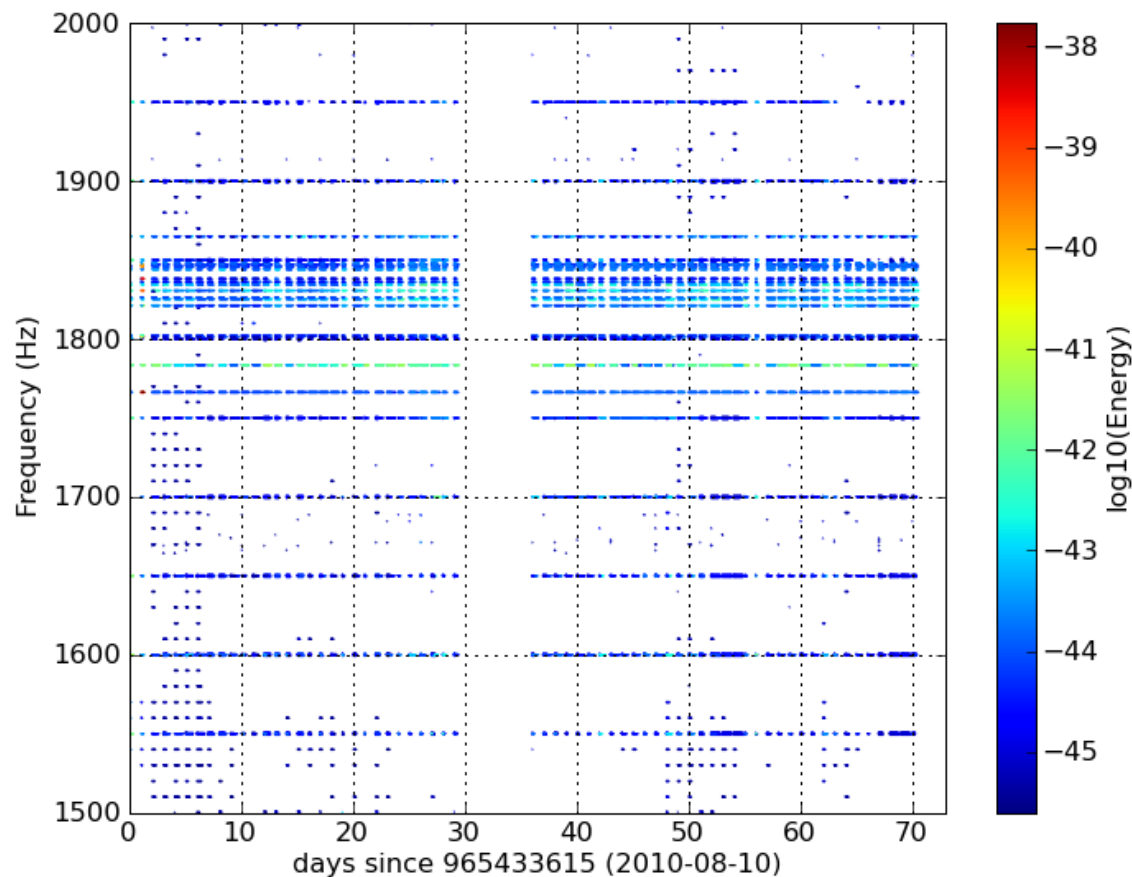


# List of VSR3\_Hrec\_1mHz\_KNOWN lines - frequency: 1500 - 2000 Hz

## Summary plot:

Lines trend - 1500\_2000



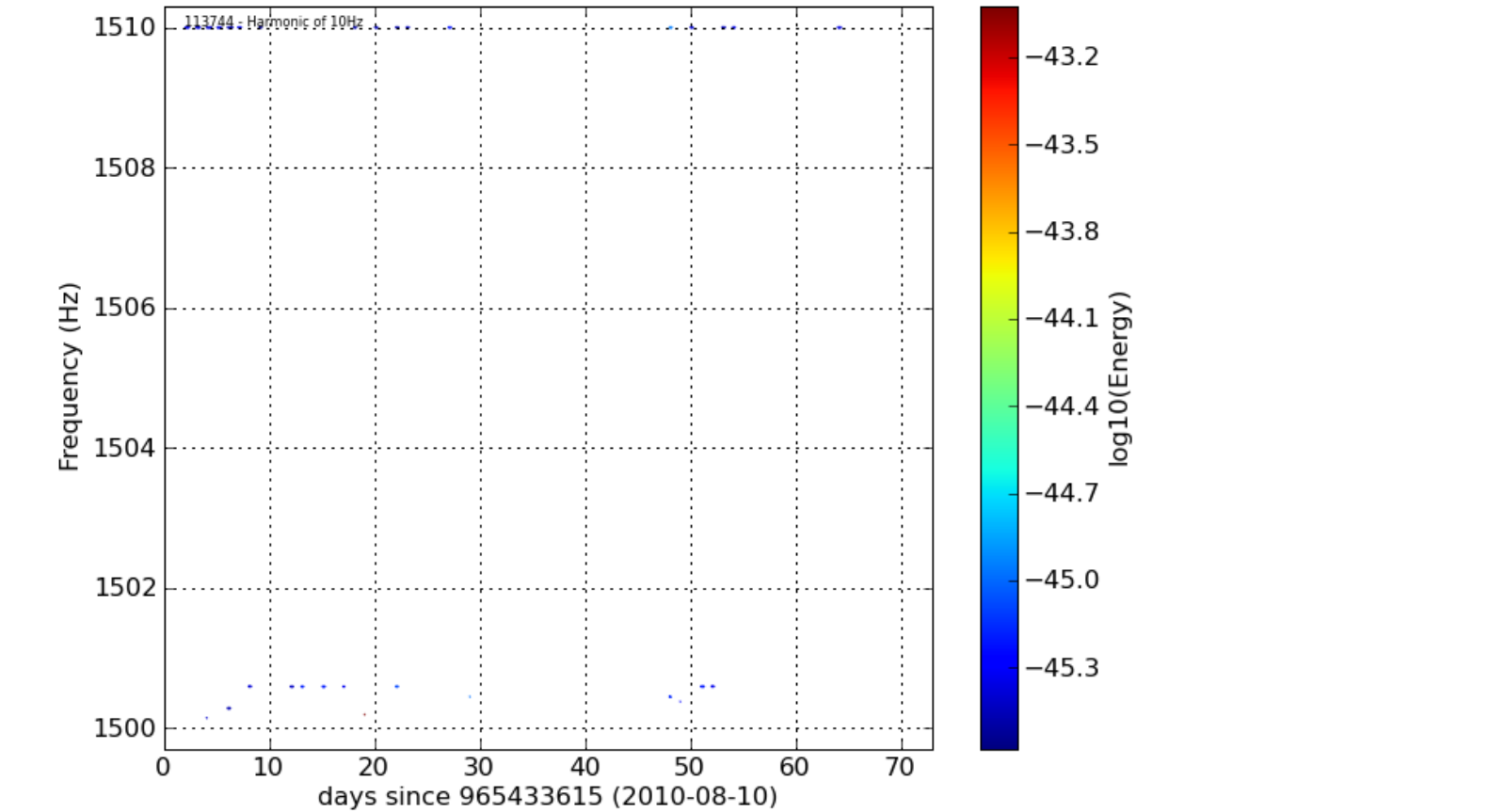
### Lines list (text file)

Frequency range (Hz):  
1500-1510 ( 1 ) | 1510-1520 ( 1 ) | 1520-1530 ( 1 ) | 1530-1540 ( 2 ) | 1540-1550 ( 8 ) | 1550-1560 ( 9 ) | 1560-1570 ( 1 ) | 1570-1580 ( 0 ) | 1580-1590 ( 0 ) | 1590-1600 ( 8 ) |  
1600-1610 ( 7 ) | 1610-1620 ( 0 ) | 1620-1630 ( 0 ) | 1630-1640 ( 0 ) | 1640-1650 ( 8 ) | 1650-1660 ( 8 ) | 1660-1670 ( 0 ) | 1670-1680 ( 0 ) | 1680-1690 ( 0 ) | 1690-1700 ( 5 ) |  
1700-1710 ( 4 ) | 1710-1720 ( 0 ) | 1720-1730 ( 0 ) | 1730-1740 ( 0 ) | 1740-1750 ( 2 ) | 1750-1760 ( 2 ) | 1760-1770 ( 2 ) | 1770-1780 ( 0 ) | 1780-1790 ( 2 ) | 1790-1800 ( 1 ) |  
1800-1810 ( 5 ) | 1810-1820 ( 0 ) | 1820-1830 ( 5 ) | 1830-1840 ( 7 ) | 1840-1850 ( 8 ) | 1850-1860 ( 3 ) | 1860-1870 ( 2 ) | 1870-1880 ( 0 ) | 1880-1890 ( 0 ) | 1890-1900 ( 4 ) |  
1900-1910 ( 5 ) | 1910-1920 ( 1 ) | 1920-1930 ( 0 ) | 1930-1940 ( 0 ) | 1940-1950 ( 2 ) | 1950-1960 ( 2 ) | 1960-1970 ( 0 ) | 1970-1980 ( 0 ) | 1980-1990 ( 0 ) | 1990-2000 ( 1 ) |

Number of lines found in this frequency range: 117

### [1500 - 1510 Hz] (1 lines found)

Lines trend - 1500\_1510

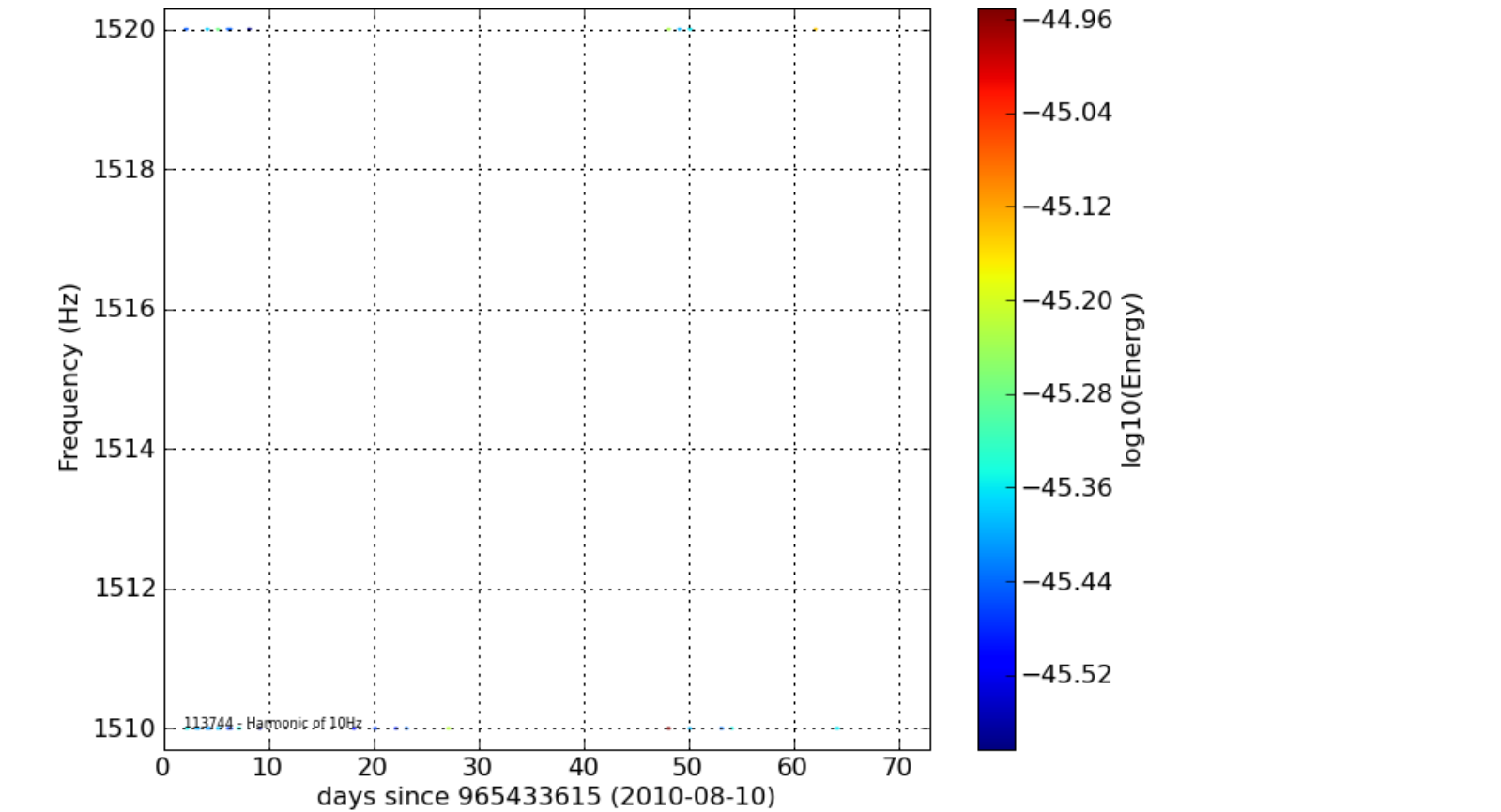


| Id     | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels   | Metadata         | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|--------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|---|------------------|----------------------|--------------------------|--------------------------|
| 113744 | 1510.000            | [1509.999, 1510.000] | 2010-08-12/2010-10-13<br>0.26 | 0.34      | 4.81    | 0.001           | Em_SEDBDL03(88.2%)<br>Em_MABDCE01(70.6%)<br>Em_MABDWE01(17.6%)<br>Em_MABDNE01(5.9%) | Harmonic of 10Hz | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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[1510 - 1520 Hz] (1 lines found)

Lines trend - 1510\_1520

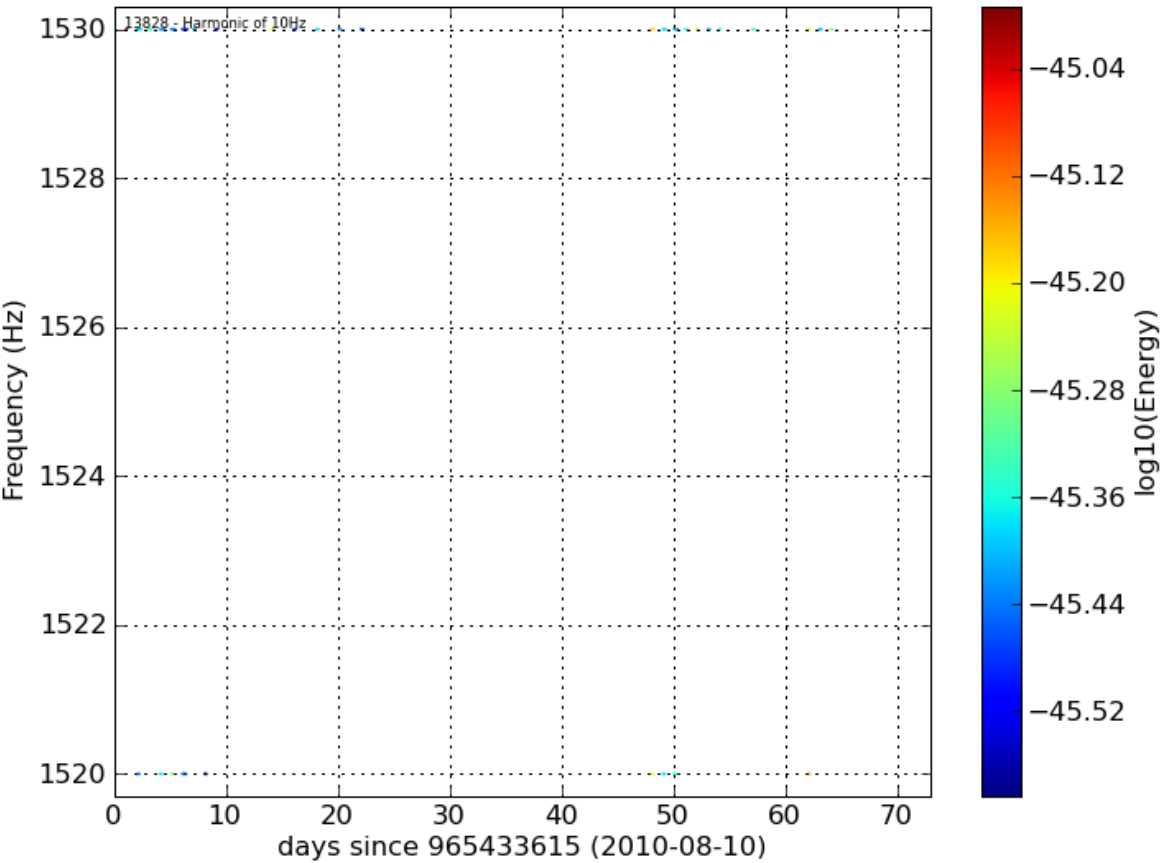


| Id     | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels   | Metadata         | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|--------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|---|------------------|----------------------|--------------------------|--------------------------|
| 113744 | 1510.000            | [1509.999, 1510.000] | 2010-08-12/2010-10-13<br>0.26 | 0.34      | 4.81    | 0.001           | Em_SEDBDL03(88.2%)<br>Em_MABDCE01(70.6%)<br>Em_MABDWE01(17.6%)<br>Em_MABDNE01(5.9%) | Harmonic of 10Hz | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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**[1520 - 1530 Hz] (1 lines found)**

Lines trend - 1520\_1530

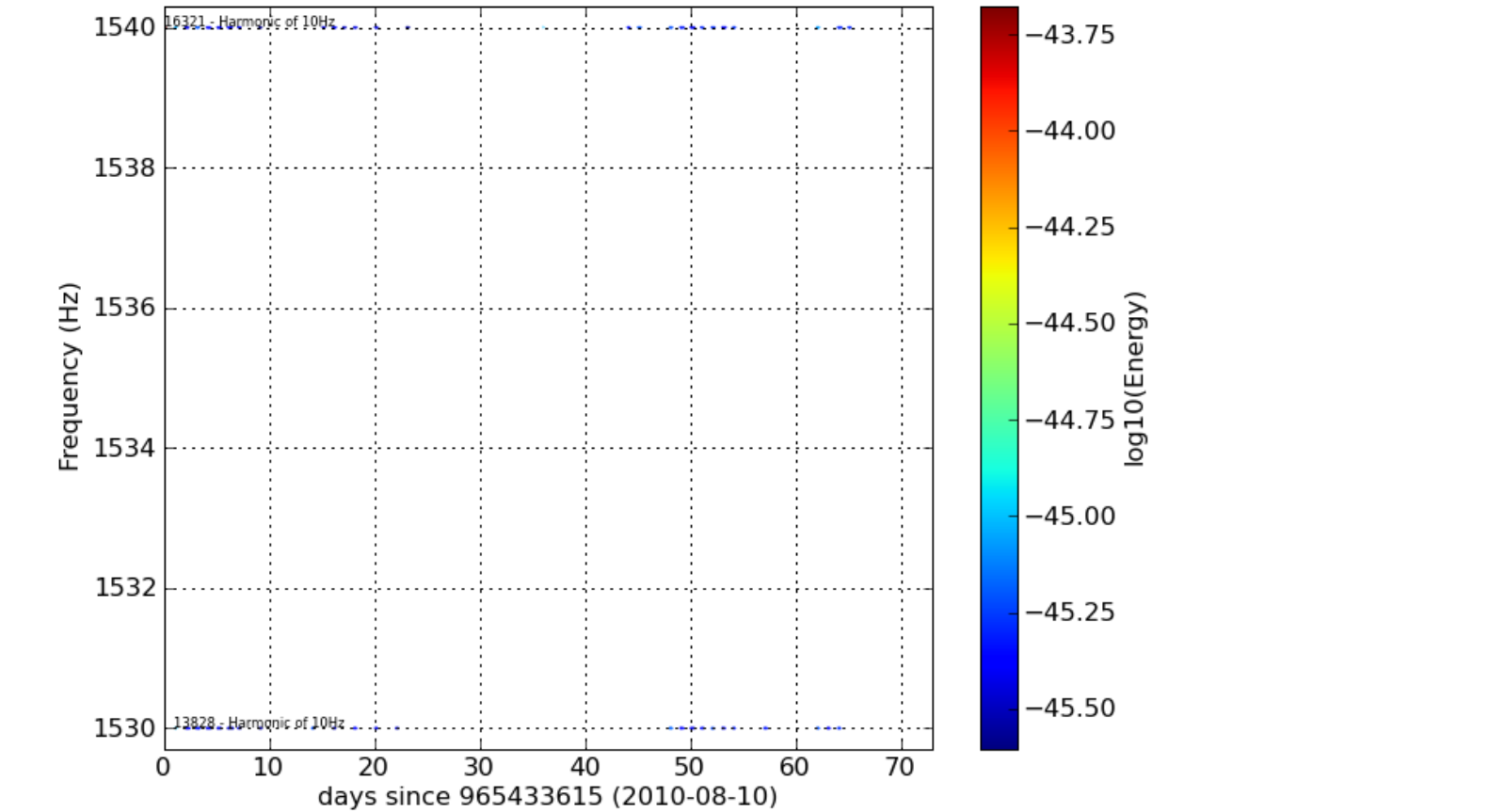


| Id    | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence   | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels | Metadata         | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|-------|---------------------|----------------------|----------------------------|-----------|---------|-----------------|-------------------------------|------------------|----------------------|--------------------------|--------------------------|
| 13828 | 1530.000            | [1529.997, 1530.000] | 2010-08-11/2010-10-13 0.37 | 0.33      | 4.89    | 0.001           |                               | Harmonic of 10Hz | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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**[\[1530 - 1540 Hz\] \(2 lines found\)](#)**

Lines trend - 1530\_1540

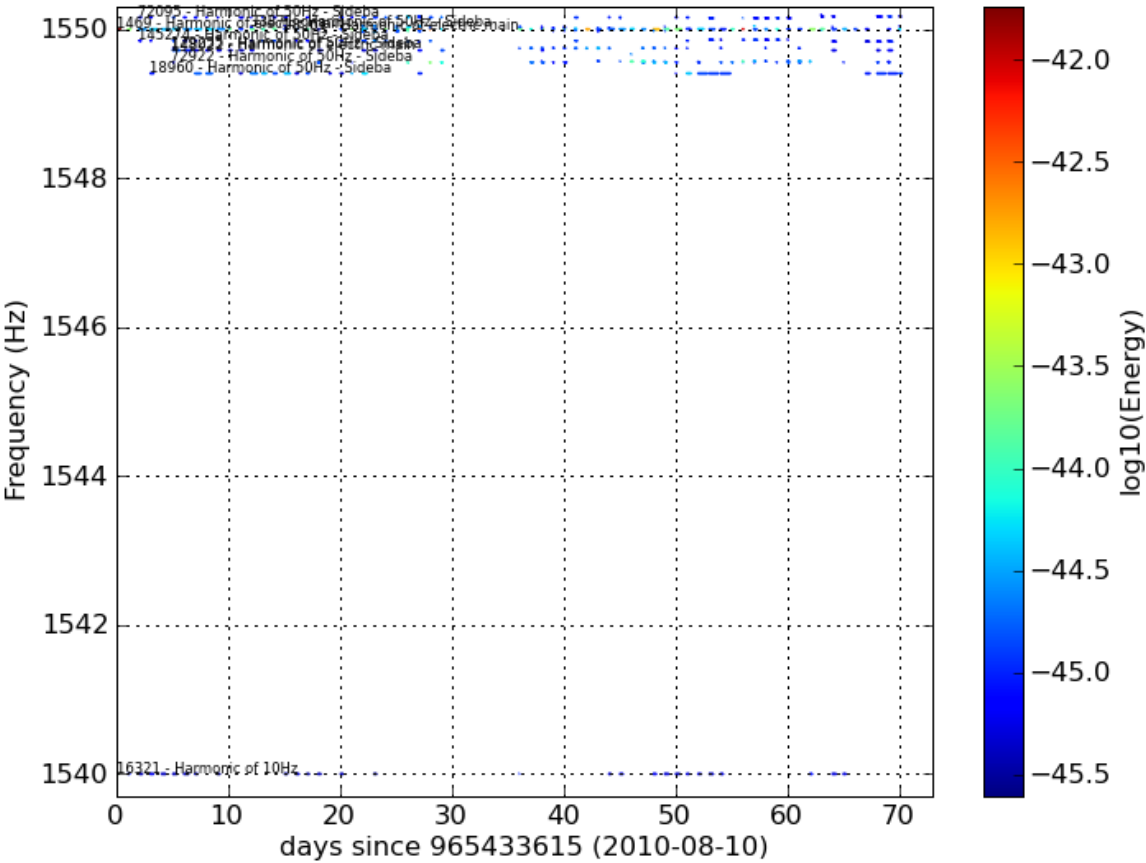


| Id    | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels            | Metadata         | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|-------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|--|------------------|----------------------|--------------------------|--------------------------|
| 13828 | 1530.000            | [1529.997, 1530.000] | 2010-08-11/2010-10-13<br>0.37 | 0.33      | 4.89    | 0.001           |  | Harmonic of 10Hz | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 16321 | 1540.000            | [1539.999, 1540.002] | 2010-08-10/2010-10-14<br>0.43 | 0.31      | 4.90    | 0.001           | Em_SEDBDL03(96.4%)<br>Em_MABDCE01(82.1%) | Harmonic of 10Hz | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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**[1540 - 1550 Hz] (8 lines found)**

Lines trend - 1540\_1550



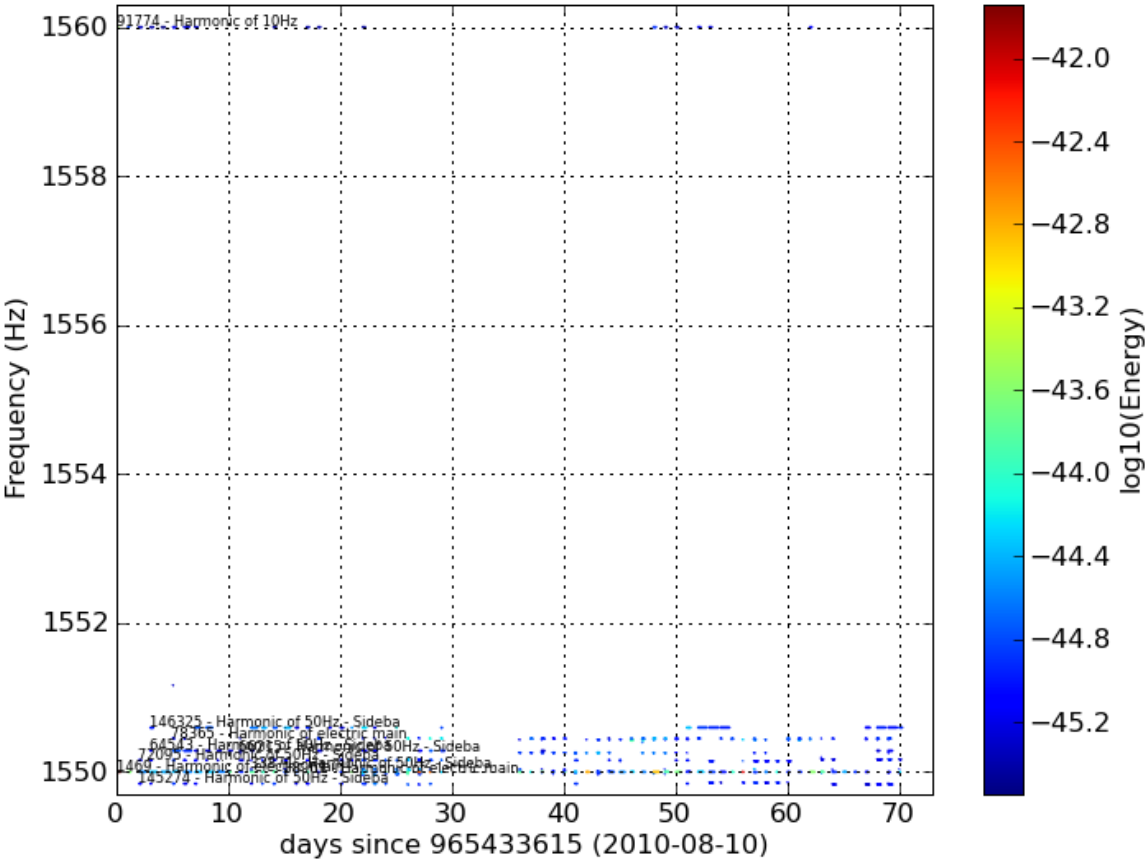
| Id     | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels            | Metadata  | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|--------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|--|---|----------------------|--------------------------|--------------------------|
| 16321  | 1540.000            | [1539.999, 1540.002] | 2010-08-10/2010-10-14<br>0.43 | 0.31      | 4.90    | 0.001           | Em_SEDBDL03(96.4%)<br>Em_MABDCE01(82.1%) | Harmonic of 10Hz  | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 18960  | 1549.405            | [1549.404, 1549.406] | 2010-08-13/2010-10-19<br>0.37 | 0.46      | 8.69    | 0.001           |  | Harmonic of 50Hz - Sidebands  | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 72922  | 1549.557            | [1549.546, 1549.573] | 2010-08-15/2010-10-18<br>0.46 | 0.17      | 6.94    | 0.004           |  | Harmonic of 50Hz - Sidebands  | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 148022 | 1549.715            | [1549.714, 1549.715] | 2010-08-15/2010-10-18<br>0.26 | 0.37      | 5.65    | 0.001           |  | Harmonic of electric mains (50Hz) - Sidebands due to coupling with fundamental pendulum modes (0.2 Hz, 0.58 Hz) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 129255 | 1549.743            | [1549.737, 1549.751] | 2010-08-15/2010-10-10<br>0.28 | 0.15      | 6.32    | 0.005           | Em_MABDWE01(88.9%)                       | Harmonic of 50Hz - Sidebands  | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 145274 | 1549.846            | [1549.830, 1549.856] | 2010-08-12/2010-10-18<br>0.37 | 0.21      | 6.32    | 0.002           | Em_MABDMC02(25.0%)                       | Harmonic of 50Hz - Sidebands  | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 18961  | 1549.982            | [1549.969, 1550.008] | 2010-08-25/2010-09-28<br>0.22 | 0.12      | 5.79    | 0.002           |  | Harmonic of electric mains (50Hz)   | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

|      |          |                      |                               |      |      |       |  |                                   |                      |                          |                          |
|------|----------|----------------------|-------------------------------|------|------|-------|--|-----------------------------------|----------------------|--------------------------|--------------------------|
| 1469 | 1550.000 | [1549.980, 1550.017] | 2010-08-10/2010-10-19<br>0.97 | 0.30 | 9.13 | 0.003 | Em_SEDBDL03(50.7%)<br>Em_MABDWE01(47.9%)<br>Em_MABDCE01(47.9%)<br>Em_MABDMC02(47.9%)<br>Em_ACTCSNI(47.9%)<br>Em_MABDNE01(43.8%)<br>Em_SE_EIB_04(35.6%)<br>Em_SETODE01(12.3%) | Harmonic of electric mains (50Hz) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
|------|----------|----------------------|-------------------------------|------|------|-------|--|-----------------------------------|----------------------|--------------------------|--------------------------|

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[1550 - 1560 Hz] (9 lines found)

Lines trend - 1550\_1560



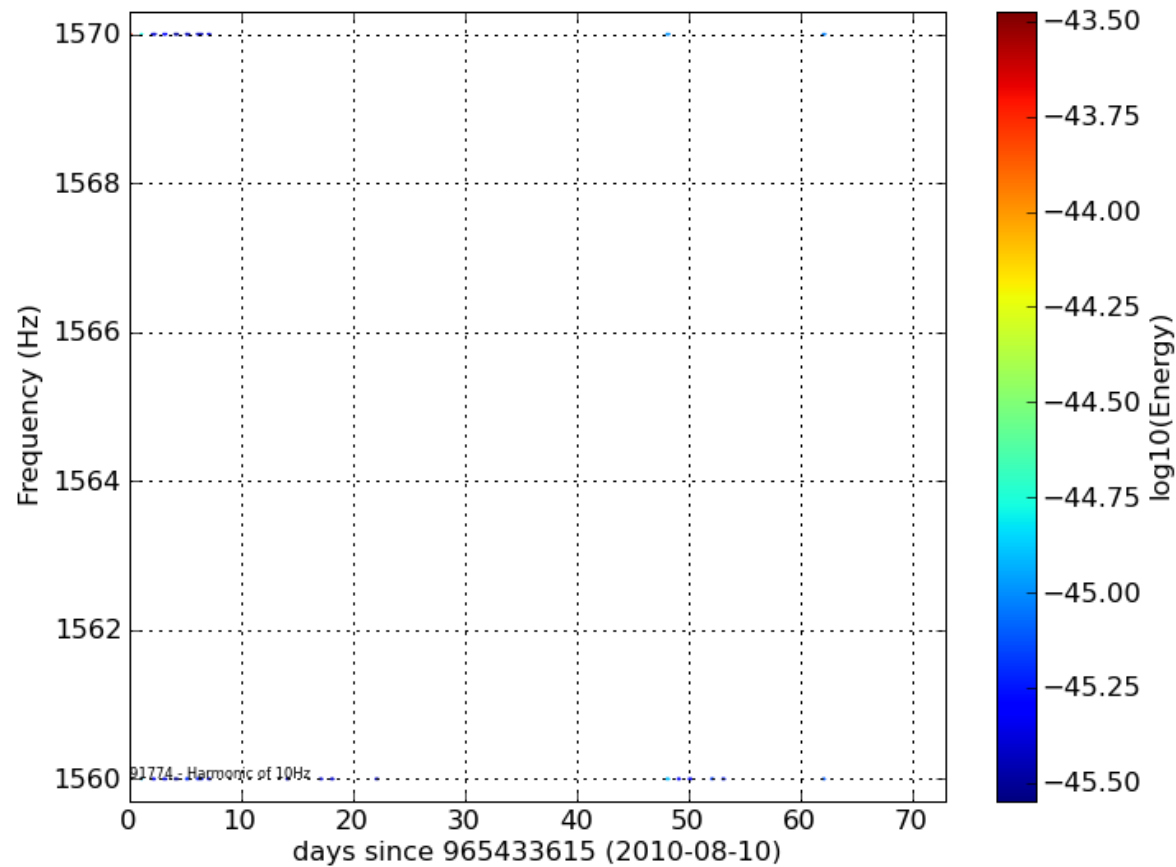
| Id    | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels  | Metadata                          | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|-------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|--|-----------------------------------|----------------------|--------------------------|--------------------------|
| 18961 | 1549.982            | [1549.969, 1550.008] | 2010-08-25/2010-09-28<br>0.22 | 0.12      | 5.79    | 0.002           |  | Harmonic of electric mains (50Hz) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 1469  | 1550.000            | [1549.980, 1550.017] | 2010-08-10/2010-10-19<br>0.97 | 0.30      | 9.13    | 0.003           | Em_SEDBDL03(50.7%)<br>Em_MABDWE01(47.9%)<br>Em_MABDCE01(47.9%)<br>Em_MABDMC02(47.9%)<br>Em_ACTCSNI(47.9%)<br>Em_MABDNE01(43.8%)<br>Em_SE_EIB_04(35.6%)<br>Em_SETODE01(12.3%) | Harmonic of electric mains (50Hz) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 33871 | 1550.032            | [1550.026, 1550.043] | 2010-08-22/2010-10-19<br>0.23 | 0.14      | 5.83    | 0.002           |  | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

|        |          |                      |                               |      |      |       |  |   |                      |                          |                          |
|--------|----------|----------------------|-------------------------------|------|------|-------|--|---|----------------------|--------------------------|--------------------------|
| 72095  | 1550.155 | [1550.144, 1550.159] | 2010-08-12/2010-10-09<br>0.52 | 0.21 | 6.21 | 0.002 |  | Harmonic of 50Hz - Sidebands  | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 66215  | 1550.256 | [1550.244, 1550.263] | 2010-08-21/2010-10-18<br>0.28 | 0.15 | 6.63 | 0.006 | Em_MABDWE01(77.8%)<br>Em_MABDMC02(5.6%)  | Harmonic of 50Hz - Sidebands  | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 64543  | 1550.285 | [1550.284, 1550.285] | 2010-08-13/2010-10-18<br>0.28 | 0.37 | 5.93 | 0.001 |  | Harmonic of 50Hz - Sidebands  | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 78365  | 1550.444 | [1550.419, 1550.458] | 2010-08-15/2010-10-18<br>0.63 | 0.17 | 6.91 | 0.004 |  | Harmonic of electric mains (50Hz) - Sidebands due to coupling with fundamental pendulum modes (0.2 Hz, 0.58 Hz) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 146325 | 1550.595 | [1550.593, 1550.596] | 2010-08-13/2010-10-19<br>0.37 | 0.45 | 8.86 | 0.001 |  | Harmonic of 50Hz - Sidebands  | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 91774  | 1560.000 | [1559.999, 1560.001] | 2010-08-10/2010-10-11<br>0.28 | 0.29 | 4.98 | 0.001 | Em_SEDBDL03(11.1%)<br>Em_MABDCE01(11.1%) | Harmonic of 10Hz  | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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[1560 - 1570 Hz] (1 lines found)

Lines trend - 1560\_1570



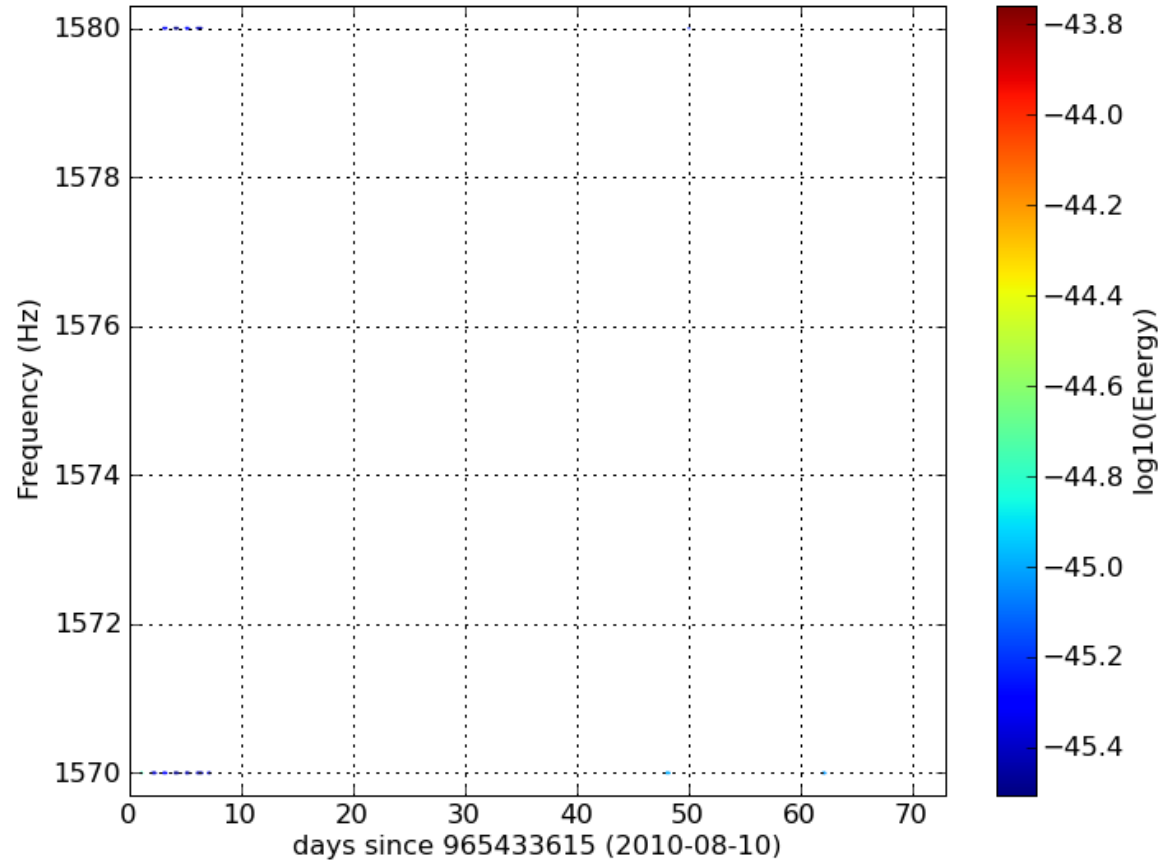
| Id | Mean Frequency | Frequency range (Hz) | First/last seen | Mean pers | Mean CR | Mean sigma | Coincident auxiliary channels | Metadata | Verbose dump | Plot Time-Frequency | Plot Time- |
|----|----------------|----------------------|-----------------|-----------|---------|------------|-------------------------------|----------|--------------|---------------------|------------|
|----|----------------|----------------------|-----------------|-----------|---------|------------|-------------------------------|----------|--------------|---------------------|------------|

|       | (Hz)     |                      | Presence                   |      |      | (Hz)  |  |                  |      |          | Ampli    |
|-------|----------|----------------------|----------------------------|------|------|-------|--|------------------|------|----------|----------|
| 91774 | 1560.000 | [1559.999, 1560.001] | 2010-08-10/2010-10-11 0.28 | 0.29 | 4.98 | 0.001 | Em_SEDBDL03(11.1%)<br>Em_MABDCE01(11.1%) | Harmonic of 10Hz | dump | plot t-f | plot t-a |

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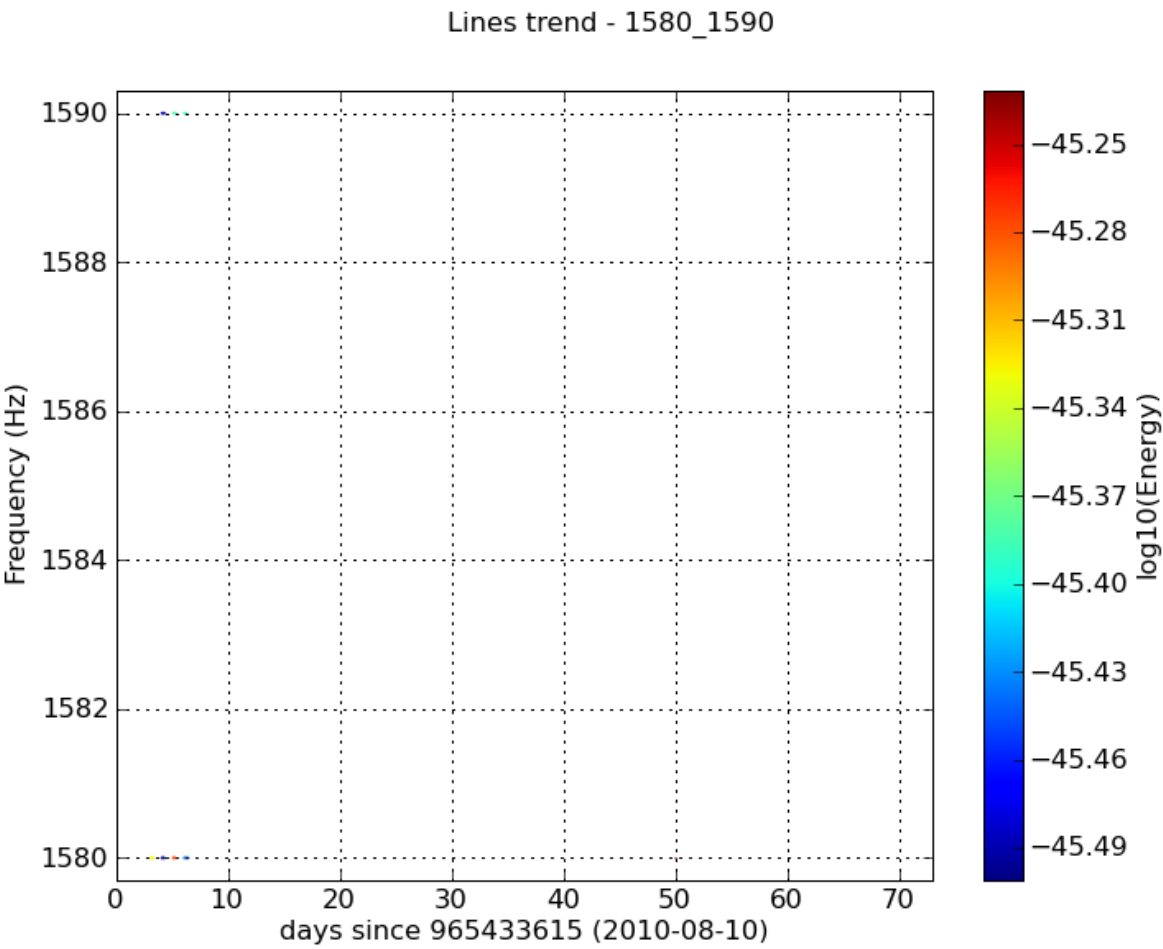
[1570 - 1580 Hz] (0 lines found)

Lines trend - 1570\_1580



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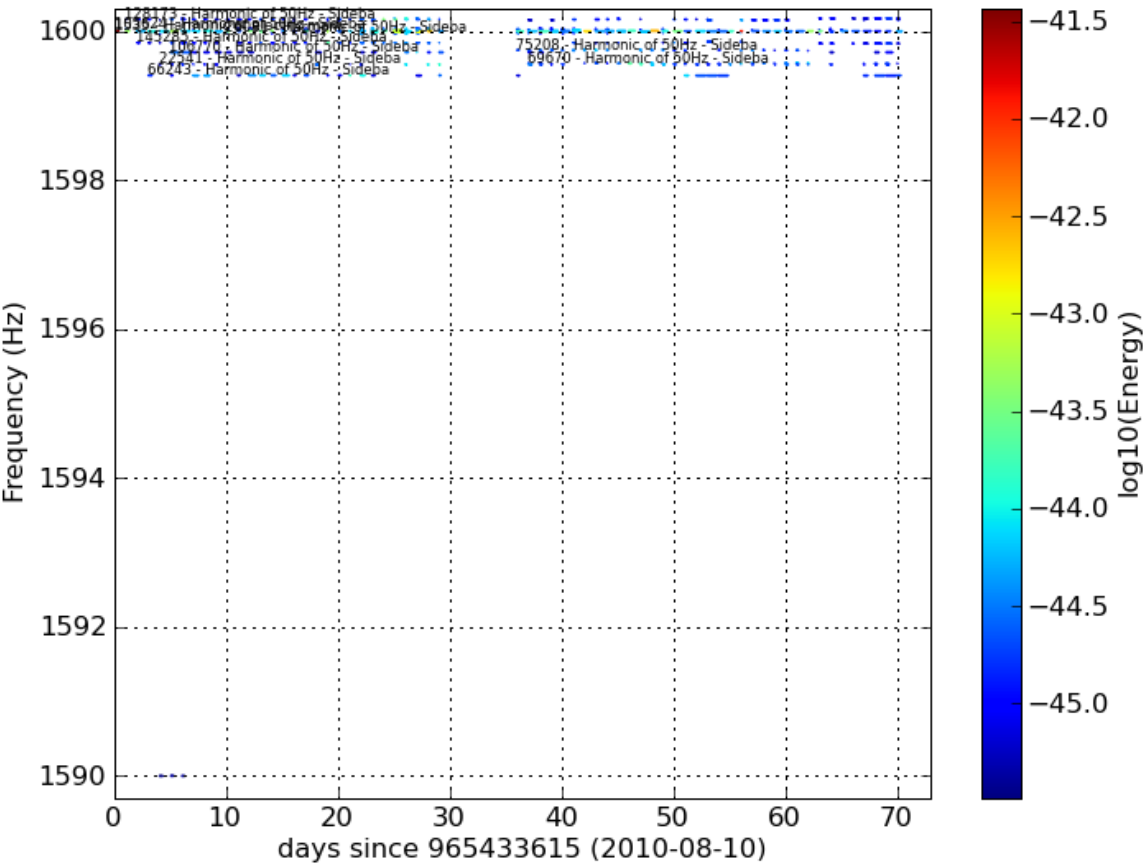
[1580 - 1590 Hz] (0 lines found)



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**[1590 - 1600 Hz] (8 lines found)**

Lines trend - 1590\_1600



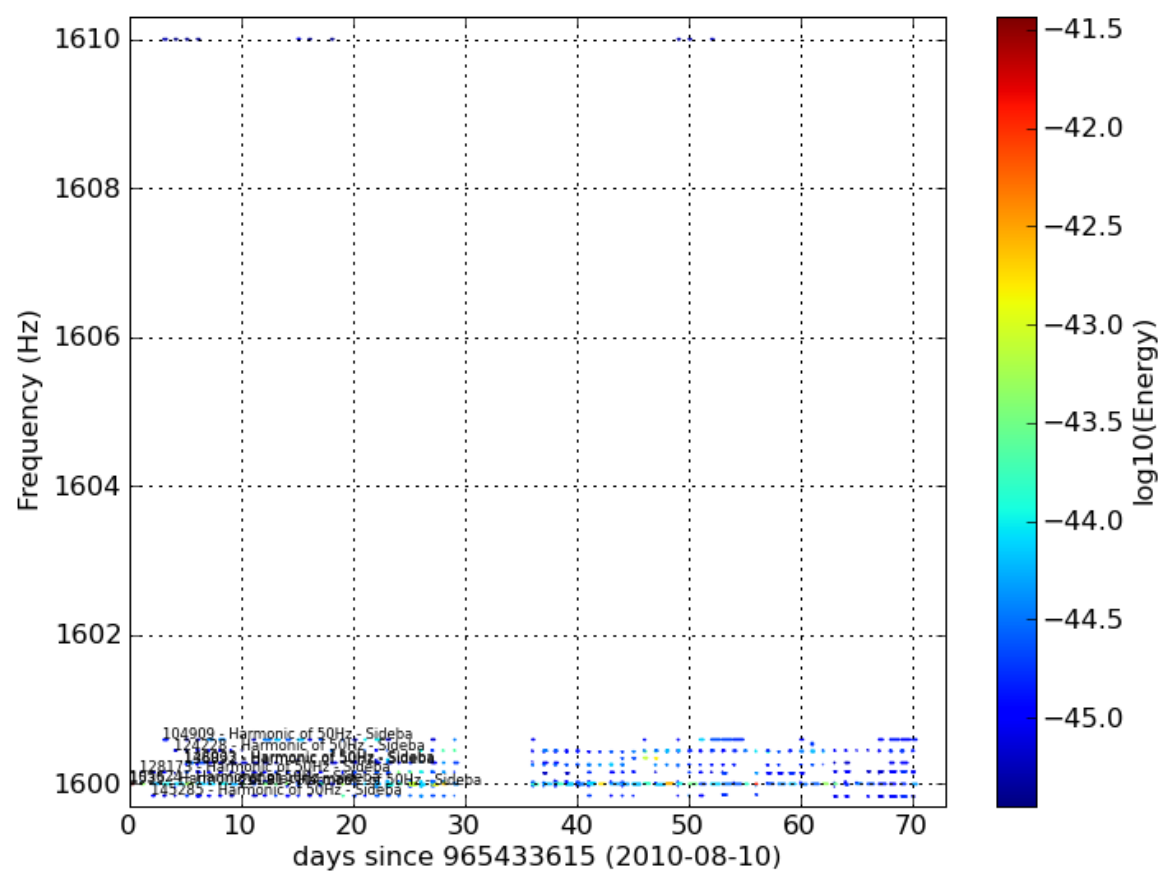
| Id     | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels   | Metadata                     | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|--------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|---|------------------------------|----------------------|--------------------------|--------------------------|
| 66243  | 1599.405            | [1599.403, 1599.406] | 2010-08-13/2010-10-19<br>0.42 | 0.47      | 10.23   | 0.001           |   | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 22541  | 1599.553            | [1599.545, 1599.571] | 2010-08-14/2010-10-18<br>0.55 | 0.19      | 7.38    | 0.004           |   | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 69670  | 1599.565            | [1599.559, 1599.577] | 2010-09-16/2010-10-19<br>0.35 | 0.15      | 7.10    | 0.004           | Em_MABDMC02(17.4%)<br>Em_MABDNE01(8.7%)   | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 106770 | 1599.715            | [1599.714, 1599.716] | 2010-08-15/2010-10-18<br>0.31 | 0.43      | 6.19    | 0.001           | Em_MABDMC02(15.0%)  | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 75208  | 1599.744            | [1599.733, 1599.754] | 2010-09-15/2010-10-11<br>0.34 | 0.15      | 6.92    | 0.008           | Em_MABDWE01(86.4%)  | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 145285 | 1599.841            | [1599.830, 1599.855] | 2010-08-12/2010-10-19<br>0.65 | 0.25      | 6.69    | 0.002           |   | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 26081  | 1599.973            | [1599.968, 1599.978] | 2010-08-20/2010-10-05<br>0.25 | 0.16      | 6.07    | 0.003           |   | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
|        |                     |                      |                               |           |         |                 | Em_SE_EIB_04(56.1%)<br>Em_SEDBDL03(53.7%)<br>Em_MABDWE01(53.7%)<br>Em_MABDCE01(53.7%) |                              |                      |                          |                          |

|      |          |                      |                               |      |       |       |   |                                   |                      |                          |                          |
|------|----------|----------------------|-------------------------------|------|-------|-------|---|-----------------------------------|----------------------|--------------------------|--------------------------|
| 1535 | 1600.003 | [1599.979, 1600.021] | 2010-08-10/2010-10-19<br>1.00 | 0.45 | 10.24 | 0.006 | Em_ACTCSNI(53.7%)<br>Em_MABDNE01(52.4%)<br>Em_MABDMC02(52.4%)<br>Em_SETODE01(24.4%)<br>TCS_NI_Power(18.3%)<br>Em_AC_EIB(7.3%) | Harmonic of electric mains (50Hz) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
|------|----------|----------------------|-------------------------------|------|-------|-------|---|-----------------------------------|----------------------|--------------------------|--------------------------|

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**[1600 - 1610 Hz] (7 lines found)**

Lines trend - 1600\_1610



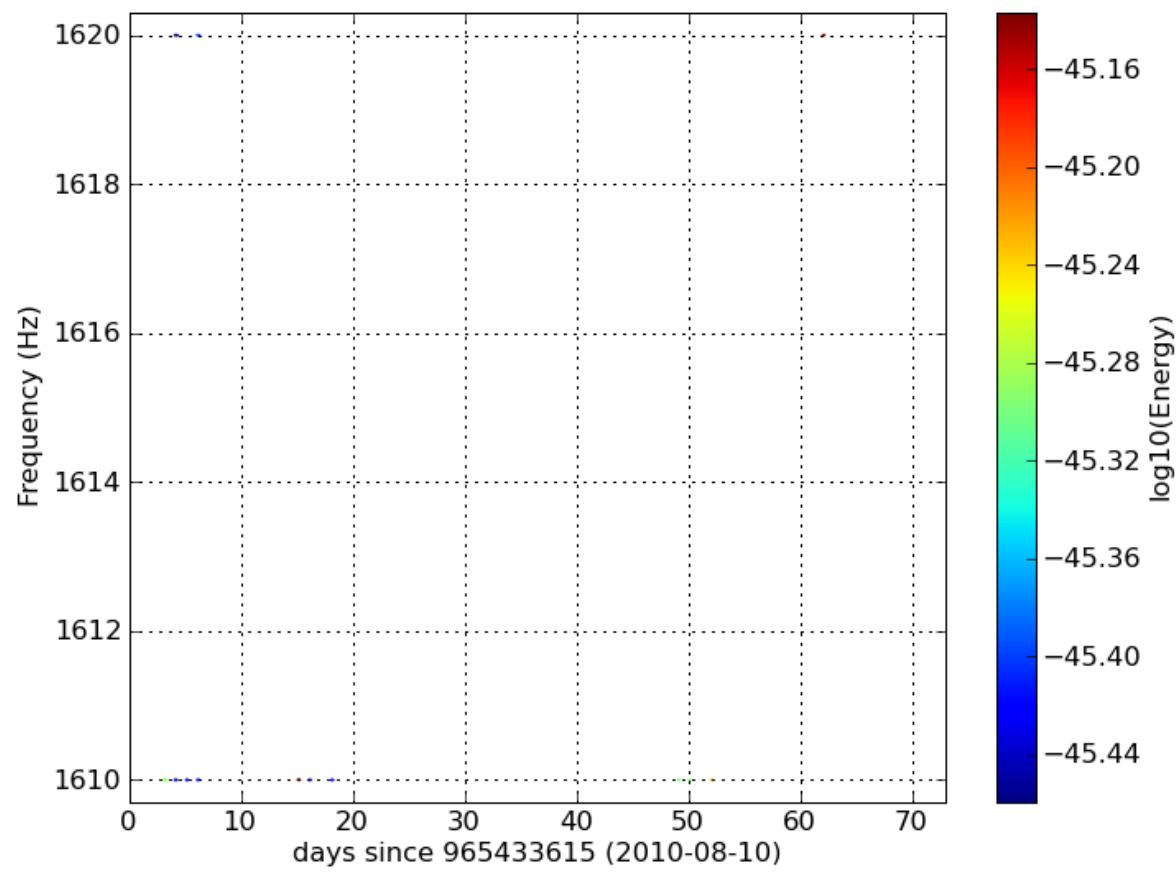
| Id     | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels  | Metadata                          | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|--------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|--|-----------------------------------|----------------------|--------------------------|--------------------------|
| 1535   | 1600.003            | [1599.979, 1600.021] | 2010-08-10/2010-10-19<br>1.00 | 0.45      | 10.24   | 0.006           | Em_SE_EIB_04(56.1%)<br>Em_SEBBDL03(53.7%)<br>Em_MABDWE01(53.7%)<br>Em_MABDCE01(53.7%)<br>Em_ACTCSNI(53.7%)<br>Em_MABDNE01(52.4%)<br>Em_MABDMC02(52.4%)<br>Em_SETODE01(24.4%)<br>TCS_NI_Power(18.3%)<br>Em_AC_EIB(7.3%) | Harmonic of electric mains (50Hz) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 105624 | 1600.030            | [1600.011, 1600.043] | 2010-08-10/2010-10-13<br>0.40 | 0.16      | 6.21    | 0.005           | Em_MABDCE01(18.2%)   | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 128173 | 1600.153            | [1600.134, 1600.168] | 2010-08-11/2010-10-19<br>0.71 | 0.23      | 6.69    | 0.002           | Em_ACBDCE01(9.4%)<br>Em_MABDMC02(5.7%)<br>Em_SETODE01(5.7%)  | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

|        |          |                      |                               |      |      |       |  |                              |                      |                          |                          |
|--------|----------|----------------------|-------------------------------|------|------|-------|--|------------------------------|----------------------|--------------------------|--------------------------|
| 136892 | 1600.257 | [1600.235, 1600.270] | 2010-08-15/2010-10-11<br>0.37 | 0.15 | 7.01 | 0.009 | Em_MABDWE01(84.6%)<br>Em_MABDMC02(38.5%) | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 148033 | 1600.288 | [1600.284, 1600.299] | 2010-08-15/2010-10-18<br>0.42 | 0.37 | 6.44 | 0.001 |  | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 124228 | 1600.444 | [1600.427, 1600.553] | 2010-08-14/2010-10-19<br>0.77 | 0.18 | 7.33 | 0.006 | Em_MABDMC02(6.8%)                        | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 104909 | 1600.595 | [1600.593, 1600.598] | 2010-08-13/2010-10-19<br>0.48 | 0.44 | 9.59 | 0.001 |  | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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[1610 - 1620 Hz] (0 lines found)

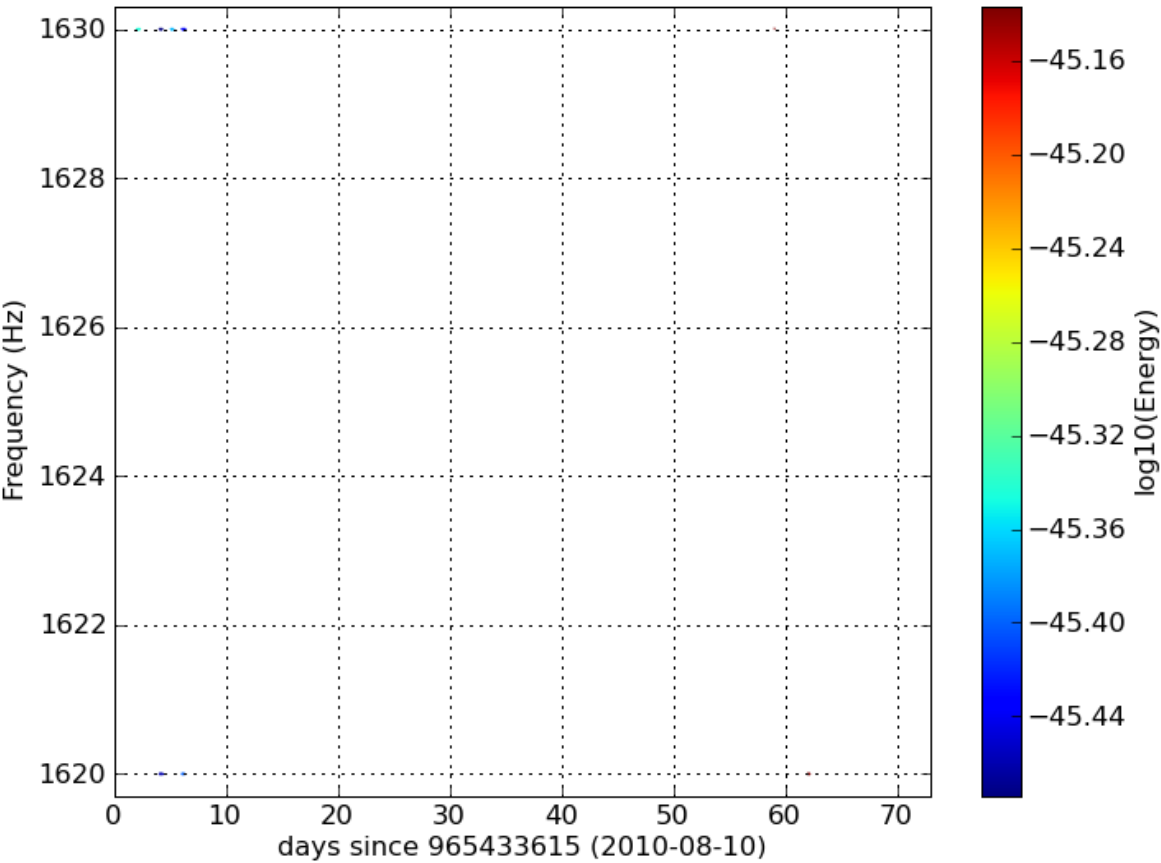
Lines trend - 1610\_1620



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[1620 - 1630 Hz] (0 lines found)

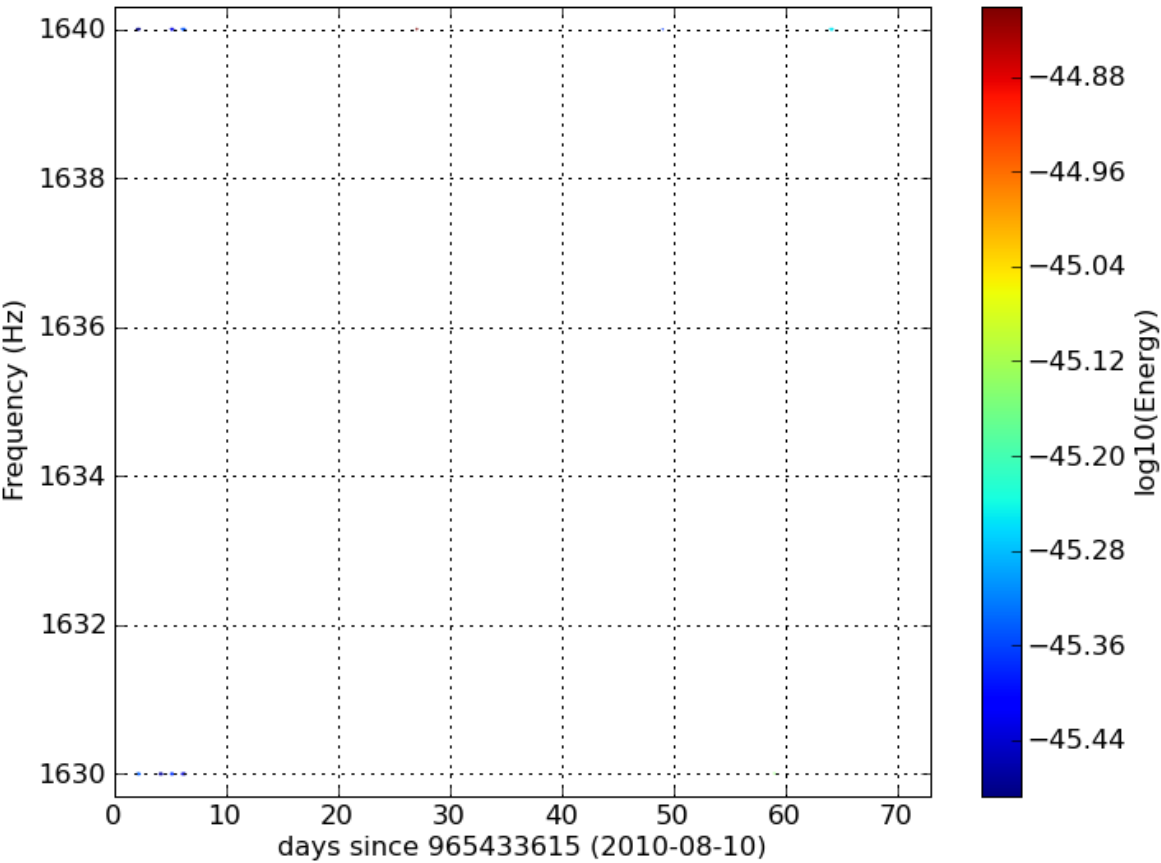
Lines trend - 1620\_1630



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**[1630 - 1640 Hz] (0 lines found)**

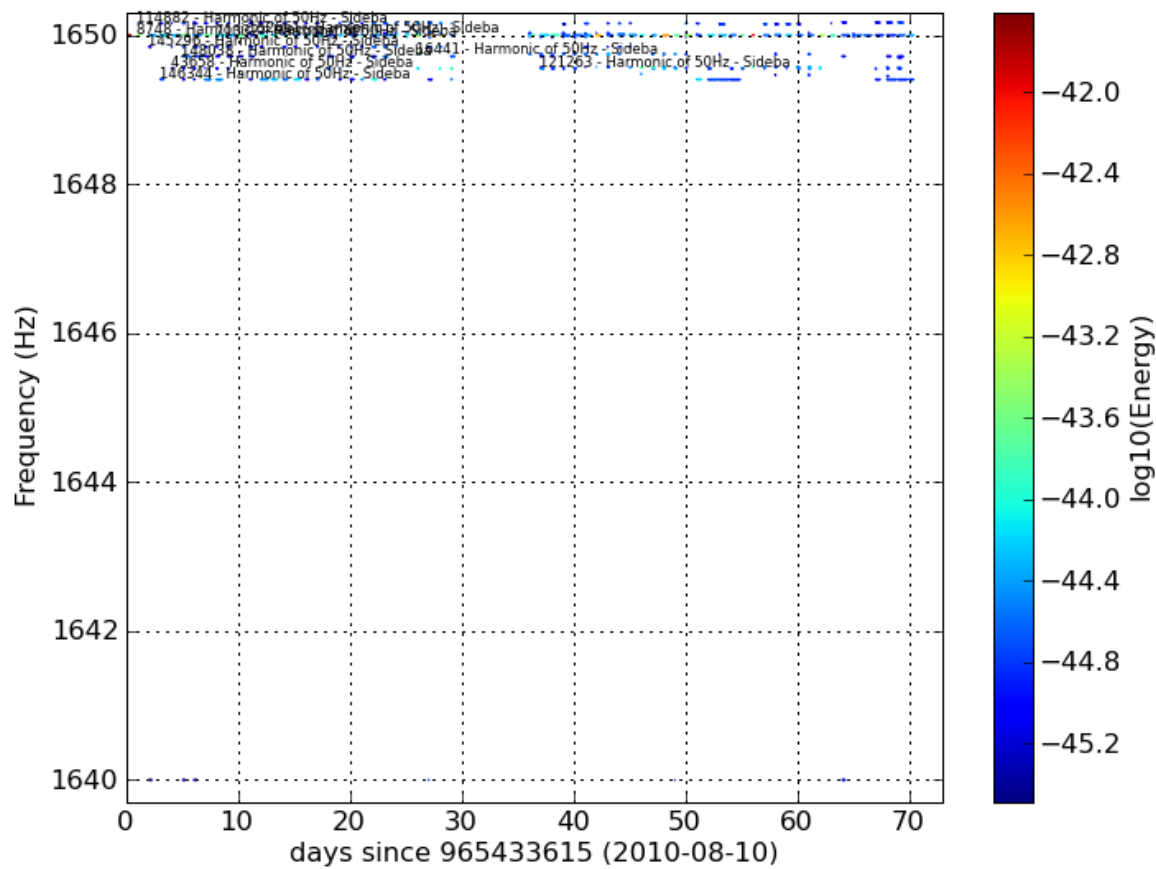
Lines trend - 1630\_1640



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**[1640 - 1650 Hz] (8 lines found)**

Lines trend - 1640\_1650



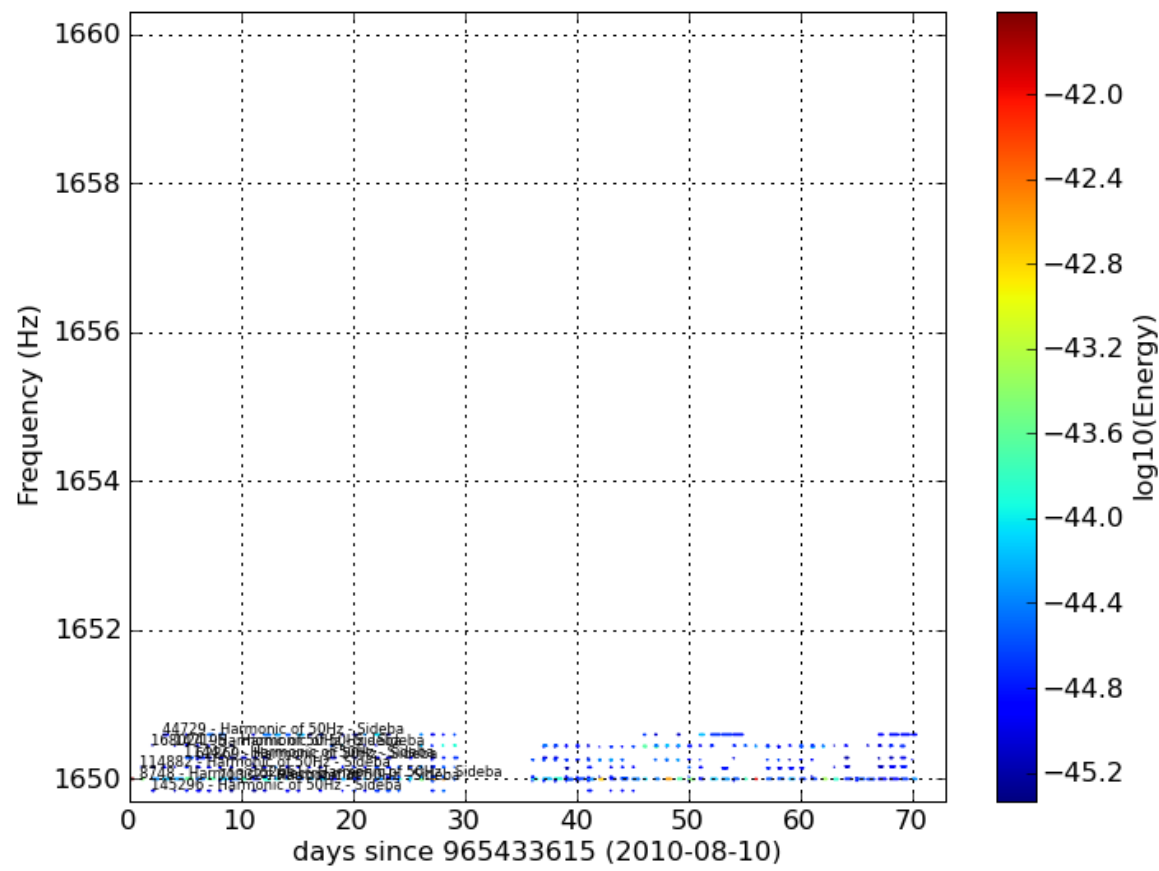
| Id     | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels  | Metadata                     | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|--------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|--|------------------------------|----------------------|--------------------------|--------------------------|
| 146344 | 1649.405            | [1649.403, 1649.406] | 2010-08-13/2010-10-19<br>0.42 | 0.45      | 9.01    | 0.001           |  | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 43658  | 1649.552            | [1649.544, 1649.556] | 2010-08-14/2010-10-18<br>0.46 | 0.20      | 6.79    | 0.003           |  | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 121263 | 1649.567            | [1649.559, 1649.575] | 2010-09-16/2010-10-18<br>0.28 | 0.15      | 7.29    | 0.005           | Em_MABDMC02(16.7%)<br>Em_MABDNE01(11.1%)   | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 148038 | 1649.715            | [1649.703, 1649.715] | 2010-08-15/2010-10-18<br>0.26 | 0.42      | 6.02    | 0.002           | Em_MABDMC02(17.6%)   | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 16441  | 1649.744            | [1649.735, 1649.751] | 2010-09-05/2010-10-10<br>0.26 | 0.16      | 6.64    | 0.007           | Em_MABDWE01(76.5%)<br>Em_MABDMC02(5.9%)  | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 145296 | 1649.843            | [1649.839, 1649.845] | 2010-08-12/2010-09-24<br>0.37 | 0.21      | 6.63    | 0.002           |  | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 71332  | 1649.974            | [1649.968, 1649.978] | 2010-08-18/2010-10-14<br>0.23 | 0.12      | 5.71    | 0.001           |  | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 8748   | 1649.999            | [1649.983, 1650.015] | 2010-08-11/2010-10-19         | 0.48      | 9.17    | 0.003           | Em_MABDMC02(71.4%)<br>Em_MABDWE01(58.6%)<br>Em_MABDCE01(58.6%)<br>Em_SEDBDL03(51.4%) | Harmonic of electric mains   | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

|  |  |  |      |  |  |  |   |        |  |  |  |
|--|--|--|------|--|--|--|---|--------|--|--|--|
|  |  |  | 0.97 |  |  |  | Em_ACTCSNI(51.4%)<br>Em_MABDNE01(50.0%)<br>Em_AC_EIB(14.3%) | (50Hz) |  |  |  |
|--|--|--|------|--|--|--|---|--------|--|--|--|

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[1650 - 1660 Hz] (8 lines found)

Lines trend - 1650\_1660



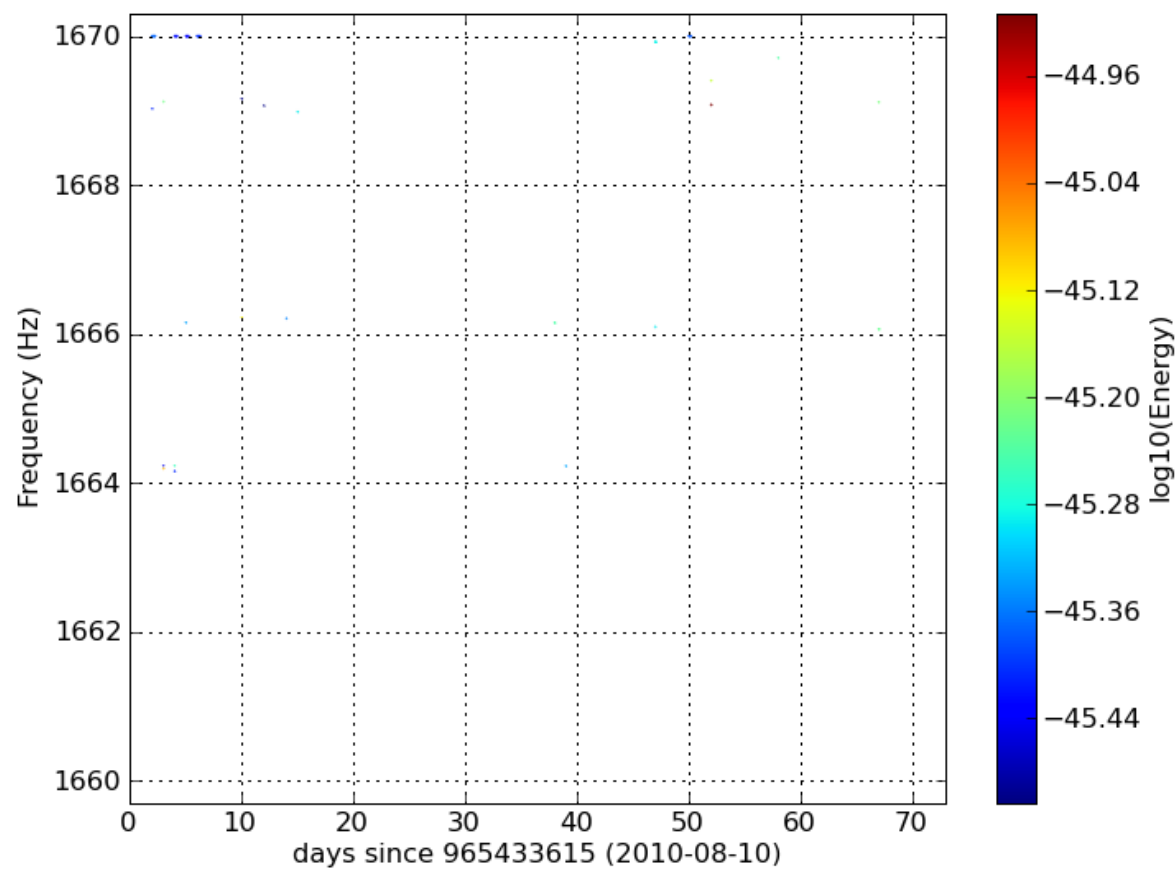
| Id     | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels   | Metadata                          | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|--------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|---|-----------------------------------|----------------------|--------------------------|--------------------------|
| 8748   | 1649.999            | [1649.983, 1650.015] | 2010-08-11/2010-10-19<br>0.97 | 0.48      | 9.17    | 0.003           | Em_MABDMC02(71.4%)<br>Em_MABDWE01(58.6%)<br>Em_MABDCE01(58.6%)<br>Em_SEDBDL03(51.4%)<br>Em_ACTCSNI(51.4%)<br>Em_MABDNE01(50.0%)<br>Em_AC_EIB(14.3%) | Harmonic of electric mains (50Hz) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 152661 | 1650.027            | [1650.022, 1650.031] | 2010-08-21/2010-10-10<br>0.25 | 0.17      | 5.77    | 0.002           |   | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 114882 | 1650.156            | [1650.144, 1650.161] | 2010-08-11/2010-10-12<br>0.62 | 0.22      | 6.53    | 0.002           |   | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 62869  | 1650.258            | [1650.243, 1650.279] | 2010-08-16/2010-10-19<br>0.37 | 0.12      | 6.38    | 0.006           | Em_MABDWE01(46.4%)<br>Em_MABDMC02(28.6%)  | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 114427 | 1650.285            | [1650.284, 1650.289] | 2010-08-15/2010-10-18<br>0.34 | 0.38      | 6.05    | 0.001           |   | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

|        |          |                      |                               |      |      |       |                    |                              |                      |                          |                          |
|--------|----------|----------------------|-------------------------------|------|------|-------|--------------------|------------------------------|----------------------|--------------------------|--------------------------|
| 147195 | 1650.436 | [1650.426, 1650.453] | 2010-08-14/2010-10-17<br>0.35 | 0.14 | 7.71 | 0.005 | Em_MABDMC02(17.4%) | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 168024 | 1650.447 | [1650.428, 1650.453] | 2010-08-12/2010-10-18<br>0.57 | 0.18 | 6.73 | 0.004 | Em_MABDMC02(5.1%)  | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 44729  | 1650.595 | [1650.593, 1650.596] | 2010-08-13/2010-10-19<br>0.48 | 0.41 | 8.98 | 0.001 |                    | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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[1660 - 1670 Hz] (0 lines found)

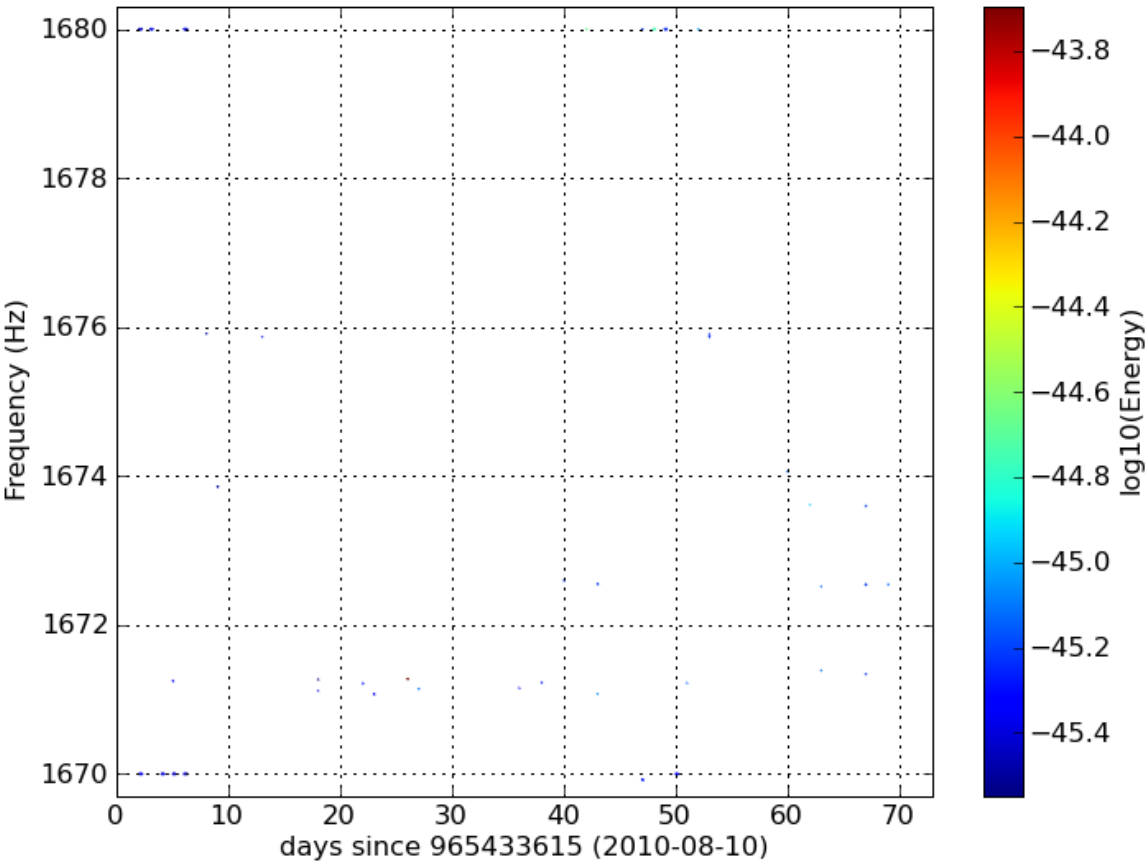
Lines trend - 1660\_1670



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[1670 - 1680 Hz] (0 lines found)

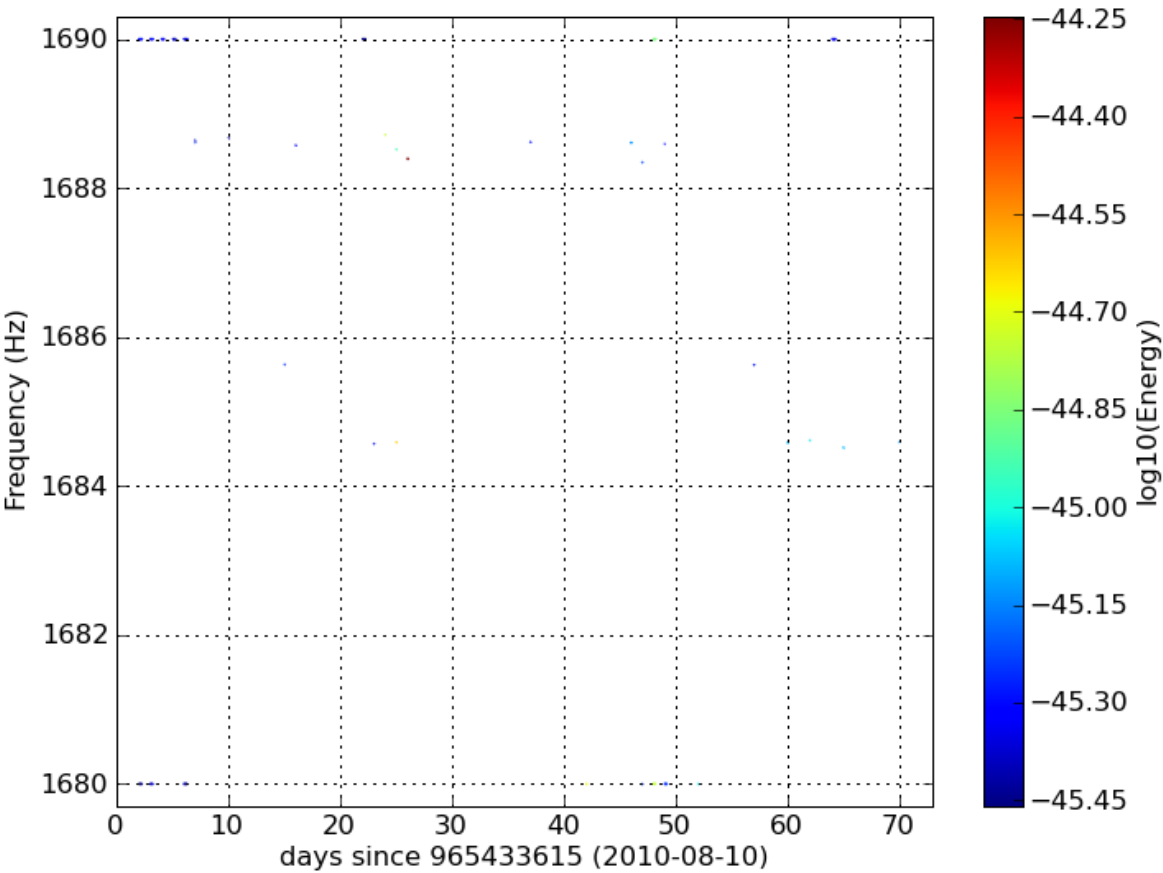
Lines trend - 1670\_1680



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**[1680 - 1690 Hz] (0 lines found)**

Lines trend - 1680\_1690



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[1690 - 1700 Hz] (5 lines found)



| Id     | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels  | Metadata                          | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|--------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|--|-----------------------------------|----------------------|--------------------------|--------------------------|
| 82344  | 1699.405            | [1699.403, 1699.406] | 2010-08-13/2010-10-19<br>0.31 | 0.41      | 7.82    | 0.001           |  | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 132888 | 1699.553            | [1699.546, 1699.555] | 2010-08-16/2010-10-18<br>0.25 | 0.13      | 6.57    | 0.003           |  | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 160797 | 1699.744            | [1699.738, 1699.748] | 2010-09-15/2010-10-07<br>0.23 | 0.12      | 5.98    | 0.004           | Em_MABDWE01(60.0%)   | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 113797 | 1699.843            | [1699.840, 1699.845] | 2010-08-15/2010-09-30<br>0.22 | 0.18      | 6.11    | 0.002           |  | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 170847 | 1700.000            | [1699.993, 1700.007] | 2010-08-11/2010-10-19<br>0.98 | 0.60      | 9.25    | 0.002           | Em_MABDWE01(95.4%)<br>Em_MABDNE01(83.1%)<br>Em_MABDMC02(81.5%)<br>Em_MABDCE01(35.4%)<br>Em_SEDBDL03(32.3%)<br>Em_ACTCSNI(29.2%)<br>Em_AC_EIB(18.5%)<br>Em_SETODE01(6.2%) | Harmonic of electric mains (50Hz) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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[1700 - 1710 Hz] (4 lines found)



| Id     | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence   | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels  | Metadata                          | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|--------|---------------------|----------------------|----------------------------|-----------|---------|-----------------|--|-----------------------------------|----------------------|--------------------------|--------------------------|
| 170847 | 1700.000            | [1699.993, 1700.007] | 2010-08-11/2010-10-19 0.98 | 0.60      | 9.25    | 0.002           | Em_MABDWE01(95.4%)<br>Em_MABDNE01(83.1%)<br>Em_MABDMC02(81.5%)<br>Em_MABDCE01(35.4%)<br>Em_SEDBDL03(32.3%)<br>Em_ACTCSNI(29.2%)<br>Em_AC_EIB(18.5%)<br>Em_SETODE01(6.2%) | Harmonic of electric mains (50Hz) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 33973  | 1700.254            | [1700.247, 1700.262] | 2010-09-16/2010-10-13 0.22 | 0.12      | 6.20    | 0.004           | Em_MABDWE01(78.6%)   | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 118394 | 1700.442            | [1700.427, 1700.453] | 2010-08-15/2010-10-18 0.37 | 0.15      | 6.61    | 0.003           |  | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 146374 | 1700.595            | [1700.589, 1700.596] | 2010-08-13/2010-10-19 0.32 | 0.40      | 7.33    | 0.002           |  | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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[1710 - 1720 Hz] (0 lines found)



Up to top of page

[1720 - 1730 Hz] (0 lines found)



Up to top of page

[1730 - 1740 Hz] (0 lines found)



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[1740 - 1750 Hz] (2 lines found)



| Id    | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence   | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels   | Metadata                          | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|-------|---------------------|----------------------|----------------------------|-----------|---------|-----------------|---|-----------------------------------|----------------------|--------------------------|--------------------------|
| 75266 | 1749.405            | [1749.403, 1749.406] | 2010-08-13/2010-10-19 0.26 | 0.39      | 6.75    | 0.001           |   | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 1693  | 1750.000            | [1749.988, 1750.008] | 2010-08-10/2010-10-19 1.00 | 0.77      | 11.29   | 0.002           | Em_SEDBDL03(16.9%)<br>Em_MABDNE01(16.9%)<br>Em_ACTCSNI(16.9%)<br>Em_MABDMC02(15.4%)<br>Em_MABDWE01(13.8%)<br>Em_MABDCE01(13.8%) | Harmonic of electric mains (50Hz) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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[1750 - 1760 Hz] (2 lines found)



| Id | Mean Frequency | Frequency range | First/last seen | Mean pers | Mean CR | Mean sigma | Coincident auxiliary channels | Metadata | Verbose dump | Plot Time-Frequency | Plot Time- |
|----|----------------|-----------------|-----------------|-----------|---------|------------|-------------------------------|----------|--------------|---------------------|------------|
|----|----------------|-----------------|-----------------|-----------|---------|------------|-------------------------------|----------|--------------|---------------------|------------|

|       | (Hz)     | (Hz)                 | Presence                      |      |       | (Hz)  |   |                                   |      |          | Ampli    |
|-------|----------|----------------------|-------------------------------|------|-------|-------|---|-----------------------------------|------|----------|----------|
| 1693  | 1750.000 | [1749.988, 1750.008] | 2010-08-10/2010-10-19<br>1.00 | 0.77 | 11.29 | 0.002 | Em_SEDBDL03(16.9%)<br>Em_MABDNE01(16.9%)<br>Em_ACTCSNI(16.9%)<br>Em_MABDMC02(15.4%)<br>Em_MABDWE01(13.8%)<br>Em_MABDCE01(13.8%) | Harmonic of electric mains (50Hz) | dump | plot t-f | plot t-a |
| 89888 | 1750.595 | [1750.593, 1750.597] | 2010-08-17/2010-10-18<br>0.26 | 0.36 | 6.59  | 0.001 |   | Harmonic of 50Hz - Sidebands      | dump | plot t-f | plot t-a |

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[1760 - 1770 Hz] (2 lines found)

?

| Id     | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels | Metadata                                   | Verbose dump | Plot Time-Frequency | Plot Time-Ampli |
|--------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|-------------------------------|--|--------------|---------------------|-----------------|
| 36170  | 1766.249            | [1766.246, 1766.250] | 2010-08-10/2010-10-19<br>1.00 | 0.64      | 17.25   | 0.001           |                               | violin suspension resonance (4th harmonic) | dump         | plot t-f            | plot t-a        |
| 143865 | 1766.288            | [1766.284, 1766.291] | 2010-08-10/2010-10-19<br>1.00 | 0.67      | 31.49   | 0.001           |                               | violin suspension resonance (4th harmonic) | dump         | plot t-f            | plot t-a        |

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[1770 - 1780 Hz] (0 lines found)

?

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[1780 - 1790 Hz] (2 lines found)

?

| Id     | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels | Metadata                                   | Verbose dump | Plot Time-Frequency | Plot Time-Ampli |
|--------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|-------------------------------|--|--------------|---------------------|-----------------|
| 26215  | 1783.450            | [1783.448, 1783.451] | 2010-08-10/2010-10-19<br>1.00 | 0.56      | 13.85   | 0.001           |                               | violin suspension resonance (4th harmonic) | dump         | plot t-f            | plot t-a        |
| 144191 | 1783.495            | [1783.491, 1783.501] | 2010-08-10/2010-10-19<br>1.00 | 0.71      | 83.52   | 0.001           |                               | violin suspension resonance (4th harmonic) | dump         | plot t-f            | plot t-a        |

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[1790 - 1800 Hz] (1 lines found)

?

| Id   | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels | Metadata                          | Verbose dump | Plot Time-Frequency | Plot Time-Ampli |
|------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|-------------------------------|-----------------------------------|--------------|---------------------|-----------------|
| 1755 | 1800.000            | [1799.996, 1800.000] | 2010-08-10/2010-10-19<br>1.00 | 0.61      | 7.09    | 0.001           |                               | Harmonic of electric mains (50Hz) | dump         | plot t-f            | plot t-a        |

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[1800 - 1810 Hz] (5 lines found)

?

| Id | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels | Metadata | Verbose dump | Plot Time-Frequency | Plot Time-Ampli |
|----|---------------------|----------------------|--------------------------|-----------|---------|-----------------|-------------------------------|----------|--------------|---------------------|-----------------|
|----|---------------------|----------------------|--------------------------|-----------|---------|-----------------|-------------------------------|----------|--------------|---------------------|-----------------|

|        |          |                      |                               |      |       |       |                    |  |                      |                          |                          |
|--------|----------|----------------------|-------------------------------|------|-------|-------|--------------------|--|----------------------|--------------------------|--------------------------|
| 1755   | 1800.000 | [1799.996, 1800.000] | 2010-08-10/2010-10-19<br>1.00 | 0.61 | 7.09  | 0.001 |                    | Harmonic of electric mains (50Hz)          | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 144757 | 1801.332 | [1801.328, 1801.334] | 2010-08-11/2010-10-19<br>0.91 | 0.37 | 6.10  | 0.001 | Em_MABDWE01 (8.5%) | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 138596 | 1801.362 | [1801.358, 1801.365] | 2010-08-10/2010-10-19<br>1.00 | 0.66 | 30.09 | 0.001 |                    | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 16582  | 1802.203 | [1802.196, 1802.209] | 2010-08-10/2010-10-19<br>1.00 | 0.60 | 21.20 | 0.001 | Em_ACBDCE01 (7.7%) | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 144193 | 1802.232 | [1802.226, 1802.236] | 2010-08-10/2010-10-19<br>1.00 | 0.57 | 16.04 | 0.001 |                    | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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**[1810 - 1820 Hz] (0 lines found)**



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**[1820 - 1830 Hz] (5 lines found)**



| Id     | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels | Metadata                                   | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|--------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|-------------------------------|--|----------------------|--------------------------|--------------------------|
| 144194 | 1821.278            | [1821.275, 1821.283] | 2010-08-10/2010-10-19<br>1.00 | 0.62      | 20.08   | 0.001           |                               | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 26248  | 1821.301            | [1821.297, 1821.305] | 2010-08-10/2010-10-19<br>1.00 | 0.67      | 25.95   | 0.001           |                               | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 110708 | 1825.331            | [1825.324, 1825.332] | 2010-08-10/2010-10-19<br>1.00 | 0.72      | 35.34   | 0.006           |                               | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 85425  | 1826.424            | [1826.419, 1826.427] | 2010-08-10/2010-10-19<br>1.00 | 0.46      | 14.07   | 0.002           |                               | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 35109  | 1826.436            | [1826.431, 1826.439] | 2010-08-10/2010-10-19<br>1.00 | 0.49      | 19.01   | 0.002           |                               | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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**[1830 - 1840 Hz] (7 lines found)**



| Id     | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels | Metadata                                   | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|--------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|-------------------------------|--|----------------------|--------------------------|--------------------------|
| 136936 | 1830.735            | [1830.727, 1830.741] | 2010-08-11/2010-10-19<br>0.98 | 0.53      | 25.58   | 0.001           |                               | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 113840 | 1834.383            | [1834.380, 1834.385] | 2010-08-12/2010-10-19<br>0.52 | 0.23      | 6.04    | 0.001           |                               | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 144196 | 1834.432            | [1834.427,           | 2010-08-10/2010-10-           | 0.58      | 29.46   | 0.001           |                               | violin suspension resonance (4th           | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

|        |          |                      |                               |      |       |       |  |  |                      |                          |                          |
|--------|----------|----------------------|-------------------------------|------|-------|-------|--|--|----------------------|--------------------------|--------------------------|
|        |          | 1834.436]            | 19<br>1.00                    |      |       |       |  | harmonic)                                  |                      |                          |                          |
| 144197 | 1836.137 | [1836.132, 1836.139] | 2010-08-10/2010-10-19<br>1.00 | 0.47 | 10.34 | 0.001 |  | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 144198 | 1836.160 | [1836.155, 1836.163] | 2010-08-10/2010-10-19<br>1.00 | 0.55 | 20.81 | 0.001 |  | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 61182  | 1838.186 | [1838.179, 1838.187] | 2010-08-11/2010-10-19<br>0.95 | 0.51 | 17.01 | 0.001 |  | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 152083 | 1838.212 | [1838.194, 1838.220] | 2010-08-11/2010-10-19<br>0.98 | 0.41 | 20.16 | 0.003 |  | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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[1840 - 1850 Hz] (8 lines found)



| Id     | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels   | Metadata                                   | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|--------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|---|--|----------------------|--------------------------|--------------------------|
| 89239  | 1844.122            | [1844.116, 1844.127] | 2010-08-10/2010-10-19<br>1.00 | 0.55      | 23.83   | 0.002           |   | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 63876  | 1845.977            | [1845.970, 1845.981] | 2010-08-10/2010-10-19<br>1.00 | 0.62      | 20.99   | 0.001           |   | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 94033  | 1846.012            | [1846.008, 1846.016] | 2010-08-10/2010-10-19<br>1.00 | 0.65      | 19.14   | 0.001           |   | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 121337 | 1847.253            | [1847.247, 1847.258] | 2010-08-13/2010-10-19<br>0.95 | 0.71      | 23.25   | 0.001           |   | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 47959  | 1847.268            | [1847.262, 1847.275] | 2010-08-11/2010-10-19<br>0.98 | 0.61      | 12.99   | 0.001           |   | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 29675  | 1848.180            | [1848.170, 1848.191] | 2010-08-11/2010-10-19<br>0.98 | 0.45      | 21.18   | 0.003           | Em_MABDWE01(9.4%)   | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 146515 | 1849.405            | [1849.403, 1849.406] | 2010-08-17/2010-10-18<br>0.22 | 0.39      | 6.76    | 0.001           |   | Harmonic of 50Hz - Sidebands               | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 3333   | 1850.000            | [1849.996, 1850.005] | 2010-08-10/2010-10-19<br>0.94 | 0.63      | 9.68    | 0.001           | Em_SEDBDL03(13.1%)<br>Em_MABDNE01(13.1%)<br>Em_MABDWE01(13.1%)<br>Em_MABDCE01(13.1%)<br>Em_MABDMC02(13.1%)<br>Em_ACTCSNI(13.1%) | Harmonic of electric mains (50Hz)          | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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[1850 - 1860 Hz] (3 lines found)

| Id    | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels   | Metadata                          | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|-------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|---|-----------------------------------|----------------------|--------------------------|--------------------------|
| 3333  | 1850.000            | [1849.996, 1850.005] | 2010-08-10/2010-10-19<br>0.94 | 0.63      | 9.68    | 0.001           | Em_SEDBDL03(13.1%)<br>Em_MABDNE01(13.1%)<br>Em_MABDWE01(13.1%)<br>Em_MABDCE01(13.1%)<br>Em_MABDMC02(13.1%)<br>Em_ACTCSNI(13.1%) | Harmonic of electric mains (50Hz) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 1819  | 1850.443            | [1850.429, 1850.457] | 2010-08-28/2010-10-18<br>0.29 | 0.14      | 6.13    | 0.003           |   | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 20451 | 1850.602            | [1850.592, 1850.676] | 2010-08-17/2010-10-18<br>0.26 | 0.29      | 6.42    | 0.001           |   | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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[1860 - 1870 Hz] (2 lines found)



| Id     | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels | Metadata                                   | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|--------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|-------------------------------|--|----------------------|--------------------------|--------------------------|
| 44886  | 1865.017            | [1865.014, 1865.021] | 2010-08-10/2010-10-19<br>1.00 | 0.36      | 9.04    | 0.001           |                               | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 130314 | 1865.064            | [1865.055, 1865.067] | 2010-08-10/2010-10-19<br>1.00 | 0.61      | 27.79   | 0.002           |                               | violin suspension resonance (4th harmonic) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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[1870 - 1880 Hz] (0 lines found)



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[1880 - 1890 Hz] (0 lines found)



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[1890 - 1900 Hz] (4 lines found)



| Id     | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels   | Metadata                     | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|--------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|---|------------------------------|----------------------|--------------------------|--------------------------|
| 146415 | 1899.406            | [1899.403, 1899.413] | 2010-08-13/2010-10-19<br>0.32 | 0.40      | 7.81    | 0.001           |   | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 148116 | 1899.553            | [1899.532, 1899.569] | 2010-08-15/2010-10-18<br>0.32 | 0.16      | 6.38    | 0.003           |   | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 36278  | 1899.842            | [1899.829, 1899.855] | 2010-08-12/2010-10-18<br>0.31 | 0.20      | 5.62    | 0.001           | Em_MABDMC02(15.0%)  | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
|        |                     | [1899.993,           | 2010-08-10/2010-              |           |         |                 | Em_ACTCSNI(34.4%)<br>Em_SEDBDL03(32.8%)<br>Em_MABDNE01(32.8%)<br>Em_MABDWE01(32.8%) | Harmonic of electric         |                      |                          | <a href="#">plot t-</a>  |

|       |          |           |               |      |      |       |   |                 |                      |                          |                   |
|-------|----------|-----------|---------------|------|------|-------|---|-----------------|----------------------|--------------------------|-------------------|
| 28564 | 1900.000 | 1900.006] | 10-19<br>0.98 | 0.57 | 8.84 | 0.002 | Em_MABDCE01(32.8%)<br>Em_MABDMC02(32.8%)<br>TCS_NI_Power(7.8%)<br>Em_ACBDWE01(7.8%) | mains<br>(50Hz) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">a</a> |
|-------|----------|-----------|---------------|------|------|-------|---|-----------------|----------------------|--------------------------|-------------------|

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[1900 - 1910 Hz] (5 lines found)



| Id     | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels  | Metadata                          | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|--------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|--|-----------------------------------|----------------------|--------------------------|--------------------------|
| 28564  | 1900.000            | [1899.993, 1900.006] | 2010-08-10/2010-10-19<br>0.98 | 0.57      | 8.84    | 0.002           | Em_ACTCSNI(34.4%)<br>Em_SEDBDL03(32.8%)<br>Em_MABDNE01(32.8%)<br>Em_MABDWE01(32.8%)<br>Em_MABDMC02(32.8%)<br>TCS_NI_Power(7.8%)<br>Em_ACBDWE01(7.8%) | Harmonic of electric mains (50Hz) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 17898  | 1900.158            | [1900.154, 1900.169] | 2010-08-12/2010-09-30<br>0.26 | 0.16      | 6.05    | 0.002           |  | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 80912  | 1900.256            | [1900.246, 1900.263] | 2010-08-15/2010-09-30<br>0.20 | 0.12      | 6.07    | 0.004           | Em_MABDWE01(71.4%)<br>Em_ACBDCE01(7.1%)  | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 149981 | 1900.443            | [1900.410, 1900.453] | 2010-08-17/2010-10-18<br>0.42 | 0.15      | 6.46    | 0.004           | Em_MABDMC02(5.7%)  | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 80913  | 1900.594            | [1900.580, 1900.599] | 2010-08-13/2010-10-19<br>0.34 | 0.42      | 7.81    | 0.001           |  | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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[1910 - 1920 Hz] (1 lines found)



| Id   | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence      | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels | Metadata                     | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|------|---------------------|----------------------|-------------------------------|-----------|---------|-----------------|-------------------------------|------------------------------|----------------------|--------------------------|--------------------------|
| 1881 | 1913.610            | [1913.357, 1913.926] | 2010-08-12/2010-10-14<br>0.25 | 0.07      | 5.65    | 0.001           |                               | Harmonic of 50Hz - Sidebands | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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[1920 - 1930 Hz] (0 lines found)



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[1930 - 1940 Hz] (0 lines found)



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[1940 - 1950 Hz] (2 lines found)




| Id | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels | Metadata | Verbose dump | Plot Time-Frequency | Plot Time-Ampli |
|----|---------------------|----------------------|--------------------------|-----------|---------|-----------------|-------------------------------|----------|--------------|---------------------|-----------------|
|    |                     |                      | 2010-08-                 |           |         |                 |                               | Harmonic |              |                     |                 |

|       |          |                      |                            |      |      |       |   |                                   |                      |                          |                          |
|-------|----------|----------------------|----------------------------|------|------|-------|---|-----------------------------------|----------------------|--------------------------|--------------------------|
| 70698 | 1949.405 | [1949.403, 1949.407] | 17/2010-10-18 0.23         | 0.35 | 6.37 | 0.001 |   | of 50Hz - Sidebands               | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 1923  | 1950.000 | [1949.995, 1950.001] | 2010-08-10/2010-10-15 0.88 | 0.64 | 8.44 | 0.001 | Em_SEDBDL03(10.5%)<br>Em_MABDNE01(10.5%)<br>Em_MABDWE01(10.5%)<br>Em_MABDCE01(10.5%)<br>Em_MABDMC02(10.5%)<br>Em_ACTCSNI(10.5%) | Harmonic of electric mains (50Hz) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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[1950 - 1960 Hz] (2 lines found)



| Id     | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence   | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels   | Metadata                          | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|--------|---------------------|----------------------|----------------------------|-----------|---------|-----------------|---|-----------------------------------|----------------------|--------------------------|--------------------------|
| 1923   | 1950.000            | [1949.995, 1950.001] | 2010-08-10/2010-10-15 0.88 | 0.64      | 8.44    | 0.001           | Em_SEDBDL03(10.5%)<br>Em_MABDNE01(10.5%)<br>Em_MABDWE01(10.5%)<br>Em_MABDCE01(10.5%)<br>Em_MABDMC02(10.5%)<br>Em_ACTCSNI(10.5%) | Harmonic of electric mains (50Hz) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |
| 146516 | 1950.595            | [1950.591, 1950.596] | 2010-08-17/2010-10-18 0.26 | 0.35      | 6.73    | 0.001           | Em_MABDNE01(5.9%)   | Harmonic of 50Hz - Sidebands      | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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[1960 - 1970 Hz] (0 lines found)



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[1970 - 1980 Hz] (0 lines found)




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[1980 - 1990 Hz] (0 lines found)



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[1990 - 2000 Hz] (1 lines found)



| Id   | Mean Frequency (Hz) | Frequency range (Hz) | First/last seen Presence   | Mean pers | Mean CR | Mean sigma (Hz) | Coincident auxiliary channels  | Metadata                          | Verbose dump         | Plot Time-Frequency      | Plot Time-Ampli          |
|------|---------------------|----------------------|----------------------------|-----------|---------|-----------------|--|-----------------------------------|----------------------|--------------------------|--------------------------|
| 1985 | 2000.000            | [1999.997, 2000.002] | 2010-08-10/2010-10-19 1.00 | 0.56      | 6.10    | 0.001           | Em_MABDWE01(13.8%)<br>Em_SEDBDL03(13.8%)<br>Em_MABDMC02(13.8%)<br>Em_MABDCE01(13.8%)<br>Em_MABDNE01(12.3%)<br>Em_ACTCSNI(7.7%) | Harmonic of electric mains (50Hz) | <a href="#">dump</a> | <a href="#">plot t-f</a> | <a href="#">plot t-a</a> |

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# Contacts

(2011) [alberto.colla.roma1.infn.it](mailto:alberto.colla.roma1.infn.it)