Pulsar session essential checklist

A) Before the session starts, copy your schedule and setup files in the directory:

/home/pulsar/scheds/[your project code]

B) Unstow the antenna (if stowed)

1) on discosConsole terminal, unstow the antenna by giving the following commands:

```
antennaReset
setupXXX (where XXX is the code of the requested receiver)
goTo=*,87.9d
```

2) If necessary, do the pointing and focus calibrations (see seadas session handbook for details).

C) Launch seadas

1) Log in the computer viewer01 as pulsar (ask staff for password), or switch to user pulsar if another user is already logged in
2) Open a shell and type the command: seadas
3) Enable the antenna

D) Backends control:

D0) Focus selection operations:

1) in the same console where discosConsole is running, find the Backend selector window. If present, go to point 3.

2) open a shell and type the commands:

```
cd
cd SAB
python sabc.py
```

3) Select the desidered backends by acting in the two combo boxes: the DFB can be selected in the left one, the LEAP cluster (ROACH1) in the right one. Once done, press the “Send” button

Next DX sections must be followed for those backends only the user needs to use, otherwise must be skipped

D1) DFB operations:

1) open a shell on viewer01
2) type the command: vncviewer psrdfb:2 (ask staff for password)

3) if not already running, in a terminal in the vnc window type the command: dfbcontroller

D2) LEAP cluster operations

1) open a shell on viewer01
2) type the command: vncviewer leap0:2 (ask staff for password)
3) if not already running, in a terminal in the vnc window type the command: /home/user/seadas/bin/leapcontroller

E) Observations' start

1) in seadas window, load your schedule
2) choose the observations to be put in the observing list
3) click observe

F) Session closure

1) close the vnc window on the leap cluster (if opened)
2) close the vnc window on the DFB (if opened)
3) close seadas
4) log out of viewer01
5) on discosConsole terminal, park the antenna by giving the following commands:

```
antennaPark
servoPark
asPark
```