EBHIS Technical Report

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We report on the data quality and various observational difficulties encountered while using the 21-cm seven-feed receiver at the 100-m telescope for the Effelsberg-Bonn HI Survey (EBHIS) observations since late 2008.

1 Overview

In this report we summarize the current status of the EBHIS in terms of data quality and technical issues encountered during the measurements in the last two years. Currently, the three main issues with the EBHIS are radio frequency interference (RFI; Section 2), bandpass calibration, and standing-waves. The latter two are closely related problems in terms of data reduction though being physically independent. They are described in Section 3. In Sections 4 and 5 our observing strategy is discussed taking into account the technical framework defined by the instrument. Finally, in Section 6 a brief overview of the current EBHIS status and data quality will be given, followed by a short summary (Section 7).

2 Radio Frequency Interference (RFI)

2.1 Regular Interference

EBHIS data shows numerous narrowband and a considerable number of broadband interference signals. Whereas the latter mainly occur in the frequency range that is allocated to aeronautical radio navigation, the former are present all over the observing band and even in the protected part of the L-band; see Fig. 1.

Narrowband interference pollutes mostly one or two adjacent spectral channels and has in many cases rather constant amplitudes over a few minutes. Furthermore, interference in a given spectral channel and therefore frequency is visible in all 14 basebands of the 7-beam receiver. In many cases the amplitude of a given interference signal is different across the basebands. Often, narrowband RFI spikes appear in a comb-like pattern with equidistant frequencies (also in Fig. 1) which makes it likely that these spikes share

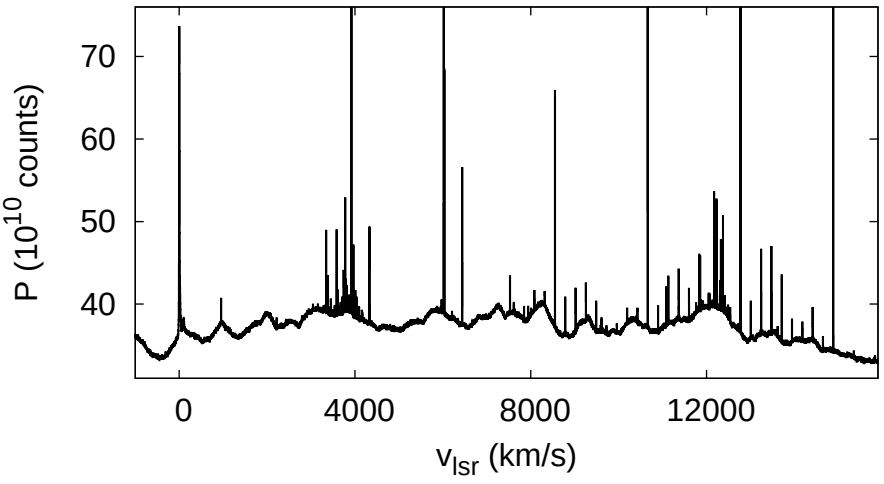

Figure 1: Typical raw spectrum of the EBHIS observations. Except for the emission line at $v_{\rm lsr} \approx 0\,{\rm km\,s^{-1}}$ all other narrow features can be attributed to RFI. The underlying baseline has a highly complex shape making correction difficult.

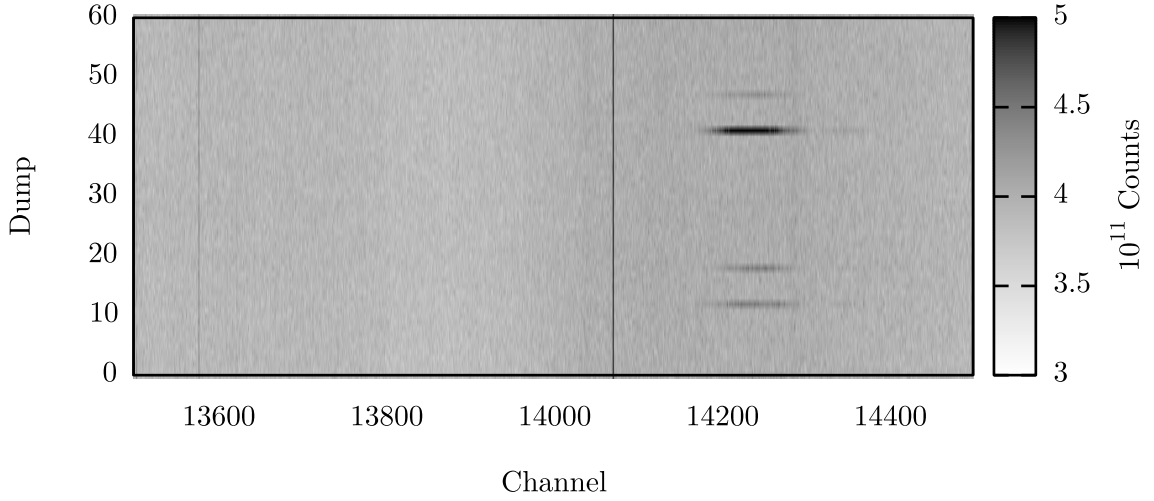

Figure 2: Signature of broadband interference in raw data.

a common origin. Two bands in the spectra (at about 1403 MHz and 1363 MHz, or $v_{\rm lsr} \approx 4000\,{\rm km\,s^{-1}}$ and $12500\,{\rm km\,s^{-1}}$, respectively) each being approximately 500 spectral channels wide are polluted with lots of individual RFI spikes. Except for these two bands narrowband RFI covers only a small fraction of all data (in the time–frequency plane) such that even in the case of complete excision of bad data points one looses only about 5% of the data. Broadband interference is relatively unproblematic for observations since it occupies very little data and can be efficiently mitigated. The signature of the two types of interference is illustrated in Fig. 2 and 3.

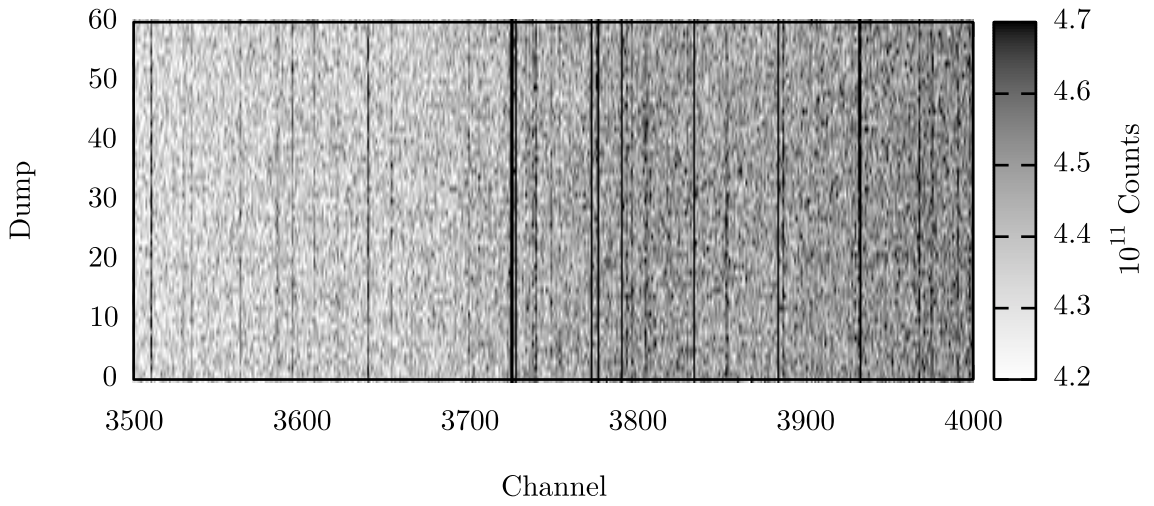

Figure 3: Signature of narrowband interference in raw data.

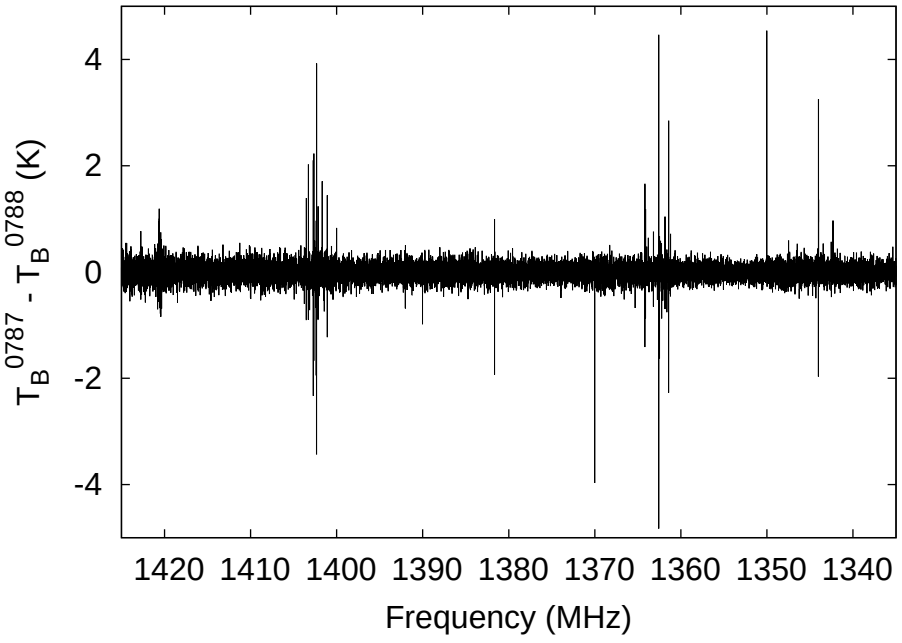

Figure 4: The amplitudes of narrowband RFI appear to be rather constant on short timescales. The plot shows the difference spectrum of two measurements of the calibration source S 7 performed within 3 min time delay. Only few (strongly time-variable) emitters appear mainly located within two bands at about 1403 MHz and 1363 MHz. Note, that both spectra ($\tau = 2$ min) where independently calibrated (for gain and bandpass) and baseline-corrected before the difference spectrum was calculated.

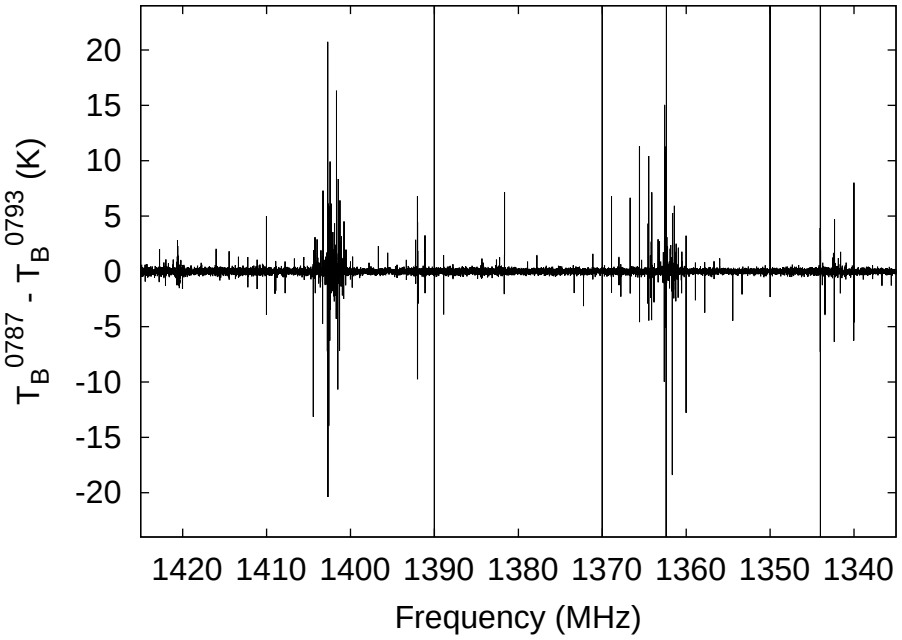

Figure 5: In contrast to Fig. 4, the RFI situation changes drastically on the course of several hours. Again two S 7 measurements were utilized but this time with a gap of 5 h between the observations.

While most narrowband RFI signals of a given baseband appear rather constant in amplitude within short time intervals (during a subscan, i.e., few minutes) as is shown in Fig. 4 the RFI situation changes significantly during an observing session of several hours length; see Fig. 5. Hence, the amount or amplitudes of the interference signals is likely dependent on azimuth, elevation, and/or time. Furthermore, most RFI is strongly polarized (Fig. 6).

During test measurements in spring 2009 with the help of telescope staff members we searched for RFI sources at the site. These measurements suggested, that the amplitude of many narrowband RFI signals would increase when the doors of the secondary focus where left open, which eventually would hint to RFI emitters being located in the secondary focus. We repeated similar tests during January 2011, but could not confirm this finding. Nevertheless, in contrast to the usual finding of RFI amplitudes being constant on short time intervals the opened doors do change the interference levels, but not generally in a manner where open doors mean higher levels; see Fig. 7. While the new test was performed at relatively low elevation the previous measurement was performed in Zenith. In the latter case the open doors might have reflected RFI from the horizon into the feed horns more efficiently, mimicking RFI sources in the secondary focus.

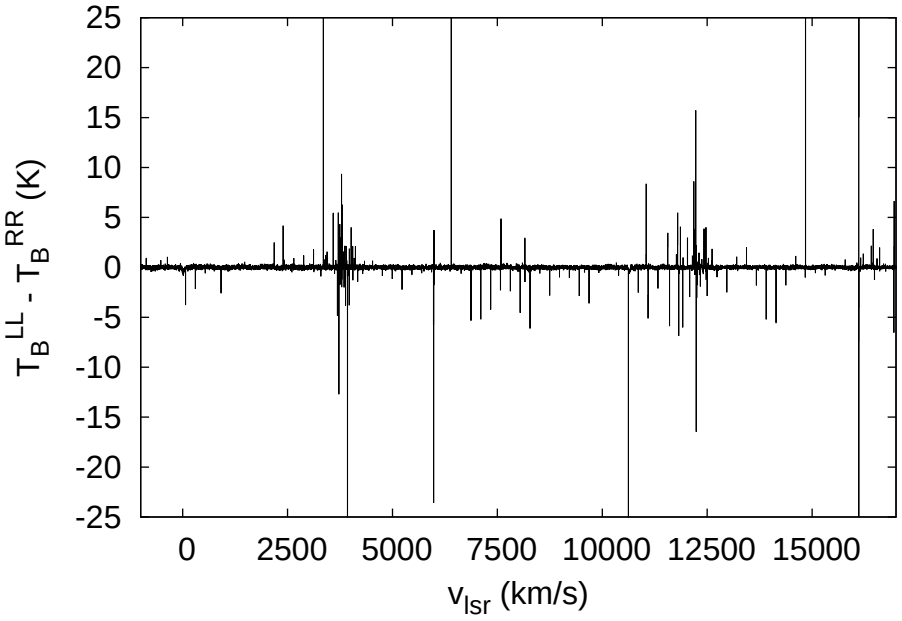

Figure 6: Most RFI signals are strongly polarized. The plot displays the difference between left- and right-hand circular polarization of the central feed for one measurement.

2.2 Persistent Broadband RFI

Since spring 2009, EBHIS observations were subject to persistent broadband interference in the azimuthal range between 220° and 340°. This RFI signal manifests itself in strong variations of the baselines in three different bands of about 10 MHz each; see Fig. 8. The three regions affected are:

- above 1420.2 MHz
- 1396.4 to 1405.6 MHz
- 1350.7 to 1362.9 MHz.

This in turn leads to a wave-like pattern in the position–velocity representation of the EBHIS data cubes (see Fig. 9). This modulation of the baselines is so severe that the data contaminated with this type of interference is not usable for science and has to be discarded. The dependence on the azimuth is illustrated in Fig. 10. As a consequence we had to limit all observations to an azimuthal range far off the affected region.

The azimuth range clearly favors the direction of the main building, especially the southern part of it. We therefore suspect that this certain type of interference stems from an electronic device in the main building. The spectral shape of the interference makes it hard to limit the possible sources, but the broad band characteristic clearly favors an analog device, since digital signals are more confined in frequency.

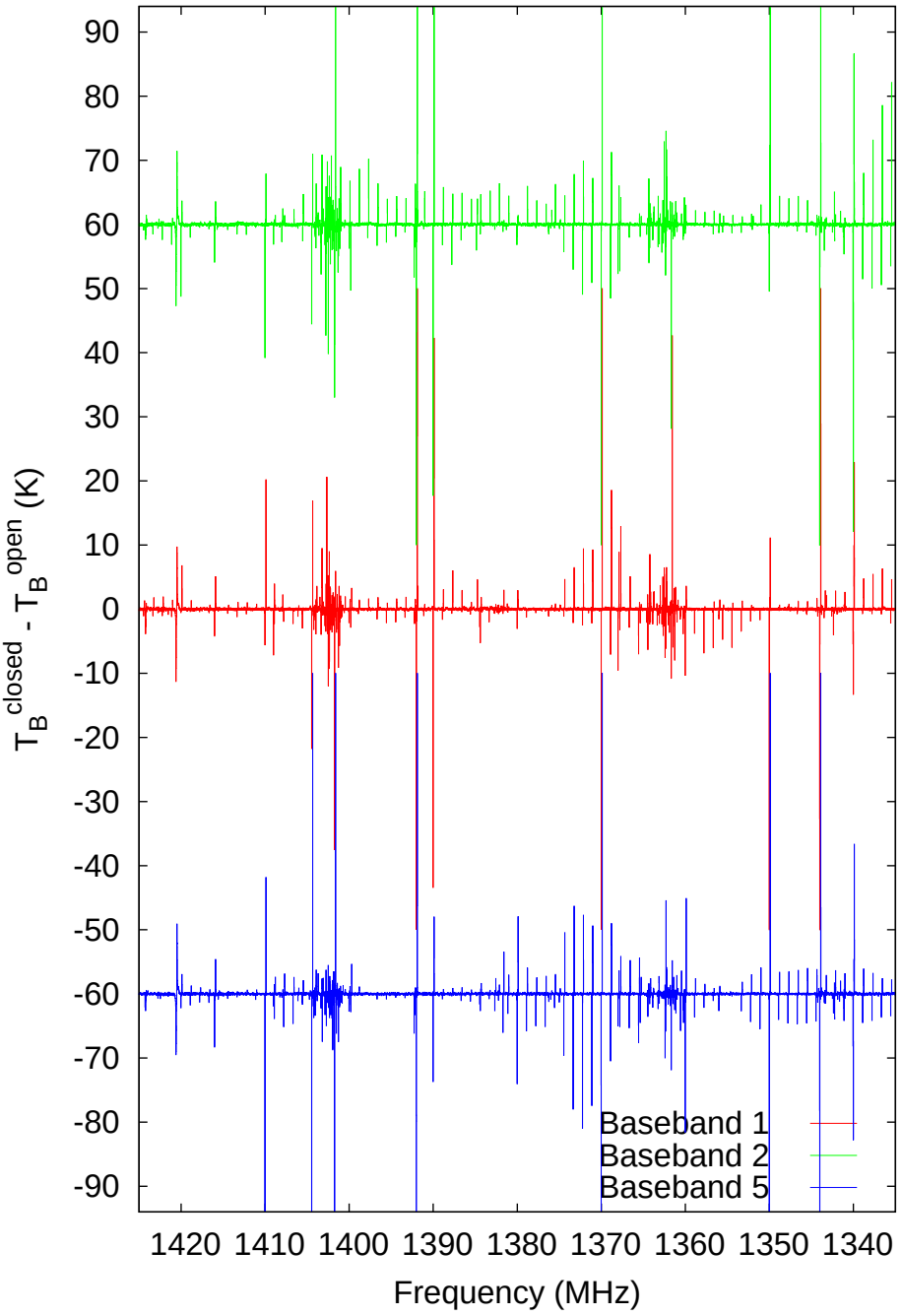

Figure 7: Difference of narrowband RFI amplitude levels with closed and open doors of the secondary focus cabin. Although the two measurements were performed with only 10 min time difference the changes are rather large. This is most likely due to the changed aperture causing different reflection paths for RFI. Three different basebands are shown.

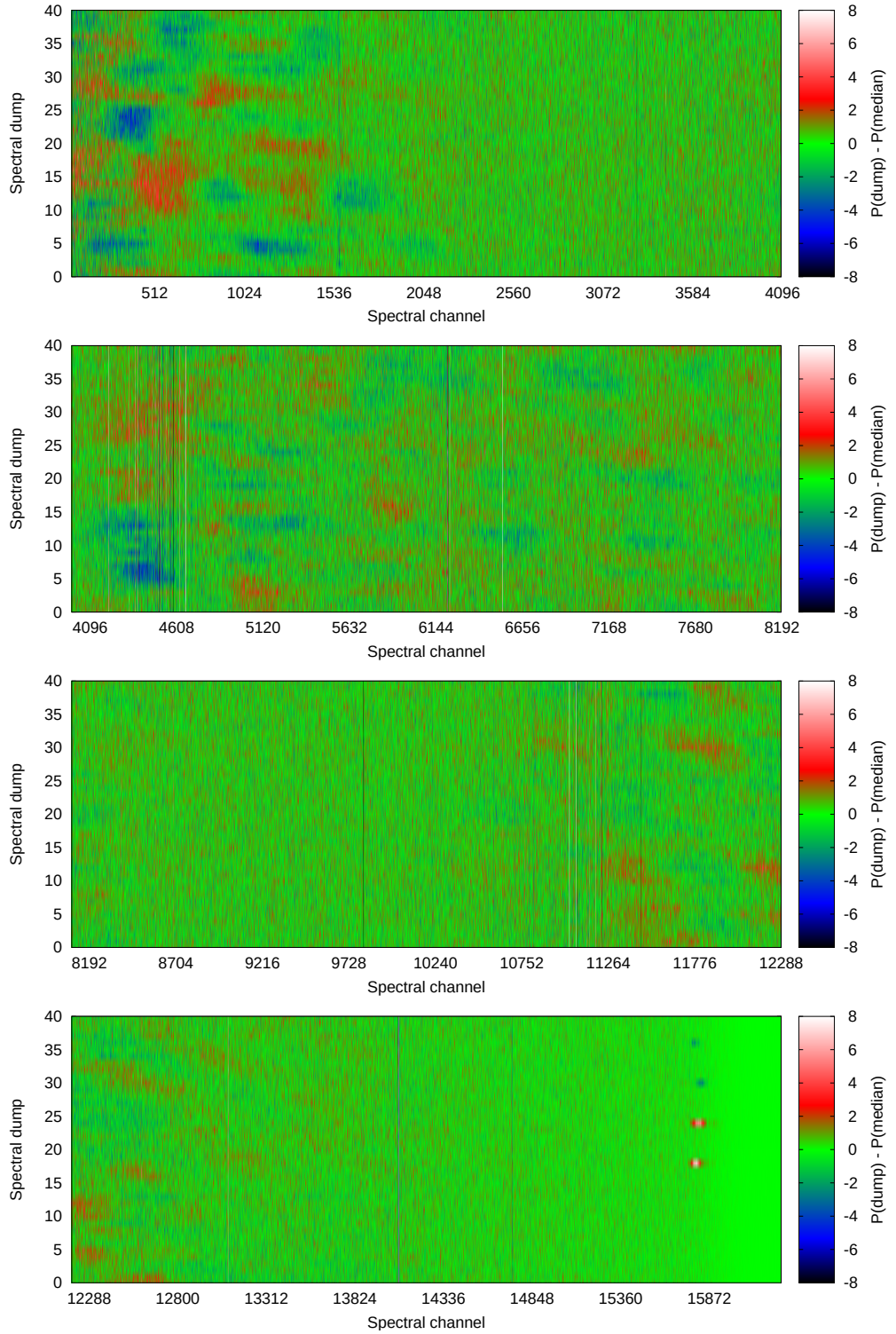

Figure 8: Signature of the persistent broadband interference in the raw data. Three regions are affected: (1) above 1420.2 MHz (spectral channel 0 to 1600); (2) 1396.4 to 1405.6 MHz (spectral channel 4000 to 5500); (3) 1350.7 to 1362.9 MHz (spectral channel 11000 to 13000).

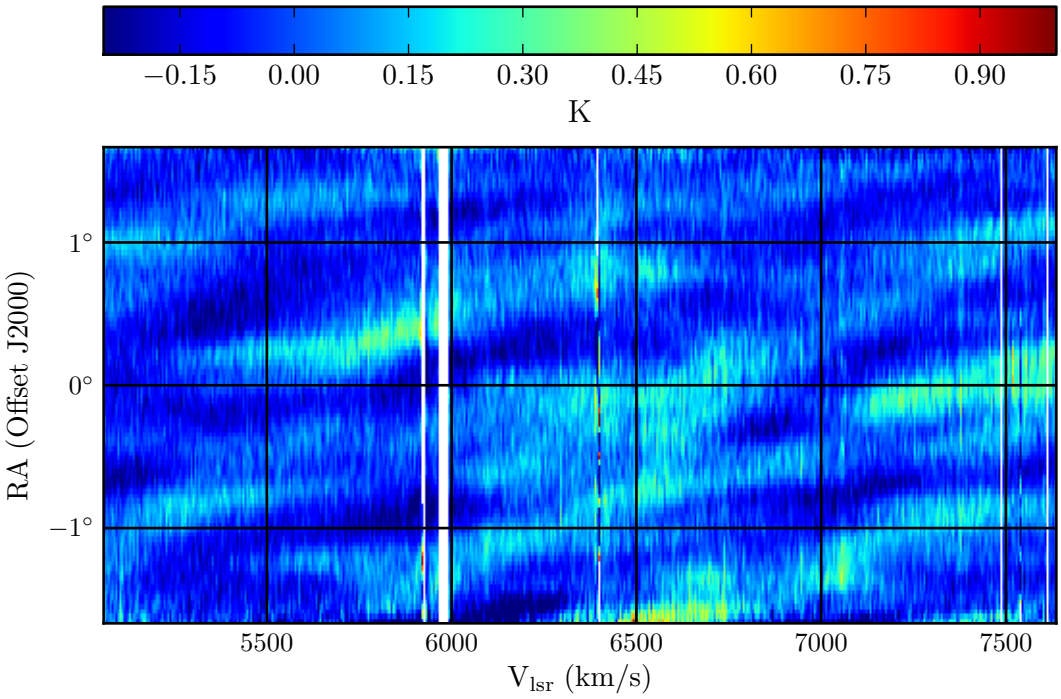

Figure 9: In the final data cubes the persistent broadband interference leads to a wave-like pattern in the position–velocity representation.

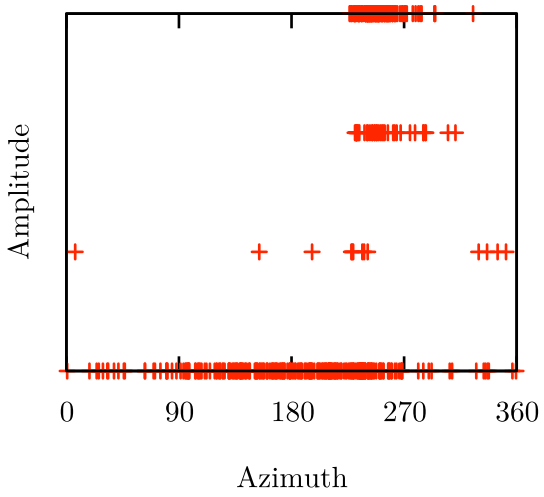

Figure 10: Classification of current EBHIS measurements according to the severity of the persistent broadband interference as a function of azimuth.

2.3 Low-level Narrowband Interference

During deep ($\tau = 600\,\mathrm{s/beam}$) observations in the direction of the Virgo Cluster, it became evident, that there is a high abundance of low-amplitude narrowband interference; see Fig. 11 top panel. This interference is not visible in the usual EBHIS observations ($\tau = 36\,\mathrm{s/beam}$).

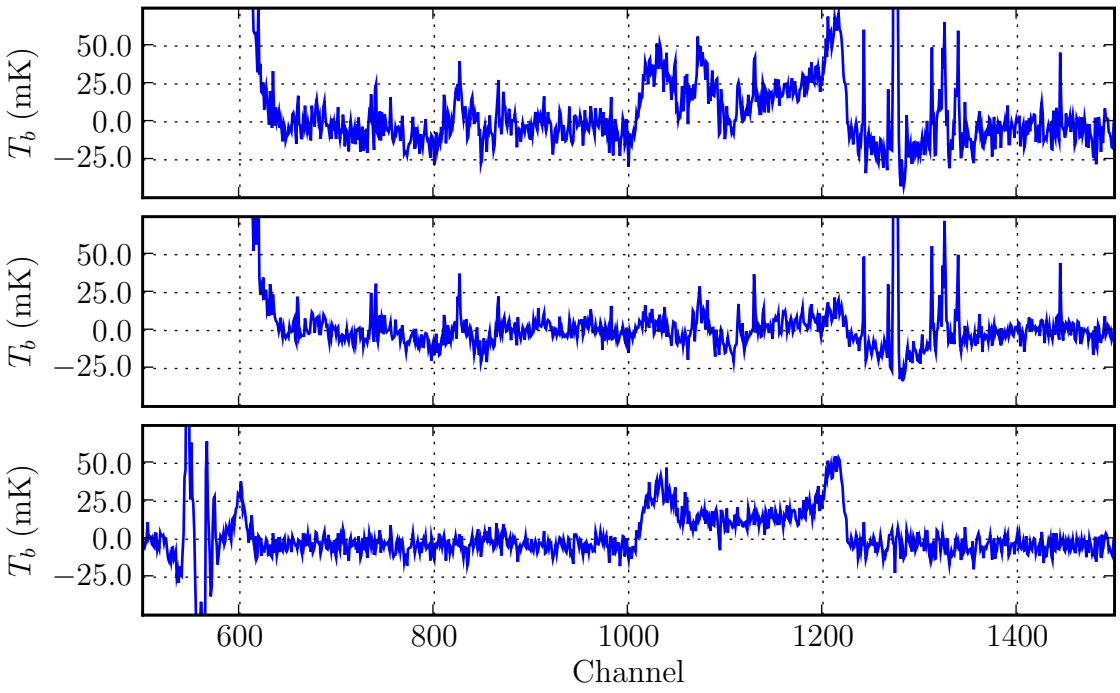

Figure 11: Spatially averaged spectrum of a galaxy from the deep observations of the Virgo Cluster. The top panel shows the data quality from the data reduction pipeline. The middle panel shows the result from the median filter. The bottom panel is the difference between the top and middle panel. Note that the filter also affects the source shape.

Due to the high abundance of the low-level interference, the reduced data has an RMS of 15.4 mK, almost three times higher than the value obtained from the radiometer equation of 5.4 mK ($T_{\rm sys} = 40\,{\rm K}$[1], $\Delta v = 10\,{\rm km/s}$). Only when applying a filter that suppresses the low-level interference, the RMS can be reduced to 6.2 mK, which is close to the theoretical value. This filter uses a median estimator to filter out the spatially extended signature of the narrowband interference in the final data cubes; see Fig. 11 middle panel. However, it also affects the source signal in the data (Fig. 11 bottom panel), and should therefore only be seen as a quick fix rather than a permanent solution.

Since low-level interference has the same spectral signature as the more intense narrowband interference a common source seems likely. Whereas in normal EBHIS observations the RFI environment in the L-band at Effelsberg is sufficiently well-behaved, it is difficult to obtain high quality deep observations due to the high abundance of interference.

[1]The observations of the Virgo Cluster were carried out at rather low elevations, due to the constraints placed on the azimuth due to the interference described in Section 2.2.

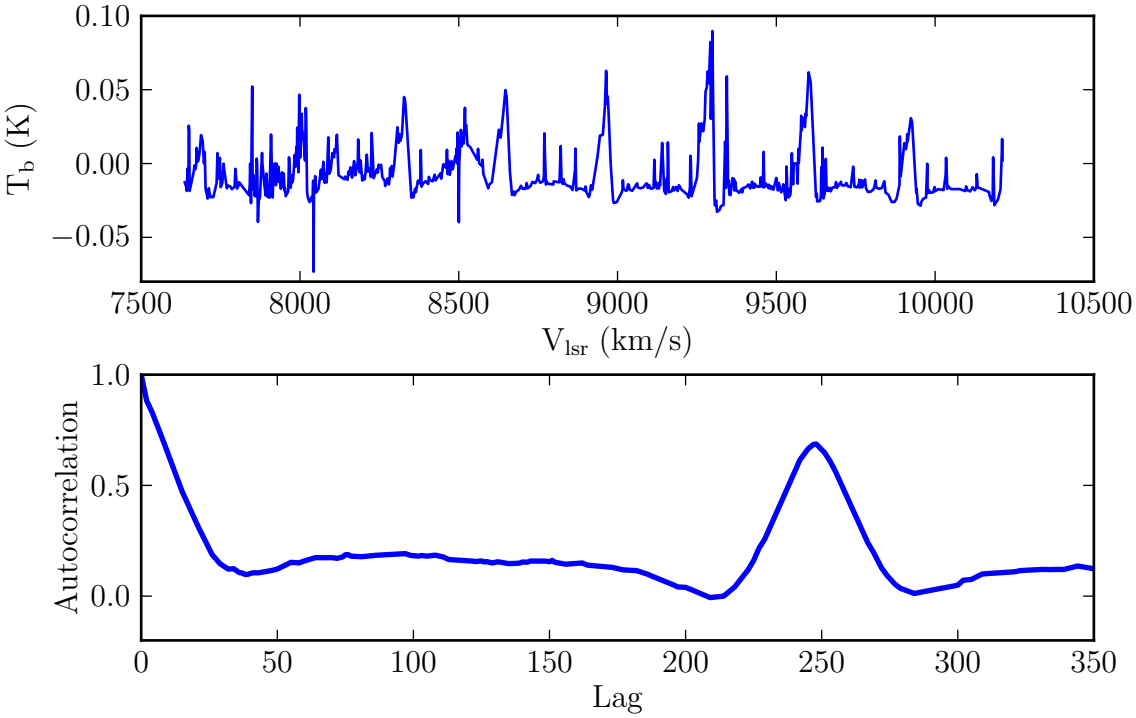

Figure 12: Top panel: Average spectrum over the high redshift part of a whole dataset. Remaining low-level RFI and the periodic interference signal are clearly visible. Bottom panel: Autocorrelation of the data in the top panel. The peak of the autocorrelation at 247 corresponds to a period of about 1.5 MHz.

2.4 Other Interference

2.4.1 GPS L3 Mode

A recent addition to the Global Positioning System, GPS, added a new carrier frequency at 1381.05 MHz. This signal is especially problematic because it has a large bandwidth of 1 MHz or roughly 220 km/s and overlaps with the HI emission at the redshift of the Coma cluster [2]. Since this GPS signal is part of a military nuclear event detection system, it is not announced beforehand and measurements corrupted with this signal have to be discarded. Flagging of this interference is especially difficult because it exhibits very large side lobes that affect a large portion of the observing band. The current approach is to just discard a large amount of the affected data.

2.4.2 1.5 MHz Periodic Interference

During the previously mentioned observations of the Virgo Cluster, a spectrally broad interference signal ($\Delta v \approx 20$ km/s) was detected. This signal repeated quite precisely every 1.5 MHz, as confirmed by the autocorrelation function of the spectra (see Fig. 12).

3 Baseline issues

A very important aspect of the EBHIS survey is the ability to reduce a large amount of spectra in an automatic fashion which made it necessary to develop new fast and robust algorithms. Apart from RFI excision the second major computationally expensive task is the baseline calibration. During our measurements it turned out, that the complex shape of the underlying baseline in the spectra (compare Fig. 1) is the result of two very different effects. The first is the bandpass (or gain curve), the second is strong multi-modal standing waves produced in the primary-secondary dish 'resonator' of the telescope.

The bandpass of the system is a frequency-dependent gain that, hence, acts in a multiplicative way on the signal fed into the receiver. As such it is important not to confuse the overall baseline with the bandpass, as additive signals like the standing waves show also a strong frequency dependence but are further multiplied with the frequency-dependent bandpass. As a consequence, effort has to be taken to separate both functions and treat them individually.

3.1 Bandpass ripples

In order to extract the true bandpass shape one usually applies techniques like position of frequency switching. However, as we show in [4] both methods will fail in the presence of a strong frequency dependence of the RF part of the bandpass (i.e., before the down conversion in the mixer). Unfortunately, it turned out that the seven-feed receiver has a very strong RF frequency dependence.

To calculate the true bandpass shape $G = G_{\mathrm{RF}} G_{\mathrm{IF}}$ (of the combined RF/IF system) we utilize a new method using the built-in noise diode. According to Keller (*priv. comm.*) the frequency curve of which is sufficiently flat, such that we can compute

$$\begin{aligned} P_{\mathrm{IF}}^{\mathrm{cal}} - P_{\mathrm{IF}} &= G \left[T_{\mathrm{A}}^{\mathrm{cal}} + T_{\mathrm{sys}}^{\mathrm{cal}} + T^{\mathrm{cal}} - T_{\mathrm{A}} - T_{\mathrm{sys}} \right] \\ &= G T^{\mathrm{cal}} \end{aligned} \tag{1}$$

which allows to compute G as a function of the raw spectra deterministically. As we dump spectra on very short time scales the resulting G is too noisy to be used. A well-working solution is to calculate the mean spectra (or median spectra to avoid influence of bursts of RFI) over several hundreds or even a few thousands of seconds, e.g., using a complete 5×5 sq.deg. map (for each baseband).

In Fig. 13 we show an example bandpass curve containing several ripples which do follow the LO shift strongly suggesting the origin of these ripples to be located in the RF part of the receiver. Furthermore, a zoom-in (Fig. 14) reveals rather sharp features the reason of which is currently unknown.

The bandpass curves are similar (not identical) in all basebands except for two: baseband 7 and 14; see Fig. 15 for an example. These two basebands (from the same feed) show a strong feature in the center of the bandpass. The functional form of the bandpass curves is rather stable with time, although some of the features (especially the more sharp ones) vary slightly over the course of few hours to days.

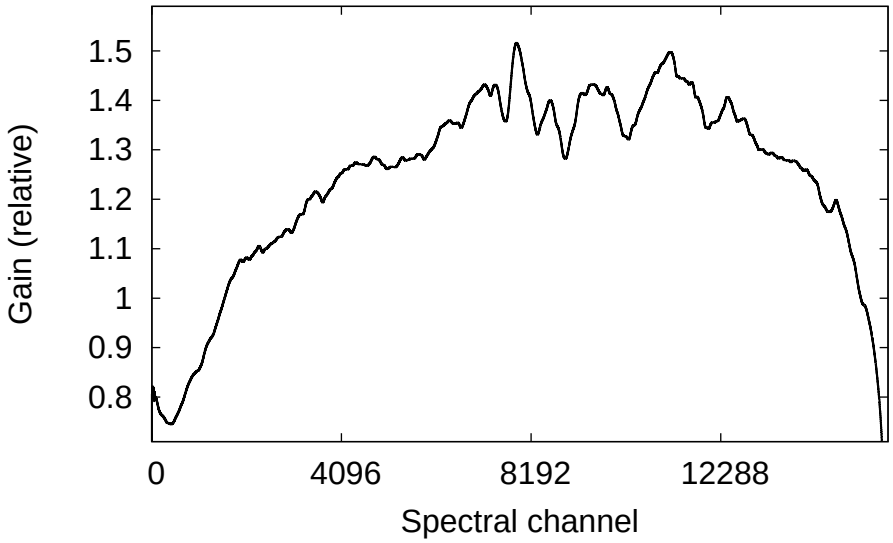

Figure 13: Bandpass curve $G = G_{\rm RF}G_{\rm IF}$ of the complete 21-cm multi-feed system (baseband 1). The ripples (see Fig. 14 for a zoom-in) are caused by the RF part of the heterodyne receiver, as they follow the LO shift.

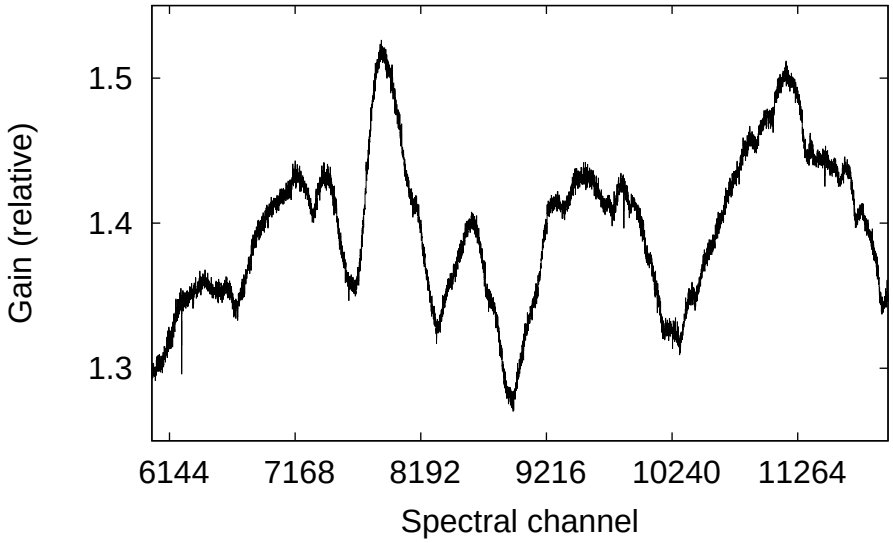

Figure 14: Zoom-in of the bandpass curve in Fig. 13.

As a final remark we like to point out, that also the single-feed 21-cm receiver (which is very similar to the multi-feed system) shows the strong RF ripples, as could be confirmed by test measurements.

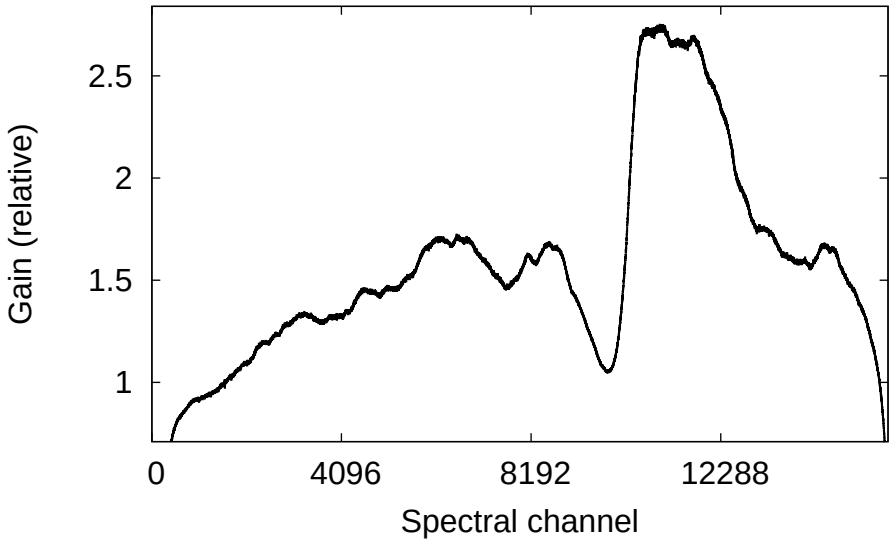

Figure 15: As Fig. 13 but showing the bandpass of baseband 14 which contains a strong jump, the origin of which is unknown.

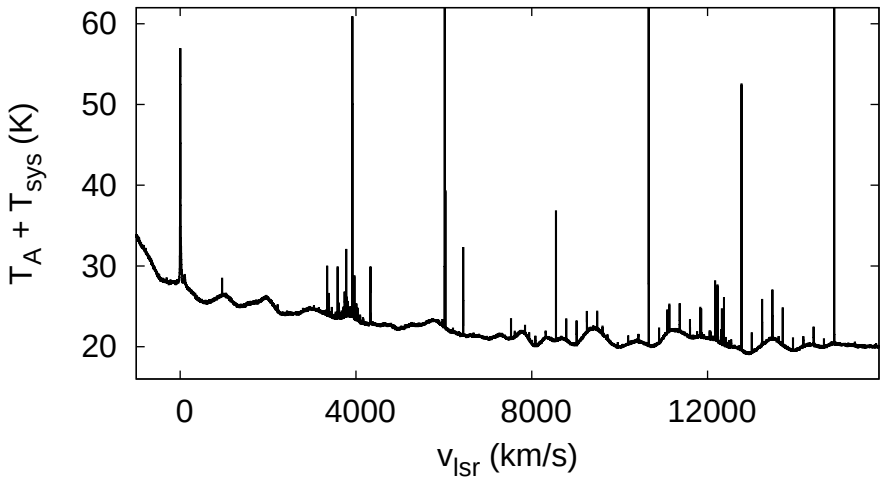

Figure 16: Reconstructed spectrum after bandpass and gain calibration. The remaining baseline level is due to the various continuum and noise contributions modulated with a multi-modal sine-wave pattern (standing waves).

3.2 Standing waves

After application of the bandpass removal (i.e., division of the spectra with the determined bandpass curve) the spectra also reveal multi-modal sine-wave contributions; see Fig. 16. Usually, such a pattern is attributed to standing waves (SWs) between the primary and secondary focus. We tested this hypothesis by performing test measurements with the single-feed receiver (which is constructed in a similar way as the multi-feed).

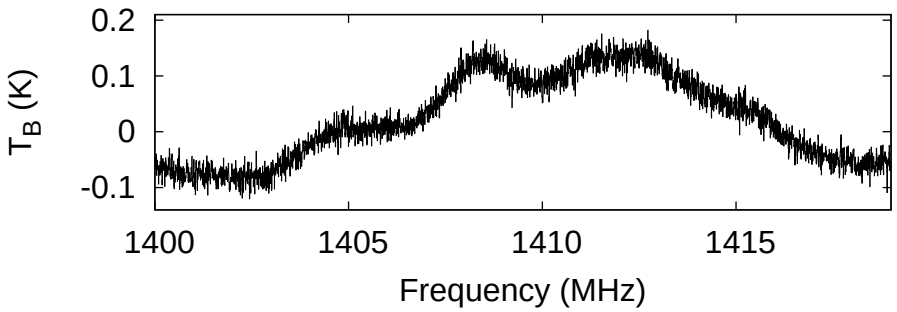

Figure 17: In the final data cubes residual imprints of the standing waves are still visible in some cases, e.g., on bright continuum sources. The plot shows the spectrum of M 86 in a data cube corrected for baseline and continuum. Apart from such defects the data cubes have sufficiently flat baselines.

For technical reasons the sub-reflector at the 100-m telescope is slightly off-axis when observing with this instrument. These tests showed a significant reduction of the SW amplitudes.

The different baselines show generally different standing wave patterns which slowly change during the measurements most likely as a result of a changing continuum level. This can be clearly seen in the final data cubes where strong continuum sources exhibit a residual wave-like pattern; see Fig. 17. As the baselines are computed for complete subscans to increase accuracy, the algorithm can not account for rapid changes in the baseline. But even slightly different continuum levels (e.g., due to changing ground radiation) will have some (statistical) impact. This imposes a serious problem to the baseline computation because the commonly utilized approach — computing median baselines for a certain time interval — will not be able to remove residual changes in the SW. In some cases data cubes produced using median baselines show clear signs of a SW pattern. Currently the only solution for the EBHIS is the application of computationally expensive two-dimensional FFT filtering algorithms directly applied to the time–frequency plane. A drawback are so-called baseline holes which can be produced around weak astronomical sources which could not be flagged automatically. **Therefore, a solution to the SW problem would be of special importance for the EBHIS both in terms of data quality and processing time.**

4 Instrumental setup and map planning

In order to minimize the effects imposed by RFI, bandpass, and standing waves issues the following measurement scheme emerged. Survey observations are carried out in smaller portions mapping 5×5 sq.deg. fields per Scan (each map takes about 65 to 70 min of observing time). The individual maps are measured in so-called zig-zag on-the-fly mode (scanning in Right ascension). In principle mapping at constant elevations would probably result in much less SW residual changes but it would be much more difficult

to obtain a homogeneous noise level (i.e., integration time per position) across the sky.

Due to the extremely broadband RFI (see Section 2.2) we limit all observations (except of the calibration source S 7) to the azimuthal range between 30° and 200°. The limitation in azimuth has the disadvantage, that observations have to be carried out before the culmination of a given field which leads to a higher system temperature because of the low elevation, especially for the fields at low declination. Also, the possibility to obtain a second coverage of the target fields at a different hour angle and therefore velocity correction is highly limited. Such a coverage is highly advantageous when it comes to the elimination of systematic errors and RFI mitigation.

A second limitation is caused by the mapping speed. In order to achieve the desired 36 s of integration time per beam the individual maps utilize a scanning speed of 240" per second. At elevations above 60° this starts to exceed the specified maximal telescope speed[2]. Hence, all observations have to be allocated to obey both limits, making map planning a relatively complex task. A special simulation software was written to assist the observer with finding appropriate LST intervals for certain sky fields.

Initially, we intended to use the common frequency-switching technique to obtain bandpass-calibrated spectra. As discussed above, this is not feasible with the current front-end. For consistency of all data taken so far we decided to still use the four-phase switching scheme (i.e., using cal/nocal and two different LO shifts), although we do not utilize the switched spectra for bandpass correction.

One important point is, that for our bandpass calibration method, the noise diode with the higher noise temperature must be used. Several tests have been carried out with the lower noise temperature diode and we were not able to calculate the bandpass shapes to sufficient accuracy.

5 Telescope control software

During Summer 2010 a new telescope control software was implemented at Effelsberg. In the meantime most of the initial issues related with the new software could be resolved. Currently, there is one issue with the "Fitswriter" task which connects with the backend server to receive the raw spectral data and write them to disk. A special version of the control software was forked to circumvent this issue (`affts_control.py`).

A problem which only occurred in the beginning of the EBHIS campaign (with the old control software, which was later also fixed) was that the feed rotation angle (aka OPOS) which should account for the parallactic angle changes during the measurement was wrongly calculated. As a consequence some of the measurements suffer from strong aliasing rendering the data virtually unusable.

[2]Also the differential change of the parallactic angle must not exceed certain values.

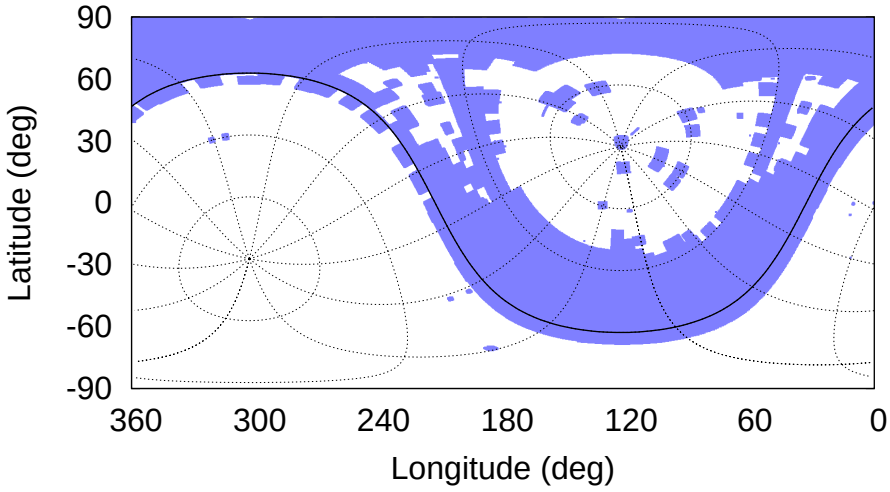

Figure 18: Current sky coverage of the EBHIS as of Nov. 2010.

6 Current status of the EBHIS and data quality

Since the beginning of 2009 the regular EBHIS measurements (i.e., the survey mode) is ongoing. For a detailed technical report of the precursor test observations see [3]. As shown earlier, the multi-feed receiver provides good system temperature values and stability. [1] performed an analysis of two deep fields (each having 10 min effective integration time per position) showing that the receiver can in principle be used for such measurements, although some special treatment of the data is necessary due to RFI and standing waves (for further details we refer to [1]).

In Fig. 18 the current sky coverage of EBHIS is shown. Unfortunately, several of the 5×5 sq.deg. maps are strongly affected by RFI and aliasing artifacts (see below). About 40% of the first coverage of the Northern hemisphere has been mapped so far (with sufficient data quality). In total about 800 h of observing time was allocated up to now, 300 h of which have to be treated as lost due to the mentioned problems (for a more detailed list, see Appendix A).

Despite all the problems with the data the first results are very promising. In Fig. 19 we show a comparison of a field measured with the Galactic All-Sky Survey (GASS, made with the Parkes telescope) and EBHIS having similar quality and sensitivity. EBHIS has a slightly higher nominal noise level but better angular resolution leading to about the same column density detection limits (when smoothing the Effelsberg beam to the Parkes resolution).

A comprehensive review on the EBHIS is given in Kerp et al. (2010 submitted).

7 Summary

Even in its incomplete shape, the EBHIS has already proven to be an extremely valuable source of high-quality data. Unfortunately, we suffer from two effects — strong

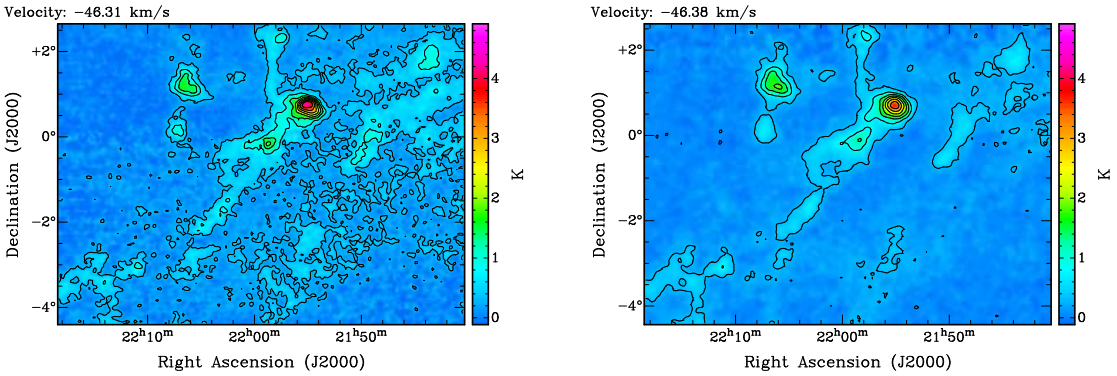

Figure 19: Comparison of a field measured with EBHIS (left panel) and GASS (right panel). Note, that the EBHIS map is actually a mosaic of four different measurements, the upper part having lower noise level (as observed with twice the integration time).

RFI pollution and a complicated standing wave pattern — making the data reduction complicated and computationally expensive. While we developed methods which are able to deal with these problems under most circumstances, especially, the search for the faintest structures in the data will not be an easy task, as low-amplitude RFI is very abundant and our baseline algorithm produces 'holes' adjacent to the sources. (Note, that the baseline holes are a well-known problem regardless of the specific baseline algorithm, only the relative strength of the holes could be somewhat lowered when the baselines were intrinsically more stable).

We would also like to point out, that the bandpass curve (i.e., the wiggles in the RF part) does not allow frequency switching (and would even make position switching rather complicated). This fact is probably also of interest for other observers, when using the multi-feed (and also single-feed) receiver.

Unfortunately, the source of the extremely broadband persistent RFI (see Section 2.2) was still not identified, limiting the azimuthal range which can safely be observed substantially. A solution to this issue would be very welcomed.

References

[1] Flöer, L., 2010, Diploma thesis, *Evaluation of the EBHIS data on the local universe*

[2] Nigra, L., Lewis, B. M., Edgar, C., Perillat, P., Quintero, L., Stanimirovic, S., & Gallagher, J. S., 2010, arXiv:1007.1801

[3] Winkel, B., Kerp, J.,& Kalberla, P. M. W., 2007, Tech. Report, *EBHIS: Test observations with the new 7-Beam receiver*

[4] Winkel, B., Kalberla, P. M. W., Kerp, J., & Flöer, L., 2010, ApJS, 188, 488

A List of measured fields and amount of data loss

.

Source	Timestamp	Scan	Subscan Start	Subscan End	Right Ascension	Declination	Integration Time	Fractional data loss
D28CORR	2010-09-20T04:05:34	9848	1	39	5h3m4s	17d30m0s	70 min	0%
C29CRIT	2010-09-20T02:53:19	9847	1	39	5h4m44s	12d34m59s	69 min	0%
E25CRIT	2010-09-20T01:39:37	9846	1	39	4h19m11s	22d25m0s	70 min	0%
F23CRIT	2010-09-20T00:27:34	9845	1	39	3h43m31s	27d19m59s	70 min	0%
MA14CRIT	2010-09-19T23:09:45	9843	1	39	0h11m27s	-2d15m0s	69 min	0%
MA12CRIT	2010-09-19T21:57:36	9842	1	39	23h31m26s	-2d15m0s	69 min	0%
F13CRIT	2010-09-19T20:36:58	9840	1	39	0h2m7s	27d19m59s	69 min	0%
B3CRIT	2010-09-19T19:23:03	9839	1	39	20h31m26s	7d40m0s	69 min	0%
MA36CORR	2010-09-19T18:11:10	9838	1	39	19h1m26s	-2d15m0s	69 min	0%
MA67CORR	2010-09-19T16:18:51	9836	1	39	17h56m25s	-2d15m0s	102 min	0%
B65CRIT	2010-09-19T15:05:45	9835	1	39	17h11m26s	7d40m0s	69 min	0%
C61CRIT	2010-09-19T13:53:12	9834	1	39	16h20m59s	12d34m59s	69 min	0%
MC8GALPOL	2010-09-19T12:40:35	9833	1	39	14h31m54s	2d24m37s	69 min	0%
A7GALPOL	2010-09-19T11:27:05	9832	1	39	14h14m29s	17d7m40s	69 min	0%
MA46ACRIT	2010-09-19T09:56:37	9830	1	39	10h51m27s	-2d15m0s	69 min	0%
MA44CRIT	2010-09-19T08:45:27	9829	1	39	9h51m27s	-2d15m0s	69 min	0%
MA40CRIT	2010-09-19T07:33:39	9828	1	39	8h31m27s	-2d15m0s	69 min	0%
MA37CRIT	2010-09-19T06:22:04	9827	1	39	7h31m27s	-2d15m0s	69 min	0%
MA33CRIT	2010-09-17T05:15:19	9070	1	12	6h11m26s	-2d15m0s	21 min	0%
MA30CRIT	2010-09-17T04:03:33	9069	1	39	5h11m26s	-2d15m0s	69 min	0%
MA26CRIT	2010-09-17T02:40:01	9067	1	39	3h51m26s	-2d15m0s	69 min	0%
MA23CRIT	2010-09-17T01:28:59	9066	1	39	3h11m26s	-2d15m0s	68 min	0%
MA19CRIT	2010-09-17T00:17:01	9065	1	39	1h51m27s	-2d15m0s	69 min	0%
MA16CRIT	2010-09-16T23:34:10	9064	1	23	0h51m27s	-1d15m0s	40 min	0%
MA16CRIT	2010-09-16T22:37:41	9062	1	20	0h51m27s	-2d15m0s	35 min	0%
F14CRIT	2010-09-16T21:05:15	9060	1	39	0h24m16s	27d19m59s	69 min	0%
F11CRIT	2010-09-16T19:53:50	9059	1	39	23h17m52s	27d19m59s	69 min	0%
F72CRIT	2010-09-16T18:41:24	9058	1	39	21h48m35s	27d19m59s	69 min	0%
F69CRIT	2010-09-16T17:29:30	9057	1	39	20h42m9s	27d19m59s	69 min	0%
F22CRIT	2010-09-15T23:37:29	9045	1	39	3h21m22s	27d19m59s	69 min	0%
C16CRIT	2010-09-15T21:51:41	9042	1	39	0h51m27s	12d34m59s	68 min	0%
E9CRIT	2010-09-15T19:39:03	9033	1	39	22h33m26s	22d25m0s	69 min	0%
B6CRIT	2010-09-15T18:30:47	9032	1	39	21h31m26s	7d40m0s	66 min	0%
D3CRIT	2010-09-15T17:21:32	9031	1	39	20h31m26s	17d30m0s	68 min	0%
B39CRIT	2010-09-08T04:56:01	8621	1	39	8h11m27s	7d40m0s	69 min	0%
D34CORR	2010-09-08T03:45:28	8620	1	39	7h8m54s	17d30m0s	69 min	0%
D30CORR	2010-09-08T02:17:21	8618	1	39	5h45m1s	17d30m0s	69 min	0%
B28CRIT	2010-09-08T01:07:37	8617	1	39	4h31m27s	7d40m0s	68 min	0%
E23CRIT	2010-09-07T23:56:58	8616	1	39	3h35m55s	22d25m0s	69 min	0%
B17CRIT	2010-09-07T22:47:50	8615	1	39	1h11m27s	7d40m0s	66 min	0%
C9CRIT	2010-09-07T21:09:45	8613	1	25	22h31m26s	13d30m0s	42 min	0%
C9CRIT	2010-09-07T20:40:08	8612	1	13	22h31m26s	12d34m59s	22 min	0%
D8CRIT	2010-09-07T20:06:20	8611	1	19	22h11m26s	16d15m0s	32 min	0%
A5CRIT	2010-09-07T18:12:08	8607	1	43	21h11m26s	2d45m0s	73 min	0%
E3CRIT	2010-09-07T17:00:38	8606	1	39	20h23m26s	22d25m0s	69 min	0%
E65CRIT	2010-09-07T15:49:22	8605	1	39	18h44m30s	22d25m0s	69 min	0%
C36CRIT	2010-09-07T04:40:52	8513	1	39	7h28m11s	12d34m59s	69 min	0%
A33CRIT	2010-09-07T03:32:59	8512	1	39	6h11m26s	2d45m0s	66 min	0%
C32CRIT	2010-09-07T02:23:11	8511	1	39	6h6m13s	12d34m59s	69 min	0%
E26CRIT	2010-09-07T00:52:51	8509	1	39	4h40m49s	22d25m0s	71 min	0%
E22CRIT	2010-09-06T23:42:21	8508	1	39	3h14m18s	22d25m0s	70 min	0%
C17CORR	2010-09-06T22:11:05	8507	1	39	1h15m37s	12d34m59s	95 min	0%
B11CRIT	2010-09-06T20:38:14	8505	1	39	23h11m26s	7d40m0s	66 min	0%
B8CRIT	2010-09-06T19:28:18	8504	1	39	22h11m26s	7d40m0s	66 min	0%
E5CRIT	2010-09-06T18:08:11	8503	1	39	21h6m26s	22d25m0s	69 min	0%
E2CRIT	2010-09-06T16:51:54	8502	1	39	20h2m26s	22d25m0s	69 min	0%
D68CORR	2010-09-06T15:35:17	8501	1	39	18h48m33s	17d30m0s	69 min	0%
C33CRIT	2010-09-06T04:40:04	8487	1	39	6h26m43s	12d34m59s	69 min	0%
D29CORR	2010-09-06T03:27:36	8486	1	39	5h24m4s	17d30m0s	69 min	0%
D26CORR	2010-09-06T02:10:52	8485	1	39	4h21m9s	17d30m0s	69 min	0%
D23CORR	2010-09-06T00:47:25	8484	1	39	3h18m13s	17d30m0s	69 min	0%
B46CRIT	2010-09-05T08:07:33	8453	1	39	10h31m27s	7d40m0s	66 min	0%
B43CRIT	2010-09-05T06:57:28	8452	1	39	9h31m27s	7d40m0s	66 min	0%
C38CRIT	2010-09-05T05:46:46	8451	1	39	8h9m11s	12d34m59s	66 min	0%
C35CRIT	2010-09-05T04:36:32	8450	1	39	7h7m41s	12d34m59s	68 min	0%
C31CRIT	2010-09-05T03:26:05	8449	1	39	5h45m43s	12d34m59s	66 min	0%
C28CRIT	2010-09-05T01:59:21	8447	1	39	4h44m14s	12d34m59s	66 min	0%
D24CORR	2010-09-05T00:48:38	8446	1	39	3h39m13s	17d30m0s	66 min	0%
D21CORR	2010-09-04T23:38:15	8445	1	39	2h36m18s	17d30m0s	66 min	0%
F17CRIT	2010-09-04T22:27:15	8444	1	39	1h30m40s	27d19m59s	66 min	0%
E8CRIT	2010-09-04T19:38:21	8439	1	39	22h11m26s	22d25m0s	66 min	0%
C3CRIT	2010-09-04T18:27:07	8438	1	39	20h31m26s	12d34m59s	66 min	0%
F67CRIT	2010-09-04T17:17:26	8437	1	39	19h57m50s	27d19m59s	66 min	0%
C66CRIT	2010-09-04T16:07:46	8436	1	39	18h3m28s	12d34m59s	66 min	0%
B64CRIT	2010-09-04T14:58:12	8435	1	39	16h51m27s	7d40m0s	66 min	0%
MA58CRIT	2010-09-04T13:33:12	8433	1	39	14h51m27s	-2d15m0s	66 min	0%
MA54CRIT	2010-09-04T12:23:28	8432	1	39	13h31m27s	-2d15m0s	66 min	0%
MA51CRIT	2010-09-04T11:15:10	8431	1	39	12h31m27s	-2d15m0s	66 min	0%
MA48CRIT	2010-09-04T09:55:37	8430	1	37	11h31m27s	-2d15m0s	63 min	0%
A68GALPOL	2010-09-04T08:46:46	8429	1	39	11h28m22s	17d30m0s	66 min	0%
B44CRIT	2010-09-04T05:27:25	8418	1	39	9h51m27s	7d40m0s	66 min	0%
B40CRIT	2010-09-04T04:20:16	8417	1	39	8h31m27s	7d40m0s	67 min	0%

C37CRIT	2010-09-04T03:13:33	8416	1	39	7h48m41s	12d34m59s	67 min	0%
D25CORR	2010-09-04T01:39:28	8413	1	39	4h0m10s	17d30m0s	66 min	0%
E21CRIT	2010-09-04T00:30:40	8412	1	39	2h52m40s	22d25m0s	67 min	0%
F19CRIT	2010-09-03T23:21:25	8411	1	39	2h14m58s	27d19m59s	67 min	0%
F16CRIT	2010-09-03T22:12:22	8410	1	39	1h8m31s	27d19m59s	67 min	0%
E7CRIT	2010-09-03T19:36:42	8406	1	30	21h49m26s	22d25m0s	51 min	0%
C4CRIT	2010-09-03T18:19:47	8404	1	38	20h51m26s	12d34m59s	65 min	0%
D2CRIT	2010-09-03T17:11:41	8403	1	39	20h11m26s	17d30m0s	67 min	0%
D69CORR	2010-09-03T16:01:44	8402	1	39	19h9m30s	17d30m0s	69 min	0%
C34CRIT	2010-08-31T04:50:05	8047	1	39	6h47m11s	12d34m59s	64 min	0%
C30CRIT	2010-08-31T03:43:18	8046	1	39	5h25m13s	12d34m59s	64 min	0%
D27CORR	2010-08-31T02:35:04	8045	1	39	4h42m7s	17d30m0s	64 min	0%
MA22CRIT	2010-08-31T01:10:11	8043	1	39	2h51m26s	-2d15m0s	64 min	0%
MA18CRIT	2010-08-31T00:03:59	8042	1	39	1h31m26s	-2d15m0s	66 min	0%
E19CORR	2010-08-30T22:57:44	8041	1	39	2h9m24s	22d25m0s	64 min	0%
B15CRIT	2010-08-30T21:51:05	8040	1	39	0h31m26s	7d40m0s	64 min	0%
E11CRIT	2010-08-30T19:50:51	8037	1	39	23h16m20s	22d25m0s	63 min	0%
C5CRIT	2010-08-30T18:16:00	8034	1	39	21h11m26s	12d34m59s	64 min	0%
C2CORR	2010-08-30T16:55:57	8033	1	39	20h9m20s	12d34m59s	82 min	0%
D70CORR	2010-08-30T15:50:09	8032	1	39	19h30m29s	17d30m0s	64 min	0%
MA34CRIT	2010-08-24T05:22:22	7873	1	39	6h31m27s	-2d40m0s	64 min	0%
B29CRIT	2010-08-24T04:00:43	7871	1	39	4h51m26s	7d40m0s	64 min	0%
C25CRIT	2010-08-24T02:52:13	7870	1	39	3h42m46s	12d34m59s	64 min	0%
D22CORR	2010-08-24T01:44:53	7869	1	39	2h57m16s	17d30m0s	64 min	0%
D19CORR	2010-08-24T00:38:04	7868	1	39	1h54m22s	17d30m0s	64 min	0%
E16CRIT	2010-08-23T23:17:05	7867	1	39	1h4m31s	22d25m0s	64 min	0%
C8CORR	2010-08-23T21:47:11	7865	1	39	22h11m25s	12d34m59s	64 min	0%
C67CRIT	2010-08-23T20:36:35	7864	1	39	18h23m56s	12d34m59s	64 min	0%
B66CRIT	2010-08-23T19:28:11	7863	1	39	17h31m26s	7d40m0s	64 min	0%
B63CRIT	2010-08-23T18:19:11	7862	1	39	16h31m27s	7d40m0s	64 min	0%
MA60CORR	2010-08-23T17:12:19	7861	1	39	15h21m27s	-2d40m0s	64 min	0%
MA56CRIT	2010-08-23T16:05:33	7860	1	39	14h11m27s	-2d40m0s	64 min	0%
MA52CRIT	2010-08-23T15:13:43	7859	1	22	12h51m27s	-2d40m0s	36 min	0%
B34CRIT	2010-08-23T05:07:33	7846	1	39	6h31m27s	7d40m0s	64 min	0%
A30CRIT	2010-08-23T03:46:46	7844	1	39	5h11m26s	2d45m0s	64 min	0%
C26CRIT	2010-08-23T02:39:27	7843	1	39	4h3m16s	12d34m59s	64 min	0%
C23CRIT	2010-08-23T01:33:24	7842	1	39	3h22m16s	12d34m59s	64 min	0%
D20CORR	2010-08-23T00:26:36	7841	1	39	2h15m19s	17d30m0s	64 min	0%
D17CORR	2010-08-22T23:20:13	7840	1	39	1h12m25s	17d30m0s	64 min	0%
E13CRIT	2010-08-22T21:52:07	7838	1	39	0h0m27s	22d25m0s	64 min	0%
B7CRIT	2010-08-22T20:44:53	7837	1	39	21h51m26s	7d40m0s	64 min	0%
C6CRIT	2010-08-22T19:38:37	7836	1	39	21h31m26s	12d34m59s	64 min	0%
C71CORR	2010-08-22T18:17:45	7835	1	39	19h43m6s	12d34m59s	82 min	0%
C68CRIT	2010-08-22T17:11:10	7834	1	39	18h44m25s	12d34m59s	64 min	0%
MA57CRIT	2010-08-22T15:47:04	7832	1	39	14h31m27s	-2d40m0s	64 min	0%
M83CORR	2010-08-22T14:45:19	7831	1	39	13h37m0s	-29d51m56s	64 min	0%
MA52CRIT	2010-08-22T14:24:06	7830	1	11	12h51m27s	-2d40m0s	18 min	0%
MA49CRIT	2010-08-22T13:17:15	7829	1	39	11h51m27s	-2d40m0s	64 min	0%
A47CRIT	2010-08-22T10:42:02	7825	1	39	11h11m27s	2d45m0s	64 min	0%
A46CRIT	2010-08-22T09:21:05	7823	1	39	10h31m27s	2d45m0s	64 min	0%
A43CRIT	2010-08-22T08:14:56	7822	1	39	9h31m27s	2d45m0s	64 min	0%
A42CRIT	2010-08-22T07:09:48	7821	1	39	9h11m27s	2d45m0s	64 min	0%
B37CRIT	2010-08-22T06:03:06	7820	1	39	7h31m27s	7d40m0s	64 min	0%
B33CRIT	2010-08-22T04:56:41	7819	1	39	6h11m26s	7d40m0s	64 min	0%
B30CRIT	2010-08-22T03:50:07	7818	1	39	5h11m26s	7d40m0s	64 min	0%
C27CRIT	2010-08-22T02:23:47	7816	1	39	4h23m46s	12d34m59s	64 min	0%
C22CRIT	2010-08-22T01:17:11	7815	1	39	3h1m46s	12d34m59s	64 min	0%
D18CRIT	2010-08-22T00:10:04	7814	1	39	1h33m22s	17d30m0s	64 min	0%
C18CRIT	2010-08-21T23:04:34	7813	1	39	1h39m49s	12d34m59s	64 min	0%
E14CRIT	2010-08-21T21:57:59	7812	1	39	0h21m27s	22d25m0s	64 min	0%
E10CRIT	2010-08-21T20:51:32	7811	1	39	22h54m26s	22d25m0s	64 min	0%
D6CRIT	2010-08-21T19:24:26	7809	1	39	21h31m26s	17d30m0s	64 min	0%
D4CRIT	2010-08-21T18:18:48	7808	1	39	20h51m22s	17d30m0s	64 min	0%
B62CRIT	2010-08-21T16:05:40	7806	1	39	16h11m27s	7d40m0s	64 min	0%
B61CRIT	2010-08-21T14:59:22	7805	1	39	15h51m27s	7d40m0s	64 min	0%
B60CRIT	2010-08-21T13:53:54	7804	1	39	15h31m27s	7d40m0s	64 min	0%
A28CRIT	2010-08-21T04:48:37	7784	1	15	4h31m27s	2d45m0s	25 min	0%
A27CRIT	2010-08-21T03:41:58	7783	1	39	4h11m26s	2d45m0s	64 min	0%
C21CRIT	2010-08-21T02:16:51	7781	1	39	2h41m18s	12d34m59s	64 min	0%
C20CRIT	2010-08-21T01:11:00	7780	1	39	2h20m48s	12d34m59s	64 min	0%
C19CRIT	2010-08-21T00:05:00	7779	1	39	2h0m17s	12d34m59s	64 min	0%
G14CRIT	2010-08-20T22:35:59	7777	1	39	0h33m22s	32d15m0s	64 min	0%
E15CRIT	2010-08-20T21:30:59	7776	1	39	0h42m52s	22d25m0s	64 min	0%
C70CRIT	2010-08-20T20:17:50	7775	1	39	19h25m25s	12d34m59s	64 min	0%
C69CRIT	2010-08-20T19:07:44	7774	1	39	19h4m55s	12d34m59s	64 min	0%
A67CRIT	2010-08-20T17:58:50	7773	1	39	17h51m26s	2d45m0s	64 min	0%
MA63CRIT	2010-08-20T16:50:32	7772	1	39	16h31m27s	-2d40m0s	64 min	0%
MA62CRIT	2010-08-20T15:44:16	7771	1	39	16h11m27s	-2d40m0s	64 min	0%
E35CRIT	2010-08-20T05:44:35	7741	1	15	7h55m31s	22d25m0s	24 min	0%
E32CRIT	2010-08-20T04:38:12	7740	2	39	6h50m36s	22d25m0s	62 min	0%
C25CRIT	2010-08-20T02:20:23	7736	1	39	1h19m19s	12d34m59s	64 min	0%
C22CRIT	2010-08-20T01:10:40	7735	1	39	1h19m19s	12d34m59s	64 min	0%
C18CRIT	2010-08-20T00:04:37	7734	1	39	1h19m19s	12d34m59s	64 min	0%
C17CRIT	2010-08-19T22:58:49	7733	1	39	1h19m19s	12d34m59s	64 min	0%
E18CRIT	2010-08-19T21:30:53	7731	1	39	1h47m46s	22d25m0s	64 min	0%
B72CRIT	2010-08-19T20:10:40	7730	1	39	19h31m26s	7d40m0s	64 min	0%
A68CRIT	2010-08-19T19:01:57	7729	1	39	18h11m26s	2d45m0s	64 min	0%
A66CRIT	2010-08-19T17:54:27	7728	1	39	17h31m26s	2d45m0s	64 min	0%
A65CRIT	2010-08-19T16:47:53	7727	1	39	17h11m26s	2d45m0s	64 min	0%
H6CRIT	2010-08-19T00:40:35	7698	1	14	0h2m25s	37d10m0s	46 min	0%

H6CRIT	2010-08-18T23:22:55	7697	1	15	0h2m25s	37d10m0s	49 min	0%
G66CRIT	2010-08-18T21:10:09	7693	1	14	21h3m3s	32d15m0s	23 min	0%
MA35CRIT	2010-08-18T19:03:58	7692	1	39	18h31m25s	-2d40m0s	127 min	0%
MA31CRIT	2010-08-18T17:05:47	7691	1	39	15h51m25s	-2d40m0s	127 min	0%
MA28CRIT	2010-08-18T03:16:03	7673	1	39	4h31m27s	-2d40m0s	127 min	0%
B19CRIT	2010-08-18T02:03:50	7672	1	39	1h51m27s	7d40m0s	64 min	0%
B18CRIT	2010-08-18T00:56:36	7671	1	39	1h31m26s	7d40m0s	64 min	0%
A17CRIT	2010-08-17T23:51:40	7670	1	39	1h11m27s	2d45m0s	64 min	0%
H9CRIT	2010-08-17T21:31:51	7668	1	39	22h49m10s	37d10m0s	127 min	0%
MA72CRIT	2010-08-17T19:33:15	7667	1	39	19h31m26s	-2d40m0s	127 min	0%
MA65CRIT	2010-08-17T17:35:06	7666	1	39	17h1m27s	-2d40m0s	127 min	0%
B59CRIT	2010-08-17T16:23:35	7665	1	39	15h11m27s	7d40m0s	64 min	0%
B58CRIT	2010-08-17T15:15:03	7664	1	39	14h51m27s	7d40m0s	64 min	0%
B26CRIT	2010-08-14T03:48:08	6839	1	39	3h51m26s	7d40m0s	64 min	0%
B25CRIT	2010-08-14T02:42:14	6838	1	39	3h31m26s	7d40m0s	64 min	0%
B17CRIT	2010-08-14T01:32:25	6837	1	39	1h11m27s	7d40m0s	56 min	0%
H16CRIT	2010-08-14T00:24:31	6836	1	39	1h32m13s	37d10m0s	59 min	0%
H8CRIT	2010-08-13T22:18:54	6835	1	30	22h11m26s	37d10m0s	49 min	0%
A72CRIT	2010-08-13T21:08:53	6834	1	39	19h31m26s	2d45m0s	64 min	0%
A71CRIT	2010-08-13T20:00:41	6833	2	39	19h11m26s	2d45m0s	62 min	0%
M83	2010-08-13T15:28:58	6822	1	15	14h4m12s	-29d51m56s	39 min	0%
B20CRIT	2010-07-05T04:35:09	1239	1	39	2h11m26s	7d40m0s	70 min	0%
E72CRIT	2010-07-05T03:16:19	1237	1	39	21h15m55s	22d25m0s	70 min	48.4%
E71CRIT	2010-07-05T01:57:10	1235	1	39	20h54m17s	22d25m0s	70 min	0%
E67CRIT	2010-07-05T00:36:11	1233	1	39	19h27m46s	22d25m0s	70 min	0.6%
E66CRIT	2010-07-04T23:15:58	1231	1	39	19h6m7s	22d25m0s	70 min	0%
E60CRIT	2010-07-04T21:52:24	1229	1	39	16h56m19s	22d25m0s	70 min	0%
F57CRIT	2010-07-04T20:26:55	1227	1	39	16h16m20s	27d19m59s	70 min	0%
VIR3	2010-07-04T19:08:47	1224	1	26	12h10m24s	13d11m59s	68 min	88.5%
VIR3	2010-07-04T17:52:52	1222	1	26	12h10m24s	13d11m59s	68 min	0%
VIR3	2010-07-04T16:48:37	1220	1	26	12h10m24s	13d11m59s	68 min	0%
VIR3	2010-07-04T15:45:22	1218	1	26	12h10m24s	13d11m59s	68 min	0%
VIR3	2010-07-04T14:41:17	1216	1	26	12h10m24s	13d11m59s	68 min	0%
VIR3	2010-07-04T13:37:22	1214	1	26	12h10m24s	13d11m59s	68 min	0%
VIR3	2010-07-04T12:33:05	1212	1	26	12h10m24s	13d11m59s	69 min	0%
B38CRIT	2010-07-04T10:54:03	1209	1	39	7h51m26s	7d40m0s	70 min	0%
B35CRIT	2010-07-04T09:34:45	1207	1	39	6h51m26s	7d40m0s	70 min	0%
B32CRIT	2010-07-04T08:19:06	1205	1	39	5h51m26s	7d40m0s	70 min	0%
B23CRIT	2010-07-04T06:59:26	1203	1	39	3h11m26s	7d40m0s	70 min	0%
B21CRIT	2010-07-04T05:41:04	1201	1	39	2h31m26s	7d40m0s	70 min	0%
B20CRIT	2010-07-04T04:14:20	1199	1	39	2h11m26s	7d40m0s	70 min	0%
F71CRIT	2010-07-04T02:31:28	1196	1	39	21h26m26s	27d19m59s	70 min	7.4%
G65CRIT	2010-07-04T01:01:24	1194	1	39	20h39m24s	32d15m0s	70 min	0%
G62CRIT	2010-07-03T23:30:46	1192	1	39	19h28m26s	32d15m0s	70 min	0%
G57CRIT	2010-07-03T21:59:12	1190	1	39	17h30m12s	32d15m0s	70 min	0.6%
G55CRIT	2010-07-03T20:24:53	1187	1	39	16h42m54s	32d15m0s	70 min	0%
VIR3	2010-07-03T19:03:49	1184	1	26	12h10m24s	13d11m59s	68 min	74.3%
VIR3	2010-07-03T17:59:56	1182	1	26	12h10m24s	13d11m59s	68 min	0%
VIR3	2010-07-03T16:57:14	1180	1	26	12h10m24s	13d11m59s	68 min	0%
VIR2	2010-07-03T15:52:08	1178	1	26	12h24m24s	13d0m0s	68 min	0%
B36CRIT	2010-07-03T10:04:58	1174	1	28	7h11m26s	7d40m0s	50 min	0%
B31CRIT	2010-07-03T08:39:24	1172	1	39	5h31m27s	7d40m0s	70 min	0%
B27CRIT	2010-07-03T07:23:05	1170	1	39	4h11m26s	7d40m0s	70 min	0%
VIR2	2010-07-02T15:47:56	1131	1	26	12h24m24s	13d0m0s	68 min	0%
VIR2	2010-07-02T14:43:48	1129	1	26	12h24m24s	13d0m0s	68 min	0%
VIR2	2010-07-02T13:39:15	1127	1	26	12h24m24s	13d0m0s	68 min	0%
VIR2	2010-07-02T12:34:39	1125	1	26	12h24m24s	13d0m0s	68 min	0%
B35CRIT	2010-07-02T10:39:06	1123	1	39	6h51m26s	7d40m0s	70 min	0%
E20CRIT	2010-05-23T08:16:58	5475	1	39	2h31m1s	22d25m0s	70 min	0%
E17CRIT	2010-05-23T06:54:02	5473	1	39	1h26m7s	22d25m0s	70 min	0%
E13CRIT	2010-05-23T05:35:33	5471	1	39	0h0m27s	22d25m0s	70 min	0%
E12CRIT	2010-05-23T04:19:26	5469	1	39	23h38m26s	22d25m0s	70 min	0%
B71CRIT	2010-05-23T02:44:52	5466	1	39	19h11m26s	7d40m0s	69 min	0%
B70CRIT	2010-05-23T01:28:52	5464	1	39	18h51m27s	7d40m0s	70 min	0%
B69CRIT	2010-05-23T00:41:04	5462	16	39	18h31m27s	7d40m0s	43 min	0%
B69CRIT	2010-05-23T00:07:31	5460	1	16	18h31m27s	7d40m0s	30 min	0%
B68CRIT	2010-05-22T22:53:17	5458	1	39	18h11m27s	7d40m0s	70 min	0%
B67CRIT	2010-05-22T21:39:05	5456	1	39	17h51m27s	7d40m0s	70 min	0%
VIRGO	2010-05-22T20:18:44	5453	1	26	12h30m48s	12d23m27s	68 min	0%
VIRGO	2010-05-22T19:15:58	5451	1	26	12h30m48s	12d23m27s	68 min	0%
VIRGO	2010-05-22T18:12:08	5449	1	26	12h30m48s	12d23m27s	68 min	0%
VIRGO	2010-05-22T17:08:24	5447	1	26	12h30m48s	12d23m27s	68 min	0%
VIRGO	2010-05-22T16:10:31	5445	1	24	12h30m48s	12d23m27s	62 min	0%
A39CRIT	2010-05-22T14:31:47	5441	1	39	8h11m26s	2d45m0s	70 min	0%
A31CRIT	2010-05-22T13:12:41	5439	1	38	5h31m27s	2d45m0s	68 min	0%
A29CRIT	2010-05-22T11:56:39	5437	1	38	4h51m26s	2d45m0s	68 min	0%
B22CRIT	2010-05-22T10:38:57	5435	1	38	2h51m26s	7d40m0s	68 min	0%
VIRGO	2010-05-21T20:42:51	5391	1	26	12h30m48s	12d23m27s	68 min	0%
VIRGO	2010-05-21T19:33:47	5389	1	26	12h30m48s	12d23m27s	68 min	0%
VIRGO	2010-05-21T18:27:00	5387	1	26	12h30m48s	12d23m27s	68 min	0%
VIRGO	2010-05-21T17:13:36	5384	1	26	12h30m48s	12d23m27s	68 min	0%
VIRGO	2010-05-21T15:49:20	5381	1	26	12h30m48s	12d23m27s	68 min	0%
3C123	2010-05-21T15:18:48	5377	1	10	4h33m55s	29d34m14s	12 min	100%
IC10	2010-05-14T11:12:19	4901	1	11	0h20m16s	59d18m14s	17 min	100%
E20CRIT	2010-01-28T21:26:19	9804	1	11	2h31m1s	22d25m0s	20 min	100%
E19CRIT	2010-01-28T20:31:59	9802	15	39	2h9m24s	22d25m0s	45 min	100%
E19CRIT	2010-01-28T19:39:03	9800	1	15	2h9m24s	22d25m0s	27 min	100%
E17CRIT	2010-01-28T18:24:31	9798	1	39	1h26m7s	22d25m0s	70 min	90.9%
E44CRIT	2010-01-11T05:18:01	7435	1	24	11h10m12s	22d25m0s	43 min	84.6%
E36CRIT	2010-01-11T02:37:15	7433	1	39	8h17m9s	22d25m0s	70 min	98%

E33CRIT	2010-01-11T01:22:28	7431	1	39	7h12m16s	22d25m0s	70 min	92.3%
E28CRIT	2010-01-10T23:42:23	7424	1	39	5h24m6s	22d25m0s	70 min	97.7%
E25CRIT	2010-01-10T22:27:40	7422	1	39	4h19m11s	22d25m0s	70 min	90.3%
E21CRIT	2010-01-10T21:12:13	7420	1	39	2h52m40s	22d25m0s	70 min	98%
E16CRIT	2010-01-10T19:56:57	7418	1	39	1h4m31s	22d25m0s	70 min	100%
E14CRIT	2010-01-10T18:42:11	7416	1	39	0h21m15s	22d25m0s	70 min	98%
G8CRIT	2010-01-10T17:26:12	7414	1	39	22h11m26s	32d15m0s	70 min	100%
H36CRIT	2010-01-10T04:06:28	7408	1	39	9h54m11s	37d10m0s	70 min	100%
H33CRIT	2010-01-10T02:51:11	7406	1	39	8h38m53s	37d10m0s	70 min	100%
H31CRIT	2010-01-10T01:25:52	7404	1	39	7h48m41s	37d10m0s	70 min	96.6%
H26CRIT	2010-01-09T23:31:03	7397	1	39	5h43m13s	37d10m0s	70 min	100%
E24CRIT	2010-01-09T22:13:18	7395	1	39	3h57m34s	22d25m0s	70 min	92.9%
H20CRIT	2010-01-09T20:56:00	7393	1	39	3h12m37s	37d10m0s	70 min	99.1%
H17CRIT	2010-01-09T19:38:08	7391	1	39	1h57m19s	37d10m0s	70 min	98%
H14CRIT	2010-01-09T18:20:03	7389	1	39	0h42m1s	37d10m0s	70 min	96.6%
H13CRIT	2010-01-08T18:57:14	7376	1	39	0h16m55s	37d10m0s	70 min	100%
G9CRIT	2010-01-08T17:42:11	7374	1	39	22h35m5s	32d15m0s	70 min	100%
G42CRIT	2010-01-08T06:39:09	7366	1	13	11h35m29s	32d15m0s	23 min	100%
G38CRIT	2010-01-08T05:24:13	7364	1	39	10h0m53s	32d15m0s	70 min	100%
H35CRIT	2010-01-08T04:07:41	7362	1	39	9h29m5s	37d10m0s	70 min	100%
G32CRIT	2010-01-08T02:52:00	7360	1	39	7h39m0s	32d15m0s	70 min	100%
G29CRIT	2010-01-08T01:36:57	7358	1	39	6h28m3s	32d15m0s	70 min	100%
H25CRIT	2010-01-08T00:11:08	7354	1	39	5h18m7s	37d10m0s	70 min	100%
H23CRIT	2010-01-07T22:55:29	7352	1	39	4h27m55s	37d10m0s	70 min	100%
H19CRIT	2010-01-07T21:39:10	7350	1	39	2h46m31s	37d10m0s	70 min	100%
G41CRIT	2010-01-07T05:03:57	7339	1	39	11h11m50s	32d15m0s	70 min	87.5%
G36CRIT	2010-01-07T03:27:32	7334	1	39	9h13m35s	32d15m0s	70 min	99.4%
G33CRIT	2010-01-07T02:09:47	7332	1	39	8h2m40s	32d15m0s	70 min	97.7%
G28CRIT	2010-01-07T00:53:15	7330	1	39	6h7m25s	32d15m0s	70 min	100%
H24CRIT	2010-01-06T23:27:43	7326	1	39	4h53m0s	37d10m0s	70 min	100%
H21CRIT	2010-01-06T22:11:27	7324	1	39	3h37m43s	37d10m0s	70 min	100%
H18CRIT	2010-01-06T20:55:06	7322	1	39	2h22m25s	37d10m0s	70 min	100%
H15CRIT	2010-01-06T19:35:10	7320	1	39	1h7m7s	37d10m0s	70 min	100%
G13CRIT	2010-01-06T18:19:13	7318	1	39	0h9m40s	32d15m0s	70 min	98%
H43CRIT	2010-01-06T06:49:01	7310	1	10	12h49m52s	37d10m0s	18 min	96.7%
F41CRIT	2010-01-06T05:32:53	7308	1	39	10h22m9s	27d19m59s	70 min	100%
G37CRIT	2010-01-06T04:17:24	7306	1	39	9h37m14s	32d15m0s	70 min	100%
G35CRIT	2010-01-06T03:01:25	7304	1	39	8h49m57s	32d15m0s	70 min	98%
G31CRIT	2010-01-06T01:44:51	7302	1	39	7h15m22s	32d15m0s	70 min	100%
S8	2010-01-06T00:50:39	7300	1	24	13h48m0s	-15d0m0s	52 min	54.4%
G25CRIT	2010-01-05T23:09:39	7293	1	39	4h53m28s	32d15m0s	70 min	99.1%
H22CRIT	2010-01-05T21:50:56	7291	1	39	4h2m49s	37d10m0s	70 min	93.7%
H16CRIT	2010-01-05T21:33:57	7288	1	2	1h32m13s	37d10m0s	5 min	100%
F16CRIT	2010-01-05T21:16:54	7285	1	2	1h8m32s	27d19m59s	4 min	100%
G13CRIT	2010-01-05T19:29:42	7262	1	4	0h9m40s	32d15m0s	7 min	100%
G11CRIT	2010-01-05T18:13:49	7260	1	39	23h22m23s	32d15m0s	70 min	100%
G10CRIT	2010-01-05T17:14:10	7258	1	30	22h58m43s	32d15m0s	54 min	98.9%
G25CRIT	2010-01-03T00:34:59	6526	1	39	4h53m28s	32d15m0s	70 min	100%
G24CRIT	2010-01-02T23:20:05	6524	1	39	4h29m49s	32d15m0s	70 min	100%
G21CRIT	2010-01-02T22:05:06	6522	1	39	3h18m52s	32d15m0s	70 min	100%
G18CRIT	2010-01-02T20:49:15	6520	1	39	2h7m55s	32d15m0s	70 min	100%
G12CRIT	2010-01-02T19:34:43	6518	1	38	23h46m2s	32d15m0s	68 min	100%
G10CRIT	2010-01-02T18:19:51	6516	1	39	22h58m43s	32d15m0s	70 min	100%
G67CRIT	2010-01-02T16:58:02	6514	1	39	21h26m42s	32d15m0s	70 min	100%
G64CRIT	2010-01-02T15:39:57	6512	1	39	20h15m45s	32d15m0s	70 min	100%
F65CRIT	2010-01-02T14:24:08	6510	1	39	19h13m33s	27d19m59s	70 min	100%
G59CRIT	2010-01-02T14:12:58	6508	1	4	18h17m30s	32d15m0s	7 min	100%
G59CRIT	2010-01-02T13:00:12	6507	1	39	18h17m30s	32d15m0s	70 min	100%
F58CRIT	2010-01-02T11:44:26	6505	1	39	16h38m29s	27d19m59s	70 min	100%
G52CRIT	2010-01-02T10:28:39	6503	1	39	15h31m58s	32d15m0s	70 min	100%
G48CRIT	2010-01-02T09:07:47	6499	1	39	13h57m23s	32d15m0s	70 min	100%
G46CRIT	2010-01-02T07:51:32	6497	1	39	13h10m5s	32d15m0s	70 min	100%
G44CRIT	2010-01-02T06:34:42	6495	1	39	12h22m47s	32d15m0s	70 min	88%
F40CRIT	2010-01-02T05:18:54	6493	1	39	9h59m53s	27d19m59s	70 min	100%
F37CRIT	2010-01-02T04:04:39	6491	1	39	8h53m27s	27d19m59s	70 min	100%
G34CRIT	2010-01-02T02:38:16	6489	1	39	8h26m18s	32d15m0s	70 min	87.5%
G30CRIT	2010-01-02T01:17:44	6486	1	39	6h51m42s	32d15m0s	70 min	97.7%
F39CRIT	2009-12-31T04:19:04	6481	1	39	9h37m43s	27d19m59s	70 min	93.2%
F36CRIT	2009-12-31T03:02:15	6479	1	39	8h31m18s	27d19m59s	70 min	83.5%
F31CRIT	2009-12-31T01:46:05	6477	1	39	6h40m37s	27d19m59s	70 min	100%
G27CRIT	2009-12-31T00:20:58	6473	1	39	5h40m46s	32d15m0s	70 min	99.4%
G22CRIT	2009-12-30T23:04:27	6471	1	39	3h42m31s	32d15m0s	70 min	100%
G19CRIT	2009-12-30T21:49:16	6469	1	39	2h31m34s	32d15m0s	70 min	100%
G16CRIT	2009-12-30T20:33:47	6467	1	39	1h20m37s	32d15m0s	70 min	100%
G14CRIT	2009-12-30T19:18:06	6465	1	39	0h33m22s	32d15m0s	70 min	100%
F54CRIT	2009-12-28T11:32:15	5977	1	39	15h9m53s	27d19m59s	70 min	100%
G49CRIT	2009-12-28T09:43:23	5975	1	39	14h21m1s	32d15m0s	70 min	100%
G46CRIT	2009-12-28T08:24:54	5973	1	39	13h10m5s	32d15m0s	70 min	100%
G43CRIT	2009-12-28T07:08:04	5971	1	39	11h59m7s	32d15m0s	70 min	100%
F43CRIT	2009-12-28T05:52:11	5969	1	39	11h6m17s	27d19m59s	70 min	87.5%
F38CRIT	2009-12-28T04:34:04	5967	1	39	9h15m35s	27d19m59s	70 min	100%
F35CRIT	2009-12-28T03:08:11	5965	1	39	8h9m11s	27d19m59s	70 min	96.6%
G26CRIT	2009-12-28T01:29:08	5961	1	38	5h17m7s	32d15m0s	68 min	100%
G23CRIT	2009-12-28T00:12:34	5959	1	39	4h6m10s	32d15m0s	70 min	100%
G20CRIT	2009-12-27T22:49:19	5957	1	39	2h55m13s	32d15m0s	70 min	100%
G17CRIT	2009-12-27T21:28:17	5955	1	39	1h44m16s	32d15m0s	70 min	100%
G15CRIT	2009-12-27T20:12:42	5953	1	39	0h56m58s	32d15m0s	70 min	100%
F13CRIT	2009-12-27T18:56:29	5951	1	39	0h2m7s	27d19m59s	70 min	93.2%
F9CRIT	2009-12-27T17:40:17	5949	1	39	22h33m35s	27d19m59s	70 min	99.4%
F68CRIT	2009-12-27T16:12:54	5946	1	39	20h19m59s	27d19m59s	68 min	100%

G63CRIT	2009-12-27T14:57:34	5944	1	39	19h52m5s	32d15m0s	70 min	100%
F61CRIT	2009-12-27T13:42:33	5942	1	39	17h44m56s	27d19m59s	70 min	100%
F59CRIT	2009-12-27T12:28:21	5940	1	39	17h0m39s	27d19m59s	70 min	100%
F55CRIT	2009-12-27T10:57:14	5936	1	39	15h32m3s	27d19m59s	70 min	100%
F52CRIT	2009-12-27T09:34:36	5932	1	39	14h25m36s	27d19m59s	70 min	99.4%
F49CRIT	2009-12-27T08:16:31	5930	1	39	13h19m6s	27d19m59s	70 min	94%
F46CRIT	2009-12-27T07:00:12	5928	1	39	12h12m42s	27d19m59s	70 min	84.9%
F42CRIT	2009-12-27T05:43:39	5926	1	39	10h44m9s	27d19m59s	70 min	95.2%
HTHVC	2009-12-27T04:27:34	5924	1	39	8h30m0s	11d30m0s	70 min	100%
F32CRIT	2009-12-27T03:02:48	5922	1	39	7h2m46s	27d19m59s	70 min	100%
F28CRIT	2009-12-27T01:01:43	5918	1	39	5h34m13s	27d19m59s	70 min	100%
F25CRIT	2009-12-26T23:39:32	5916	1	39	4h27m48s	27d19m59s	70 min	99.4%
F22CRIT	2009-12-26T22:24:00	5914	1	39	3h21m22s	27d19m59s	70 min	96.3%
G17CRIT	2009-12-26T21:05:11	5912	1	39	1h44m16s	32d15m0s	70 min	100%
F12CRIT	2009-12-26T19:38:49	5910	1	39	23h40m0s	27d19m59s	70 min	100%
F72CRIT	2009-12-26T18:23:47	5908	1	39	21h48m35s	27d19m59s	70 min	100%
F69CRIT	2009-12-26T17:08:44	5906	1	39	20h42m9s	27d19m59s	70 min	100%
F67CRIT	2009-12-26T15:52:48	5904	1	39	19h57m51s	27d19m59s	70 min	100%
F63CRIT	2009-12-26T14:37:40	5902	1	39	18h29m14s	27d19m59s	70 min	100%
F60CRIT	2009-12-26T13:21:48	5900	1	39	17h22m47s	27d19m59s	70 min	100%
S6	2009-12-26T12:04:37	5898	1	39	0h7m38s	41d25m12s	70 min	100%
F56CRIT	2009-12-26T10:44:01	5895	1	39	15h54m12s	27d19m59s	70 min	84%
F51CRIT	2009-12-26T09:27:19	5892	1	39	14h3m27s	27d19m59s	70 min	100%
F34CRIT	2009-12-26T03:21:01	5857	1	39	7h47m2s	27d19m59s	70 min	100%
S8	2009-12-26T02:07:45	5855	1	24	13h48m0s	-15d0m0s	52 min	100%
F26CRIT	2009-12-26T00:13:57	5851	1	39	4h49m55s	27d19m59s	70 min	100%
F23CRIT	2009-12-25T22:46:04	5849	1	39	3h43m31s	27d19m59s	70 min	94%
F18CRIT	2009-12-25T21:23:37	5847	1	39	1h52m49s	27d19m59s	70 min	100%
F15CRIT	2009-12-25T20:07:30	5845	1	39	0h46m25s	27d19m59s	70 min	100%
F11CRIT	2009-12-25T18:51:31	5843	1	39	23h17m52s	27d19m59s	70 min	100%
F33CRIT	2009-12-24T04:29:32	5839	1	34	7h24m54s	27d19m59s	61 min	100%
F30CRIT	2009-12-24T03:27:28	5837	1	32	6h18m30s	27d19m59s	57 min	100%
F27CRIT	2009-12-24T02:28:57	5835	1	30	5h12m4s	27d19m59s	54 min	100%
F24CRIT	2009-12-24T01:12:31	5831	1	34	4h5m40s	27d19m59s	61 min	100%
F21CRIT	2009-12-24T00:06:49	5829	1	34	2h59m14s	27d19m59s	61 min	100%
F19CRIT	2009-12-23T22:51:38	5827	1	39	2h14m58s	27d19m59s	70 min	100%
F17CRIT	2009-12-23T21:28:21	5824	1	39	1h30m40s	27d19m59s	70 min	100%
F14CRIT	2009-12-23T20:14:08	5822	1	39	0h24m16s	27d19m59s	70 min	100%
F10CRIT	2009-12-23T18:59:24	5820	1	39	22h55m43s	27d19m59s	70 min	100%
F8CRIT	2009-12-23T17:45:21	5818	1	39	22h11m26s	27d19m59s	70 min	100%
F70CRIT	2009-12-23T16:04:00	5813	1	39	21h4m17s	27d19m59s	70 min	83.2%
F66CRIT	2009-12-23T14:48:25	5811	1	39	19h35m42s	27d19m59s	70 min	95.2%
F62CRIT	2009-12-23T13:32:00	5809	1	39	18h7m5s	27d19m59s	70 min	99.4%
F55CRIT	2009-12-23T12:16:51	5807	1	39	15h32m3s	27d19m59s	70 min	100%
F50CRIT	2009-12-23T11:11:36	5802	1	25	13h41m16s	27d19m59s	45 min	100%
F29CRIT	2009-12-23T01:44:35	5758	1	39	5h56m21s	27d19m59s	70 min	100%
F24CRIT	2009-12-22T23:43:35	5746	1	39	4h5m40s	27d19m59s	70 min	100%
F20CRIT	2009-12-22T22:26:46	5744	1	39	2h37m5s	27d19m59s	70 min	100%
F16CRIT	2009-12-22T21:09:35	5742	1	39	1h8m32s	27d19m59s	70 min	100%
C13CRIT	2009-12-22T19:53:31	5740	1	39	23h51m26s	12d34m59s	70 min	99.1%
F8CRIT	2009-12-22T18:33:48	5738	1	39	22h11m26s	27d19m59s	70 min	100%
LOFIELD	2009-11-07T18:02:27	6508	1	24	10h52m0s	57d28m47s	149 min	4.6%
LOFIELD	2009-11-07T15:55:14	6507	1	2	10h52m0s	57d28m47s	149 min	99.1%
PKS1062	2009-09-11T18:22:09	7182	1	9	18h33m40s	-21d3m39s	2 min	0%
SGRB2M	2009-09-11T18:02:07	7179	1	9	17h47m19s	-28d23m4s	2 min	0%
SGRB2M	2009-09-11T16:56:23	7177	1	49	17h47m19s	-28d23m4s	10 min	0%
G1062	2009-09-11T16:16:19	7174	1	25	18h10m29s	-19d55m50s	5 min	0%
W49	2009-09-11T14:26:48	7170	1	64	19h10m12s	9d6m14s	13 min	0%
E15CRIT	2009-09-07T05:07:09	6910	1	39	0h43m27s	22d25m0s	70 min	100%
E11CRIT	2009-09-07T03:53:15	6908	1	39	23h16m26s	22d25m0s	70 min	100%
E9CRIT	2009-09-07T02:38:18	6906	1	39	22h33m26s	22d25m0s	70 min	100%
E8CRIT	2009-09-07T01:21:00	6904	1	39	22h11m26s	22d25m0s	70 min	100%
E5CRIT	2009-09-07T00:00:28	6902	1	39	21h6m26s	22d25m0s	70 min	100%
E4CRIT	2009-09-06T22:30:54	6900	1	39	20h44m26s	22d25m0s	70 min	49.6%
F8GALPOL	2009-09-06T21:02:19	6897	1	39	15h4m54s	42d2m42s	70 min	100%
E8GALPOL	2009-09-06T19:47:48	6895	1	39	14h56m5s	37d7m40s	70 min	100%
D8GALPOL	2009-09-06T18:32:33	6893	1	39	14h48m47s	32d7m40s	70 min	100%
A70CRIT	2009-09-06T16:58:37	6889	1	39	18h51m27s	2d45m0s	65 min	0%
A64CRIT	2009-09-06T15:43:05	6887	1	39	16h51m27s	2d45m0s	70 min	0%
A63CRIT	2009-09-06T14:28:44	6885	1	39	16h31m27s	2d45m0s	70 min	0%
A62CRIT	2009-09-06T13:14:51	6883	1	39	16h11m27s	2d45m0s	70 min	0%
A49CRIT	2009-09-06T11:56:18	6881	1	39	11h51m27s	2d45m0s	70 min	0%
A40CRIT	2009-09-06T10:39:00	6879	1	39	8h31m26s	2d45m0s	70 min	11.7%
A38CRIT	2009-09-06T09:24:01	6877	1	39	7h51m26s	2d45m0s	70 min	0%
D68GALPOL	2009-09-06T08:06:13	6875	1	39	11h17m30s	32d7m40s	70 min	0%
E16CRIT	2009-09-06T06:35:51	6871	1	39	1h4m27s	17d30m0s	70 min	100%
A26CRIT	2009-09-06T05:20:08	6869	1	39	3h51m26s	2d45m0s	70 min	0%
A25CRIT	2009-09-06T04:05:07	6867	1	39	3h31m26s	2d45m0s	68 min	0%
A23CRIT	2009-09-06T02:49:12	6865	1	39	3h11m26s	2d45m0s	68 min	0%
A22CRIT	2009-09-06T01:28:19	6863	1	39	2h51m26s	2d45m0s	70 min	0%
B17CRIT	2009-09-06T00:04:04	6861	1	39	0h0m0s	7d40m0s	70 min	0%
MA17CRIT	2009-09-05T22:46:52	6859	1	39	1h11m27s	-2d40m0s	70 min	0%
MA11CRIT	2009-09-05T21:27:50	6857	1	39	23h11m26s	-2d40m0s	70 min	0%
A9GALPOL	2009-09-05T19:45:48	6854	1	39	14h56m21s	17d7m40s	70 min	100%
A8GALPOL	2009-09-05T18:31:41	6852	1	39	14h35m25s	17d7m40s	70 min	100%
MA7GALPOL	2009-09-05T17:51:08	6850	20	39	14h12m54s	12d13m36s	36 min	100%
A60CRIT	2009-09-05T16:20:55	6840	1	10	15h31m27s	2d45m0s	18 min	0%
E13CRIT	2009-09-05T05:28:57	6737	1	31	0h0m27s	22d25m0s	56 min	100%
E10CRIT	2009-09-05T04:16:15	6735	1	39	22h54m26s	22d25m0s	70 min	100%
E7CRIT	2009-09-05T03:00:12	6733	1	39	21h49m26s	22d25m0s	70 min	100%

E3CRIT	2009-09-05T01:45:47	6731	1	39	20h23m27s	22d25m0s	70 min	100%
E2CRIT	2009-09-05T00:26:48	6729	1	39	20h2m26s	22d25m0s	70 min	100%
E1CRIT	2009-09-04T23:04:43	6727	1	39	19h39m26s	22d25m0s	70 min	100%
E8GALPOL	2009-09-04T21:30:41	6724	1	39	14h56m5s	37d7m40s	70 min	100%
C8GALPOL	2009-09-04T20:19:48	6721	1	36	14h43m6s	27d7m40s	64 min	100%
A8GALPOL	2009-09-04T19:06:59	6719	1	39	14h35m25s	17d7m40s	70 min	100%
MC8GALPOL	2009-09-04T17:52:28	6717	1	39	14h31m54s	2d24m37s	70 min	90%
A61CRIT	2009-09-04T16:18:53	6713	1	39	15h51m27s	2d45m0s	70 min	0%
A60CRIT	2009-09-04T14:59:08	6711	1	39	15h31m27s	2d45m0s	70 min	0%
A59CRIT	2009-09-04T13:45:21	6709	1	39	15h11m27s	2d45m0s	70 min	0%
A58CRIT	2009-09-04T12:31:25	6707	1	39	14h51m27s	2d45m0s	70 min	0%
A41CRIT	2009-09-04T11:12:10	6705	1	39	8h51m27s	2d45m0s	70 min	18.8%
C6GALPOL	2009-09-04T10:22:26	6703	17	39	13h41m50s	27d7m40s	41 min	0%
C6GALPOL	2009-09-04T09:46:58	6701	1	16	13h41m50s	27d7m40s	29 min	0%
F6GALPOL	2009-09-04T08:47:16	6698	20	39	14h11m41s	42d2m42s	36 min	0%
E6CRIT	2009-08-16T23:43:34	4403	1	39	21h27m26s	22d25m0s	70 min	0%
E16CRIT	2009-08-16T22:20:43	4401	1	39	1h4m27s	17d30m0s	70 min	0%
B8GALPOL	2009-08-16T20:54:18	4397	1	39	14h38m43s	22d7m40s	70 min	100%
MA8GALPOL	2009-08-16T19:40:54	4395	1	39	14h33m54s	12d13m36s	70 min	100%
MA7GALPOL	2009-08-16T18:25:57	4393	1	19	14h12m54s	12d13m36s	34 min	79.5%
MB8GALPOL	2009-08-16T17:11:42	4391	1	39	14h34m24s	7d19m36s	70 min	0%
MB7GALPOL	2009-08-16T15:55:35	4389	1	39	14h13m24s	7d19m36s	70 min	0%
A51CRIT	2009-08-16T14:18:29	4385	1	39	12h31m26s	2d45m0s	70 min	0%
A49CRIT	2009-08-16T12:57:48	4383	1	39	11h51m27s	2d45m0s	70 min	0%
A48CRIT	2009-08-16T11:43:10	4381	1	39	11h31m27s	2d45m0s	70 min	0%
A47CRIT	2009-08-16T10:28:49	4379	1	39	10h51m27s	2d45m0s	70 min	0%
A32CRIT	2009-08-16T09:11:36	4377	1	39	5h51m26s	2d45m0s	70 min	2.8%
A31CRIT	2009-08-16T09:01:22	4375	1	3	5h31m27s	2d45m0s	5 min	0%
A31CRIT	2009-08-16T08:02:03	4373	1	30	5h31m27s	2d45m0s	55 min	0%
A21CRIT	2009-08-16T05:59:31	4368	1	39	2h31m26s	2d45m0s	70 min	8.3%
A20CRIT	2009-08-16T04:43:25	4366	1	39	2h11m26s	2d45m0s	70 min	0%
A19CRIT	2009-08-16T03:19:08	4364	1	39	1h51m27s	2d45m0s	70 min	0%
A18CRIT	2009-08-16T02:02:14	4362	1	39	1h31m26s	2d45m0s	70 min	0%
MA17CRIT	2009-08-16T00:49:01	4360	1	39	1h11m27s	-2d40m0s	70 min	0%
MA15CRIT	2009-08-15T23:35:38	4358	1	39	0h31m26s	-2d40m0s	70 min	0%
B16CRIT	2009-08-15T22:21:27	4356	1	39	0h51m27s	7d40m0s	70 min	0%
A69CRIT	2009-08-15T20:51:46	4354	1	39	18h31m27s	2d45m0s	70 min	0%
MB6GALPOL	2009-08-15T19:07:27	4350	1	39	13h52m24s	7d19m36s	70 min	100%
MC7GALPOL	2009-08-15T17:52:08	4348	1	39	14h10m54s	2d24m37s	70 min	21.1%
MC7GALPOL	2009-08-15T17:37:59	4346	1	2	14h10m54s	2d24m37s	4 min	0%
MC6GALPOL	2009-08-15T15:49:48	4344	1	39	13h52m24s	2d24m37s	70 min	0%
MC4GALPOL	2009-08-15T14:16:47	4342	1	39	13h10m28s	2d24m37s	70 min	0%
MC3GALPOL	2009-08-15T12:50:10	4340	1	39	12h51m25s	2d24m37s	70 min	0%
MC2GALPOL	2009-08-15T11:35:27	4338	1	39	12h31m22s	2d24m37s	70 min	0%
MC1GALPOL	2009-08-15T10:21:01	4336	1	39	12h10m54s	2d24m37s	70 min	0%
A0GALPOL	2009-08-15T09:05:39	4334	1	39	11h49m8s	17d7m40s	70 min	0%
F1GALPOL	2009-08-15T07:49:33	4332	1	39	11h58m6s	42d2m42s	70 min	0%
D13CRIT	2009-08-15T06:13:00	4328	1	39	23h51m26s	17d30m0s	70 min	100%
D12CRIT	2009-08-15T04:57:24	4326	1	39	23h31m26s	17d30m0s	70 min	100%
D10CRIT	2009-08-15T03:43:35	4324	1	39	22h51m26s	17d30m0s	70 min	100%
D9CRIT	2009-08-15T02:36:52	4322	5	39	22h31m26s	17d30m0s	63 min	88.6%
D9CRIT	2009-08-15T02:24:04	4320	1	4	22h31m26s	17d30m0s	7 min	0%
D3CRIT	2009-08-15T01:09:19	4318	1	39	20h31m26s	17d30m0s	69 min	100%
D16CRIT	2009-08-14T23:51:36	4316	1	39	0h51m27s	17d30m0s	70 min	0%
D14CRIT	2009-08-14T22:21:02	4314	1	39	0h11m27s	17d30m0s	70 min	0%
E5GALPOL	2009-08-14T20:40:18	4309	1	39	13h41m13s	37d7m40s	70 min	100%
E1GALPOL	2009-08-14T19:27:50	4307	1	39	12h1m38s	37d7m40s	70 min	100%
C3GALPOL	2009-08-14T18:12:58	4305	1	39	12h51m25s	27d7m40s	70 min	100%
MC5GALPOL	2009-08-14T16:58:22	4303	1	39	13h31m57s	2d24m37s	70 min	1.7%
C3GALPOL	2009-08-13T17:51:59	4161	1	8	12h51m25s	27d7m40s	14 min	100%
A5GALPOL	2009-08-13T16:32:04	4159	1	39	13h32m57s	17d7m40s	70 min	7.1%
MB1GALPOL	2009-08-13T14:55:16	4156	1	39	12h10m54s	7d19m36s	70 min	0%
MA14CRIT	2009-08-10T04:58:37	3694	1	39	0h11m27s	-2d40m0s	70 min	60.1%
MA13CRIT	2009-08-10T03:44:57	3692	1	39	23h51m26s	-2d40m0s	70 min	1.1%
MA10CRIT	2009-08-10T02:26:37	3690	1	39	22h51m26s	-2d40m0s	70 min	0%
MA10CRIT	2009-08-10T00:57:23	3688	1	39	22h51m26s	-2d40m0s	70 min	0%
MA8CRIT	2009-08-09T23:42:47	3686	1	39	22h11m26s	-2d40m0s	70 min	0%
E6GALPOL	2009-08-09T22:05:06	3682	1	39	14h6m6s	37d7m40s	70 min	100%
C7GALPOL	2009-08-09T20:51:31	3680	1	39	14h20m38s	27d7m40s	70 min	100%
C6GALPOL	2009-08-09T19:35:33	3678	1	39	13h41m50s	27d7m40s	70 min	100%
B68GALPOL	2009-08-09T18:21:08	3676	1	39	11h25m33s	22d7m40s	70 min	100%
B0GALPOL	2009-08-09T17:07:02	3674	1	39	11h47m9s	22d7m40s	70 min	100%
A50CRIT	2009-08-09T15:51:46	3672	1	39	12h11m27s	2d45m0s	70 min	0.6%
B7GALPOL	2009-08-09T14:00:15	3666	1	39	14h17m8s	22d7m40s	70 min	0%
A38CRIT	2009-08-09T12:40:50	3664	1	39	7h51m26s	2d45m0s	70 min	73.8%
A37CRIT	2009-08-09T11:53:38	3662	16	39	7h31m26s	2d45m0s	43 min	13.4%
A37CRIT	2009-08-09T11:19:30	3661	1	16	7h31m26s	2d45m0s	29 min	0%
A36CRIT	2009-08-09T10:24:33	3659	12	39	7h11m26s	2d45m0s	50 min	0%
A36CRIT	2009-08-09T09:59:13	3658	1	12	7h11m26s	2d45m0s	22 min	0%
A34CRIT	2009-08-09T09:25:39	3656	24	39	6h31m27s	2d45m0s	29 min	0%
A34CRIT	2009-08-09T08:18:39	3653	1	25	6h31m27s	2d45m0s	44 min	0%
A33CRIT	2009-08-09T07:03:41	3651	1	39	6h11m26s	2d45m0s	70 min	0%
MA16CRIT	2009-08-09T05:34:21	3647	1	39	0h51m27s	-2d40m0s	70 min	49.9%
MA12CRIT	2009-08-09T04:19:32	3645	1	39	23h31m26s	-2d40m0s	70 min	56.7%
MA9CRIT	2009-08-09T03:05:14	3643	1	39	22h31m26s	-2d40m0s	70 min	38.2%
MA7CRIT	2009-08-09T01:51:28	3641	1	39	21h51m26s	-2d40m0s	70 min	2.3%
MA5CRIT	2009-08-09T00:37:13	3639	1	39	21h11m26s	-2d40m0s	70 min	0%
MA4CRIT	2009-08-08T23:23:14	3637	1	39	20h51m26s	-2d40m0s	70 min	0%
LOCLUMP	2009-08-08T21:50:56	3635	1	39	19h11m6s	5d46m59s	70 min	0%
C6GALPOL	2009-08-08T19:57:26	3622	1	39	13h41m50s	27d7m40s	70 min	100%

B6GALPOL	2009-08-08T11:52:01	3599	1	39	13h55m42s	22d7m40s	70 min	0%
C0GALPOL	2009-08-08T10:33:20	3597	1	39	11h44m31s	27d7m40s	70 min	0%
D0GALPOL	2009-08-08T09:19:04	3595	1	39	11h41m7s	32d7m40s	70 min	0%
A35CRIT	2009-08-08T07:42:44	3593	1	39	6h51m26s	2d45m0s	70 min	0%
C16CRIT	2009-08-08T06:19:16	3591	1	39	0h51m27s	12d34m59s	70 min	100%
J0351	2009-08-08T05:19:40	3587	1	18	3h51m28s	-14d29m8s	47 min	0%
J0352	2009-08-08T04:34:49	3585	1	18	3h52m31s	-7d11m2s	47 min	0%
J0204	2009-08-08T03:49:43	3583	1	18	2h4m58s	-17d1m18s	47 min	0%
J0256	2009-08-08T03:04:23	3581	1	18	2h56m7s	1d10m37s	47 min	0%
MA6CRIT	2009-08-08T01:47:28	3579	1	39	21h31m26s	-2d40m0s	70 min	12.3%
MA3CRIT	2009-08-08T00:32:20	3577	1	39	20h31m26s	-2d40m0s	70 min	1.1%
MA2CRIT	2009-08-07T23:18:51	3575	1	39	20h11m26s	-2d40m0s	70 min	0%
MA1CRIT	2009-08-07T22:05:33	3573	1	39	19h51m26s	-2d40m0s	70 min	0%
D7CRIT	2009-08-03T19:36:07	3143	1	39	21h51m26s	17d30m0s	70 min	0%
J0204	2009-07-31T04:47:33	2037	1	18	2h4m58s	-17d1m18s	47 min	0%
D6CRIT	2009-07-31T03:28:58	2035	1	39	21h31m26s	17d30m0s	70 min	100%
A16CRIT	2009-07-31T02:11:38	2033	1	39	0h51m27s	2d45m0s	70 min	0%
B15CRIT	2009-07-31T01:37:29	2031	23	39	0h31m26s	7d40m0s	31 min	0%
C9CRIT	2009-07-31T01:05:21	2029	26	39	22h31m26s	12d34m59s	25 min	0%
D11CRIT	2009-07-31T00:15:20	2027	15	39	23h11m26s	17d30m0s	45 min	0%
D8CRIT	2009-07-30T23:26:34	2025	16	39	22h11m26s	17d30m0s	43 min	0%
D5CRIT	2009-07-30T22:03:43	2023	1	39	21h11m26s	17d30m0s	70 min	0%
C3GALPOL	2009-07-30T19:35:28	2021	1	1	12h51m25s	27d7m40s	133 min	100%
D8CRIT	2009-07-27T04:18:06	1708	1	16	22h11m26s	17d30m0s	29 min	100%
D4CRIT	2009-07-27T03:03:06	1706	1	39	20h51m26s	17d30m0s	70 min	100%
D2CRIT	2009-07-27T01:48:21	1704	1	39	20h11m26s	17d30m0s	70 min	99.1%
D1CRIT	2009-07-27T00:31:49	1702	1	39	19h51m26s	17d30m0s	69 min	41%
D15CRIT	2009-07-26T23:09:08	1700	1	39	0h31m26s	17d30m0s	70 min	0%
E7GALPOL	2009-07-26T21:42:30	1696	1	39	14h31m0s	37d7m40s	70 min	100%
D7GALPOL	2009-07-26T20:26:53	1694	1	39	14h25m10s	32d7m40s	70 min	100%
C2GALPOL	2009-07-26T18:04:37	1692	1	76	12h29m7s	27d7m40s	137 min	100%
A68GALPOL	2009-07-26T16:49:35	1690	1	39	11h28m22s	17d7m40s	70 min	86.6%
J1422	2009-07-26T15:46:29	1688	1	18	14h22m53s	0d1m19s	47 min	0%
MA5GALPOL	2009-07-26T14:47:34	1686	16	39	13h31m57s	12d13m36s	43 min	0%
J1203	2009-07-26T14:01:57	1684	1	18	12h3m42s	10d28m31s	47 min	0%
D11CRIT	2009-07-24T05:23:43	1525	1	15	23h11m26s	17d30m0s	27 min	100%
C15CRIT	2009-07-24T04:04:33	1523	1	39	0h31m26s	12d34m59s	70 min	0%
C14CRIT	2009-07-24T02:48:03	1521	1	39	0h11m27s	12d34m59s	70 min	0%
A15CRIT	2009-07-24T01:34:05	1519	1	39	0h31m26s	2d45m0s	70 min	0%
A14CRIT	2009-07-24T00:20:45	1517	1	39	0h11m27s	2d45m0s	70 min	0%
D6GALPOL	2009-07-23T22:52:46	1514	1	39	14h1m44s	32d7m40s	70 min	100%
A7GALPOL	2009-07-23T21:38:38	1512	1	39	14h14m29s	17d7m40s	70 min	100%
A6GALPOL	2009-07-23T20:23:39	1510	1	39	13h53m43s	17d7m40s	70 min	100%
MA5GALPOL	2009-07-23T18:44:34	1507	1	15	13h31m57s	12d13m36s	25 min	0%
M81BGROUP	2009-07-23T15:57:51	1505	1	46	9h55m32s	69d3m55s	175 min	100%
C9CRIT	2009-07-23T05:09:13	1484	1	26	22h31m26s	12d34m59s	47 min	100%
C8CRIT	2009-07-23T03:53:20	1481	1	39	22h11m26s	12d34m59s	70 min	82.6%
B14CRIT	2009-07-23T02:36:14	1479	1	39	0h11m27s	7d40m0s	68 min	0%
B13CRIT	2009-07-23T01:15:08	1475	1	39	23h51m26s	7d40m0s	70 min	0%
B12CRIT	2009-07-23T00:00:39	1473	1	39	23h31m26s	7d40m0s	70 min	0%
F3GALPOL	2009-07-22T22:37:27	1470	4	39	12h51m25s	42d2m42s	65 min	100%
F3GALPOL	2009-07-22T22:02:48	1468	1	3	12h51m25s	42d2m42s	5 min	100%
F1GALPOL	2009-07-22T20:48:51	1466	1	39	12h58m6s	42d2m42s	70 min	100%
MA6GALPOL	2009-07-22T19:31:14	1464	1	39	13h52m24s	12d13m36s	70 min	75.5%
M81BGROUP	2009-07-22T05:14:05	1426	1	9	9h55m32s	69d3m55s	34 min	0%
C12CRIT	2009-07-22T04:13:41	1424	15	15	23h31m26s	12d34m59s	45 min	0%
C12CRIT	2009-07-22T02:37:14	1422	1	5	23h31m26s	12d34m59s	27 min	0%
C10CRIT	2009-07-22T01:17:27	1420	1	39	22h51m26s	12d34m59s	70 min	0%
C7CRIT	2009-07-22T00:33:47	1417	29	39	21h51m26s	12d34m59s	20 min	0%
C7CRIT	2009-07-21T22:19:16	1415	1	29	21h51m26s	12d34m59s	52 min	0%
C6CRIT	2009-07-21T21:58:39	1413	34	39	21h31m26s	12d34m59s	11 min	0%
F2GALPOL	2009-07-21T20:38:28	1411	1	39	12h25m8s	42d2m42s	70 min	100%
F2GALPOL	2009-07-21T20:29:39	1410	70	70	12h25m8s	42d2m42s	2 min	100%
MA4GALPOL	2009-07-21T19:14:45	1408	1	39	13h15m28s	12d13m36s	70 min	92.9%
MA3GALPOL	2009-07-21T17:56:35	1406	1	39	12h51m25s	12d13m36s	70 min	31.1%
MB4GALPOL	2009-07-21T17:16:30	1404	21	39	13h15m28s	7d19m36s	34 min	0%
C5CRIT	2009-07-21T04:43:33	1371	1	39	21h11m26s	12d34m59s	70 min	100%
C4CRIT	2009-07-21T03:30:21	1369	1	39	20h51m26s	12d34m59s	70 min	100%
C3CRIT	2009-07-21T02:16:55	1367	1	39	20h31m26s	12d34m59s	70 min	77.2%
C11CRIT	2009-07-21T00:59:40	1365	1	39	23h11m26s	12d34m59s	70 min	0%
F7GALPOL	2009-07-20T22:29:15	1362	1	39	14h38m4s	42d2m42s	70 min	100%
C5GALPOL	2009-07-20T20:08:58	1360	1	76	13h36m2s	27d7m40s	137 min	100%
C2GALPOL	2009-07-20T19:53:39	1358	71	76	12h29m7s	27d7m40s	11 min	100%
MA2GALPOL	2009-07-20T18:38:53	1356	1	39	12h31m22s	12d13m36s	70 min	96%
MA1GALPOL	2009-07-20T17:23:47	1354	1	39	12h10m54s	12d13m36s	70 min	34.5%
C6CRIT	2009-07-20T05:01:51	1289	1	34	21h31m26s	12d34m59s	61 min	100%
C2CRIT	2009-07-20T03:46:05	1287	1	39	20h11m26s	12d34m59s	70 min	100%
C1CRIT	2009-07-20T02:33:27	1285	1	39	19h51m26s	12d34m59s	70 min	100%
B10CRIT	2009-07-20T01:16:34	1283	1	39	22h51m26s	7d40m0s	70 min	0%
B9CRIT	2009-07-20T00:03:38	1281	1	39	22h31m26s	7d40m0s	70 min	0%
F6GALPOL	2009-07-19T22:35:24	1278	1	27	14h11m41s	42d2m42s	49 min	100%
C2GALPOL	2009-07-19T20:25:51	1275	1	71	12h29m7s	27d7m40s	129 min	100%
C1GALPOL	2009-07-19T18:08:26	1273	1	76	12h6m49s	27d7m40s	137 min	100%
MB2GALPOL	2009-07-19T16:57:40	1271	6	39	12h31m22s	7d19m36s	61 min	0%
MB2GALPOL	2009-07-19T16:42:41	1270	1	6	12h31m22s	7d19m36s	11 min	0%
MB1GALPOL	2009-07-19T15:25:51	1268	1	39	12h10m54s	7d19m36s	70 min	0%
MB4GALPOL	2009-07-18T20:15:17	1171	1	21	13h15m28s	7d19m36s	38 min	100%
MB3GALPOL	2009-07-18T19:01:01	1169	1	39	12h51m25s	7d19m36s	70 min	79.5%
MB2GALPOL	2009-07-18T17:46:40	1167	1	39	12h31m22s	7d19m36s	70 min	14%
MB1GALPOL	2009-07-18T16:29:39	1165	1	39	12h10m54s	7d19m36s	70 min	0%

MB0GALPOL	2009-07-18T15:13:09	1163	1	39	11h50m27s	7d19m36s	70 min	0%
C4GALPOL	2009-07-18T12:49:15	1161	1	76	13h13m44s	27d7m40s	137 min	0%
C1GALPOL	2009-07-18T11:43:56	1159	16	50	12h6m49s	27d7m40s	62 min	0%
C1GALPOL	2009-07-18T10:25:19	1148	1	16	12h6m49s	27d7m40s	28 min	0%
F0GALPOL	2009-07-18T09:11:49	1146	1	39	11h31m11s	42d2m42s	70 min	0%
B15CRIT	2009-07-18T08:05:51	1142	1	23	0h31m26s	7d40m0s	41 min	100%
B11CRIT	2009-07-18T06:53:35	1140	1	39	23h11m26s	7d40m0s	70 min	100%
B8CRIT	2009-07-18T05:40:22	1138	1	39	22h11m26s	7d40m0s	70 min	100%
B7CRIT	2009-07-18T04:26:11	1136	1	39	21h51m26s	7d40m0s	70 min	99.4%
B6CRIT	2009-07-18T03:10:38	1134	1	39	21h31m26s	7d40m0s	70 min	41.9%
B5CRIT	2009-07-18T01:56:02	1132	1	39	21h11m26s	7d40m0s	70 min	0%
B4CRIT	2009-07-18T00:37:36	1130	1	39	20h51m26s	7d40m0s	70 min	0%
F5GALPOL	2009-07-17T23:02:17	1126	1	39	13h44m46s	42d2m42s	70 min	100%
B5GALPOL	2009-07-17T20:43:11	1124	1	76	13h34m17s	22d7m40s	137 min	100%
B4GALPOL	2009-07-17T18:17:36	1122	1	76	13h12m51s	22d7m40s	137 min	69.6%
MA0GALPOL	2009-07-17T16:59:28	1120	1	39	11h50m27s	12d13m36s	70 min	19.1%
MB6GALPOL	2009-07-17T15:30:41	1117	1	39	13h52m24s	7d19m36s	70 min	0%
MB5GALPOL	2009-07-17T14:15:34	1115	1	39	13h31m57s	7d19m36s	70 min	0%
F4GALPOL	2009-07-17T12:54:18	1112	1	39	13h17m48s	42d2m42s	70 min	0%
E0GALPOL	2009-07-17T11:51:46	1110	8	39	11h41m38s	37d7m40s	58 min	0%
E0GALPOL	2009-07-17T11:09:36	1108	1	5	11h41m38s	37d7m40s	9 min	0%
A12CRIT	2009-07-17T04:00:59	1088	15	76	23h31m26s	2d45m0s	112 min	0.4%
B3CRIT	2009-07-17T02:44:49	1086	1	39	20h31m26s	7d40m0s	70 min	77.8%
B2CRIT	2009-07-17T01:28:58	1084	1	39	20h11m26s	7d40m0s	70 min	11.1%
B1CRIT	2009-07-17T00:12:08	1082	1	39	19h51m26s	7d40m0s	70 min	0%
E4GALPOL	2009-07-16T21:45:57	1080	1	76	13h16m19s	37d7m40s	137 min	100%
B2GALPOL	2009-07-16T19:26:18	1078	1	76	12h30m0s	22d7m40s	137 min	100%
AM9CRIT	2009-07-16T17:50:44	1076	1	39	16h31m27s	2d45m0s	70 min	0%
S7	2009-07-16T16:47:30	1072	1	24	8h48m0s	-1d0m0s	29 min	9%
A11CRIT	2009-07-16T04:56:14	1064	66	76	23h11m26s	2d45m0s	20 min	0%
A12CRIT	2009-07-14T04:56:27	1009	1	15	23h31m26s	2d45m0s	27 min	0%
A11CRIT	2009-07-14T04:32:20	1007	66	76	23h11m26s	2d45m0s	20 min	0%
A10CRIT	2009-07-14T02:09:08	1005	1	1	22h51m26s	2d45m0s	137 min	0%
A8CRIT	2009-07-13T23:46:15	1003	1	76	22h11m26s	2d45m0s	137 min	0%
A5CRIT	2009-07-13T22:09:07	1001	25	76	21h11m26s	2d45m0s	94 min	0%
B3GALPOL	2009-07-13T19:44:31	999	1	76	12h51m25s	22d7m40s	137 min	100%
B1GALPOL	2009-07-13T18:20:17	997	33	76	12h8m34s	22d7m40s	79 min	98.7%
B1GALPOL	2009-07-13T17:30:30	995	17	33	12h8m34s	22d7m40s	31 min	7.8%
B1GALPOL	2009-07-13T16:43:18	993	1	15	12h8m34s	22d7m40s	27 min	0%
S7	2009-07-13T05:43:36	984	1	24	8h48m0s	-1d0m0s	29 min	10.4%
A11CRIT	2009-07-13T03:35:32	982	1	66	23h11m26s	2d45m0s	119 min	0%
A7CRIT	2009-07-13T01:03:29	980	1	76	21h51m26s	2d45m0s	137 min	0%
A6CRIT	2009-07-12T22:42:21	978	1	76	21h31m26s	2d45m0s	137 min	0%
S7	2009-07-12T22:01:22	976	1	24	8h48m0s	-1d0m0s	29 min	0%
D4GALPOL	2009-07-12T19:15:33	973	1	76	13h14m52s	32d7m40s	137 min	100%
D3GALPOL	2009-07-12T16:14:38	971	1	76	12h51m25s	32d7m40s	137 min	24.1%
D2GALPOL	2009-07-12T13:35:29	969	1	76	12h27m59s	32d7m40s	137 min	0%
D1GALPOL	2009-07-12T11:03:45	967	1	76	12h4m33s	32d7m40s	137 min	0%
C2CIRC	2009-07-12T07:59:32	963	1	76	20h26m55s	72d7m40s	137 min	89.5%
C1CIRC	2009-07-12T05:08:23	961	1	76	19h21m51s	72d7m40s	137 min	100%
A5CRIT	2009-07-12T04:08:53	958	1	25	21h11m26s	2d45m0s	45 min	87.6%
A3CRIT	2009-07-12T01:48:15	956	1	76	20h31m26s	2d45m0s	135 min	29.5%
S7	2009-07-12T01:09:16	954	1	24	8h48m0s	-1d0m0s	29 min	0%
D5GALPOL	2009-07-11T22:38:53	951	1	76	13h38m18s	32d7m40s	137 min	100%
E5GALPOL	2009-07-11T22:17:09	949	67	76	13h41m13s	37d7m40s	18 min	100%
E3GALPOL	2009-07-11T19:55:35	947	1	76	12h51m25s	37d7m40s	137 min	100%
E2GALPOL	2009-07-11T18:14:20	945	27	76	12h26m32s	37d7m40s	90 min	100%
E2GALPOL	2009-07-11T17:04:51	943	1	28	12h26m32s	37d7m40s	50 min	19.9%
S7	2009-07-11T16:19:15	940	1	24	8h48m0s	-1d0m0s	29 min	100%
F1CIRC	2009-07-11T07:50:54	920	1	69	12h51m25s	87d7m40s	124 min	0%
A13CRIT	2009-07-11T05:23:07	917	1	76	23h51m26s	2d45m0s	137 min	36.3%
A9CRIT	2009-07-11T03:00:54	915	1	76	22h31m26s	2d45m0s	137 min	0.4%
A1CRIT	2009-07-11T01:41:32	913	36	76	19h51m26s	2d45m0s	73 min	11.7%
S7	2009-07-11T01:03:53	911	1	24	8h48m0s	-1d0m0s	29 min	0%
E5GALPOL	2009-07-10T22:58:43	909	1	67	13h41m13s	37d7m40s	121 min	100%
A4GALPOL	2009-07-10T20:39:58	907	1	76	13h12m11s	17d7m40s	137 min	100%
A3GALPOL	2009-07-10T18:59:51	905	24	76	12h51m25s	17d7m40s	95 min	78.4%
S7	2009-07-10T18:24:07	903	1	24	8h48m0s	-1d0m0s	29 min	0%
S7	2009-07-10T17:53:16	901	1	24	8h48m0s	-1d0m0s	29 min	0%
S7	2009-07-06T06:14:25	817	1	5	8h48m0s	-1d0m0s	6 min	0%
S7	2009-07-06T05:31:18	814	1	18	8h48m0s	-1d0m0s	22 min	0%
A4CRIT	2009-07-06T02:58:14	812	1	76	20h51m26s	2d45m0s	136 min	46%
A2CRIT	2009-07-06T00:36:01	810	1	76	20h11m26s	2d45m0s	137 min	0%
A2CIRC	2009-07-06T00:15:37	808	74	74	20h57m47s	61d7m40s	5 min	0%
A2CIRC	2009-07-05T22:57:29	807	41	41	20h57m47s	61d7m40s	59 min	0%
A1CRIT	2009-07-05T01:12:59	595	1	35	19h51m26s	2d45m0s	63 min	0%
S7	2009-07-05T00:34:27	593	1	24	8h48m0s	-1d0m0s	29 min	0%
A2CIRC	2009-07-04T06:24:47	457	1	41	20h57m47s	61d7m40s	74 min	100%
A1CIRC	2009-07-04T03:37:44	455	7	7	19h58m50s	61d7m40s	126 min	100%
A1CIRC	2009-07-04T03:18:23	454	1	7	19h58m50s	61d7m40s	13 min	100%
MGALFA1	2009-07-04T00:48:16	452	1	1	23h53m59s	20d10m0s	137 min	0%
ELAISN2	2009-07-03T23:50:37	450	1	24	16h36m58s	41d15m42s	52 min	100%
S7	2009-07-03T23:14:21	448	1	24	8h48m0s	-1d0m0s	29 min	0%
A3GALPOL	2009-07-03T22:24:17	446	1	24	12h51m25s	17d7m40s	43 min	100%
A2GALPOL	2009-07-03T20:04:30	444	1	76	12h30m39s	17d7m40s	137 min	100%
A1GALPOL	2009-07-03T18:45:50	442	36	36	12h9m53s	17d7m40s	74 min	74.5%
A1GALPOL	2009-07-03T16:47:21	438	19	19	12h9m53s	17d7m40s	36 min	0%
A1GALPOL	2009-07-03T16:00:16	435	1	19	12h9m53s	17d7m40s	34 min	0%
S7	2009-07-03T15:20:43	433	1	24	8h48m0s	-1d0m0s	29 min	100%
MGALFA1	2009-06-30T01:59:36	9934	1	1	23h53m59s	20d10m0s	384 min	11.2%

M81BGROUP	2009-06-29T20:53:31	9932	1	46	9h55m32s	69d3m55s	340 min	89.5%
ELAISN3	2009-06-29T19:49:46	9929	1	24	14h29m6s	33d6m0s	53 min	0%
N4490	2009-06-29T18:26:46	9922	1	24	12h30m36s	41d38m22s	29 min	95.1%
S7	2009-06-29T15:47:49	9896	1	24	8h48m0s	-1d0m0s	29 min	100%