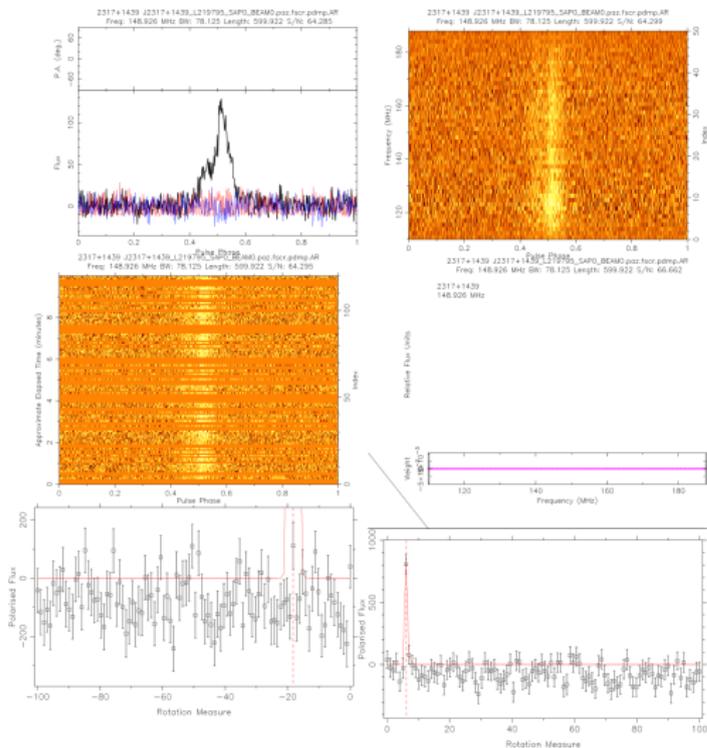


# Cobalt status

Michiel Brentjens

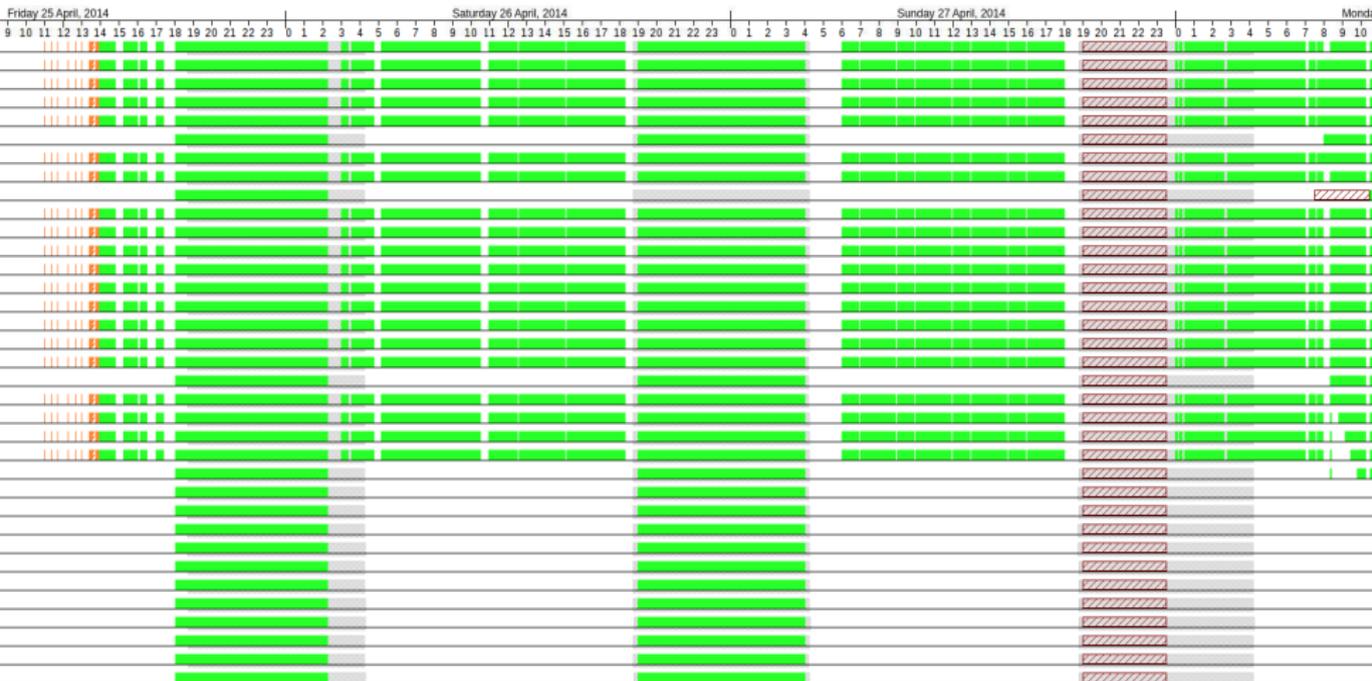
Radio Observatory  
ASTRON, Dwingeloo, The Netherlands

Lofar Status Meeting 2014-04-30



- Improved throughput to CEP2 to acceptable levels (LACP)
- Pulsar survey seems possible
- Improved block size calculations in Scheduler
- Complex voltage mode works for full core
- *(except if you use 22 or 23 stations or 408 sub bands)*
- Detected ms pulsar!
- No absolute time scale yet

# The LOFAR backend since 2014-04-24



# Powered down BG/P compute nodes

oec - Mozilla Firefox

Inloggen My University < Rijksuniversiteit... > oec

10.1.1.20/oec2/datacenters.php

Versie 2.2

oec

Rapportage Datacenters Overzicht Schakelen Diagnose Instellingen Taakplanner Uitloggen

- RUG rekenhallen
  - Datacenter 5415 0086
  - Datacenter 5431 0218
    - RUG deel
      - LOFAR deel
        - Rij A
        - Rij B
        - Rij C
        - Rij D
        - Rij E
        - Rij F
        - Groepenkasten UPS
        - Groepenkasten Essent
          - Groepenkast
            - 63 - 5431 0218Y K9
            - 66 - 5431 0218Y K12
            - 62 - 5431 0218Y K14
              - Meters
                - UMG104-L1
                - UMG104-L2
                - UMG104-L3
        - Datacenter 5712 0015
        - Testlab 5415 0010
        - 5416 0050

### UMG104-L1

PDU ID: 62  
Type: Meetunit      Uitgang: 1  
Fase: L1

Laatste meetwaarden (maandag 28 april 2014 15:00):

Vermogen:	115654 kWh	Blindvermogen:	0 kVArh
Powerfactor:	0,89	Frequentie:	50 Hz
Stroom:	20,9 A		
Voltage:	237 V		

[Doe meting](#)

#### Stroom

Uur	Stroom (A)
11	30
12	30
13	30
14	21
15	21

Eenheid:

Start:

Periode:

[Ververs](#)

- Fixing any bugs that show up under regular operations
- Testing a wider grid of possible settings, particularly for beam formed modes
- Refactoring previous quick fixes for future maintainability
- Making the configurations and firmware of all cobalt nodes equal
- Fixing the delay model
- Expanding automated test suite
- Measuring station delays for LBA modes
- A million other small things