

**Number**

#20

**Date**

19 March 2018

**Time & place**

13:00 – 14:15; DESY, Bldg 24, R, 242

**Participants**

D. Nölle  
W. Decking  
H. Weise  
R. Wichmann  
H. Sinn  
Th. Tschentscher

**Distribution**

Email list OB

**Agenda**

- 1) Minutes and action items
- 2) Last week(s)
- 3) Assessment of operational risks, adjustments of operation schedule, etc.
  - Analysis cryo failure
  - Establishing clear information chain
  - Schedule 2018 & 2019
  - Undulator dose measurement task force
- 4) AoB
  - MAC Agenda

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### 1. Minutes of last meeting and action items

Minutes of meeting #19 approved.

Action items:

- Safety issues not yet clarified.
- PP laser timing. Fine according to M. Lederer; Full tests in week 20, foresee pre-tests with different patterns of accelerator in previous week. Remove entry.
- User defined pulse-pattern still requires further definition. HS to talk to P. Zalden (FXE). Prepare requirements document.

### 2. Last Week

See run coordination meeting report(s)

<https://tftinfo.desy.de/elog/XMLlist?file=/XFELelog/data/2018/11/2018-03-19T07:32:01-16.xml&xsl=/elogbook/xsl/elog.xsl&picture=true>

Very successful operation in south branch. Initial problem with dark current transmitted by septum was solved by proper setup of orbit in septum. Switching between SA2 and SA1 beamline works. Timing pattern has become much more complex due to operation of second beamline. E.g. it will change if during first part of train bunches are sent to SA2 or not. The machine control recognizes these different modes (using time pattern) and already works well, but it is anticipated that problems for instruments will show up.

Weekend operation had a lot of technical issues and several planned activities could not be performed.

### 3. Next Week

See schedule in log-book

<https://tftinfo.desy.de/elog/XMLlist?file=/XFELelog/data/doc/Schedule/2018-03-16T10:20:59-02.xml&xsl=/elogbook/xsl/elog.xsl&picture=true>

#### 4. Improvement activities

#### 5. Assessment of operational risks, adjustments of operation

Analysis cryo failure: Inspection of motor at Linde today; final analysis why this motor after 900 hrs operation failed outstanding. Should allow to assess if single failure or structural problem. Motor failed within 6 hrs. Replacement motor is different and of the same type as the motors that have 5000h+ operating time. Cryo cold compressor system is such that no redundancy can be implemented.

Establishing clear information chains: MKK shift crew needs to inform XHEXP and XHQ technical services, for this contact phone numbers should be provided (TS on-call service). In addition provide BKR/ACC coordination with emergency numbers.

Schedule issues:

– Discussed rev11 of the 2019 schedule. Agreed to keep the swap around Easter as implemented, however accelerator team might be too weak (during long bank holiday weekend) to schedule more complex studies. However, some studies might be possible. Operation of ACC over Easter weekend is no problem. Shift of summer shutdown by 1 week to end just before start of summer vacation in HH/SH was approved. rev11 can be used for further planning.

– Discussed rev4 of 2018 schedule. Modification of meaning of weeks XC vs. UP/XD during weeks 22→23, 35→36; 36→37, 37→38. Modify Nov/Dec with weekly change XC vs UP/XD. Add 2 AD days in Dec at start of shutdown (11 & 12 Dec).

– HS wrote Phyton script to generate OAO schedule sheets out of Decking file used. Should allow to reduce work and base planning on single file.

Undulator dose measurement task force – Discussed DRAFT Charge letter and asking J. Pflüger to chair this task force. Suggested few changes to charge. TT to address JP.

#### 6. AoB

MAC Agenda – discussed and suggested to add presentation on DOOCS-Karabo bridge; TT will bring to MB, and thereafter WD will contact MAC chair.

#### Follow-up

Follow up	
04.1	Clarification of general safety organization. Ask for safety organigram (→ S. Mohr, S. Kozielski)
17.1	Follow up beam on demand for experiments
20.1	Results from analysis of failing cryo compressor motor.