

# Post-Correlation Steps

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This guide summarizes the steps to be performed on the data of an experiment after correlation (from when you receive the Yellow Folder until you distribute the data to the PI).

Bullet points:

- Check the quality of the data and convert them into an appropriate format.
- Run the EVN pipeline.
- Archive the data and contact the PI.

**Note:** Additionally to this guide, you **should always print the Checklist** ([available in the Wiki](#)) to do not miss any step. And leave it inside the Yellow Folder once you are done with it.

## General information

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### Computers used along the procedure

- *ccsbeta*: where the correlator control files are located.
- *eee2* (10.88.0.7): where all the information and results for the experiment are saved. This computer replaces the old *eee*, which still contains information for relatively old experiments.
- *jop83*: where the EVN pipeline and archive live.
- *vlbeer*: the ftp server where all stations put their local files (*log*, *antab*, *uvflg*,...) containing the information for each experiment.

The Wiki contains this document and other information:

[http://www.jive.eu/jivewiki/doku.php?id=evn:supportscientists#problem\\_list\\_per\\_session](http://www.jive.eu/jivewiki/doku.php?id=evn:supportscientists#problem_list_per_session)

A summary of tools mentioned in this guide exists here:

<http://www.jive.eu/jivewiki/doku.php?id=supportsci:tools>

### Definitions in this document

- Anything between {} means text or a word that needs to be replaced according to your experiment.
- *exp* indicates the experiment name in lowercase (e.g. eg054g).
- *EXP* indicates the experiment name in uppercase (e.g. EG054G).

## V\*x files

These files (.vex/.vax/.vix/.vexfile) are *almost* the same file. They are all vex format. They contain the full information for an experiment. Initially created from SCHED, they are used by the stations during the observations, and by the correlator to produce the interferometric data. The differences between the slightly different extensions are:

- **vex**: Is the file created by SCHED (i.e. the one updated to *vlbeer* to be loaded by the stations).
- **vax**: Same file, but now the clock section has been added, and also the specific epoch. It is meant for rapid correlation control (e.g. for FTPs in NMEs).
- **vexfile**: Is the output of log2vex (it can contain some minor changes with respect to the *vax* file).
- **vix**: is the version that went through the correlator for production correlation (e.g. can have the clock section updated with respect to the previous one, and changes requested by PIs such as new source coordinates).

## Get the data and inspect

The data, as recorded from the correlator, need to be converted to a standard, format (Measurement Set, or MS). This process uses a *lis file* (for normal experiments `{exp}.lis`) to automate and document this task. The data will then be inspected with *jplotter* and standard plots produced and archived to help inform PIs as the success of the observation. Standard issue will be addressed. Finally, we will convert the data to *IDIFITS* files (readable by AIPS), which will be archived and pipelined.

## ccsbeta

Log in to *ccsbeta* to get the initial files

```
ssh -Y jops@ccsbeta
cd /ccs/expr/{EXP}/
```

**NOTE:** There is typically only one .vix file per project. In the case of e-EVN experiments, multiple experiments may have been observed within a single run, and thus under the same vix file. This will have the name of the very first experiment conducted in the session.

Create the *lis* file **by using one of the two following ways:**

```
showlog_new {EXP}
```

Which is the new version of `showlog` (which will be decommissioned soon).

In the window, check the runs which are "PRODUCTION" (there probably will be "CLOCK SEARCH" runs too). If there are "UNKNOWN" status (only in e-EVN), we can mark them as "GOOD" going to 'Inspect Data' with the bottom-right options. Then, switch to 'ExportFile', see that all the scans we want have a "+" symbol and then click again in 'ExportFile' and save the lis file in the `{EXP}` directory. **Note:** in case

of multi phase center or pulsar binning experiments, the *save* button will show a tentative name for the output lis files as `expname*{key}.lis`. Do not change the `{key}` part, as that will be automatically changed to include the name of each phase center, or pulsar bin, producing as many lis files as centers (or bins) have been correlated.

The other method does not use a graphical interface, and directly writes a *lis* file by executing:

```
make_lis -e {exp} -p {profile} -s {exp}.lis
```

Where `-s` defines the name of the output file, and `-p` allows you to specify the jobs to be selected in the lis file by profile (e.g. only the production ones. *prod*, or in case of spectral line experiments it could be *prod\_cont* or *prod\_line*). This option is optional and if not specified, it will take all production jobs, only ignoring the clock search ones. **In case of multi phase center experiments**, you may add `-m SRC` with the phase center source name that will contain all calibrators' data. By default these data will be included in all phase centers.

Quickly check all scans that are present in the lis file by executing:

```
checklis {exp}.lis
```

This will tell you if there are problems with the files to process, like duplicated or missing scans.

## eee

Log in to *eee2* (10.88.0.7) and get the data (or to the old *eee*):

```
ssh -Y jops@eee2  
cd /data0/{your_username}/{EXP} # create the directory if does not exist
```

**(Recommended):** Copy the *processing.log* file from an older experiment. This file contains the steps to be performed so you do not miss any of them, and you can record all the issues spotted in the experiment.

Copy the PI letter and the experiment SUM file from Bob's computer (use any other computer if it is not reachable):

```
scp jops@jop83:piletters/{exp}.piletter .  
scp jops@jop83:piletters/{exp}.expsum .
```

The PI letter contains all information that will be sent to the PI by email and needs to be modified to provide a good feedback about the experiment.

The *expsum* file contains the information about the PI, the correlation setup, and the source information (which sources were observed, which ones are calibrators or targets, and which ones must remain protected).

Copy the *vix* and *lis* files from *ccsbeta*:

```
scp jops@ccsbeta:/ccs/expr/{EXP}/{exp}.vix {exp}.vix
scp jops@ccsbeta:/ccs/expr/{EXP}/{exp}.lis {exp}.lis # Or all *.lis files
ln -s {exp}.vix {EXP}.vix
```

**Open the *lis* file and modify any incorrect entries.** Check the first line to be sure that *j2ms2* will read the correct *vix* file and will save all the data into the correct place (typically *{exp}.ms*). This may need to be changed for spectral line, multi phase center, or pulsar binning experiments, among others. These types of experiments may require multiple *lis* files, which will create different *measurement sets* (e.g. one for a continuum pass and another one for the spectral line pass). You might also change the reference station, which is used to define the frequency setup in the experiment.

Once the *lis* file is ready, get the actual data for this experiment (the correlator output for the jobs specified in the *lis* file):

```
getdata.pl -proj {EXP} -lis {exp}.lis
```

Convert the data into a MS file:

```
j2ms2 -v {exp}.lis
```

**NOTE:** A dev version of *j2ms2* exists but should only be used if a new feature is required and only with great care. Several problems resulting in bad data being released have been introduced by dev versions of *j2ms2* recently.

```
/home/verkout/src/jive-casa/code/jive/bin/x86_64-64/j2ms2 -v {exp}.lis
```

You can also call *j2ms2* and pass the *.cor* files that need to be read as a parameter, instead of the *lis* file. For example, by running (**legacy, NOT RECOMMENDED**):

```
sfxc2ms.pl -f {exp}.lis
./{exp}_sfxc2ms.sh
```

In this case, check that the output file is the correct one, and add the reference station options.

## In case of multi-phase center or pulsar binning experiments

Different measurement sets (MS) must be created for the different phase centers (applicable to pulsar bin data too, or spectral line experiments with more than one pass). The new version of *j2ms2* manages the different sources or freq. configuration and the output MS will only include the correct metadata.

## Inspect the data (Jplotter)

Use jplotter (or jiveplotter) to make standard plots:

```
standardplots -weight -scan {scan_no} {exp}.ms {refant} {calsrc}
```

Where `scan_no` *optionally* specifies a reference scan to produce the auto and cross correlation plots instead of picking them automatically, `refant` is the reference antenna to be used in the plots, and `calsrc` is the name of the calibrator source to be picked in the scan selection. Run with `-h` for help.

**In case *standardplots* does not produce the desired output run everything manually** (required at the moment):

```
> jplotter

ms {exp}.ms
r
# Shows the frequency setup, stations, sources, and times

# Plot of the weights vs time
bl auto;fq */p;sort bl sb;pt wt;ckey sb;ptsz 4;pl
save {exp}-weight.ps

# Plot amp and phase vs time
bl Ef* -auto;fq 5/p;ch 0.1*last:0.9*last;avc vector;nxy 1 4;pt anptime;ckey src;y
local;ptsz 2;time none;pl
or:
bl Ef* -auto;fq 4/p;ch 0.1*last:0.9*last;avc vector;nxy 1 4;pt anptime;ckey p['RR']=2
p['LL']=3;y local; ptsz 2;sort bl;

save {exp}-ampphase-1.ps

# For example another plot but only showing 1 h of data
time 2017/06/21/05:00:00 to +1h
or
time $start to +2h

save {exp}-ampphase-2.ps

# auto-corr plots
indexr
listr
# shows you all the scans. Pick one containing a strong source
```

```

scan 1;pt ampchan;bl auto;fq */p;ch none;avt vector;avc none;ckey p['RR']=2
p['LL']=3;sort bl sb;new sb false;multi true;y 0 1.6;nxy 1 4;p1

save {exp}-auto-1.ps

# Pick other scan and save it as -2.ps
scan 99;p1
save {exp}-auto-2.ps

# cross-corr plots
scan 1;bl Ys* -auto;pt ampchan;fq *;ckey p['RR']=2 p['LL']=3 p['RL']=4 p['LR']=5;y
local;draw lines points;ptsz 2;multi true;new sb false;sort bl;nxy 2 3; filter phase:
p in [LL,RR];p1
save {exp}-cross-1.ps

# Pick other scan and save it as -2.ps
scan 99;p1
save {exp}-cross-2.ps

exit

```

## Fixing the MS files

In case Yebes (or Hobart from the LBA) is in the array, run this script to fix its mount type:

```
ysfocus.py {exp}.ms
```

Flag weights below the specified threshold (typically 0.9, but check the weight plot from before):

```
flag_weights.py {exp}.ms {threshold}
```

Take note of how much data have been flagged, and add this information to the PI letter when required.

In those cases where a station has swapped polarizations, it needs to be fixed by using:

```
polswap.py {exp}.ms {antenna}
```

Optionally you can provide a time range for which the swap must be applied, by using the optional parameters `-t1 STARTTIME` and/or `-t2 ENDTIME`.

In those cases where a station recorded 1-bit data instead of the usual 2-bits (at the moment it should only happen in RadioAstron observations), then the data must be scaled to the usual 2 bits to correct for quantization losses. In that case use:

```
scale1bit.py {exp}.ms {antenna}
```

Optionally you can also scale the weights with the parameter `-w`.

## Update the PI letter

Open the PI letter (*{exp}.piletter*) and put all relevant information on it:

- You need to change two parts of the text, the acknowledge section removing the trailing letter of the experiment name if it exists (there is a comment in the file reminding you about it).
- Write down the weight threshold that has been used.
- Add how much data have been flagged in `flag_weights.py`.
- Per station, quote the issues that may have appear during observation, correlation or during the previous steps of post-processing.
- Note that after pipelining the experiment you may update this file if new issues have raised from the data.

## Creating IDI files and archive the experiment

Convert the data to IDI files and archive them

```
tConvert {exp}.ms {exp}_1_1.IDI
```

The numbers in the IDI file are as `{exp}_{corr}_{pass}.IDI` where:

- *corr* (1..*n*) refers to different correlations, e.g. continuum and spectral line, or different phase centers, pulsar bins.
- *pass* (1..*n*, typically only 1) refers to the number of correlation passes, appropriate for experiments using 2-heads or very many lags/subbands that cannot be correlated in one go, but generally can be 'glued' back together using VBGLU in AIPS.

Generate the password for the experiment and archive: **NOTE** This does not need to be done for NMEs or if the PI has waved proprietary period.

```

date | md5sum | cut -b 1-12 # Quick way to create the password
touch {exp}_{password}.auth

archive -auth -e {exp}_{YMMDD} -n {exp} -p {password}
archive -fits -e {exp}_{YMMDD} *IDI*

# In case it is necessary (experiments not submitted through NorthStar). Typically
# Bob takes care:
archive -abstract {abstract.txt} -e {exp}_{YMMDD}

# Modify the PI letter accordingly and archive it together with the standard plots:
gzip *ps
archive -stnd -e {exp}_{YMMDD} {exp}.piletter *ps.gz

```

Note that the PI letter may need to be updated after checking the pipeline results.

## Pipeline the data

### Pipe (jop83)

The *pipe* user in *jop83* loads the two directories where you will work:

- \$IN: where the inputs for the EVN pipeline are located (/jop83\_0/pipe/in).
- \$OUT: where the outputs for the EVN pipeline are located (/jop83\_0/pipe/out).

```

ssh -Y pipe@jop83

mkdir $IN/{exp}
mkdir $OUT/{exp}

mkdir $IN/{username}/{exp}
cd !$

```

This last folder under your *username* path is recommended to download all antab and log files from *vlbeer* and fix them before running the pipeline. Copy all the ANTAB, LOG and UVFLG files to this folder from *vlbeer*:

```

sftp evn@vlbeer.ira.inaf.it
cd vlbi_arch/{monthYY}
mget {exp}*.log {exp}*.antabfs {exp}*.uvflgfs

```

*Note:* There is an alias on pipe called *sftpvibeer* that runs the sftp command.

### ANTAB files



If some antennas have not uploaded the *antabfs* file to vlbeer yet, request it by email. You may need to create a nominal file sometimes. Note that some special stations (such as Arecibo or the KVN) can send files with a slightly different names.

For those stations that do not have an *antabfs* file, there are different possibilities:

### Creating an *antab* file from the *log* file:

#### DEPRECATED use *antabfs.py* below

Try with the `antabfs.pl` script located in `jops@jop83:/jop83_0/pipe/in/agudo/antabfs`:

```
antabfs.pl {logfile}
```

In a non-interactive more, add `-batch`.

It can also be done on *eee2* with:

```
antabfs.py {logfile}
```

which is the script that stations currently use (maintained by Yebes).

#### For stations with continuous Tsys measurements:

In the case of Robledo or other station with continuous Tsys measurements (such as Onsala, Yebes, Effelsberg) have observed, create the *antab* file from the *rxg* files in *eee2*:

```
antabfs.py {/data0/tsys/rxgFile.rxg} {logFile}
```

Or (not recommended)

```
tsys.py -r {/data0/tsys/file.rxg} -l {exp}.lis -e {STATION} > {exp}{station}.antabfs
```

Note that you can always use `-h` to get an explanation of the parameters to use. `-I -c` can be typically needed.

#### Nominal ANTAB files:

If it fails, then create an ANTAB file with nominal values (taken from the EVN Status Table) on *pipe*:

```
antabfs_nominal.py -d {EXP_DURATION_IN_HOURS} -b {FREQ_BAND} {ANTENNA} {EXPERIMENT}  
{DOY/HH:MM}
```

Note that you can always use `-h` to get an explanation of the parameters to use.

#### Interpolating ANTAB files:

Recently we have noticed that some stations (typically the Russians and Ur) produce antab files with measurements only once every several minutes. As all these measurements are typically recorded during calibrator scans or during gaps, all the other scans (likely on the targets) are typically flagged in the pipeline. To avoid this issue, you can run the following script (in *pipe*) on those antabfs files to fix the issue. It will interpolate Tsys values from the given ones:

```
antabfs_interpolate.py [-p] {antab_file} {interval}
```

This script interpolates the measurements every `{interval}` seconds. Typical values are 15-30 s. The `-p` flag is optional but recommended. It will produce plots for each IF/polarization showing the original values and the interpolation that has been done. Check that the interpolation worked properly ignoring outliers. If no more options are provided, it will replace the original `{antab_file}`, otherwise you can provide `-o NEWFILE` which will write the output into *NEWFILE*. Specific start and ending times can be also provided, see the help with `-h`.

### In the case of globals (VLBA):

- Login to *eee2*.
- Go to your experiment directory.
- You will need to copy the *vlba\_gains.key* file located in */data0/tsys/*.
- Then you can produce the antabfs file for each station through:

```
tsys.py -l {exp}.lis -i 15 -t {/data0/tsys/Freq.station-file} {StationCode} >>
{exp}.antabfs
```

Repeat it for each station (will be appended to the previous `{exp}.antabfs` file created). Or use different antab files for the different VLBA stations. **NOTE:** if you have the GBT, the script might not copy correctly the header (gain information) to the antabfs. Do it manually getting the information from the */data0/tsys/gbt\_gains.key* file.

Log files from the VLBA web: <http://www.vlba.nrao.edu/astro/VOBS/astronomy/> Download the *{exp}cal.vlba* file, which contains the flagtables, the antab, and the weather information. All these files should also be at *ccsbeta* under */ccc/var/log2vex/logexp\_data/{EXP}\_{YYYYMMDD}/*.

### Checking ANTAB files:

Perform some sanity checking of the ANTAB information, by running:

```
antab_check.py [-h] [-n] [-s STATION]
```

By default it will take all uvflgfs/antabfs files present in the current directory. You can specify a particular station with `-s`. `-n` disables the option of making plots. `-h` to see the help and all the options.

## uvflg files

If there are *uvflgfs* files missing, create them from the *log* files in *pipe*:

```
uvflgall.sh

# Or individually:
uvflg.pl {exp}{ant}.log
```

Check that all the *uvflgfs* files have roughly the same size. If there is one much smaller, this is likely because there was a problem with the log file interpretation.

**DEPRECATED - uvflgass does this automatically** Sometimes it is due to the number located around the 7th row: *flagr,0'*. Change that number with one normally used in the other stations (400, 700, ..., measured in ms). Create again the *uvflgfs* file.

Concatenate all the *antabfs* and *uvflgfs* files into `{exp}.antab` and `{exp}.uvflg`, respectively.

In case of spectral line experiments, copy the same *uvflg* table as `{exp}2.uvflg` and `{exp}1.uvflg`. Copy also the *antab* file, and leave only the IF per polarization which is selected for the line pass in the INDEX line for each station.

## Run the EVN pipeline

Prepare the `{exp}.inp.txt` file (based on an older one for example) and the `{exp}.tasav.txt` in the `$IN/{exp}` folder.

**NOTE this process is optional and undergoing rapid changes** If some antenna has a big weight (see with 'gscale' in Difmap after running once the pipeline), then modify it in the *antab* file: Search for "GAIN {ANT}" and some lines below change the "FT=" value to the square of the obtained correction.

### Run the EVN pipeline.

```
EVN.py {exp}.inp.txt
```

Numbers for the *tmask* parameter:

1. Load and sort the data
2. A-priori data flagging
3. Plot the raw data
4. Amplitude calibration and parallactic angle correction
5. Fringe-fitting
6. Bandpass calibration
7. Plot the results after *ampcal*, fringe fitting and bandpass.
8. Split
9. Create multi files and make dirty maps and first clean maps.
10. Continue mapping
11. Plot the final data
12. Calculate the antenna sensitivities

### 13. Save useful data and plot final map

All the output files are saved in the `$OUT/{exp}` directory.

If the pipeline breaks at the beginning (check `$OUT/{exp}/AIPS.LOG` and the ParselTongue output), a typical reason is that for some antab files, the given frequency range is smaller than the actual recorded frequency range. That implies missing data for some channel/IF. Check the values given for each antenna (the log file from the pipeline will tell you what is happening).

#### Provide the feedback for the experiment

There are a couple of text files to be created before archiving the pipeline: the `{exp}.tasav.txt` file in the `$IN/{exp}` directory, and the `{exp}.comment` file in the `$OUT/{exp}` directory.

Traditionally, both files have been created by copying them from previous experiments and manually modifying them.

Now you can use the following script to generate both of them:

```
comment_tasav_file.py '{exp}'
```

where the script can be run from any location, and `{exp}` must be the experiment name pass (i.e. `{exp}`, or `{exp}_1` for continuum passes, or `{exp}_2` for spectral line passes). Note that the name is case insensitive, you can write `{exp}` or `{EXP}` and get the same behavior. **Please check the comment file carefully and check the values written there (specially the frequency setup). It could provide the wrong values in a few particular cases.** By default it will write the files in the appropriate directory (under `$IN` for the `tasav` file, and under `$OUT` for the `comment` file).

Run then the feedback script:

```
feedback.pl -exp '{exp}' -jss '{your_username}'
```

If necessary, add the `-source 'source1 source2 ...'` option.

Check the `html` file in the browser.

#### Check the EVN Pipeline output

Open the generated `html` file from the EVN Pipeline and check the full output. Among other plots, please consider checking in detail the following sections:

- *Plots of the uncalibrated amplitude and phase against frequency channel.* Do you see fringes for all stations (at least for the fringe finders, or phase calibrator)?
- *Telescope sensitivities.* Check that there is `Tsys` information for all participating stations, for all time ranges, and all observed subbands.
- *Fringe-fit (delay and rate) solutions.* Check that all stations got consistent solutions.

- *Telescope bandpasses.* Check that the bandpasses are correct (roughly flat across the band).
- *Calibrated amplitude and phase against time.* Do all stations have data? Did you miss any of them?
- *Calibrated amplitude and phase against frequency.* Do you see flat phases? And amplitudes?
- *Statistical summary* (from the amplitude corrections applied to the fringe finders). Do all stations have corrections around one with low median errors? If some stations exhibit large correction factors you may want to take a closer look to the data and the ANTAB files to fix it.
- *Telescope sensitivities.* How are the gains applied to all stations/IFs along the time? Did some stations drop data?

## Archive the pipeline results

Update the authentication in the webpage from: <http://archive.jive.nl/scripts/pipe/admin.php> Do not allow free access for the sources as specified by the PI in the `{exp}.expsum` file (copied previously in the working directory in `eee2`).

Archive both directories, `$IN` and `$OUT` (you need to be the `jops` user):

```
su jops
archive -pipe -e {exp}_{YYMMDD}

cd $IN/{exp}
archive -pipe -e {exp}_{YYMMDD}
```

## Send the emails to contact PIs

- PI letter to the PI and `jops@jive.eu` (this can be done just after archiving the results and before running the pipeline).
- Pipe letter to the PI only containing the credentials to access the data. You can generate this file by using (in `eee`):

```
pipelet.py [-h] {exp} {jss}
```

where `jss` is the surname of the Support Scientist in charge of this experiment (i.e. you). It takes the credentials to access the data from the `username_password.auth` file that should be in the current directory. Otherwise you can pass the information through different parameters (see help).

## Post-processing steps

Import the PI letter comments to the database to keep track of all the important problems in the session:

In the directory where the `{exp}.piletter` is located (in `eee2`), run:

```
parsePIletter.py -s SESSION {exp}.piletter
```

where SESSION is the session name in the format xxxYY (e.g. oct17). For regular EVN sessions, use only Feb, Jun, or Oct. As usual, `-h` will show you the help.

Copy the gain corrections from each station done by the pipeline to the database. In *pipe* run:

```
$OUT/{exp}/  
ampcal.sh
```

In case of e-EVN experiments, you need to add the option `-e {exp_name}`, where *exp\_name* is the official experiment name of the e-EVN run (basically the name of the first observed experiment).

## Track of station issues per session

It is convenient to **report the major issues that you have seen** in the JIVE Wiki to track the issues related to particular stations that are happening in one EVN session or along the time. Please, go to the Wiki list of problems:

[http://www.jive.eu/jivewiki/doku.php?id=evn:supportscientists#problem\\_list\\_per\\_session](http://www.jive.eu/jivewiki/doku.php?id=evn:supportscientists#problem_list_per_session)

And add a summary of important issues you have identified in stations from this experiment (note that the problems are listed per session and per band).

Additionally, please also report all problems you have spotted concerning the ANTAB files in this other page of the JIVE Wiki:

<http://www.jive.nl/jivewiki/doku.php?id=evn:supportscientists:antabs>

The idea is to keep track of both, issues inside the ANTAB files and stations that do not send ANTAB files or do not upload them after observations.

## House-keeping

After an experiment has been distributed and the usual period of two weeks waiting for feedback from the PI has expired, then you can remove all the files created in AIPS to free disk space (as all those results are already archived). Same approach for all IDI files located in *eee2*. They can be safely removed as a copy of them lies in the EVN Data Archive. Measurement sets should be retained until backed up to tape (by Bob).

## NME Report

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If you are post-processing a NME, then you need to write the NME Report.

This is the website in the Wiki where all the NME Reports are stored: [http://www.jive.eu/jivewiki/doku.php?id=evntog:nme\\_reports](http://www.jive.eu/jivewiki/doku.php?id=evntog:nme_reports)

There you have a LaTeX template and you can upload it to the corresponding place.

However, I created a script `create_nme_report_template.py` to produce the LaTeX template with the correct structure for your NME (e.g. the table will show all the stations that participated). This will save you time modifying the table (just run with a `-h` to know the necessary inputs).

If you do not have this script, download it from the Wiki webpage: <http://www.jive.nl/jivewiki/doku.php?id=evn:supportscientists>

Finally, send an email to EVNTech (evntech@jive.eu) informing everyone that the Report has been uploaded.