CS1 Data Analysis
Update - Stability Issues

24th January, 2007

Inspected by:
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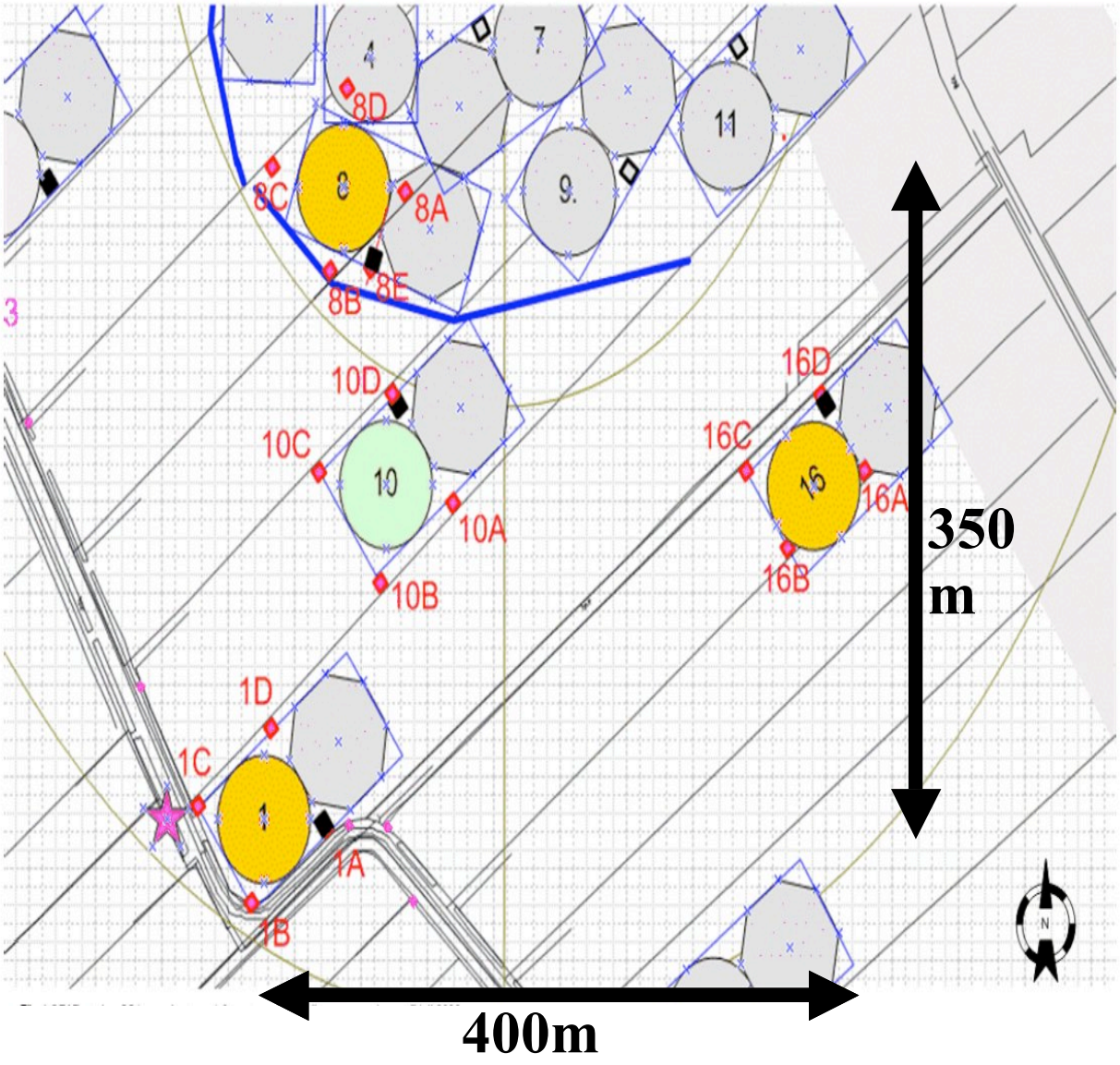
CS1 - Configuration

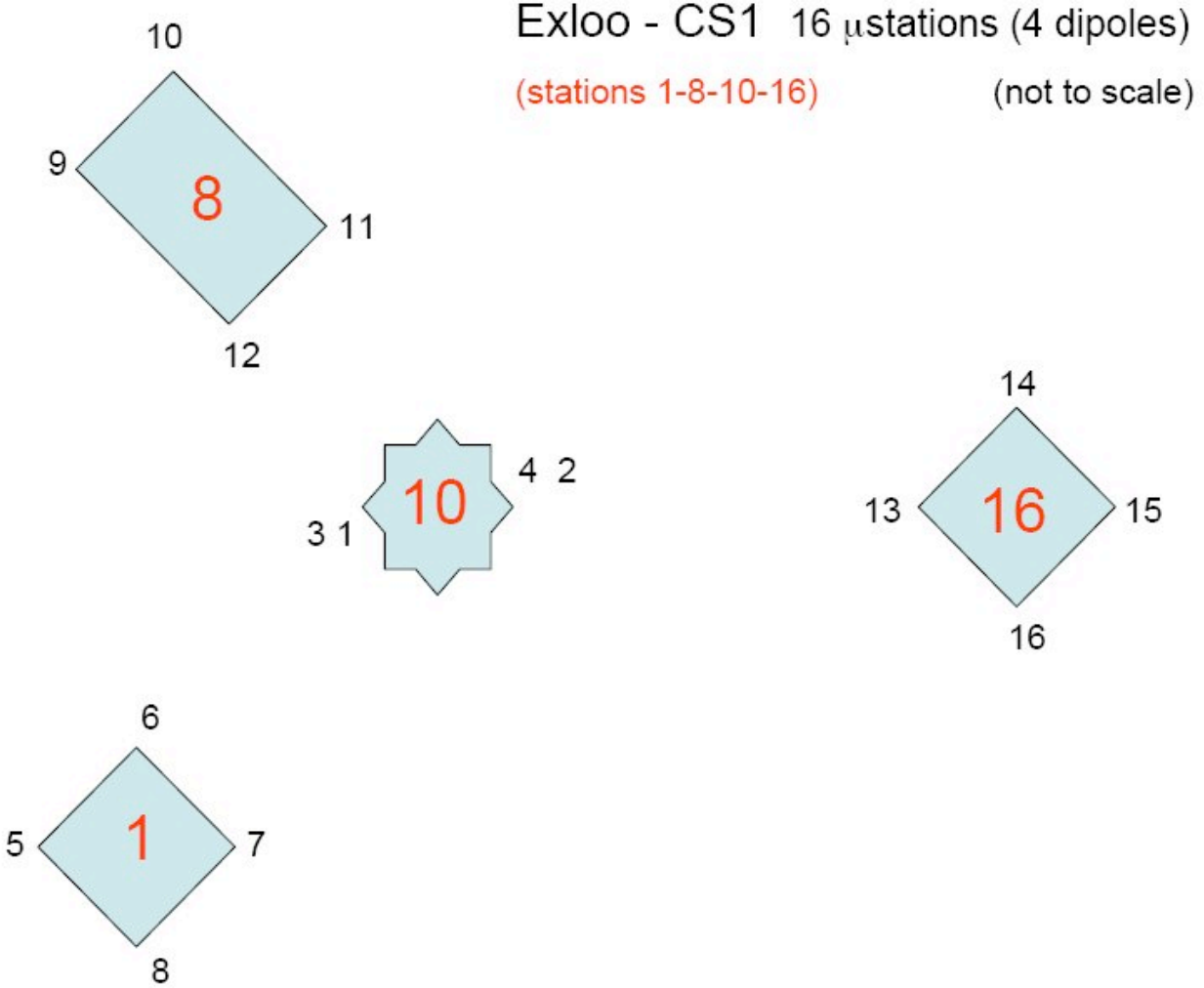
- **96 dipoles**
- **24 Micro stations**
- **4 Stations 1,8,10,16**
- **Presently Obsvn:**

16 Microstns

- ***Stn 1 – 4 microstns***
- ***Stn 8 – 4 microstns***
- ***Stn 10 – 4 microstns***
- ***Stn 16 – 4 microstns***



CS1 - Layout


Exloo - CS1 16 μstations (4 dipoles)
(stations 1-8-10-16)
(not to scale)
10
9
8
11
12
14
13
16
15
16
4 2
3 1
10
6
5
1
7
8

Measurements Sets Inspected

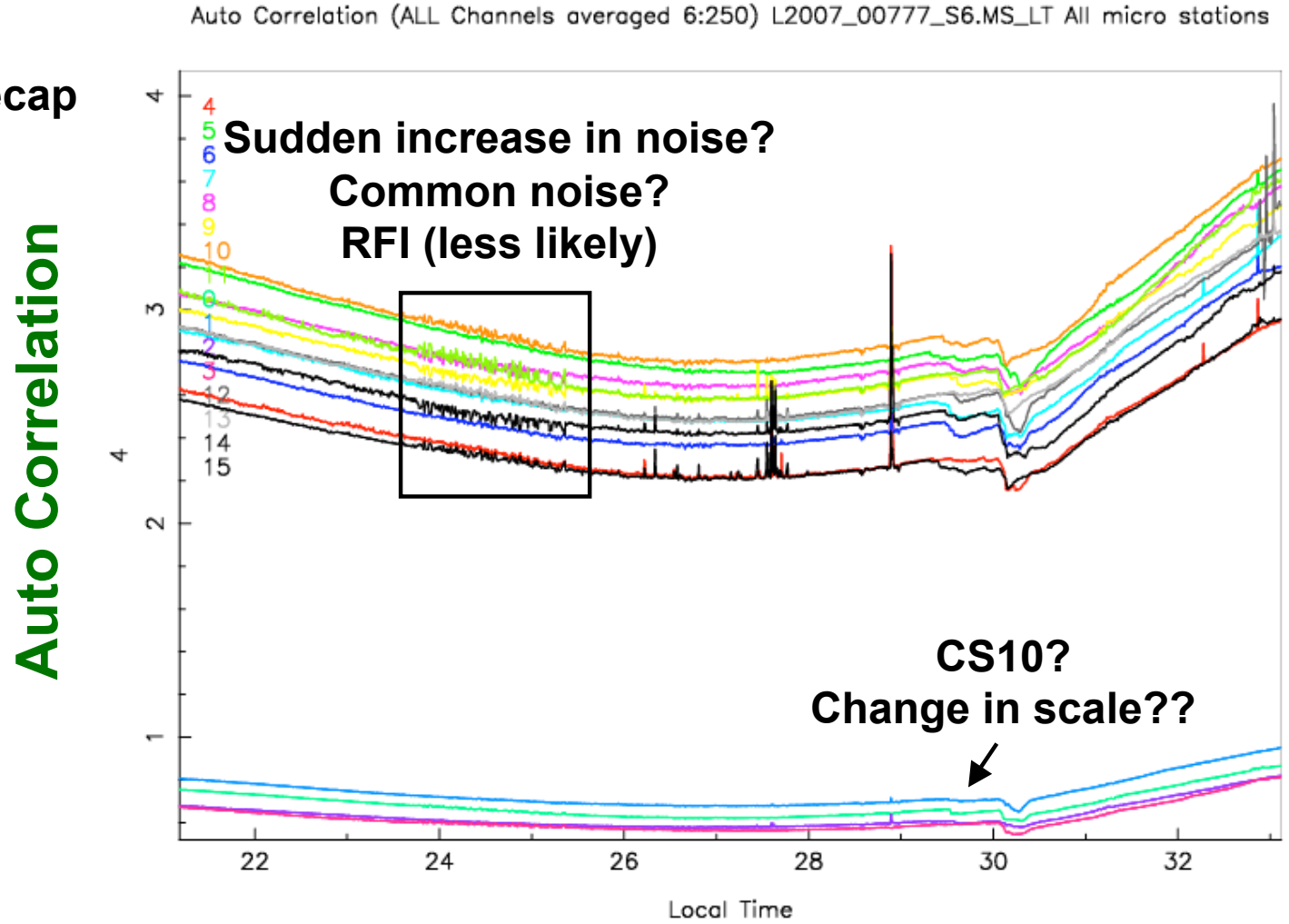
L2006_0583.MS to L2007_00777.MS
(Dec 15, 2006) to (Jan 15, 2007)

New Observations
L2006_0856.MS to L2007_00999.MS
(Jan 16, 2006) to (Jan 22, 2007)

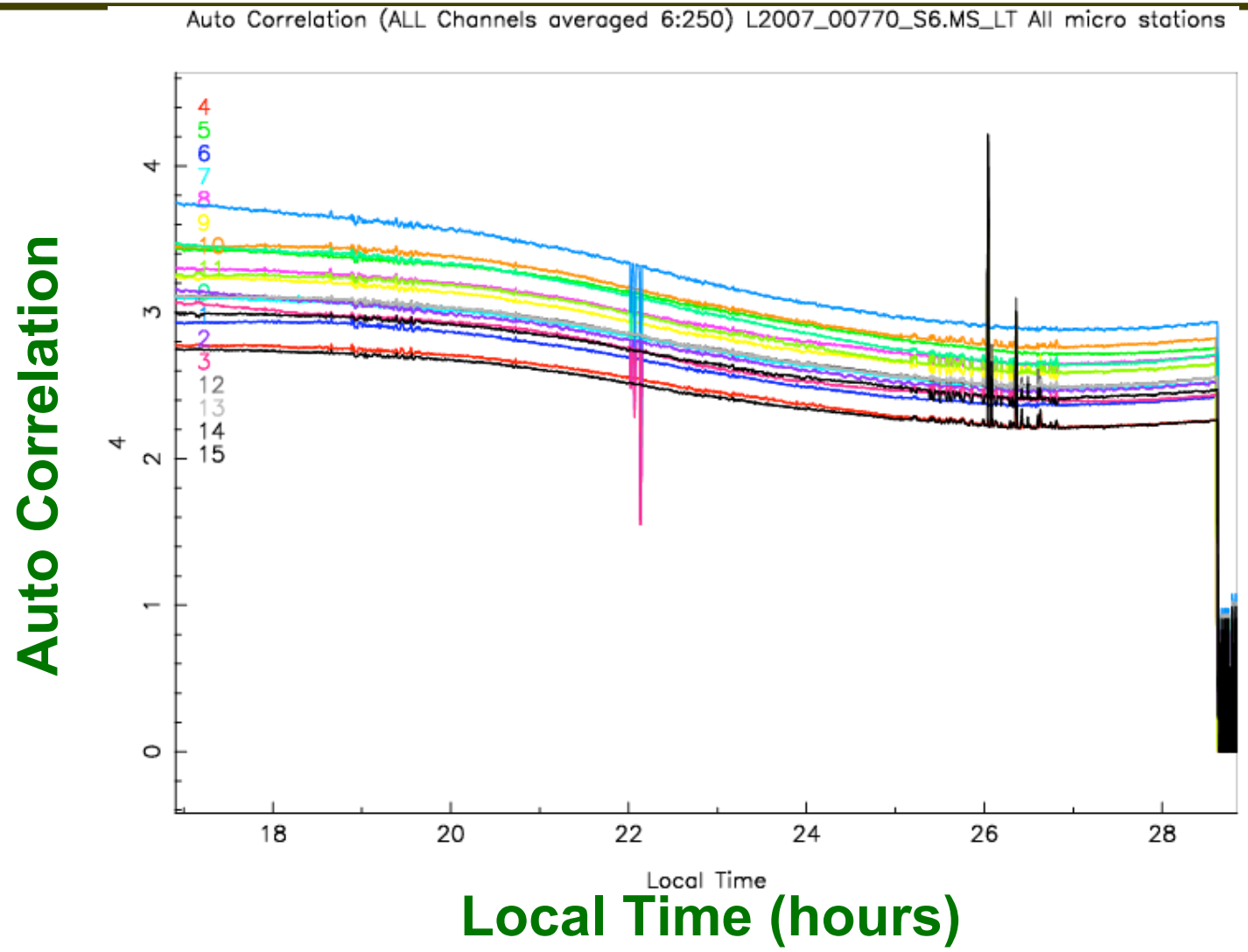
- **Micro stations 16 (1) (4 in eachCS1, CS8, CS10, CS16).**
- **Frequency 60MHz, Sub band 156.25 Khz, 256 channels**
- **~0.6KHz resolution**
- **Integration time 60s**
- **MS740 onwards tracking working**
- **MS890 - 10 subbands from 23-75 MHz**
- **Integraton time 60s**

MS777 - Avg(all channels) all microstns

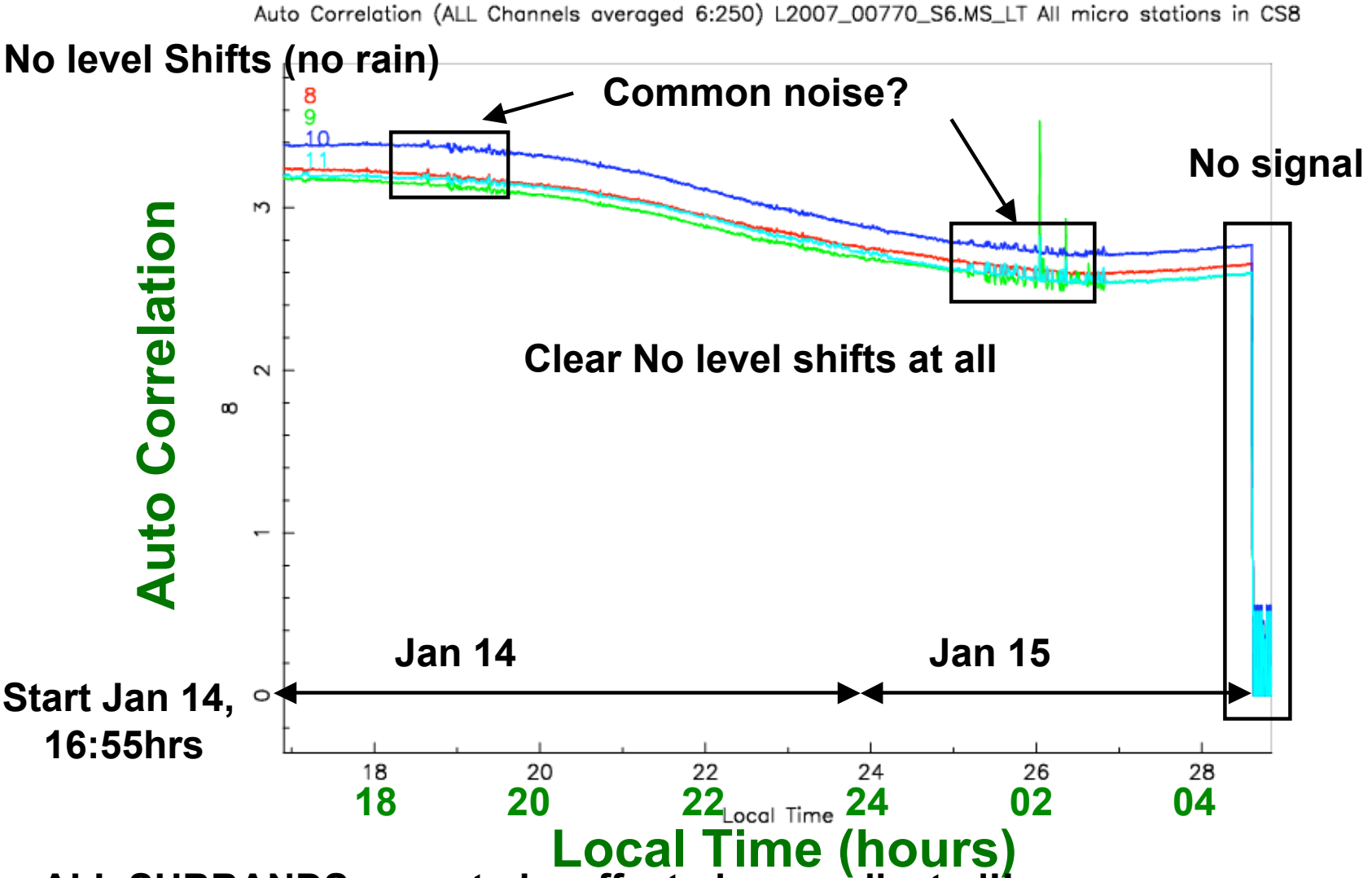
Recap



MS770 - Avg(channels) all microstn



MS770 - Avg(channels) CS8

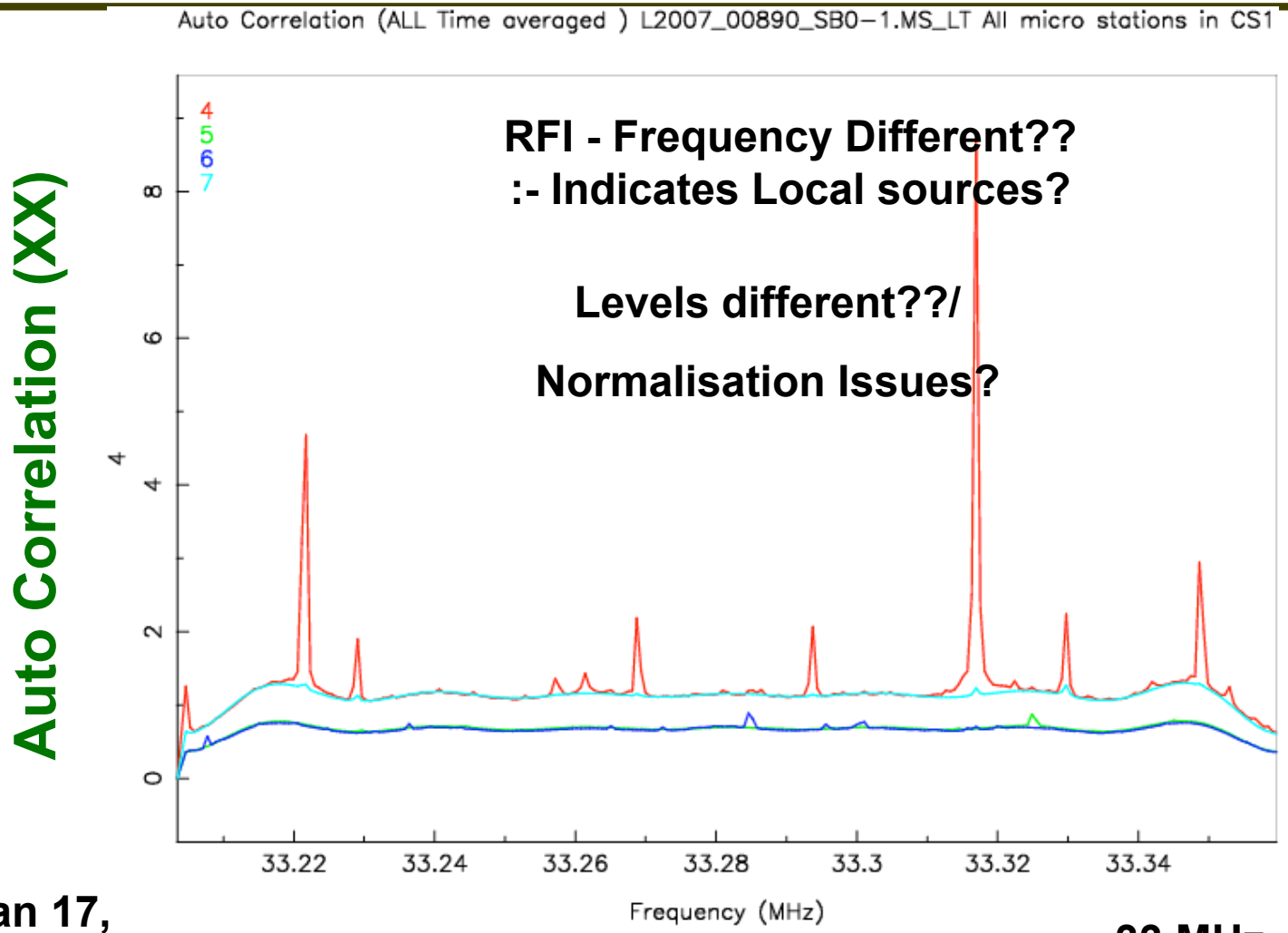


ALL SUBBANDS seem to be affected - complicated!!

Different microstations affected differently

We are looking into it…!!

MS890S0 - Avg(channels 6:250) CS1

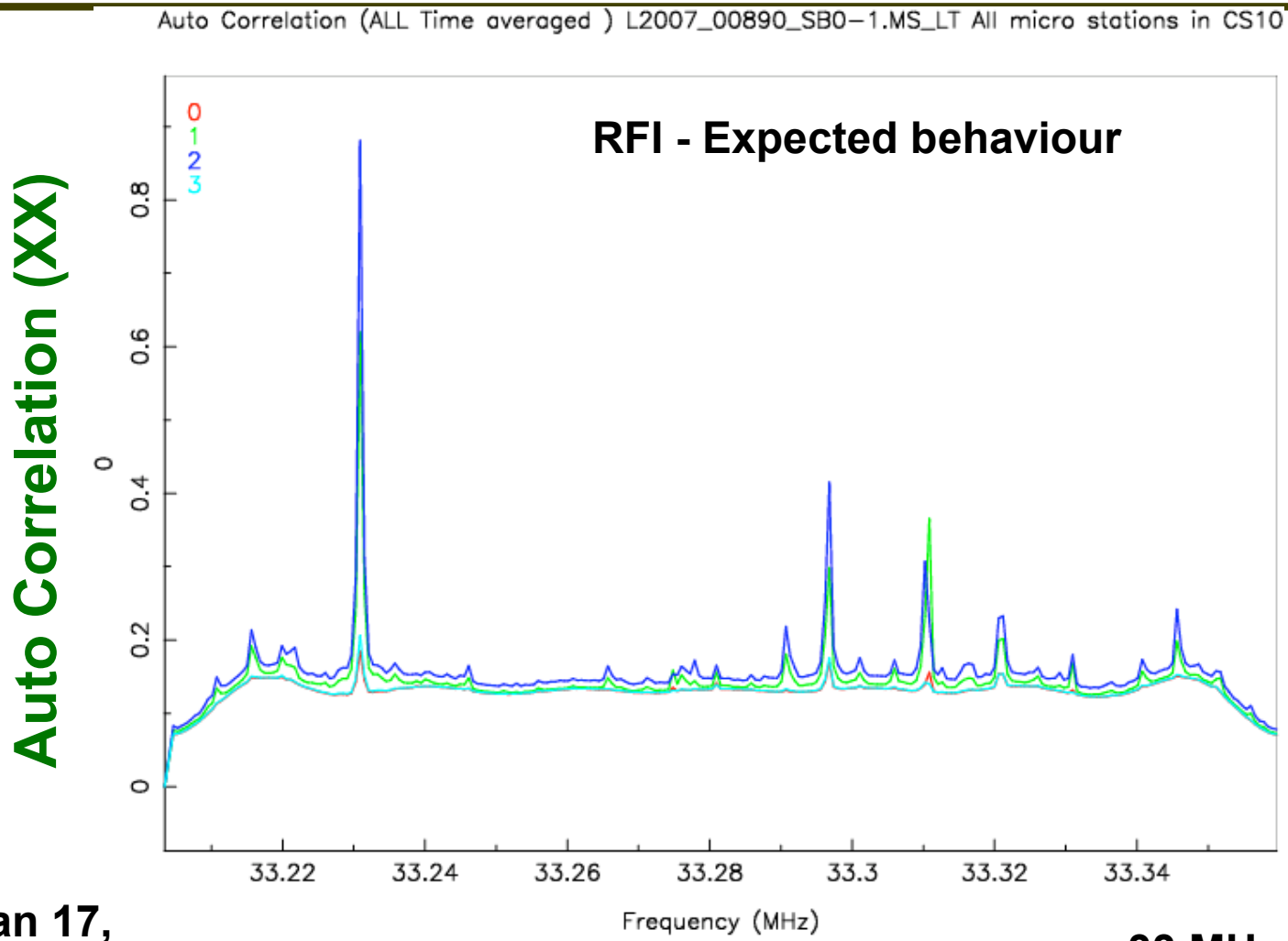


Jan 17,
18:10hrs-09:06hrs
~15 hours

Frequency (MHz)

33 MHz
156KHz wide

MS890S0 - Avg(channels 6:250) CS10

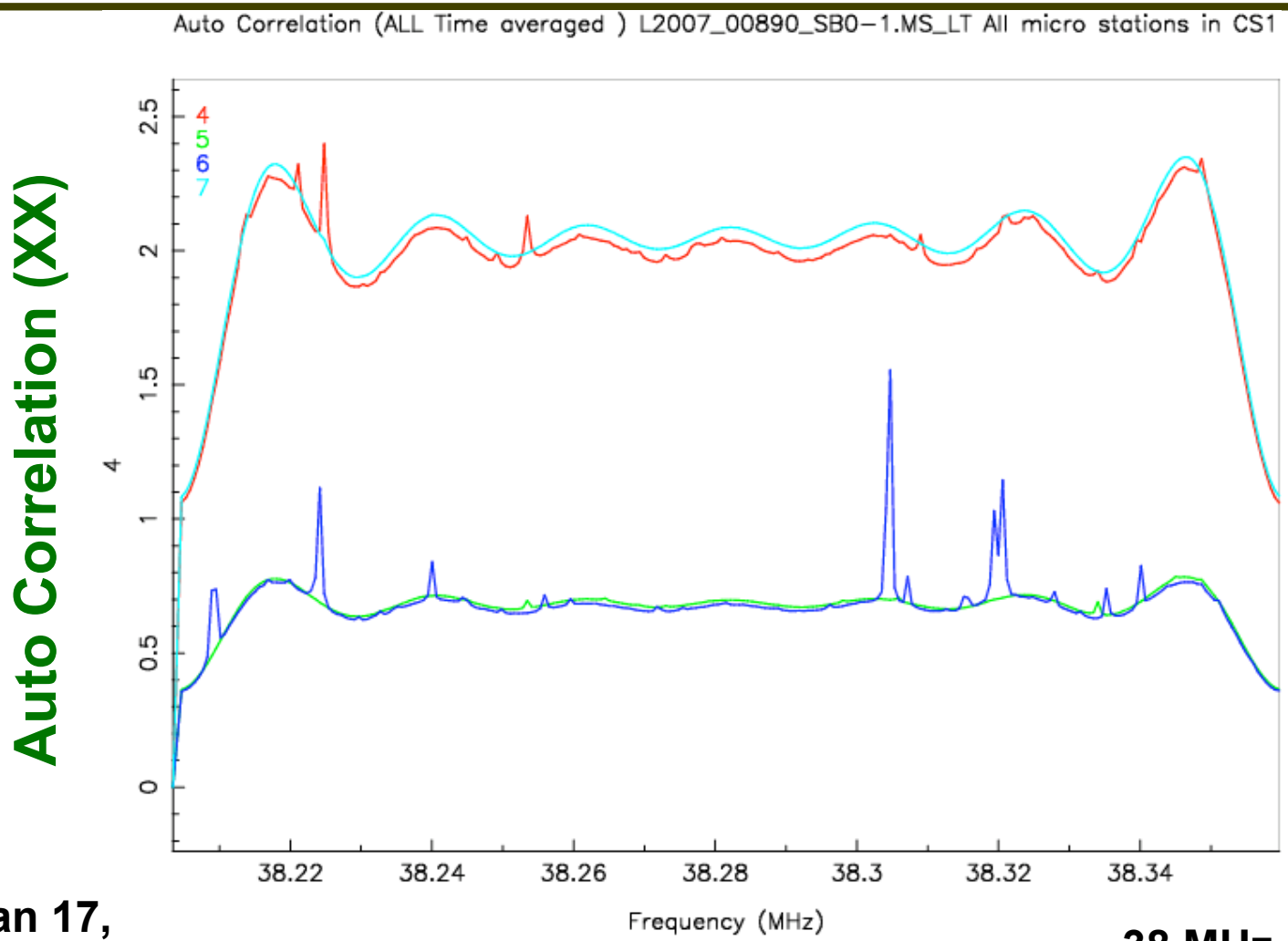


Jan 17,
18:10hrs-09:06hrs
~15 hours

Frequency (MHz)

33 MHz
156KHz wide

MS890S1 - Avg(channels 6:250) CS1

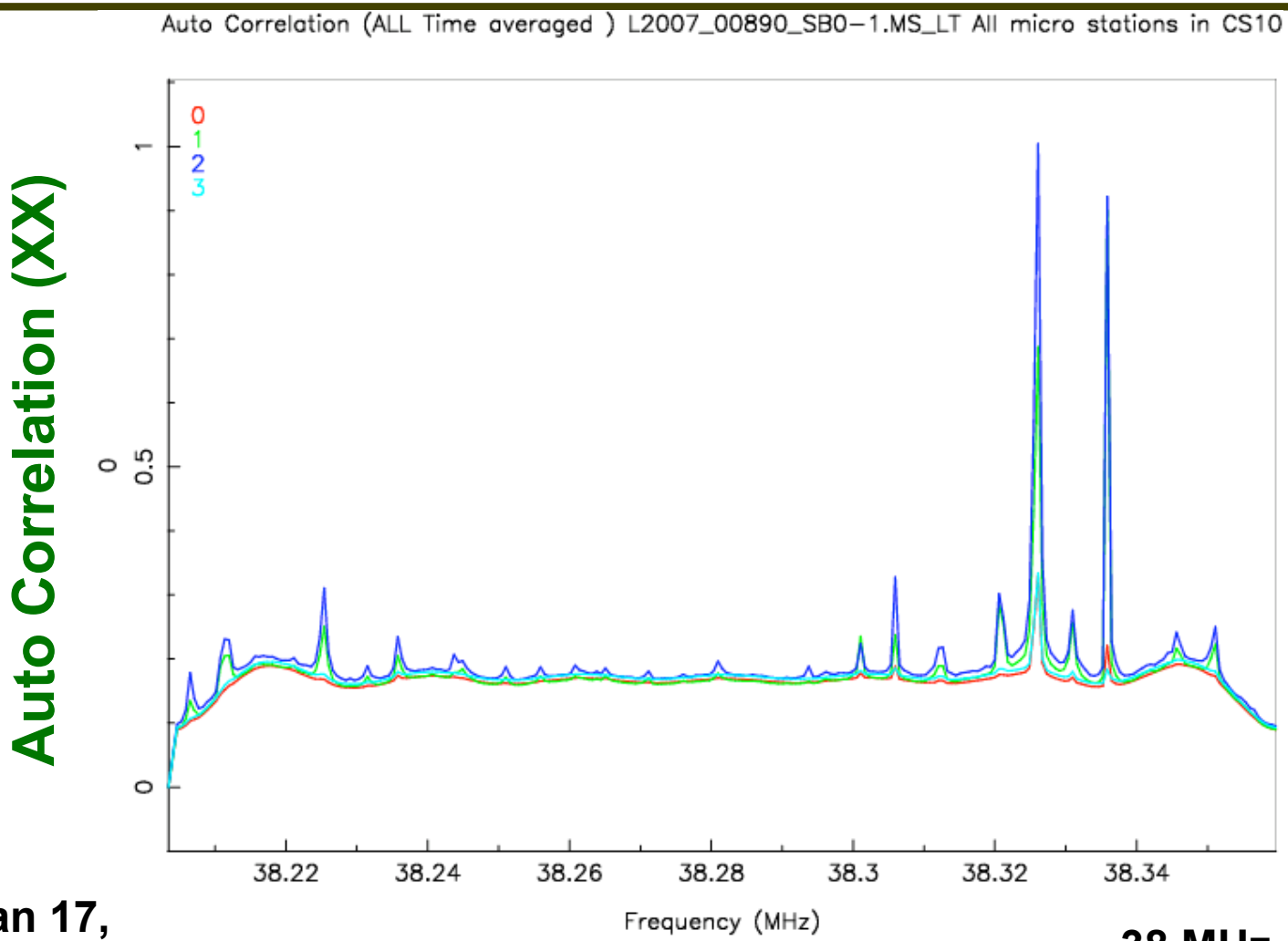


Jan 17,
18:10hrs-09:06hrs
~15 hours

Frequency (MHz)

38 MHz
156KHz wide

MS890S1 - Avg(channels 6:250) CS10

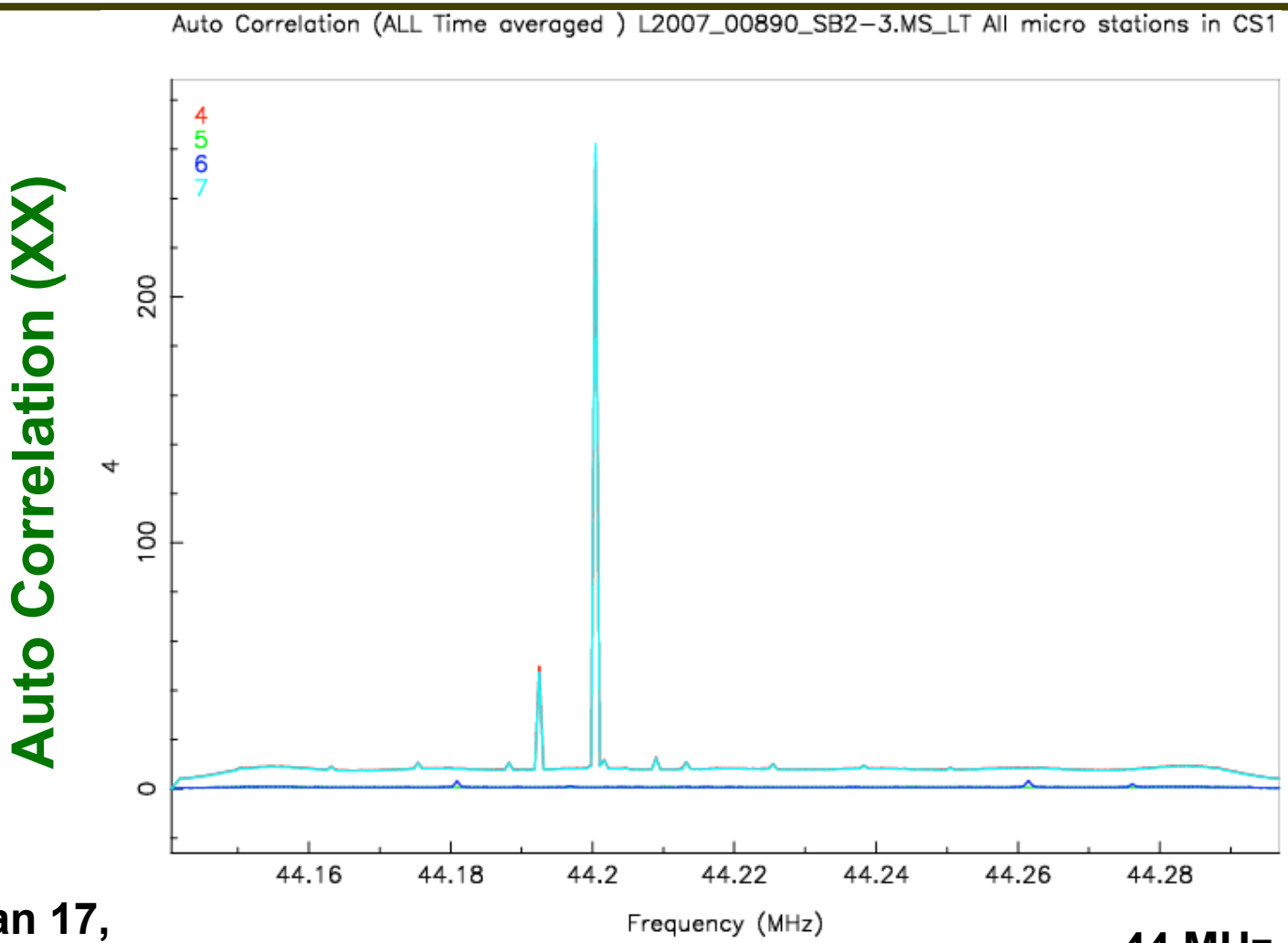


Jan 17,
18:10hrs-09:06hrs
~15 hours

Frequency (MHz)

38 MHz
156KHz wide

MS890S2 - Avg(channels 6:250) CS1

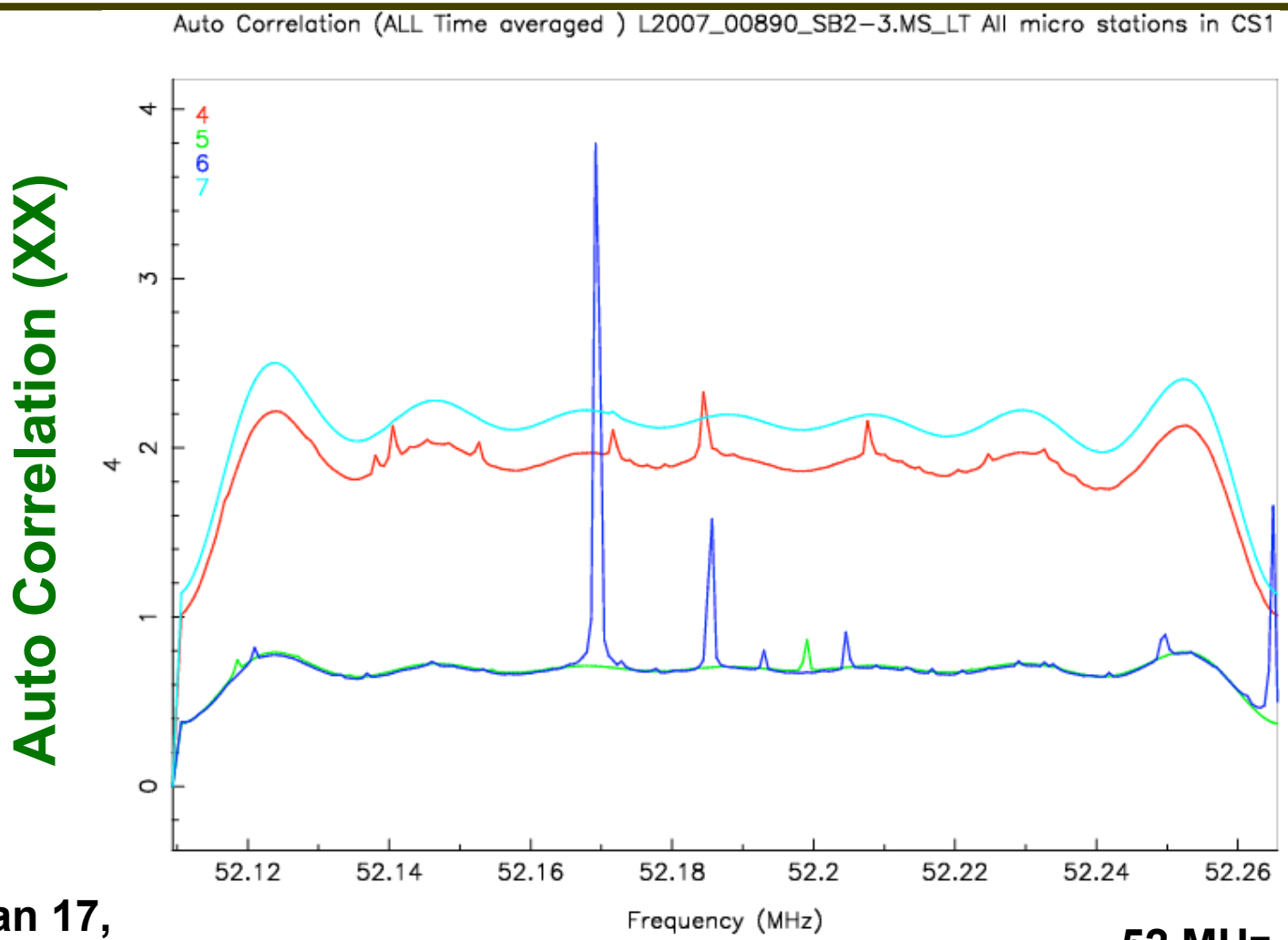


Jan 17,
18:10hrs-09:06hrs
~15 hours

Frequency (MHz)

44 MHz
156KHz wide

MS890S3 - Avg(channels 6:250) CS1

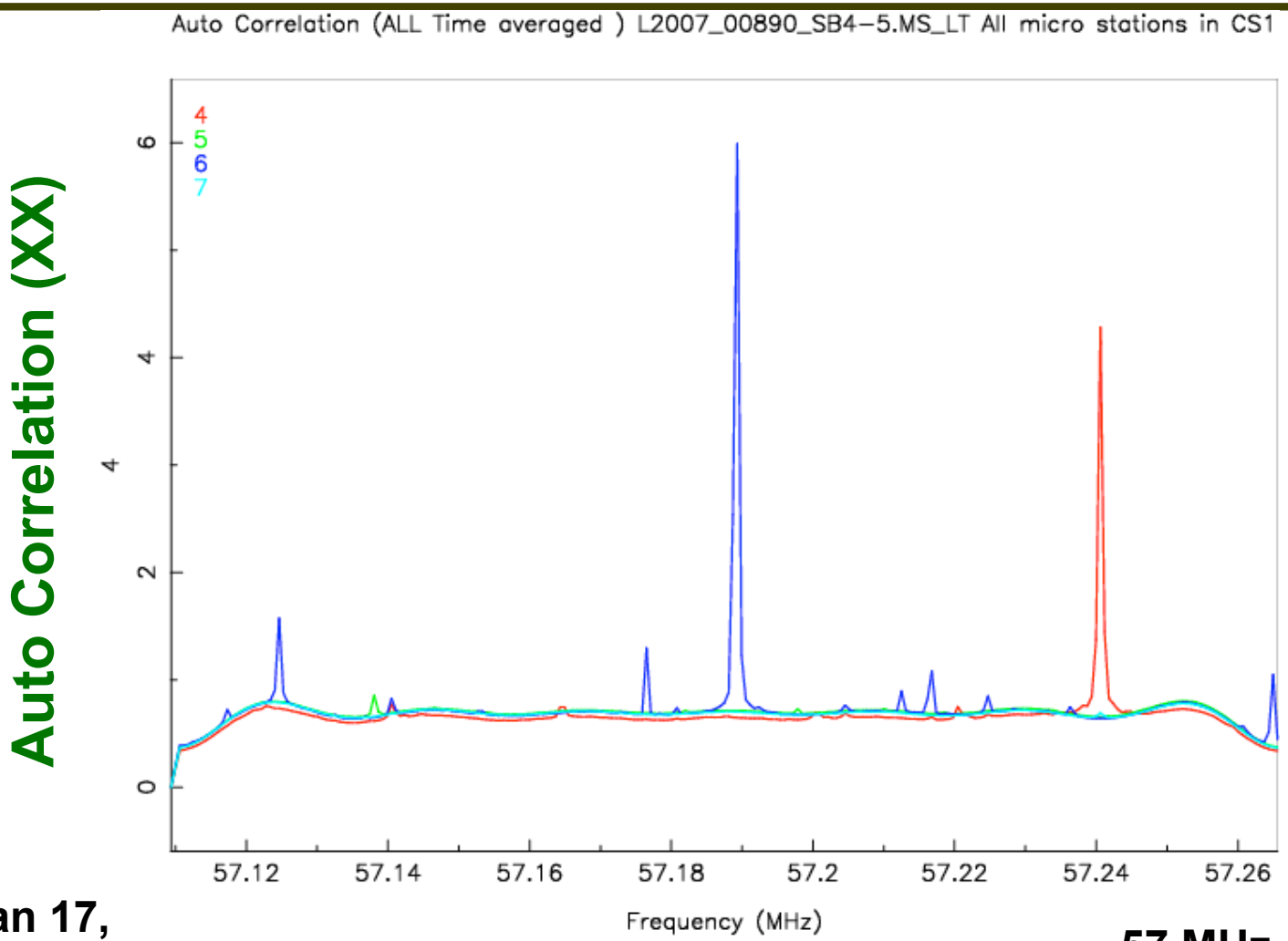


Jan 17,
18:10hrs-09:06hrs
~15 hours

Frequency (MHz)

52 MHz
156KHz wide

MS890S4 - Avg(channels 6:250) CS1

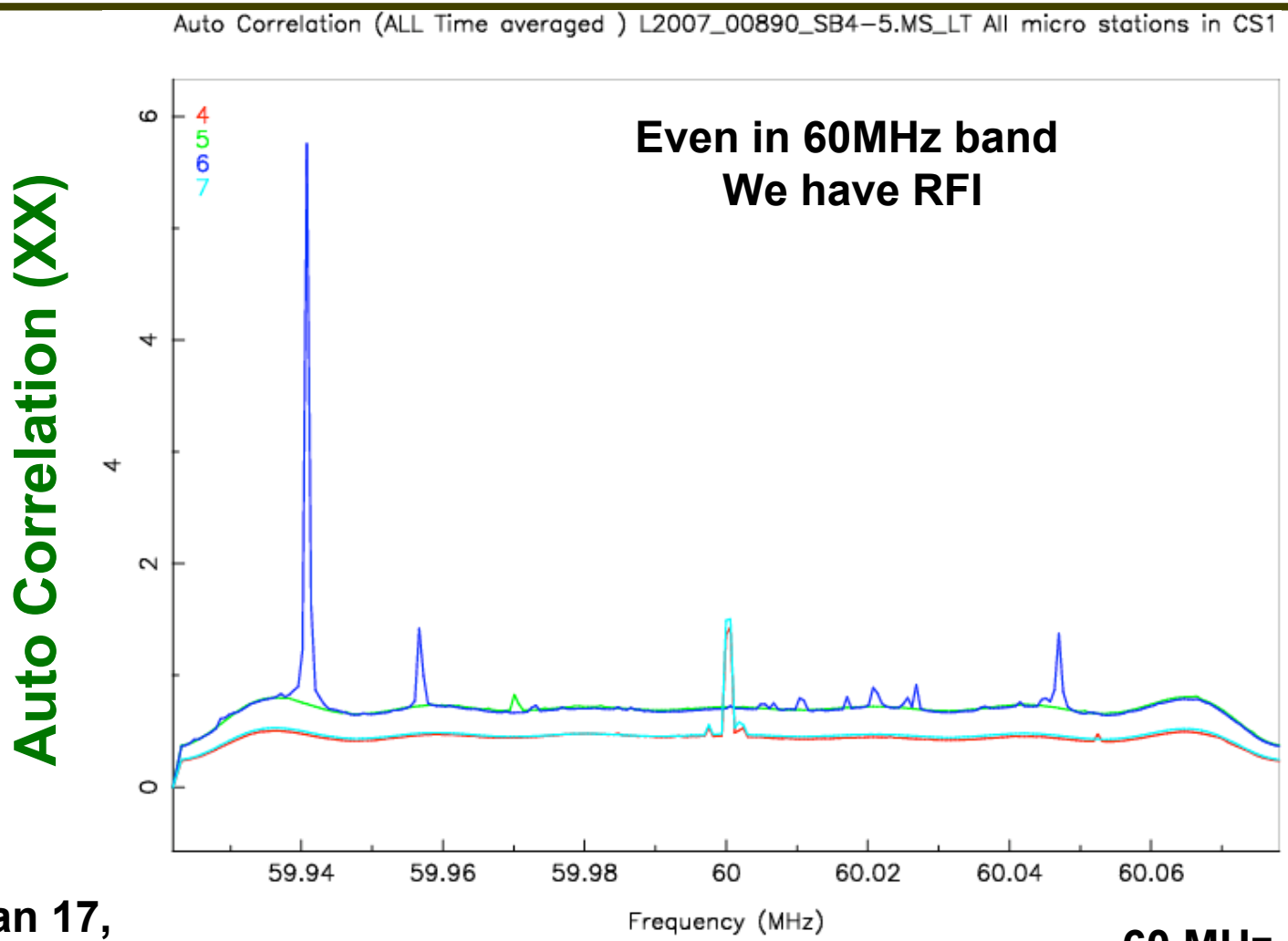


Jan 17,
18:10hrs-09:06hrs
~15 hours

Frequency (MHz)

57 MHz
156KHz wide

MS890S5 - Avg(channels 6:250) CS1

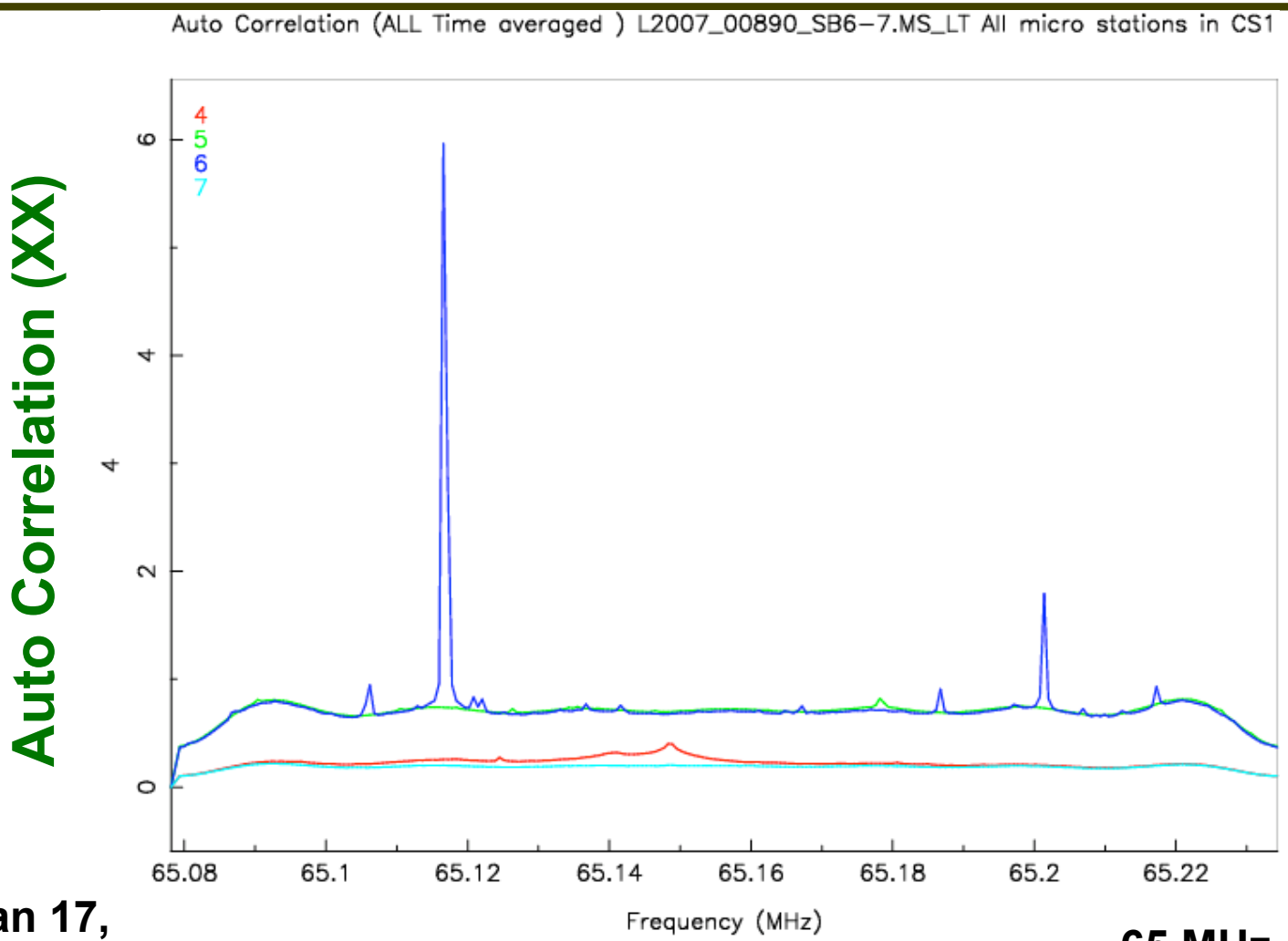


Jan 17,
18:10hrs-09:06hrs
~15 hours

Frequency (MHz)

60 MHz
156KHz wide

MS890S6 - Avg(channels 6:250) CS1

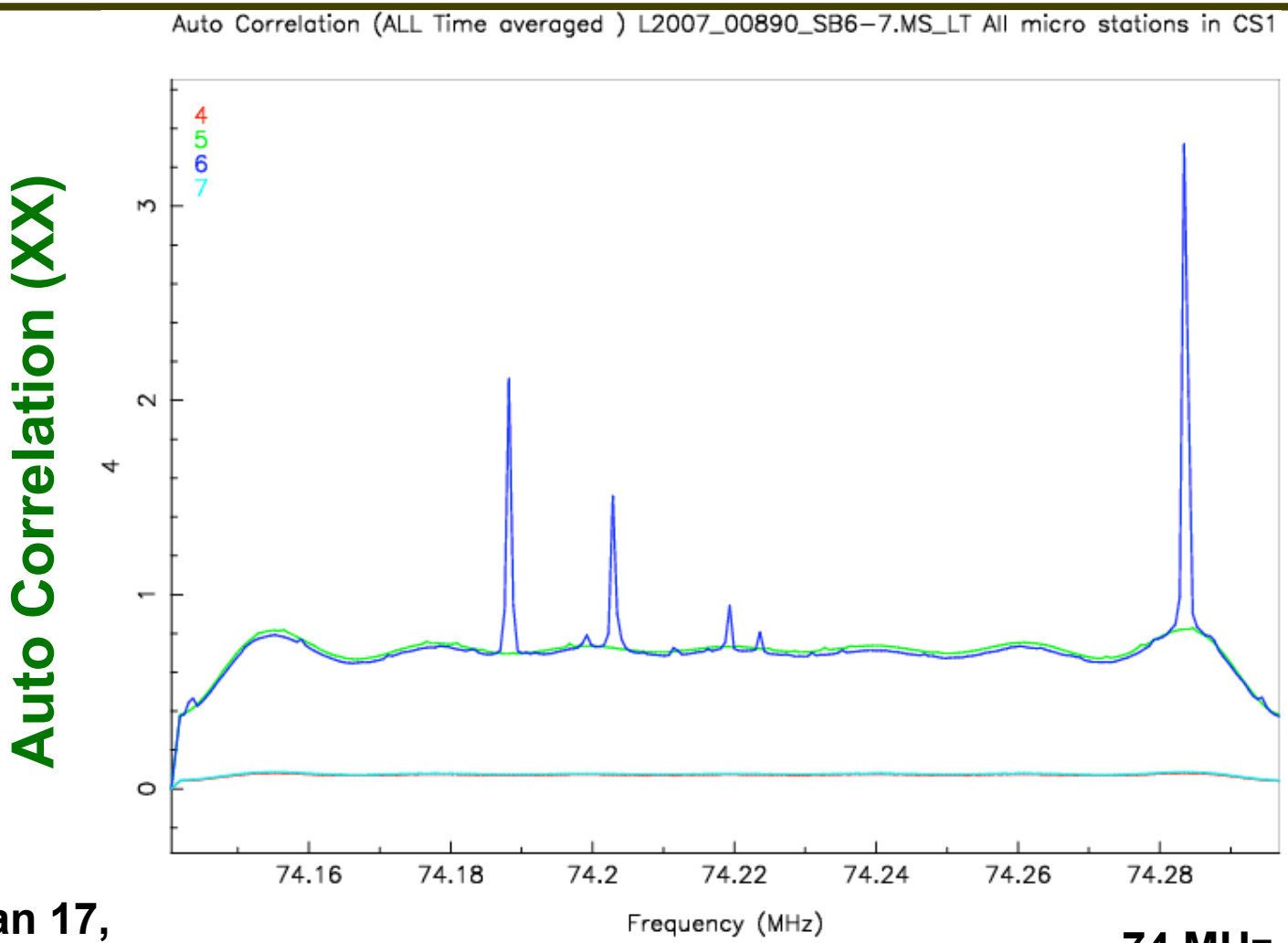


Jan 17,
18:10hrs-09:06hrs
~15 hours

Frequency (MHz)

65 MHz
156KHz wide

MS890S7 - Avg(channels 6:250) CS1

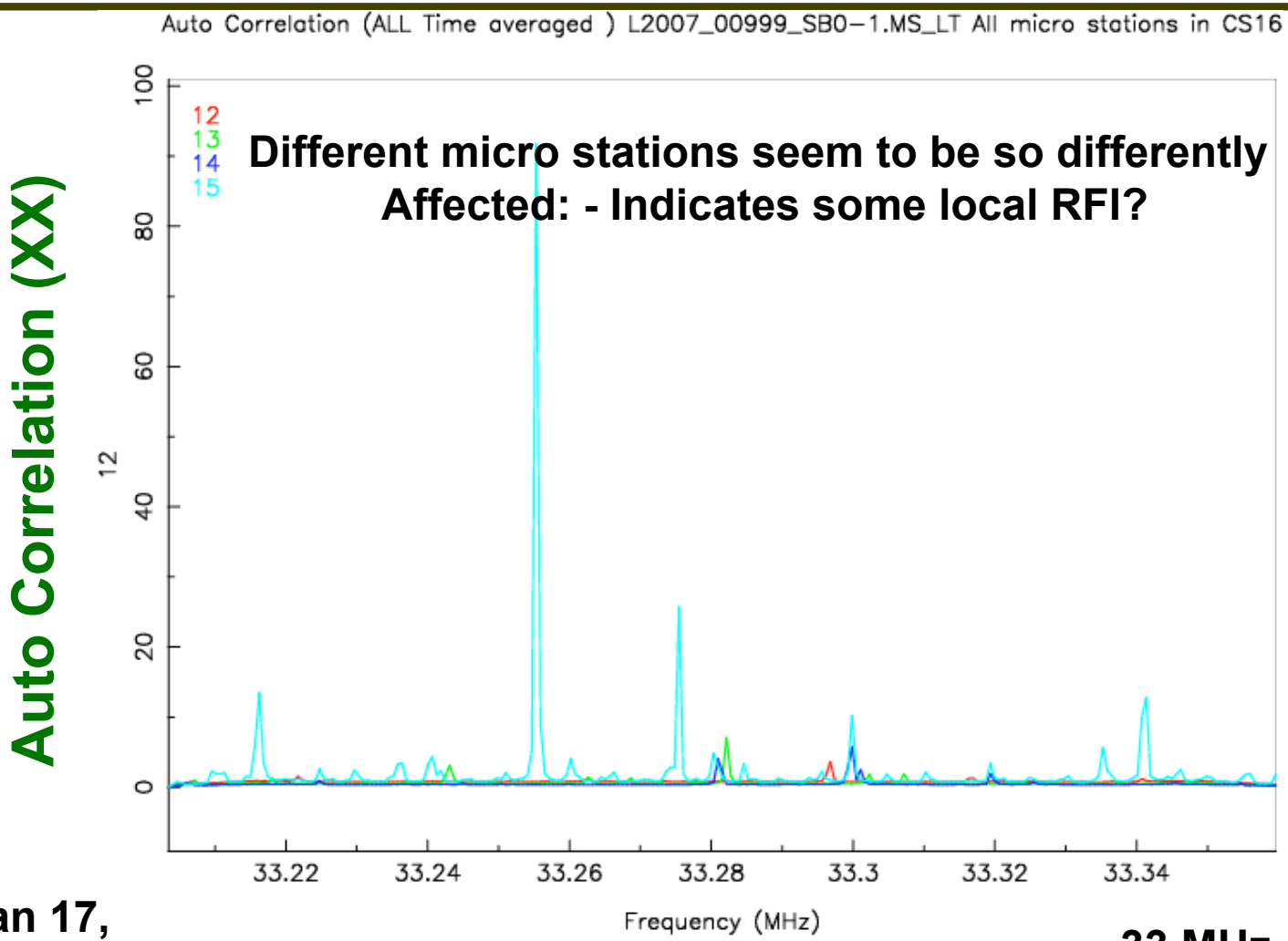


Jan 17,
18:10hrs-09:06hrs
~15 hours

Frequency (MHz)

74 MHz
156KHz wide

MS999S1 - Avg(channels 6:250) CS1



Jan 17,
16:44hrs-08:40hrs
~16 hours

Frequency (MHz)

33 MHz
156KHz wide