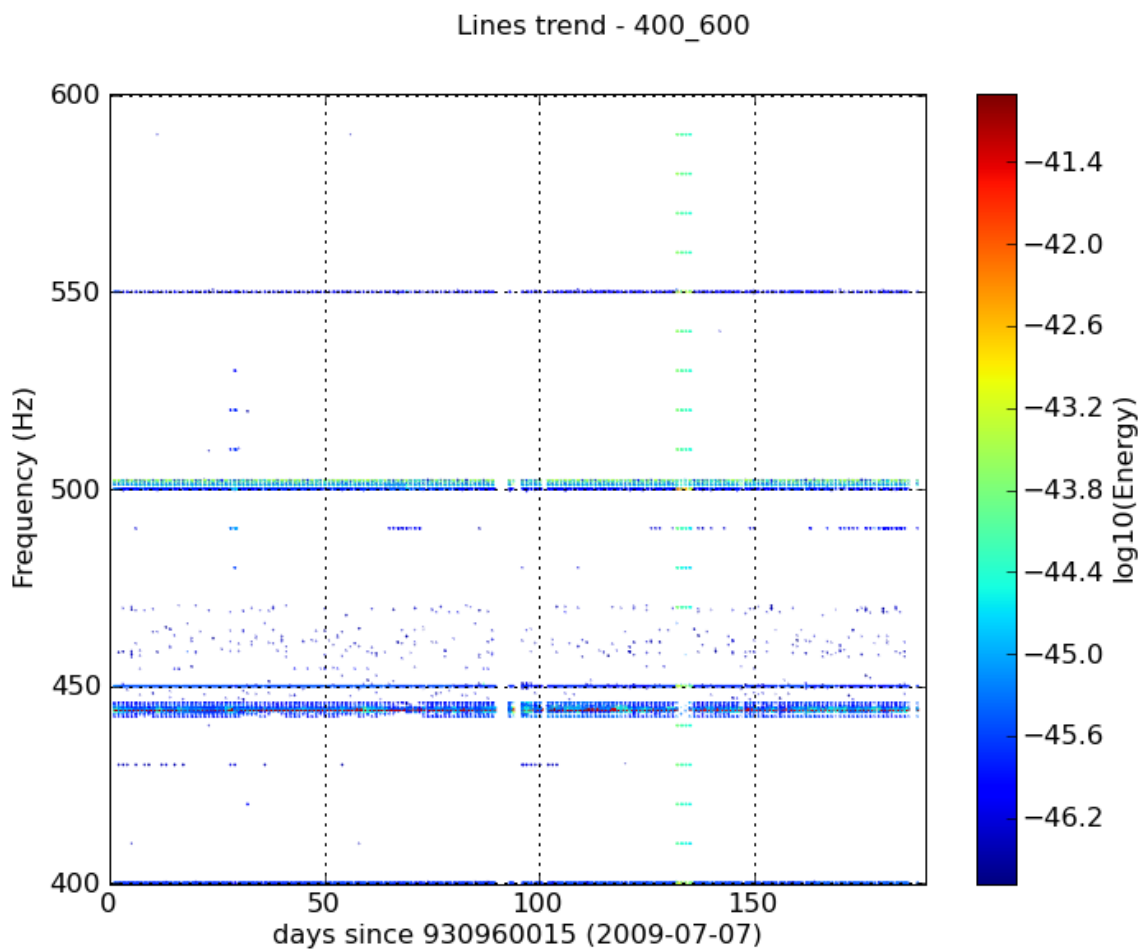


List of VSR2_Hrec_1mHz_KNOWN lines - frequency: 400 - 600 Hz

Summary plot:



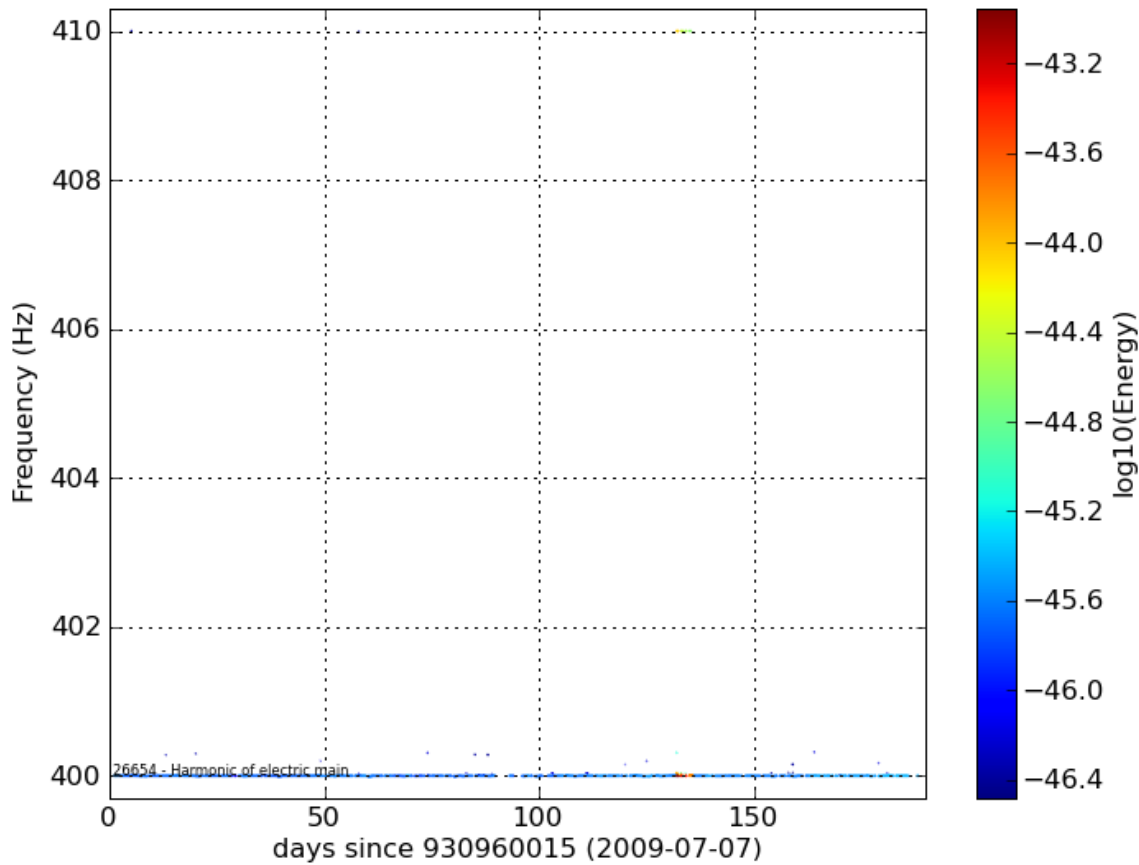
Lines list (text file)

Frequency range (Hz):
400- 410 (1) | 410- 420 (0) | 420- 430 (0) | 430- 440 (0) | 440- 450 (32) | 450- 460 (1) | 460- 470 (0) | 470- 480 (0) | 480- 490 (1) |
490- 500 (2) |
500- 510 (10) | 510- 520 (0) | 520- 530 (0) | 530- 540 (0) | 540- 550 (1) | 550- 560 (1) | 560- 570 (0) | 570- 580 (0) | 580- 590 (0) | 590-
600 (0) |

Number of lines found in this frequency range: 49

[400 - 410 Hz] (1 lines found)

Lines trend - 400_410

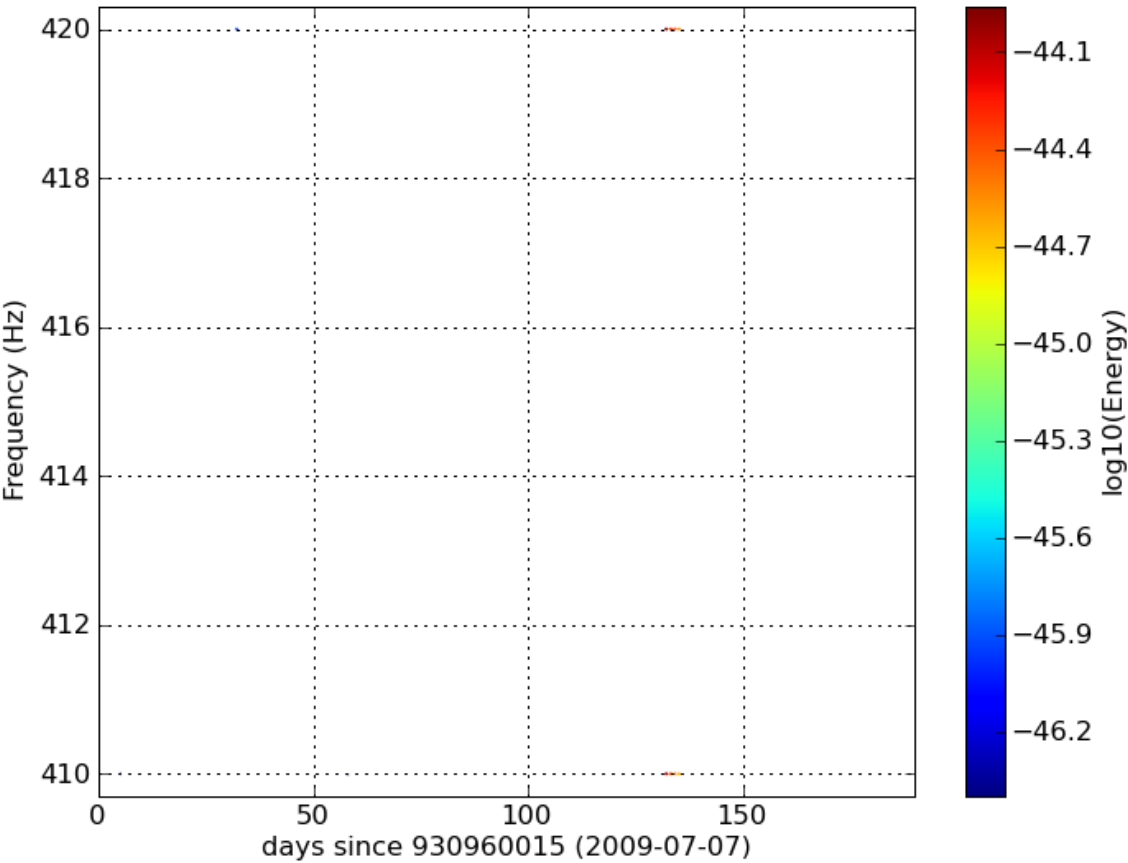


Id	Mean Frequency (Hz)	Frequency range (Hz)	First/last seen Presence	Mean pers	Mean CR	Mean sigma (Hz)	Coincident auxiliary channels	Metadata	Verbose dump	Plot Time-Frequency	Plot Time-Ampli
26654	400.001	[399.989, 400.029]	2009-07-08/2010-01-11 1.00	0.83	12.42	0.002	Em_MABDMC02(76.0%) Em_SE_Cryo01(75.5%) Em_MABDNE01(75.5%) Em_MABDWE01(75.5%) Em_SEDBDL03(75.5%) Em_ACTCSNI(69.8%) Em_MABDCE01(67.7%) Em_SEDBNE01(34.4%) Em_SEBDNE02(20.3%) Em_SEBDWE01(12.5%)	Harmonic of electric mains (50Hz) - Sidebands due to coupling with fundamental pendulum modes (0.2 Hz, 0.58 Hz)	dump	plot t-f	plot t-a

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[410 - 420 Hz] (0 lines found)

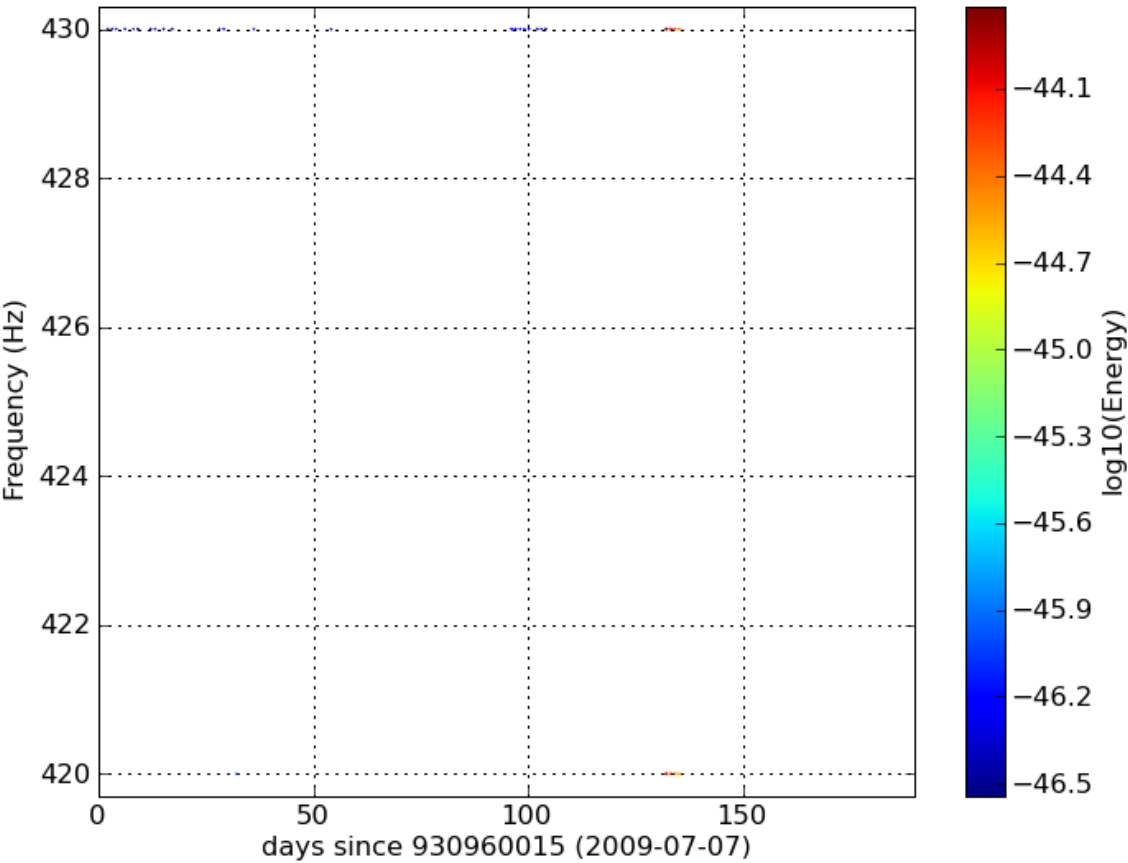
Lines trend - 410_420



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[420 - 430 Hz] (0 lines found)

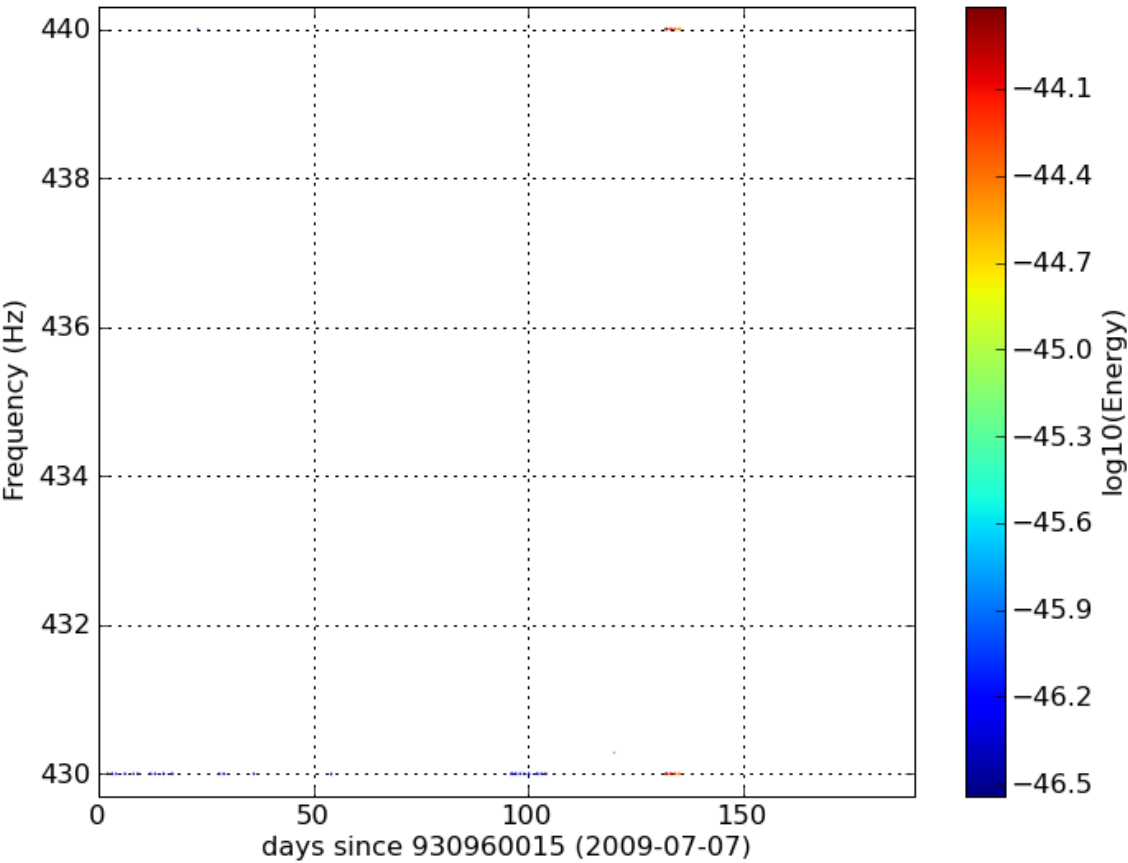
Lines trend - 420_430



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[430 - 440 Hz] (0 lines found)

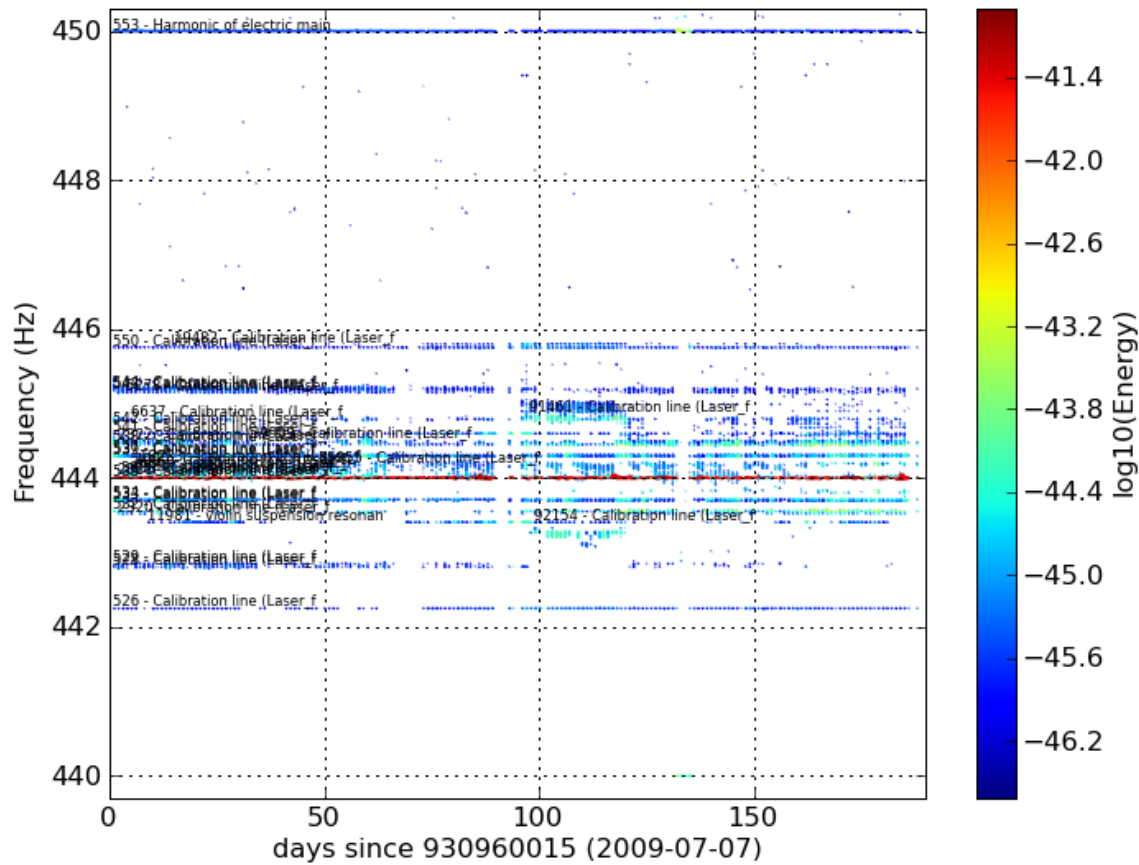
Lines trend - 430_440



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[440 - 450 Hz] (32 lines found)

Lines trend - 440_450



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
526	442.250	[442.244, 442.255]	2009-07-08/2010-01-11 0.84	0.34	7.88	0.002		Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
528	442.808	[442.771, 442.856]	2009-07-08/2010-01-04 0.37	0.16	6.21	0.012		Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
529	442.838	[442.779, 442.882]	2009-07-08/2010-01-05 0.50	0.15	5.82	0.009		Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
11981	443.381	[443.193, 443.407]	2009-07-16/2009-12-17 0.33	0.49	9.66	0.007		violin suspension resonance (1st harmonics)	dump	plot t-f	plot t-a
92154	443.404	[443.403, 443.407]	2009-10-14/2010-01-04 0.23	0.40	5.83	0.001		Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
2320	443.520	[443.511, 443.527]	2009-07-09/2010-01-08 0.48	0.28	6.16	0.002		Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
532	443.551	[443.529, 443.586]	2009-07-08/2010-01-11 0.71	0.22	10.40	0.012		Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
533	443.691	[443.687, 443.693]	2009-07-08/2010-01-08 0.77	0.43	6.64	0.001		Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a

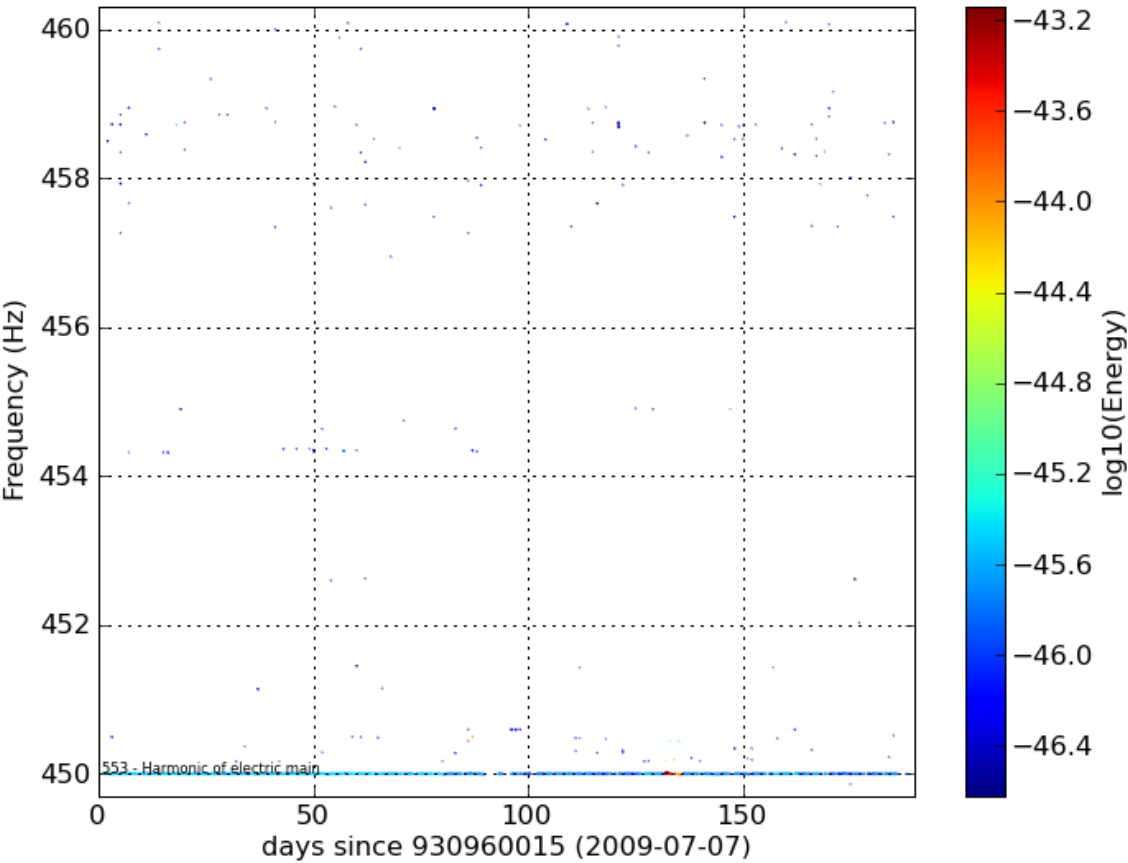
534	443.710	[443.709, 443.716]	2009-07-08/2010-01-11 0.96	0.60	8.45	0.001		Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
535	443.999	[443.976, 444.087]	2009-07-08/2010-01-11 0.99	0.83	393.53	0.009	Em_MABDWE01(76.1%) Em_MABDNE01(52.8%) Em_SEDBNE01(8.9%) Em_SEDBDL03(8.3%)	Calibration line (Laser_freq)	dump	plot t-f	plot t-a
2321	444.010	[443.906, 444.110]	2009-07-09/2010-01-04 0.30	0.28	100.20	0.008	Em_MABDWE01(23.6%) Em_MABDNE01(16.4%) Em_SETODE01(9.1%) Em_AC_EIB(7.3%) Em_SEDBDL03(5.5%) Em_ACTCSNI(5.5%)	Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
3808	444.048	[443.929, 444.167]	2009-07-10/2009-12-11 0.61	0.16	14.05	0.014	Em_SETODE01(14.0%) Em_MABDWE01(14.0%) Em_MABDNE01(9.8%) Em_AC_EIB(7.7%) Em_SE_BrewINJ(7.7%) Em_SEDBDL03(5.6%)	Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
7989	444.065	[444.000, 444.204]	2009-07-13/2010-01-07 0.42	0.16	13.58	0.013	Em_SETODE01(13.0%) Em_MABDWE01(10.4%) Em_AC_EIB(9.1%) Em_MABDNE01(5.2%) Em_SEDBDL03(5.2%) Em_SE_BrewINJ(5.2%)	Calibration line (Laser_freq)	dump	plot t-f	plot t-a
26669	444.105	[444.007, 444.220]	2009-07-12/2010-01-06 0.55	0.14	6.18	0.012	Em_SETODE01(15.1%) Em_SEDBDL03(8.4%) Em_AC_EIB(6.7%) Em_SE_BrewINJ(5.9%)	Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
7990	444.149	[444.016, 444.258]	2009-07-13/2010-01-11 0.43	0.13	6.14	0.015	Em_SETODE01(25.6%) Em_SEDBDL03(15.4%) Em_AC_EIB(12.8%) Em_SE_BrewINJ(7.7%)	Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
55955	444.166	[444.093, 444.206]	2009-08-25/2010-01-11 0.23	0.13	6.76	0.016	Em_SETODE01(31.0%) Em_SEDBDL03(28.6%) Em_AC_EIB(11.9%) Em_ACBDCE01(9.5%)	Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
18233	444.191	[444.079, 444.354]	2009-07-14/2010-01-11 0.52	0.14	6.48	0.015	Em_SETODE01(39.2%) Em_SEDBDL03(33.8%) Em_AC_EIB(16.9%) Em_ACBDCE01(7.7%) Em_SE_BrewINJ(5.4%)	Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
539	444.288	[443.756, 444.629]	2009-07-08/2010-01-09 0.97	0.45	8.85	0.006	Em_AC_EIB(8.0%) Em_SETODE01(6.3%) Em_SEDBDL03(6.3%)	Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
537	444.308	[444.277, 444.330]	2009-07-08/2010-01-08 0.93	0.45	7.25	0.002	Em_AC_EIB(7.3%)	Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
538	444.448	[444.414, 444.474]	2009-07-08/2010-01-11 0.89	0.21	9.09	0.011	Em_AC_EIB(5.6%)	Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
2322	444.476	[444.361, 444.570]	2009-07-09/2010-01-07 0.71	0.24	7.68	0.011	Em_SEDBDL03(10.6%)	Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
39909	444.496	[444.455, 444.535]	2009-08-09/2010-01-08 0.31	0.17	7.14	0.008	Em_SEDBDL03(14.3%) Em_AC_EIB(5.4%)	Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a

541	444.595	[444.576, 444.602]	2009-07-08/2010-01-08 0.76	0.43	8.31	0.001		Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
542	444.693	[444.473, 444.907]	2009-07-08/2010-01-08 0.48	0.14	6.08	0.010		Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
6637	444.781	[444.668, 444.993]	2009-07-12/2010-01-08 0.57	0.14	6.38	0.015		Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
91461	444.862	[444.595, 445.020]	2009-10-13/2010-01-08 0.24	0.17	6.11	0.020	Em_MABDWE01(18.2%) Em_MABDNE01(15.9%)	Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
5278	445.148	[444.732, 445.464]	2009-07-11/2010-01-08 0.65	0.15	6.37	0.022		Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
543	445.158	[445.108, 445.222]	2009-07-08/2010-01-08 0.55	0.14	6.01	0.011		Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
544	445.189	[445.123, 445.262]	2009-07-08/2010-01-11 0.74	0.15	5.98	0.012		Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
550	445.750	[445.725, 445.760]	2009-07-08/2010-01-07 0.96	0.32	8.03	0.003		Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
19482	445.795	[445.781, 445.813]	2009-07-22/2009-12-19 0.39	0.20	7.51	0.004	Em_ACBDCE01(7.0%)	Calibration line (Laser_freq) - Sidebands	dump	plot t-f	plot t-a
553	450.000	[449.990, 450.022]	2009-07-08/2010-01-11 1.00	0.87	12.34	0.002	Em_SE_Cryo01(78.6%) Em_MABDNE01(78.6%) Em_MABDWE01(78.6%) Em_SEDBDL03(78.6%) Em_MABDMC02(78.0%) Em_MABDCE01(70.3%) Em_SETODE01(64.8%) Em_ACTCSNI(43.4%) Em_SEBDNE02(11.5%)	Harmonic of electric mains (50Hz)	dump	plot t-f	plot t-a

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[450 - 460 Hz] (1 lines found)

Lines trend - 450_460

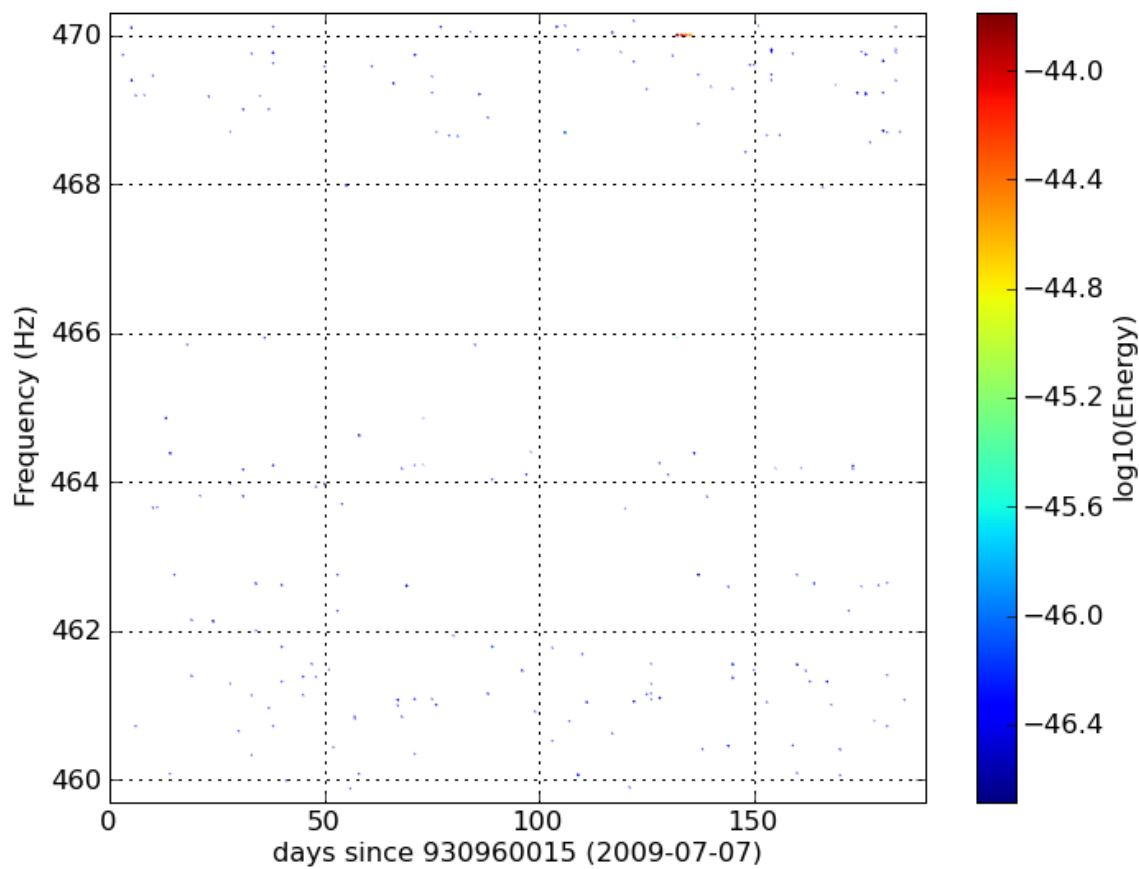


Id	Mean Frequency (Hz)	Frequency range (Hz)	First/last seen Presence	Mean pers	Mean CR	Mean sigma (Hz)	Coincident auxiliary channels	Metadata	Verbose dump	Plot Time-Frequency	Plot Time-Ampli
553	450.000	[449.990, 450.022]	2009-07-08/2010-01-11 1.00	0.87	12.34	0.002	Em_SE_Cryo01(78.6%) Em_MABDNE01(78.6%) Em_MABDWE01(78.6%) Em_SEDBDL03(78.6%) Em_MABDMC02(78.0%) Em_MABDCE01(70.3%) Em_SETODE01(64.8%) Em_ACTCSNI(43.4%) Em_SEBDNE02(11.5%)	Harmonic of electric mains (50Hz)	<u>dump</u>	<u>plot t-f</u>	<u>plot t-a</u>

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[460 - 470 Hz] (0 lines found)

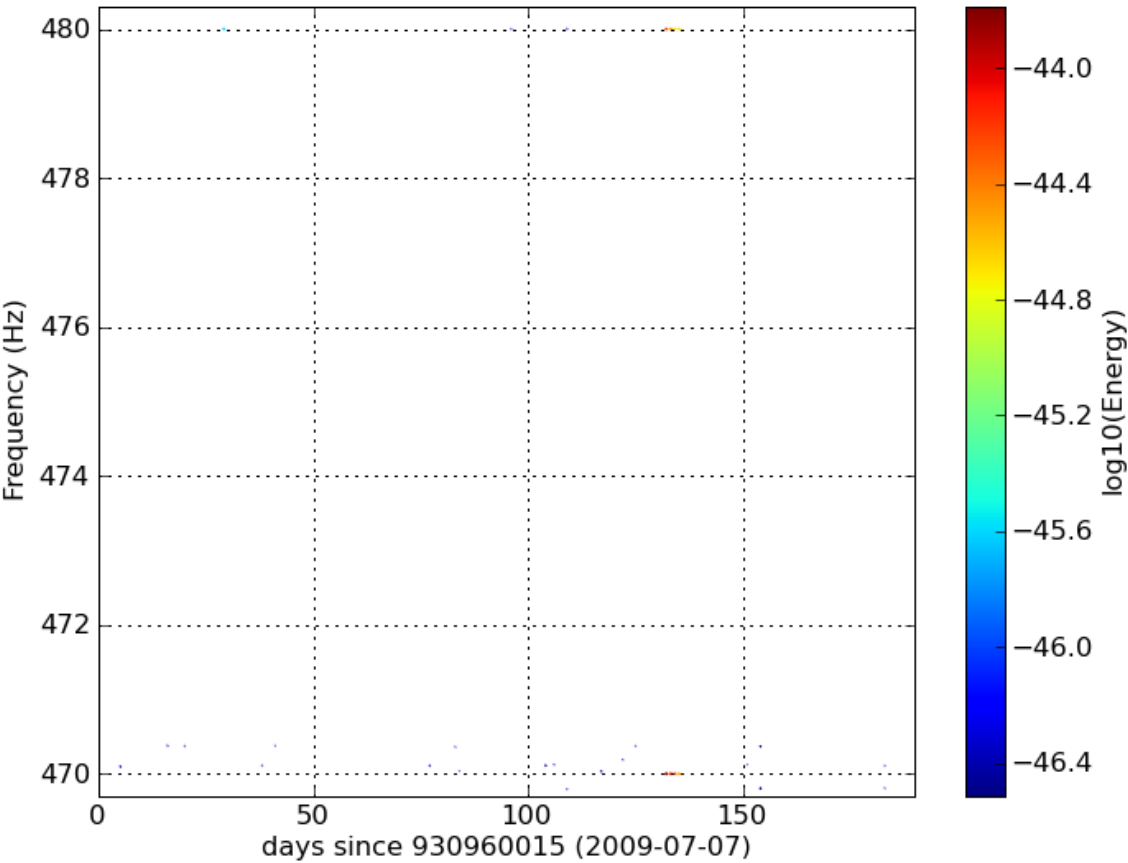
Lines trend - 460_470



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[470 - 480 Hz] (0 lines found)

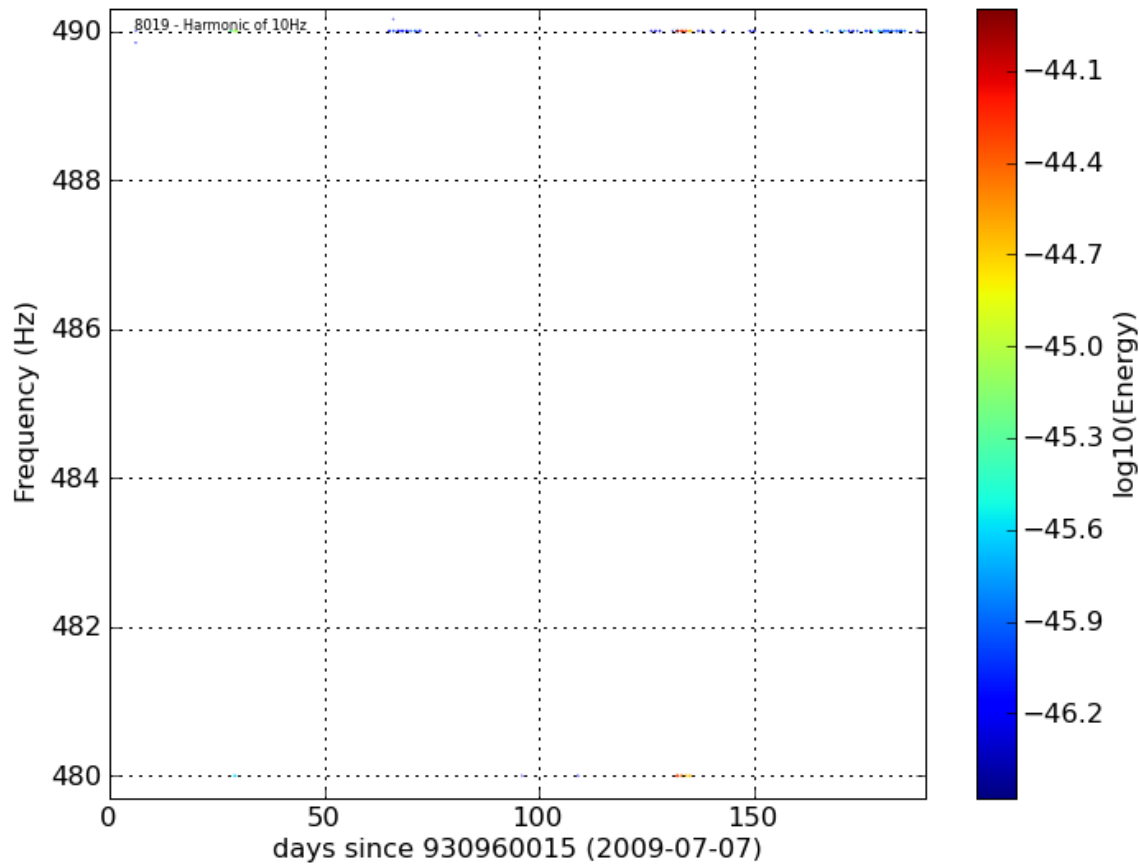
Lines trend - 470_480



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[480 - 490 Hz] (1 lines found)

Lines trend - 480_490

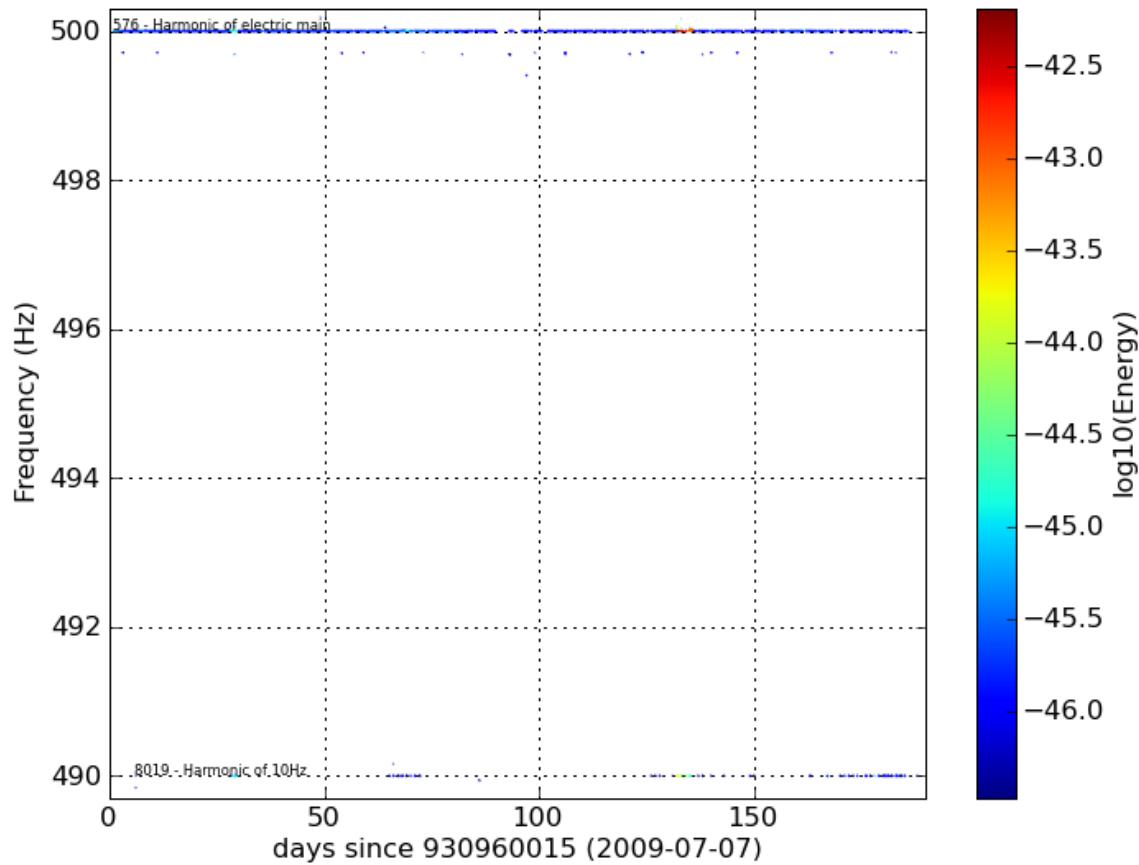


Id	Mean Frequency (Hz)	Frequency range (Hz)	First/last seen Presence	Mean pers	Mean CR	Mean sigma (Hz)	Coincident auxiliary channels	Metadata	Verbose dump	Plot Time-Frequency	Plot Time-Ampli
8019	490.000	[489.996, 490.002]	2009-07-13/2010-01-11 0.24	0.36	5.92	0.001	Em_MABDNE01(79.1%) Em_SEDBDL03(79.1%) Em_MABDWE01(62.8%) Em_SE_Cryo01(60.5%) Em_MABDCE01(48.8%)	Harmonic of 10Hz	<u>dump</u>	<u>plot t-f</u>	<u>plot t-a</u>

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[490 - 500 Hz] (2 lines found)

Lines trend - 490_500



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
8019	490.000	[489.996, 490.002]	2009-07-13/2010-01-11 0.24	0.36	5.92	0.001	Em_MABDNE01(79.1%) Em_SEDBDL03(79.1%) Em_MABDWE01(62.8%) Em_SE_Cryo01(60.5%) Em_MABDCE01(48.8%)	Harmonic of 10Hz	dump	plot t-f	plot t-a
576	500.000	[499.994, 500.026]	2009-07-08/2010-01-09 0.99	0.81	8.86	0.001	Em_SE_Cryo01(78.5%) Em_MABDNE01(78.5%) Em_MABDWE01(78.5%) Em_SEDBDL03(78.5%) Em_MABDMC02(78.5%) Em_MABDCE01(70.7%) Em_ACTCSNI(68.0%) Em_SEDBNE01(31.5%) Em_SETODE01(9.9%)	Harmonic of electric mains (50Hz)	dump	plot t-f	plot t-a

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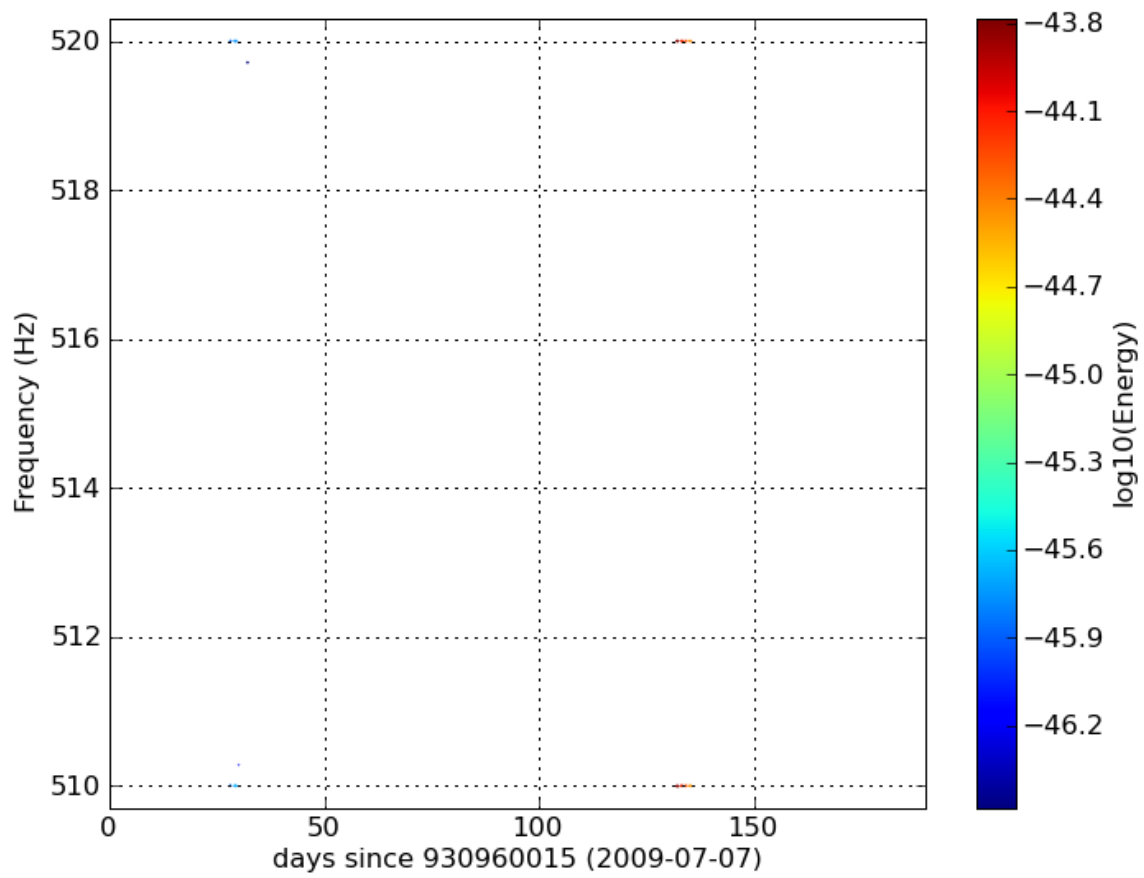
[500 - 510 Hz] (10 lines found)

							Em_SEDBWE01(6.5%)				
582	501.892	[501.879, 501.905]	2009-07-08/2010-01-11 1.00	0.31	18.87	0.007		Violin suspension resonance (3rd harmonics)	dump	plot t-f	plot t-a
583	502.092	[502.088, 502.098]	2009-07-08/2010-01-11 0.99	0.33	6.32	0.002		Violin suspension resonance (3rd harmonics)	dump	plot t-f	plot t-a
584	502.165	[502.150, 502.239]	2009-07-08/2010-01-11 1.00	0.33	20.79	0.021	Em_SEDBNE01(5.5%)	Violin suspension resonance (3rd harmonics)	dump	plot t-f	plot t-a
3852	502.209	[502.164, 502.347]	2009-07-10/2010-01-11 0.73	0.16	8.92	0.028	Em_SEDBNE01(6.1%) Em_SEDBWE01(5.3%)	SUSPECT broad noise above Violin suspension resonance (3rd harmonics)	dump	plot t-f	plot t-a
35502	502.228	[502.163, 502.365]	2009-07-10/2010-01-07 0.47	0.14	6.55	0.011		SUSPECT broad noise above Violin suspension resonance (3rd harmonics)	dump	plot t-f	plot t-a

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[510 - 520 Hz] (0 lines found)

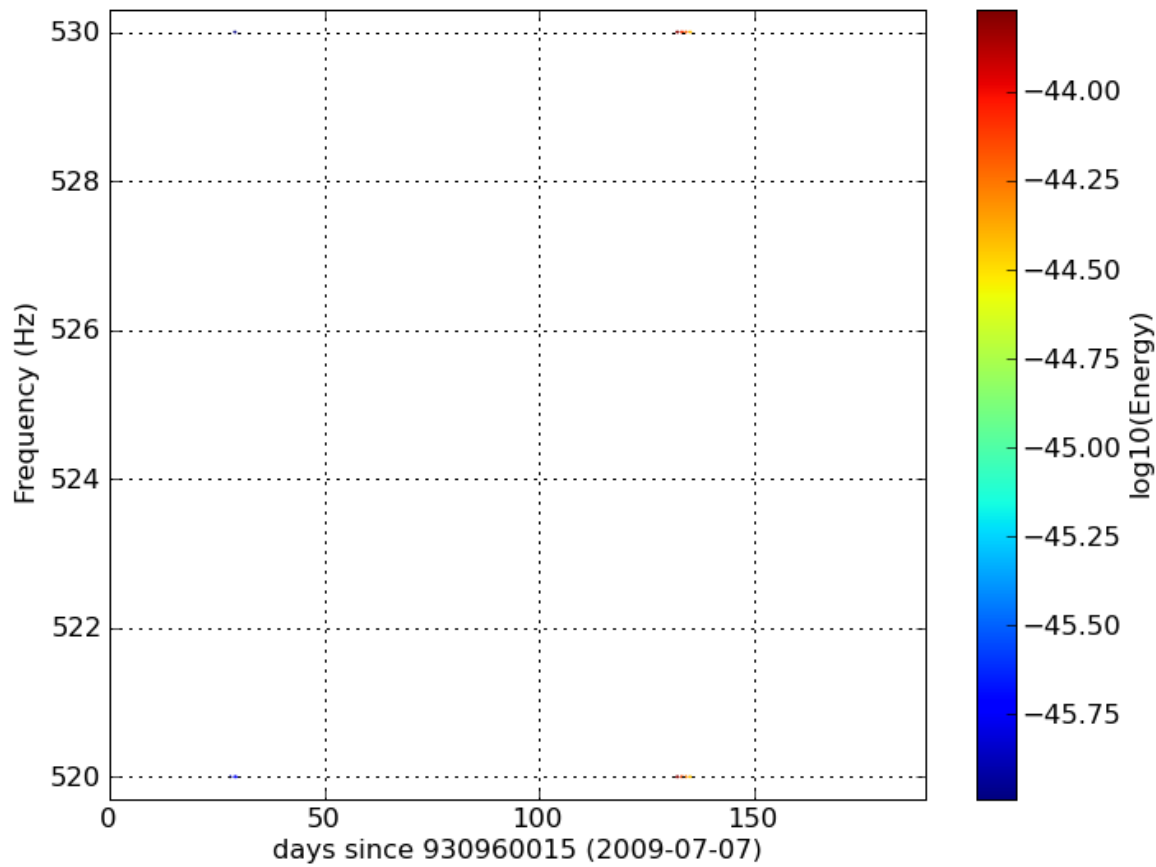
Lines trend - 510_520



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[520 - 530 Hz] (0 lines found)

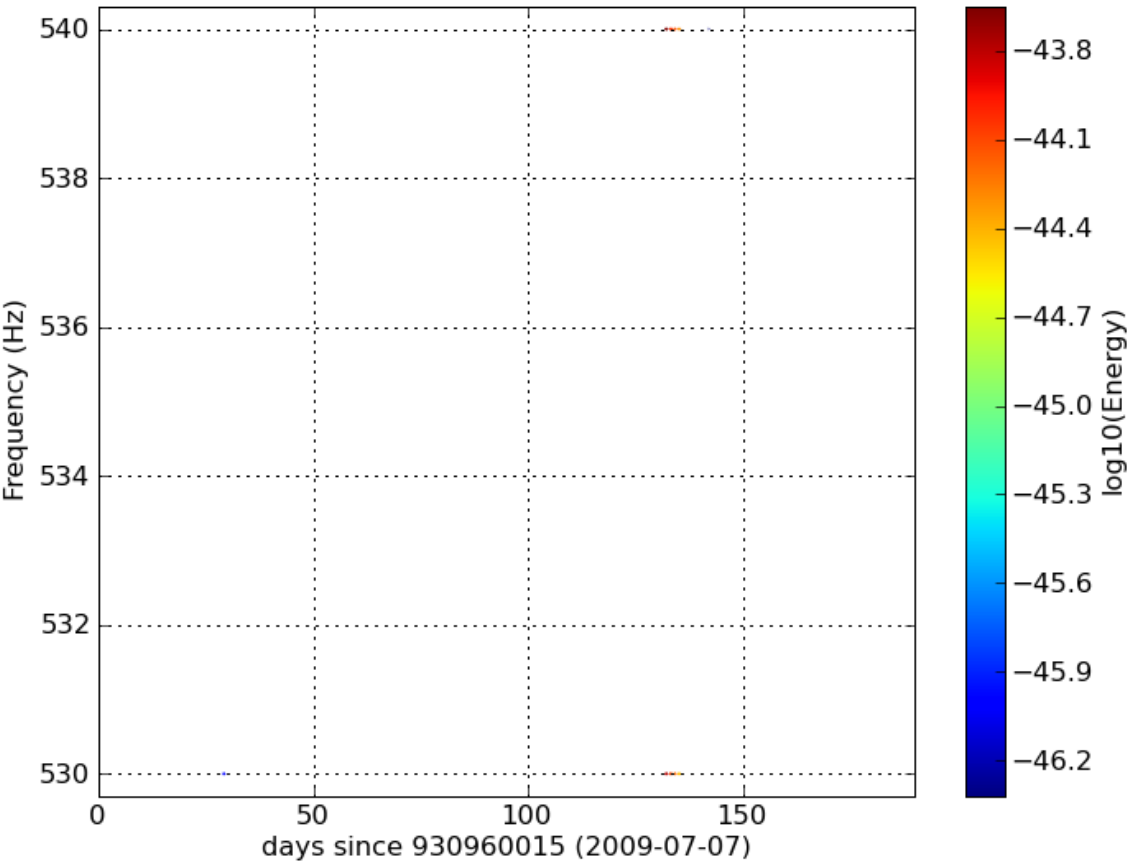
Lines trend - 520_530



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[530 - 540 Hz] (0 lines found)

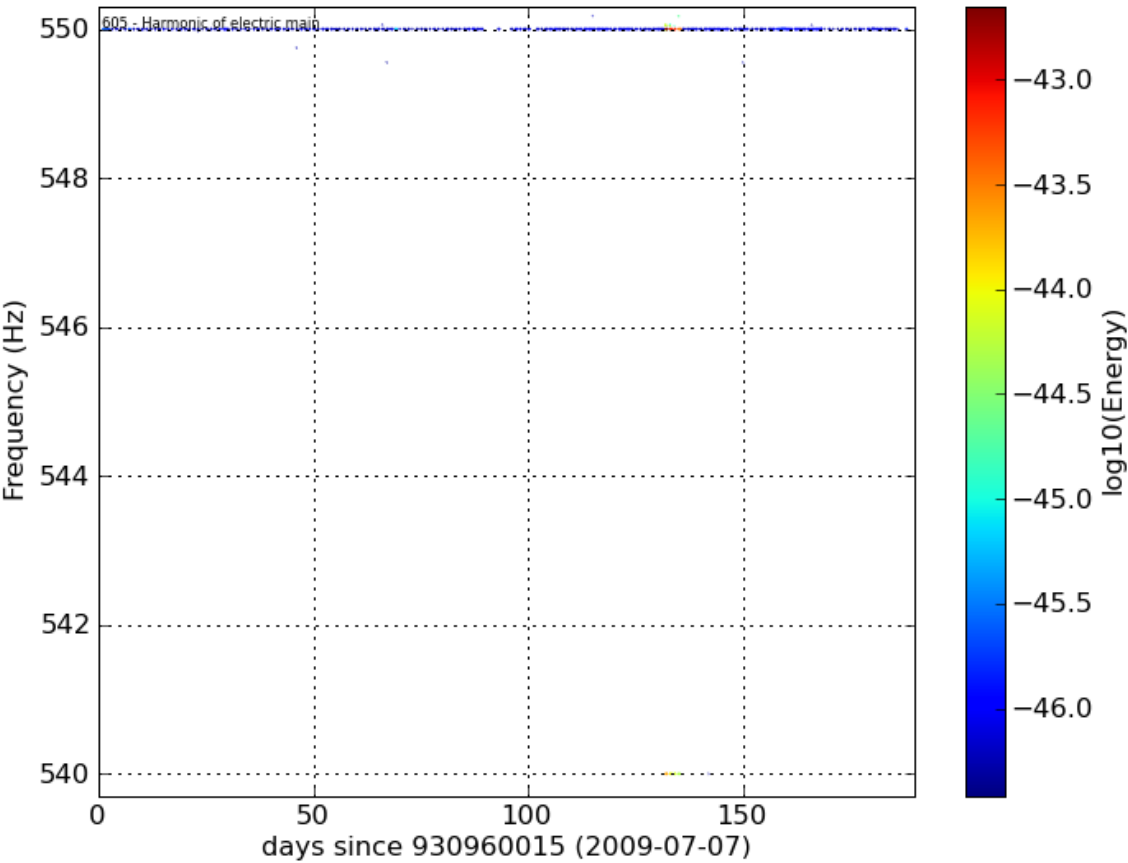
Lines trend - 530_540



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[540 - 550 Hz] (1 lines found)

Lines trend - 540_550

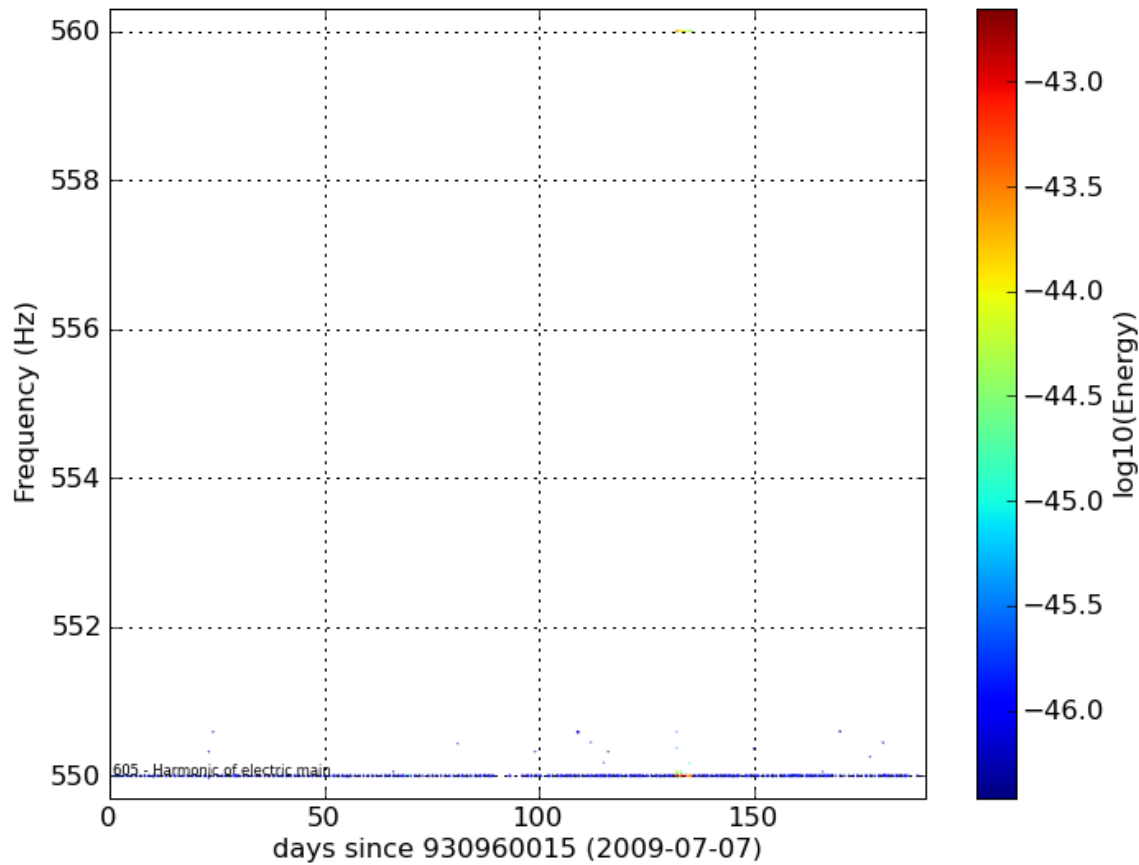


Id	Mean Frequency (Hz)	Frequency range (Hz)	First/last seen Presence	Mean pers	Mean CR	Mean sigma (Hz)	Coincident auxiliary channels	Metadata	Verbose dump	Plot Time-Frequency	Plot Time-Ampli
605	550.000	[549.995, 550.006]	2009-07-08/2010-01-11 0.99	0.53	6.20	0.001	Em_SE_Cryo01(78.5%) Em_MABDNE01(78.5%) Em_MABDWE01(78.5%) Em_SEDBDL03(78.5%) Em_MABDMC02(74.0%) Em_MABDCE01(70.2%) Em_AC_EIB(52.5%) Em_ACTCSNI(50.8%) Em_SETODE01(38.7%) Em_SEDBNE01(26.5%)	Harmonic of electric mains (50Hz)	dump	plot t-f	plot t-a

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[550 - 560 Hz] (1 lines found)

Lines trend - 550_560

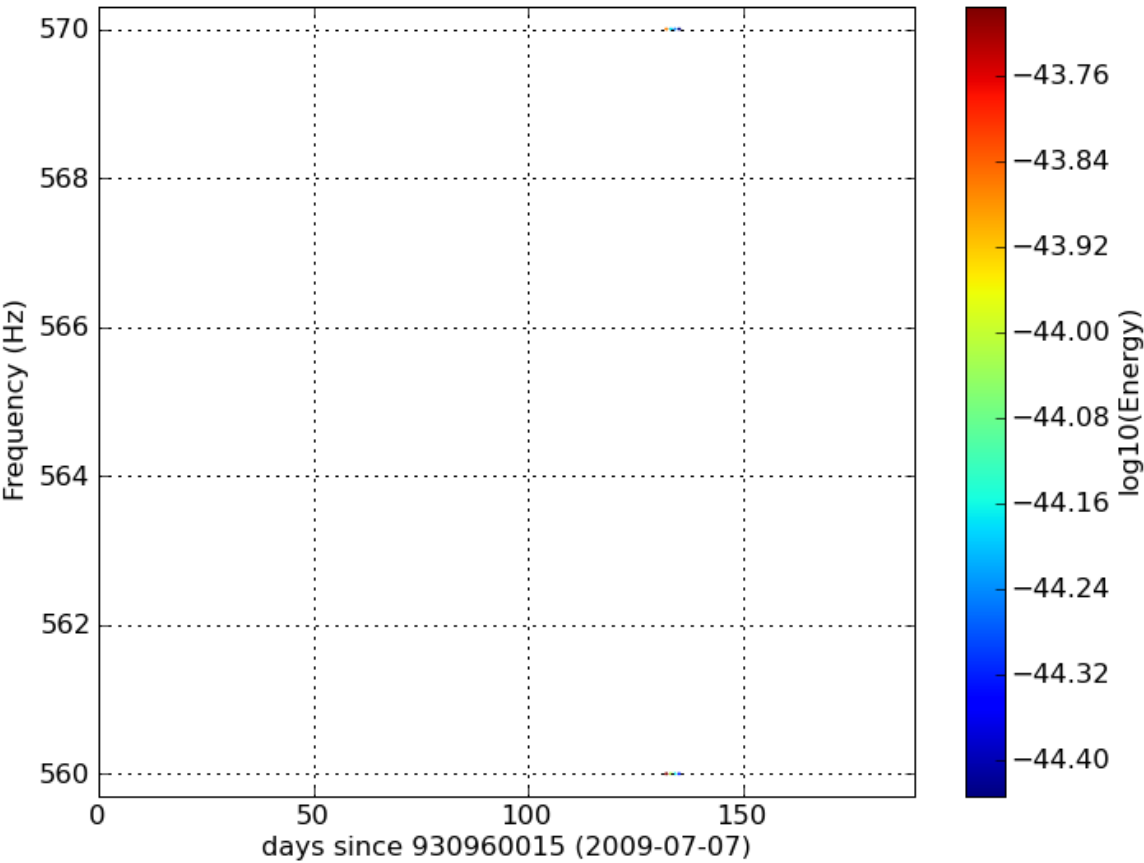


Id	Mean Frequency (Hz)	Frequency range (Hz)	First/last seen Presence	Mean pers	Mean CR	Mean sigma (Hz)	Coincident auxiliary channels	Metadata	Verbose dump	Plot Time-Frequency	Plot Time-Ampli
605	550.000	[549.995, 550.006]	2009-07-08/2010-01-11 0.99	0.53	6.20	0.001	Em_SE_Cryo01(78.5%) Em_MABDNE01(78.5%) Em_MABDWE01(78.5%) Em_SEDBDL03(78.5%) Em_MABDMC02(74.0%) Em_MABDCE01(70.2%) Em_AC_EIB(52.5%) Em_ACTCSNI(50.8%) Em_SETODE01(38.7%) Em_SEDBNE01(26.5%)	Harmonic of electric mains (50Hz)	dump	plot t-f	plot t-a

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[560 - 570 Hz] (0 lines found)

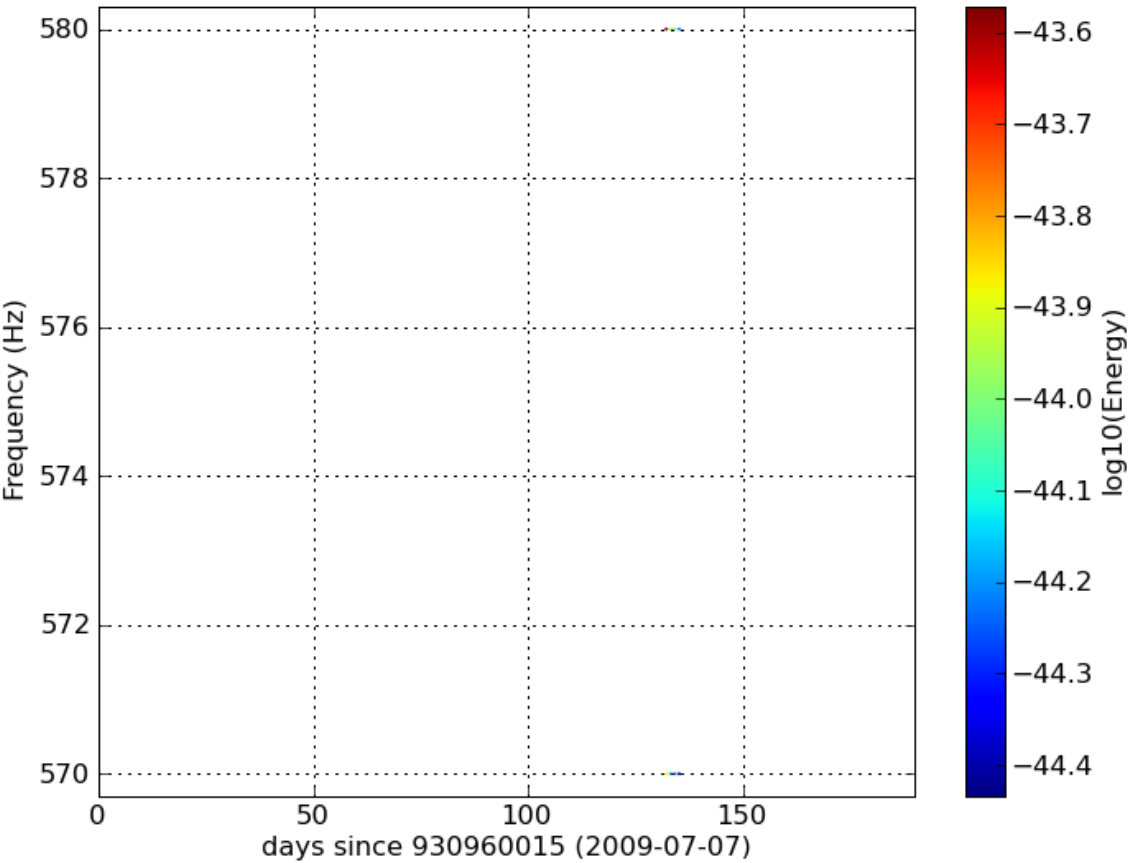
Lines trend - 560_570



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[570 - 580 Hz] (0 lines found)

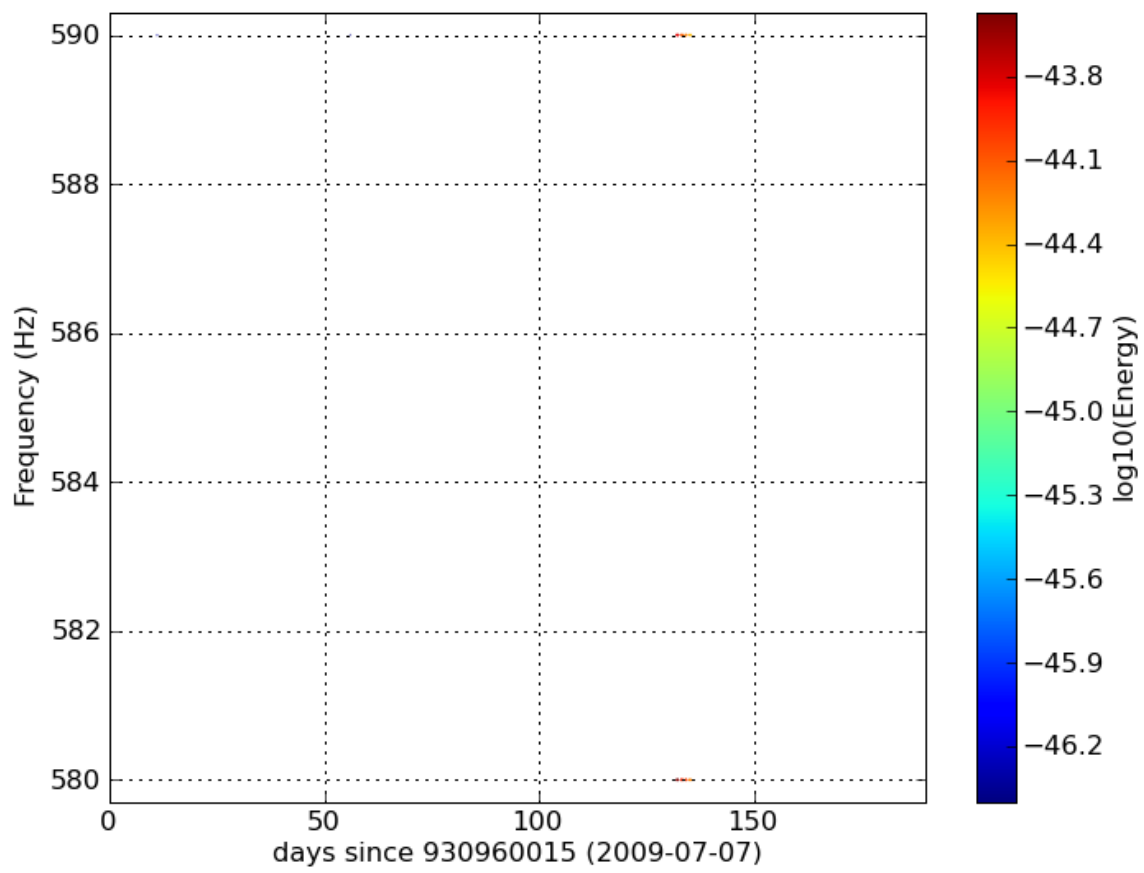
Lines trend - 570_580



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[580 - 590 Hz] (0 lines found)

Lines trend - 580_590



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[590 - 600 Hz] (0 lines found)



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Contacts

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