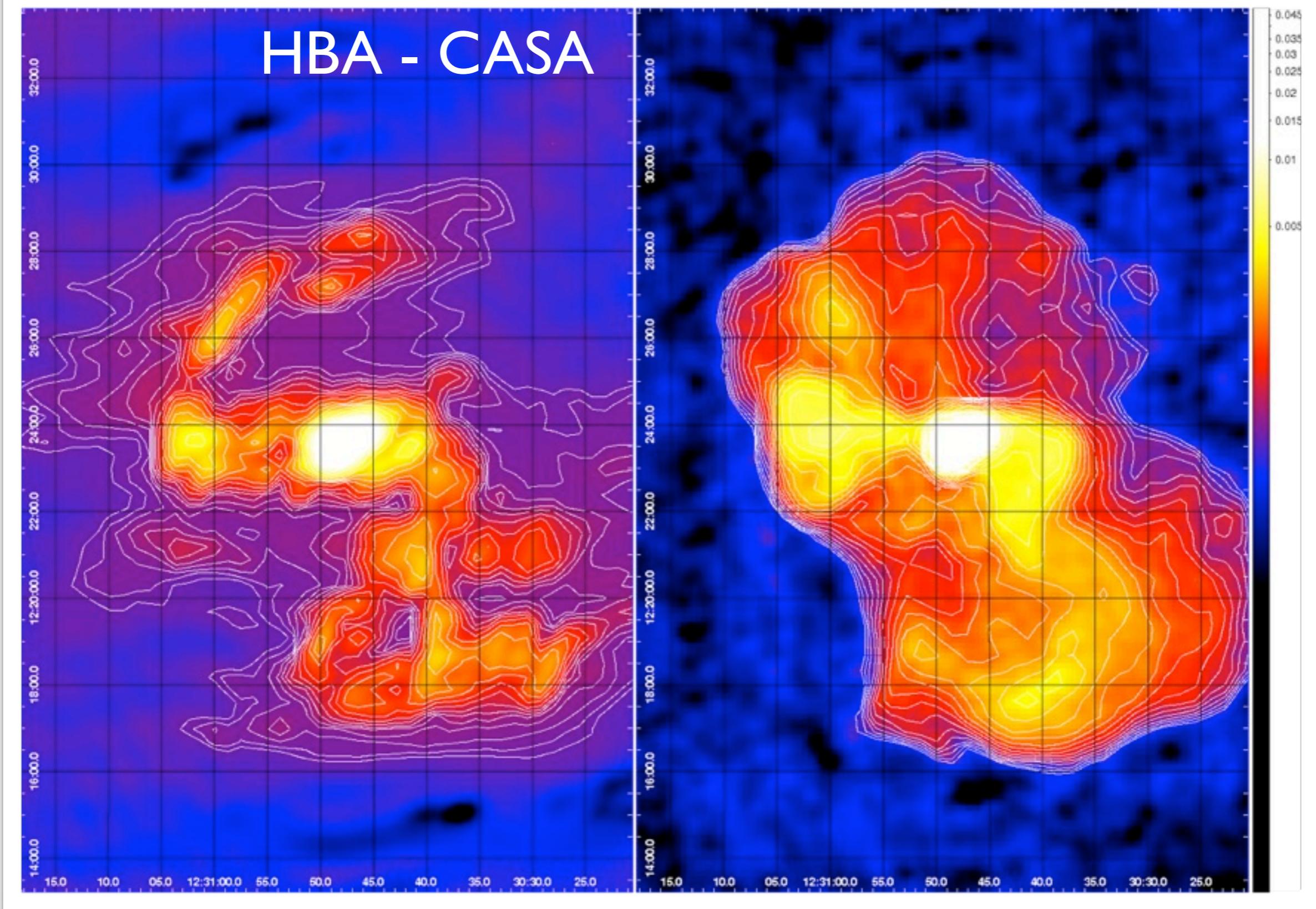
# Effect of other A-Team



# Some old images



# Some old images



# Some new images

