

## Status of AWAKE Controls dry-run on 06 SEPT 2016

Presented at AWK meeting on 12 September and status updated.

[URL to EDMS.](#)

### GENERAL

- WORKING SETS (WSET) + APPLICATIONS declared in AWAKE CCM: checked OK
- Assign a configurator for AWAKE to configure CCM, WSETS => Edda to ask Verena
- Put elogbook in AWAKE CCM => Edda to ask the configurator

### FIX DISPLAY

- GUI: checked OK
- Add UNIT on VERTICAL SCALE, depending on the type of device:
  - Done for BCT + Beam position + Beam angle.
  - PENDING for bunch length and for frequency of proton micro-bunches => Jozef. New version expected this week.

### FILE READER (RUBIDIUM DENSITY) Integration in FIX DISPLAY

- checked OK
- FINAL density value (written in the file) to be computed in Veronica class (but no standard FESA LIB exists) or in Data Concentrator (but would add another SW layer) or ??? => Marine to set mtg with Roman + experts.
- LOGGING: no VARIABLES defined in LOGGING DB=> Veronica to check with Johan.

## LOGGING

- => Edda to re-trigger people to send requests to Jakub (filling the template)

## RF Devices (classes LTIM +ALLVTU): controls from WSET

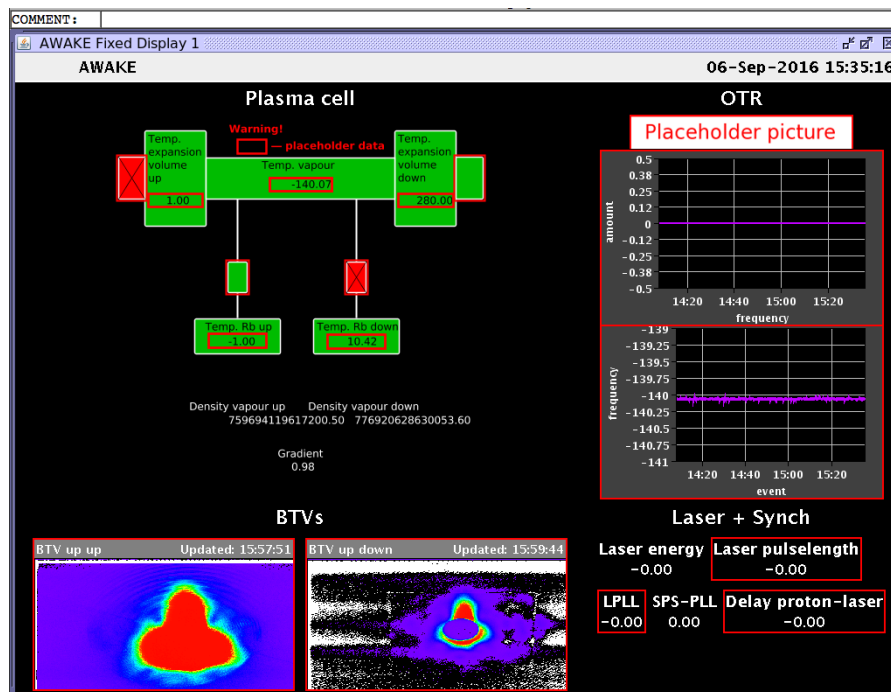
- All devices put in SPS: AWAKE WSET: checked OK
- Controls from KNOB/WSET: checked OK by Heiko

## OASIS crate 'cfc-tsg4-csaos11' with signals from Misha

- Cabling and HW: checked OK
- Functionality to switch from TRIGGER 1 (10Hz) to TRIGGER 2 (SPS Extraction): done on WEDNESDAY 7 SEPT by Benjamin. READY for testing => Not ready according to Karl (12 September); he will contact Ioan.
- TRIGGER devices declaration in WSET/KNOB => Ioan
- Signals display on OASIS viewer => Misha to check with help from CO
- Logging of OASIS signals => Karl will contact Anastasiya.

## OTR and CTR diagnostics

- All LTIM devices for OTR/CTR: controls from KNOB/WSET: AWAKE / OTRCTR-TIMING : checked OK
- Check behavior of LTIM devices by setting ENABLE /DISABLE from KNOB: SX.OTRCTR11/10: checked OK
- Issue with AWAKE LTIMs to pulse both for operations (beam



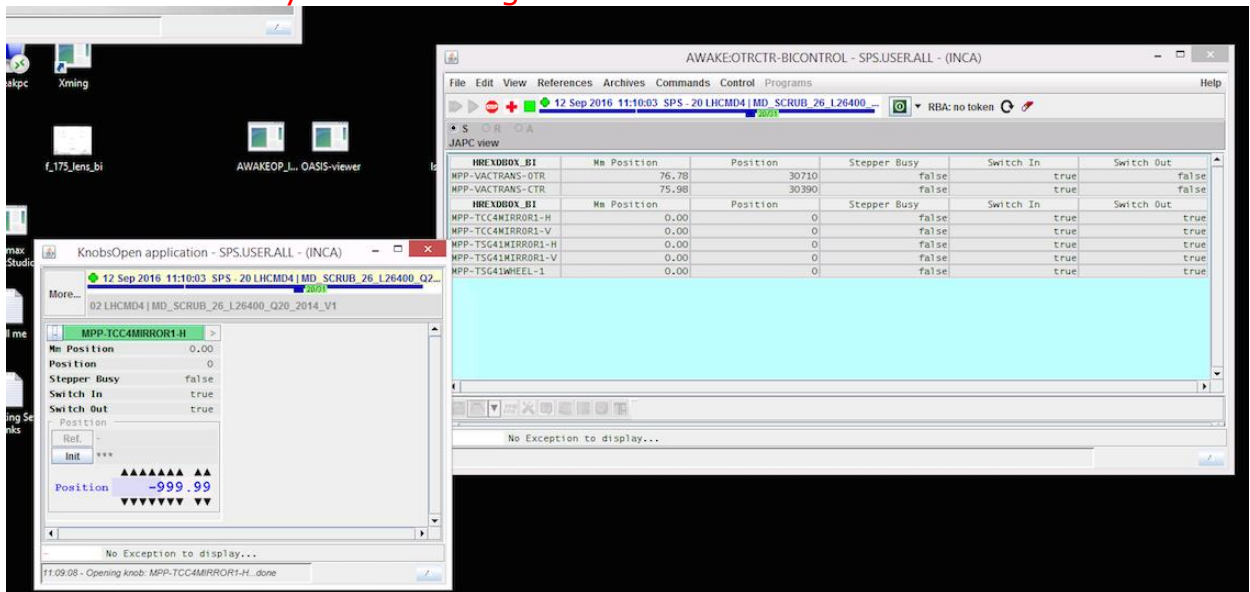
extraction) and dry-runs (NO beam extraction): need to reconfigure 8 LTIMs (SX.OTRCTR $x$ 0) to be non-PPM and gated on DEST=AWAKE => Ioan (LTIM class) + Roman (LSA)

## LASER LINE

- KNOB/WSET controls on devices (FESA classes involved: FlipMOUNT + all others) in AWAKE / LASER LINE WSET: **Checked OK**
- LOGGING: **Checked OK**

## CAMERAS MOTORS controls

- BI card for MPP controls : Devices in WSET : AWK / OTRCTR-BICONTROLS : **DEVICE LIST is OK**
- Remote POSITION in KNOB NOT OK (-999.99 value): issue is in the FESA class (Stephane BP) => Lars will inform Stephane who should likely discuss integration in KNOB with Eric.



**Integration in FIX DISPLAY of OTR STREAK CAMERA data => NOT YET CONFIRMED**

Format of data from the FESA class (David) NOT OK (= NOT compliant with BTVI data format) => Lars Jensen will ask David to review his code.

**RF SETTING for LASER SYNCHRO => NOT YET CONFIRMED**

Check controls from WSET/KNOB: needs more studies between Edda, Valentin, Heiko, ...

**[out of dry-run's scope]: Connection of VAPOR SOURCE data to SIS**

Edda's feedback : "originally we said we don't need to have it in the SIS, it is important that the valves are connected to the BIC, but in case e.g. the temperatures are not correct in principle we still can send beam - in fact we should though maybe rediscuss again together as all the different parameters are now defined. This is important only once the end flanges are installed, ie ~Oct/Nov, "  
**=> Edda to discuss with Falk, Enrique (BE-ICS) + Roman and Gabriel (SIS)**