JOUFLU remote observations log

22, 23 and 24 Nov nights lost to bad weather (humidity or very bad seeing)

25 Nov 2013 (26 morning in Meudon)

Times are UTC

02:47 Fringes found on check star HD 13161 offset: -1347um

03:19 HD 14690 (cal)
03:35 very weak fringes at -1665 μm
04:10 only 10 counts, impossible to get stable fringes

04:23 HD 19121 (cal)
JOUFLU > ALIGN > raster scan 11 then 5
CD2 > SCAN FOR FRINGES
04:28 Fringes found -1575 μm
When fringes found:
JOUFLU > HOLD
JOUFLU > SEND
JOUFLU > SERVO to track
JOUFLU > SAVE to save the data
Sometimes the fringes were lost
The sequence is darks, shutter A, shutter B, data, darks (in the JOUFLU GUI next to filename)

04:41 HD 15779 (sci)
05:48 Fringes found -1606 μm
Just press 'Record two beams" instead of "Scan for fringe" when I know where fringes are.
Offset is read in the JOUFLU window, next to "Cart"
If it's a target you've never been to it will start from 0um and you can use the big steps <<<< or >>>> to get to where you think they are
Once you've been to a target before it goes to the last position you saw fringes
Then hold/send/servo/save in JOUFLU GUI

04:52 HD 19121 (cal)
05:18 fringes recorded, but very bad piston

05:25 HD 15779 (sci)
05:31 fringes -1503 μm

05:40 HD 20791 (cal)
COSMIC DEBRIS > CALIBRATORS > HD XXXXX
COSMIC DEBRIS > CALIBRATORS > CAL 1
COSMIC DEBRIS > CALIBRATORS > SLEW TO
watch the telescopes using the "Scope" GUIs
05:47 fringes found -1554 μm
Problem recording the fringes, the flux is lost
05:55 fringes are back, recording (they were lost during the dark)
Piston is terrible

06:06 HD 15779 (sci)
06:35 fringes are recorded
Some of the GUIs freeze from time to time in Meudon
Piston looks better now

06:42 HD 20791 (cal)
The network is very unstable, it is impossible to control from Meudon
Fringes recorded.

06:50 HD 15779 (sci)
06:52 recording fringes

07:00 HD 20791 (cal)
07:02 fringes at -1389 μm

07:08 HD 15779 (sci)

07:14 fringes -1424 μm
Piston is now rather low

07:18 HD 16673 (cal)
No flux, there could be clouds

07:38 HD 23526 (sci) K=3.6, elevation=63 to check
fringes @ -1307μm
There are clouds apparently, the flux is very low. We wait for some improvement before recording.
We go to standby.
08:39 we record fringes, piston is rather low now

08:49 HD 28322 (cal)
08:54 fringes @-1311 μm

09:04 HD 23526 (sci)
09:08 fringes -1314 μm record

09:14 HD 28322 (cal)
09:23 fringe -1268 μm record, sum=70, mag lim ~8.0
First series at 750 Hz frequency (bad, should be 500 Hz)
09:26 500 Hz setup fringes @ -1328 μm recording

09:32 HD 23526 (sci)
09:38 fringes -1248
Problem with the metrology, batch is interrupted, but the data is recorded.

10:33 HD 65098 (cal)
10:52 fringes found -1561 μm

10:55 HD 62902 (sci)
11:04 fringes found -1516 μm

11:08 HD 65098 (cal)
The seeing looks good now, around 1.2"
11:19 fringes -1550 μm

11:?? HD 62902 (sci)
fringes -1538

12:13 HD 89449 (cal)
The display freezes during fringe search.
Nic takes over to search.
Clouds prevent us from finding the fringes
~12:30 we close