Preparations

Setup the R2DBE

on the mark6 machine as user oper:

```
python /usr/local/src/r2dbe/software/r2dbe_start.py
```

Note: This file will need editing prior to the session start.

in line 8/9 adapt the stream identifiers, e.g. for the 30-m telescope (station code PV) we use PR and PL (for RCP and LCP respectivly).

Depending of the network configuration of the Mark6 (e.g. which of the 10GE ports were used for connecting the R2DBE and the corresponding IP-adresses) other modifications need to be made in the arp and ip sections of the script. Please consult Geoff or Laura in case of doubt.

Mark6 dplane and cplane daemons

on the mark6 make sure that the cplane and dplane daemons are running:

```
ps aux | grep dplane
ps aux | grep cplane
```

If not start them by issuing (in this order):

```
/etc/init.d/dplane start
/etc/init.d/cplane start
```

During the observations it is useful to have the cplane and dplane logs opened all the time in order to spot recording problems:

```
tail -f /var/log/dplane-daemon.log
tail -f /var/log/cplane-daemon.log
```

Alternatively you can use this script (m6service_restart) to start/restart the daemons and bring up the logs automatically. Download the file to /home/oper/bin

Scripted schedule execution

You can use the a script (start_eht.py) to execute the observation schedule. In addition to executing the schedule the script will automatically perform other tasks in the scan gaps, e.g. 2-bit quantization etc.

If you plan to use the script download and install it from here.

More

Please feel free to add other preparational items