

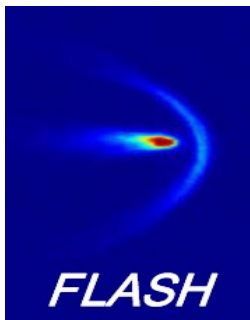


Schichtgängerausbildung FLASH Tutorium

FLASH
Free-Electron Laser
in Hamburg

FLASH – Bemerkungen zum Betrieb und zum Logbuch

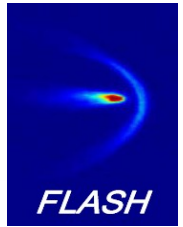
Siegfried Schreiber, DESY
Katja Honkavaara, Uni-HH



- Koordinatoren
- Elogbuch



Koordinatoren



- Das TTF2 Projekt ist im Sommer 2005 offiziell beendet
- Seitdem ist der VUV-FEL „User Facility“ und heißt jetzt FLASH
- Betriebskoordinatoren:
 - Beschleuniger: S. Schreiber
 - Experimente mit Photonen: J. Feldhaus
- Neue Projekte:
 - Leitung: J. Rossbach
- Strahlzeitvergabe („Beamtime Allocation Committee“ BAC):
 - Vorsitz: H. Weise

D. Trines

Hamburg, 11.10.05

Organisation des Betriebes und der Weiterentwicklung der VUV-FEL Anlage

Beim VUV-FEL gibt es seit einigen Monaten Betrieb für Experimente mit dem FEL Photonenstrahl. Um einen möglichst effizienten Betrieb des TTF Linacs und der gesamten Anlage zu gewährleisten, sollen für den Beschleuniger und die Photonenstrahlführungen und Experimentiereinrichtungen Betriebskoordinatoren benannt werden.

Für den Beschleuniger wird

Herr Siegfried Schreiber

und für die Photonenseite

Herr Josef Feldhaus

als Betriebskoordinator bestellt.

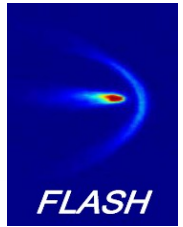
Die Aufgabe der Betriebskoordinatoren ist die möglichst reibungsfreie Abwicklung des Anlagenbetriebes, die Umsetzung von Betriebsprogrammen und beschlossenen Projekten mit den zugehörigen Zeitplänen.

Sie sind verantwortlich für die Organisation des Betriebes wie z. B. Organisation des Schichtdienstes oder Koordination von Fachgruppen für Arbeiten an der Anlage.

Die Koordinatoren sind verantwortliche Ansprechpartner für die Betriebsmannschaften, die Fachgruppen, die Nutzer sowie die jeweiligen Bereichsleitungen bzw. das Direktorium.



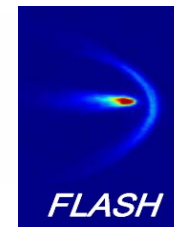
Weitere Koordinatoren



- Koordination des Programms, und der Experimente:
 - K. Honkavaara (allgemeine Beschleunigerstudien)
 - B. Faatz (FEL bezogene Studien)
 - R. Treusch (Photonexperimente)
- Runkoordinator / Photonkoordinator (bei User-Runs):
 - setzt das Programm um,
 - ist direkter Ansprechpartner für die Schicht
 - entscheidet
- technische Koordinatoren (K. Klose, NN, B. Polzin):
 - unterstützen die Operateure bei technischen Problemen
 - organisieren die Wartungstage



HELMHOLTZ
GEMEINSCHAFT



Logbuch

<http://ttfinfo.desy.de/TTFelog>

TTF Logbook - Mozilla

FLASH Status: **Intra Bunchtrain Feedback** 12.11.07 15:12
last 8 hours: 0.5 nC; 94.34% ACC1: 128.5 MV/m; 97.17 % SASE: 0.884 μ J; 18.41 %
News: Mail to expert reworked Access requests-Maintenance Tue Nov-13 Machine improvement list

TTF Logbook Sunday 11. November 2007 Afternoon

shift summary

Tech. Coordinator	Run Coordinator(s)	Operators	Other Persons
	* Honkavaara, Katja	* Affeldt, Alfred * Ayvazyan, Valeri * Haupt, Dennis * Pawlowski, Bernd	* S. Simrock

Photon coordinator(s)
* Stefan Duesterer (1570)

Photon Operators
* N. Guerassimova, M. Martins, R. Treusch

Users
*

Goal
* PG beamline commissioning (13.5 nm, 20 bunches (single bunch upon request), beam well centered)

Achievements
* SASE 5uJ at GMD-B, single bunch, 4uJ with 20 bunches (both apertures to 3 mm)

Difficulties
* Charge oscillations and beam energy drifts cause SASE amplitude fluctuations

Comments for next shift
* With 20 bunches ACC2/3 beam loading compensation should be applied

Summary from FEL users
* We got the FEL across the PG2 beamline up to the end, through the TTF experiment, and aligned the beamline looking for signals from intensity monitors. Next step will be focus optimization.

Operation statistics:
FEL beamline commissioning 8.0 h

11.11.2007 22:55 Ayvazyan,Affeldt,Haupt,Pawlowski Summary
SASE improved from 1.8 up to 4uJ with 20 bunches (3/3 aperture)
With single bunch from 1uJ up to 5-6uJ (3/3 aperture).
Charge oscillations and beam energy drifts cause SASE amplitude fluctuations.
ACC2/3 beam loading compensation should be on with 20 bunches.

11.11.2007 22:42 ttfinfo /tmp/SASE_energy_1194817313.jpg

SASE Energy 3.45927 μ J last 8 hours: 2.17 μ J 90 %

main_select

FLASH Magnets Optics Tools Diagnostics

Status e- Status FEL

Linac --> Overview

Injector ACC2 .. ACC5 ACC6 .. Dump

Procedures Vacuum Interlocks D00CS Param.->log Manuals

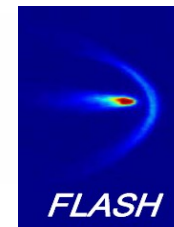
SASE Tuning Cryo Feedbacks Shift Doc. Other TTF e-Logbook

Start window: diagnostics->///

S.Schreiber / K.Honkavaara, FLASH Tutorial 2007



Wochenübersicht



auf die Woche klicken →

TTF Logbook - Mozilla

FLASH Status: PG beamline commissioning 12.11.07 13:17
last 8 hours: 0.5 nC, 93.27% ACC1: 128.5 MV/m, 95.88% SASE: 0.879 μ J, 17.45 %
News: Mail to expert reworked Access requests: Maintenance Tue Nov-13 Machine improvement list

Program KW 46

The whole week: SASE 13.5 nm

Monday 12.11.
Morning shift
• Intra bunch train feedback
Afternoon shift
• PG beamline commissioning
Night shift
• PG beamline commissioning

Tuesday 13.11.
Morning shift
• Maintenance (tunnel open)
Afternoon shift
• Start-up (4h)
• Damage of XFEL optical elements (4h)
Night shift
• Damage of XFEL optical elements

6h)
probe BL alignment (2h)
probe BL alignment
probe BL alignment
6h)

Programm der Woche

Zusammenfassung der
Runkoordinationsmeetings

05.11.2007 10:52 Klose Minutes: Run coordinator meeting 05-11-2007

Achievements:

- LSPF measurements of single cavity performance.
- Beam based alignment (BBA) (no changes in ballistic orbit compared to August 2006).
- SASE 7 nm @ 2.5 nC, QMD-B and 13 nm.
- Cross calibration MCP QMD (at 7 nm). At the moment, the QMD-B could be trusted.
- Beamline setup (SASE till Exp station B12)

Tech. Problems:

- QTR stations: Cam controller in the tunnel (Q01, Q02, Q03 sections) failed two times. It is necessary for reset.
- QMD Gas contaminated (will be exchanged tomorrow).

Program:

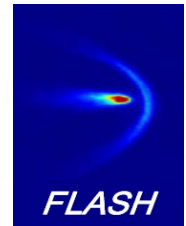
- Setup SASE at 13.5 nm.
- BBA
- Modulator 2: The oil for the pulse train will be cleaned tomorrow starting at 07.00h. Therefore the oil will be heated up. The cleaning and the cooling down will take till Wednesday 07.00 h. During this time no beam operation will be possible.
- Tomorrow is maintenance day. The tunnel will be open from 07.30 h till 16.00 h. Magnets grounded. After closing the tunnel, it is possible till Wednesday 07.00 h.

Zusammenfassung der Woche

er / K.Honkavaara, FLASH Tutorial 20



Schichtübersicht



TTF Logbook - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://tftinfo.desy.de/TTFelog/index.jsp Search Print

Home Bookmarks Mozilla Community TTF Logbook

FLASH Status: Intra Bunchtrain Feedback 12.11.07 15:12
last 8 hours: 0.5 nC, 94.34% ACC1: 128.5 MV/m, 97.17 % SASE: 0.884 μ J, 18.41 %
News: Mail to expert reworked Access requests-Maintenance Tue Nov-13 Machine improvement list

Shift Summary:
Press Enter to add a new bulleted goal, achievement, difficulty or comment.

Shift Leader: clear \$ No operation \$
Coordinator: clear \$ No operation \$
Operators: clear \$ No operation \$
Other People:
Photon coordinator:
Photon operators:
Users:
Goal:

Achievements:
Difficulties:
Comments for next shift:
Summary from FEL beam users:

View Current
Logbook Search
Logbook Help
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Printer: ttflog
DOCS
eLogbook

- Bei Schichtbeginn tragen Operateure ein:

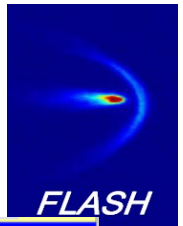
- Runkoordinator
- Operateure
- Andere Personen (z.B. Experten)
- Ziel der Schicht (Goal)
 - Programm: siehe Wochenübersicht

- Photonoperator/-koordinator (Hasylab) trägt ein

- Photonkoordinator
- Photonoperator
- Verantwortlicher des Experiments



Schichtübersicht



- Bei Schichtende tragen Operateure ein:

- Erreichtes (Achievements)
 - User run: SASE Zustand (
 - Maschinenstudien: Ergebnisse von Experiment / Studien (Experte)
- Schwierigkeiten (Difficulties)
- Nachrichten für die nächste Schicht
- statistische Angaben:
 - Betriebsart
 - falls es Unterbrechungen gab: Ursache und Dauer

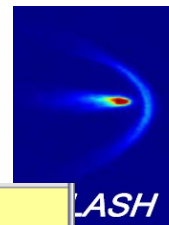
- Photonbenutzer trägt ein

- Zusammenfassung von FEL Strahlbenutzer



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Beispiel



FLASH Status: PG beamline commissioning (13.5 nm, abou> 15.11.07 10:47

last 8 hours: 0.5 nC; 99.89% ACC1: 128.7 MV/m; 100 % SASE: 5.033 μ J; 96.85 %

[News:](#) Mail to expert reworked [Access requests-Maintenance Tue Nov-20](#) [Machine improvement list](#)

2007

- 46
 - 15.11_M
 - 14.11_n
 - 14.11_a
 - 14.11_M
 - 13.11_n
 - 13.11_a
 - 13.11_M
 - 12.11_n
 - 12.11_a
 - 12.11_M
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Printer: [tftlog](#)

DOOCS
eLogBook

TTF Logbook **Wednesday 14. November 2007 Night** ◀ prev next ▶

shift summary

Tech. Coordinator	Run Coordinator(s)	Operators	Other Persons
	* Schreiber, Siegfried	* Fischer, Horst * Knaack, Klaus * Seebach, Michael * Prat, Eduard	
Photon coordinator(s)	Photon Operators	Users	
* Duesterer, Stefan (91625)	* S. Toleikis 3903), H. Wabnitz, K. Tiedtke (9 2481), M. Gensch	* U. Fruehling, M. Gensch 3903 until 1:15; Sobierajski et al	

Goal

- * FIR VUV pump probe BL alignment (2h)
- * Damage of XFEL optical elements (6h)

Achievements

- * FIR Beamline: could take the first spectra of the undulator tuned to different wavelength from in a spectral range from 20 to 80 micrometer
- * SASE level of 5uJ at GMD-T (apertures=3mm)

Difficulties

Comments for next shift

Summary from FEL users

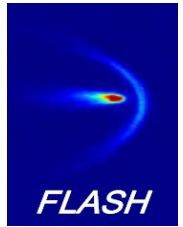
- * IR Beamline: we made very nice progress with the beamline commissioning thanx to "FIR undulator" operators O. Grimm, A. Willner and M. Yurkov and the patience of the damage group.
- * Damage: Further diagnostics of focusing performance of BL2. Due to the actual beam profile (see entry below) any meaningful analysis of the sample irradiation will be difficult.

Operation statistics:

SASE delivery: 5.7 h	FEL beamline commissioning: 2.3 h
----------------------	-----------------------------------



statistische Angaben



14.11_9
12.11_M

45
44
43
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Betriebsart
(Summe 8 Stunden)

FLASH Operation Statistics

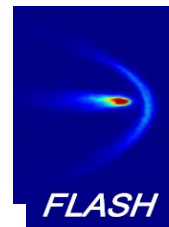
SASE Delivery: SASE tuning: FEL beamline commissioning: Linac setup:
Development: Scheduled maintenance: Linac commissioning: Total downtime:

Ursache des Unterbrechungen (downtime)

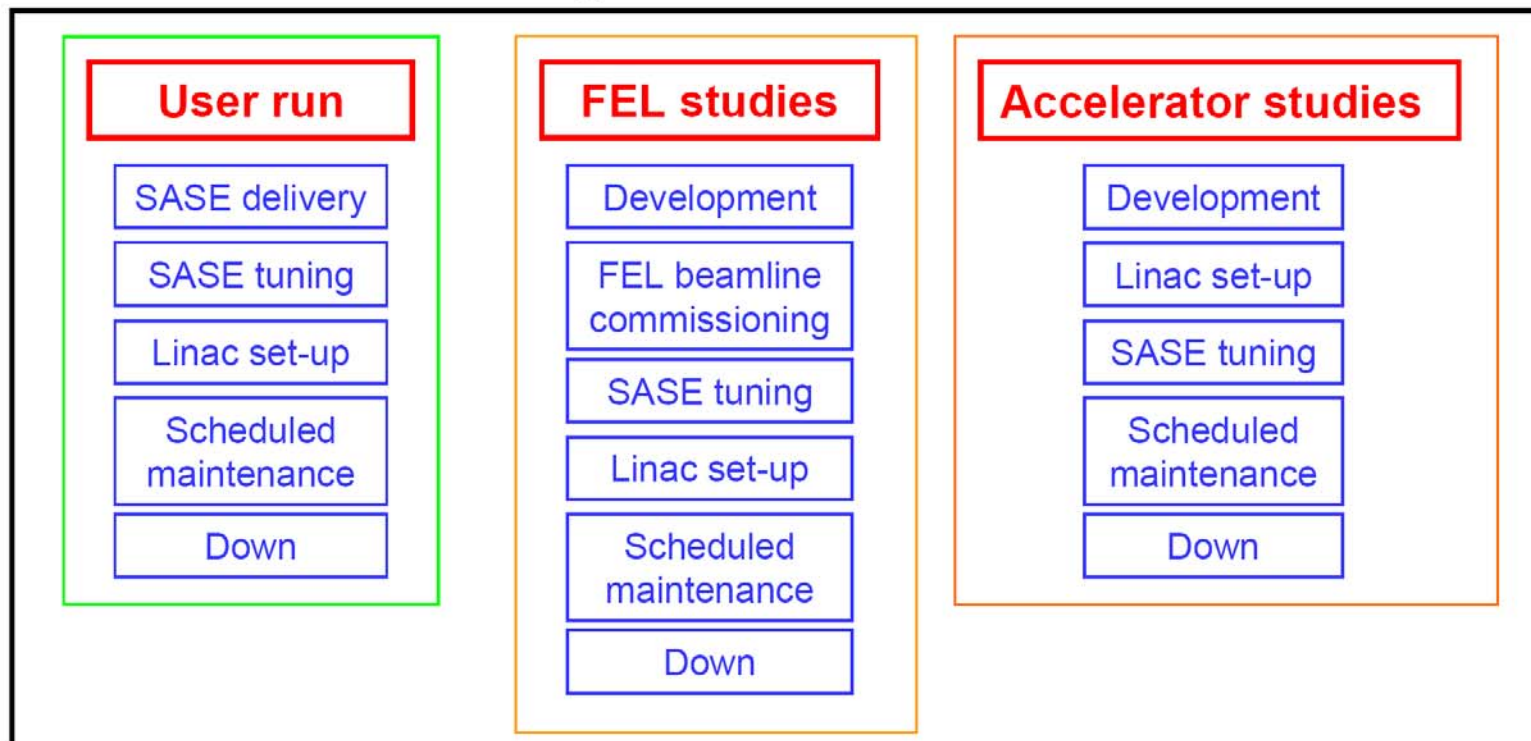
- Summe = Total downtime
- Bitte erkläre Ursache des Unterbrechung, auch Schwierigkeiten

RF-3 (Gun):
RF-2 (ACC1):
RF-5 (ACC2/3):
RF-4 (ACC4/5/6):
Laser:
Kryogenics:
Vacuum:
Magnets:
Controls:
LLRF:
Diagnostics:
Water/Mains/Infrastructure:
Photonbeamline:
Operators:
Others:

SAVE the file



Logbook statistics



SASE delivery = SASE beam delivery to FEL experiments

SASE tuning = SASE search, SASE intensity and position tuning, wavelength change, SASE characterization

Development = Machine studies and experiments (electron beam / LLRF / diagnostics)

FEL beamline commissioning = SASE delivery to commission photon beam lines

Linac set-up = Start-up after maintenance or technical problems, electron beam set-up, documentation

Down = Technical or other failures preventing to reach the shift goal

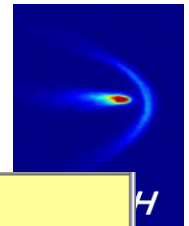
Scheduled maintenance = Weekly maintenance day (typically Tuesday), scheduled longer maintenance periods

Linac commissioning = Scheduled commissioning time after a long shutdown



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Beispiel des Schichtübersicht





FLASH Status: PG beamline commissioning 12.11.07 16:52

last 8 hours: 0.5 nC; 73.57% ACC1: 128.5 MV/m; 76.70 % SASE: 1.088 μ J; 1.107 %

[News:](#) Mail to expert reworked [Access requests-Maintenance Tue Nov-13](#) [Machine improvement list](#)

TESLA Test Facility

11.11_a
11.11_M
10.11_n
10.11_a
10.11_M
09.11_n
09.11_a
09.11_M
08.11_n
08.11_a
08.11_M
07.11_n
07.11_a
07.11_M
06.11_n
06.11_a
06.11_M
05.11_n
05.11_a

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Printer: [tfileg](#)

DOOCS
eLogBook

TTF Logbook Friday 09. November 2007 Afternoon prev next

shift summary

Tech. Coordinator	Run Coordinator(s)	Operators	Other Persons
	* Honkavaara, Katja	* Affeldt, Alfred * Ayvazyan, Valeri * Haupt, Dennis * Pawlowski, Bernd	
Photon coordinator(s)	Photon Operators	Users	
* S. Duesterer 1570	* Kai Tiedtke (92481), Pavle Juranic, E. Ploenjes (92602)	* Rolf Mitzner, Zacharias Group, Sorokin 3903	

Goal * XUV autocorrelator (6h), FIR VUV pump probe BL alignment (2h)

Achievements * Good SASE conditions are provided for Commissioning of XUV autocorrelator
* SASE status: 1 bunch, 13.5nm, 6-7 uJ, GMD/B, 3/3 aperture
* 10 bunches 4 uJ, GMD/B, 3/3 aperture

Difficulties * Screen DUMP1 was accidentally moved in when testing a measurement program -> gun RF off -> reset including SASE recovery took ~ 20 min (-> downtime other)

Comments for next shift * After ZZ, in case of SASE tuning problems you can call B.Faatz
* Help to fill out statistics: see entry at 22:57

Summary from FEL users

Operation statistics:

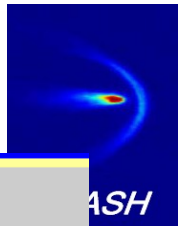
FEL beamline commissioning: 7.7 h	Down: 0.3 h
Total downtime: 0.3 h	

Downtimes:

Other: 0.3 h



Ein anderes Beispiel



TTF Logbook

Thursday 06. December 2007 Morning



shift summary

Tech. Coordinator

Run Coordinator(s)

* Schreiber, Siegfried

Operators

* Mittag, Frank
* Klose, Karsten
* Jahn, Hans-Joachim
* Andersen, Horst

Other Persons

Photon coordinator(s)

* S. Toleikis 1570

Photon Operators

*

Users

* Drescher BL1
(Wieland/Maltezopoulos, 2604)

Goal

* Sase for user: 13.7 nm, 12 - 15 uJ, GMD-B, single and 10 bunches, apertures (3/3)

Achievements

* SASE 10-15 uJ GMD-B, apert. 3/3 mm, 1 bunch, 10 bunches from 8:50 h on

Difficulties

* local reset kly2 charge switch necessary
* no beam -> 7:00 - 7:08 h -> 0.1 down for rf-2
* ACC 1 phase jumped -> no beam 13:42-13:48 h -> 0.1 down for others
* exchange flow meters kly 3: no beam from 14:20 h on -> 0.7 h down
* tuning 1 to 10 bunches 8:47 h - 9:19 h
* problems with DAQ and energy server -> no GMD readings 12:12 - 12:46 h

Comments for next shift

Summary from FEL users

* Alignment of UHV chamber (FEL and optical laser).
* First TOF spectra for calibration.
* No FEL beam from 15:00 -> 19:00

Operation statistics:

SASE delivery: 6.6 h

SASE tuning: 0.5 h

Down: 0.9 h

Total downtime: 0.9 h

Downtimes:

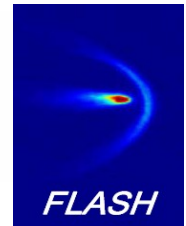
RF-3 (Gun): 0.7 h

RF-2 (ACC1): 0.1 h

Other: 0.1 h



Eintrag ins Logbuch



- Bitte immer eintragen:

- Name (Author)
- Überschrift (Title)
- Text mit verständlichen Erläuterungen, Beschreibung des Plots/Bildes...

- Wenn sinnvoll

- Schlüsselwort
- Schwierigkeit (severity)

- Falls wichtig:
Senden des Eintrags zu Experten

Summary from FEL users

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Printer: title

Operation statistics:
Don't forget to fill out the operation

FLASH Status: PG beamline commissioning
last 8 hours: 0.5 nC, 71.58%
AOC1: 128.5 MV/m, 74.25 %
SASE: 0 µJ, 0 %
12.11.07 17:02
News: Mail to expert reworked
Access requests-Maintenance Tue Nov-13 Machine improvement kit

new 12.11.2007 18:18:11

FLASH Status: PG beamline commissioning
last 8 hours: 0.5 nC, 72.52%
AOC1: 128.5 MV/m, 75.5%
SASE: 0 µJ, 0 %
12.11.07 17:02
News: Mail to expert reworked
Access requests-Maintenance Tue Nov-13 Machine improvement kit

eLogBook entry:

Severity: NONE
Date: 12.11.2007
Keyword: Other
Title: Example
This is an example how to fill out logbook

Author: Honkavaara
Time: 17:00:34
Location: not_set

Text:

ADCs
BIS
BLMs
BFMs
Cathodes
Couplers
CRD
DOCS
Experiments
Gun
Kryo
LOLA
Laser
Linac Status
Magnets
Phase mon.
Photon Diag.
RF
SASE

Mail to Experts

Topic: General_safety_FLASH_Linac
Experts: Weise, Hans (TTF/FLASH accelerator (MIN))
Petersen, Bernd (Cryogenic, Cleanroom, Chemistry, U)
Zepke, Kirsten (Oven (MVS))
Choroba, Stefan (RF sender (MHP-p))
Proch, Dieter (Cavity-teststands Tuning-Laboratory (M))
Jensen, Jens-Peter (Magnet power supplies (MK))
Spar, Burghard (Overall area work, Hall engineer (ME))
Wroblewski, Thomas (FEL-Hall (Geb. 28c) HASYLAB)

FLASH Status: PG beamline commissioning
last 8 hours: 0.5 nC, 72.52%
AOC1: 128.5 MV/m, 75.5%
SASE: 0 µJ, 0 %
12.11.07 17:02
News: Mail to expert reworked
Access requests-Maintenance Tue Nov-13 Machine improvement kit

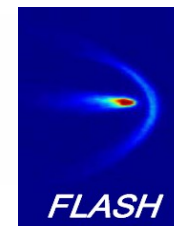
eLogBook entry:

Severity: NONE
Date: NONE
Keyword: FATAL
Title: ERROR
Text: WARN
INFO
IDEA
DOCU
MEASURE
TODO
DONE
FIXED
DELETE
WOW

Author: Honkavaara
Time: 17:00:34
Location: not_set



Beispiel eines Eintrags



08.11.2007 08:57 ttflinac

/tmp/otr_win_1194508662.jpg

nav. location unav. location

INFO
Expert

3BC2	3SBC2
4DBC2	6DBC2
8DBC2	10DBC2
3UBC3	8BC3
11BC3	5DBC3
15ACC7	18ACC7
9TCOL	5ECOL
7MATCH	3SUND1
2SUND3	5SEED
14SEED	6BYP
35BYP	38BYP
57BYP	3DELAY
5DELAY	12EXP
9DUMP	

Target

Optical set-up

Go OUT

Pos: unav.
Set P: unav.

-100
+100

wenig
Information...

08.11.2007 08:57 Honkavaara

Screen 14ACC7

When I clicked 14ACC7 in MPS -> Limiting elements, I got this panel. Is this screen working?

nav. location unav. location

INFO
Expert

3BC2	3SBC2
4DBC2	6DBC2
8DBC2	10DBC2
3UBC3	8BC3
11BC3	5DBC3
15ACC7	18ACC7
9TCOL	5ECOL
7MATCH	3SUND1
2SUND3	5SEED
14SEED	6BYP
35BYP	38BYP
57BYP	3DELAY
5DELAY	12EXP
9DUMP	

Target

Optical set-up

Go OUT

Pos: unav. location
Set P: unav. location

-100
+100

Set Pos
STOP

Grab Image
Show Image

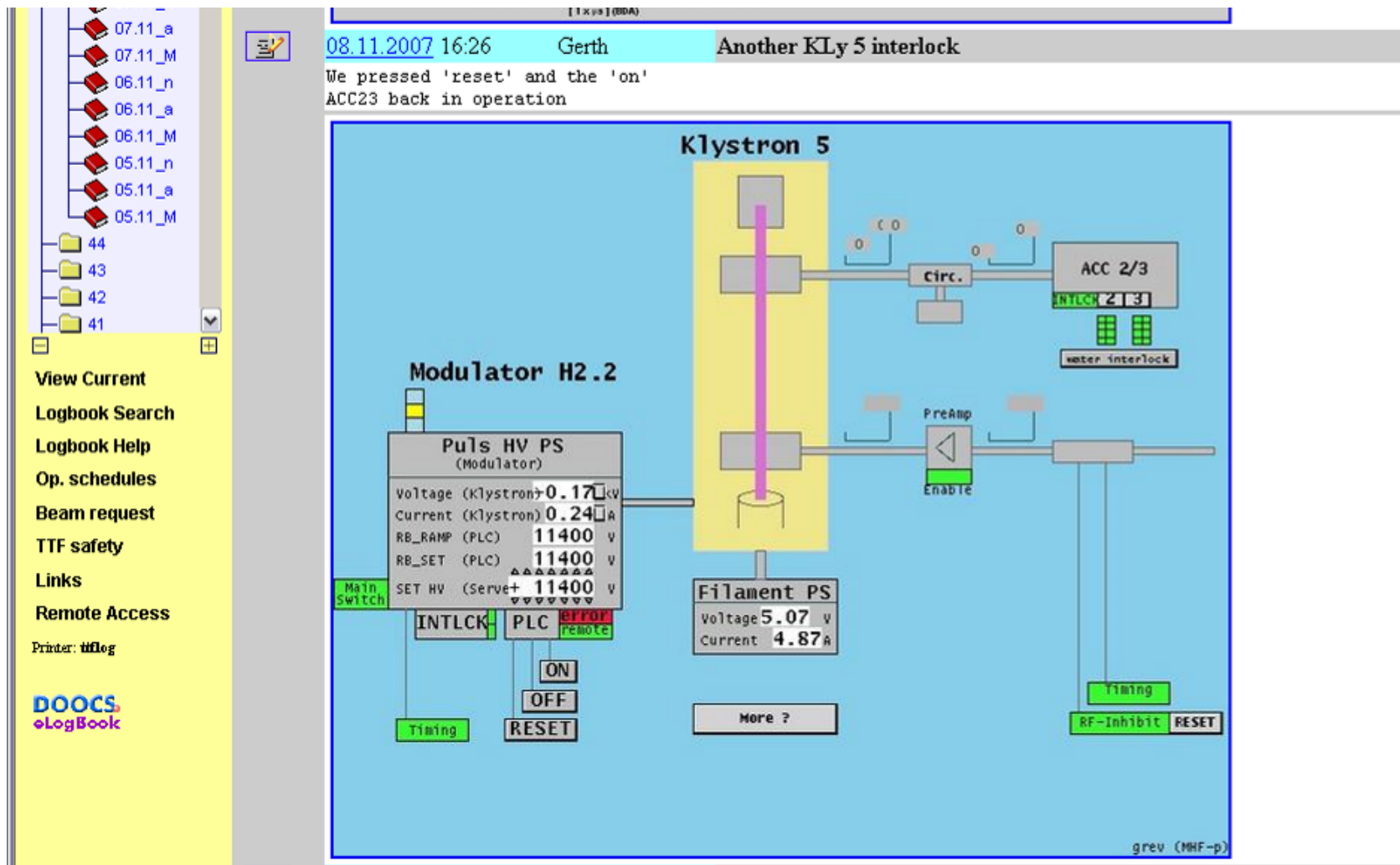
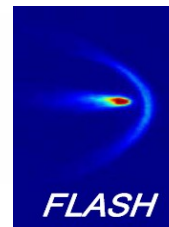
design beam sizes

... schon
besser

08.11.2007 08:36 ttflinac



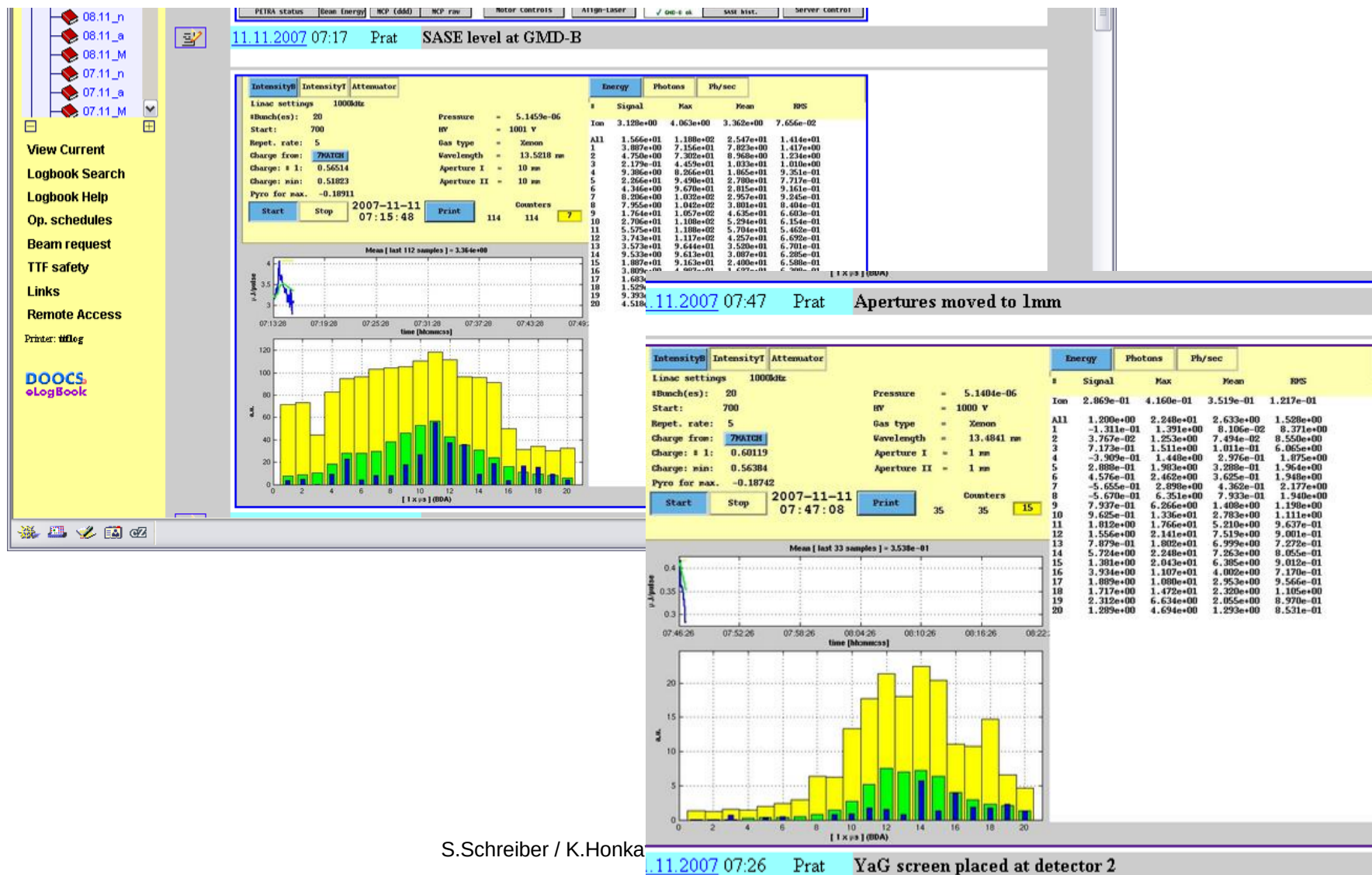
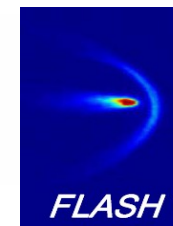
Zweites Beispiel





HELMHOLTZ
GEMEINSCHAFT

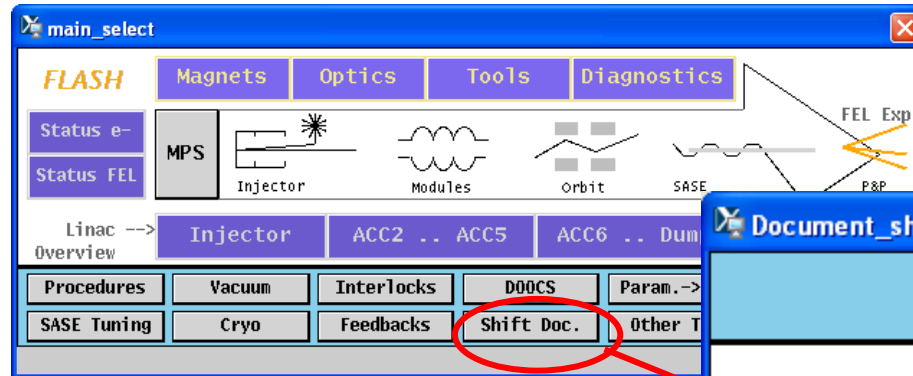
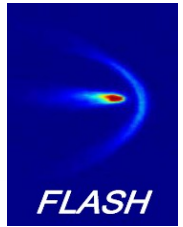
Beispiel von SASE Einträgen



S.Schreiber / K.Honka



Dokumentation des Maschinenstatus



Am Anfang jeder
Schicht

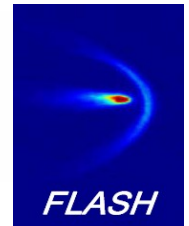
Document_shift

Shift documentation
Proposal for logbook prints

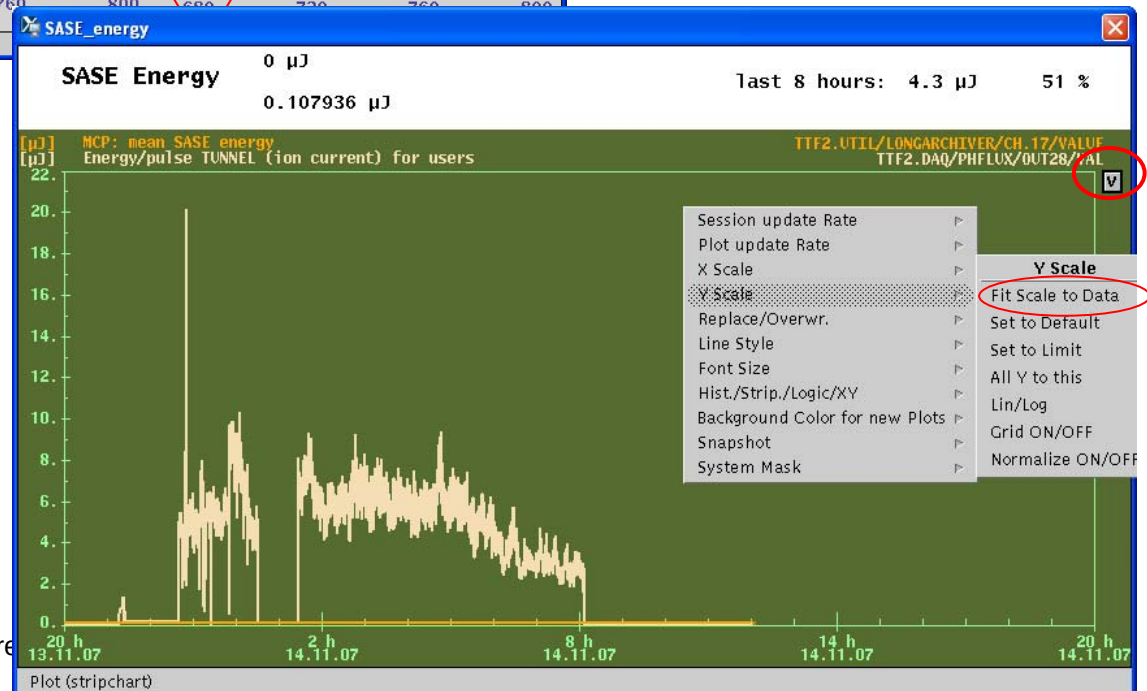
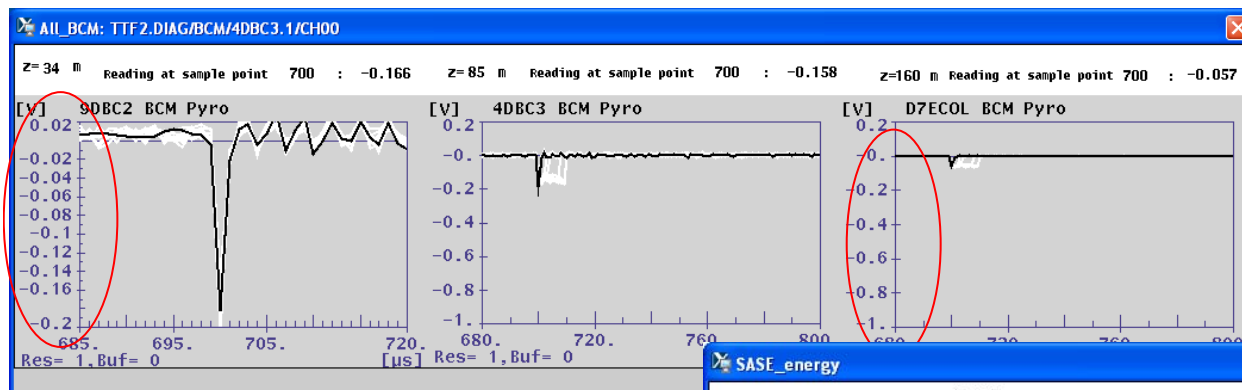
1. Main linac parameters:	Main linac parameters -> log	
2. SASE tuning parameters:	SASE tuning parameters -> log	
3. Magnet cycling status:	in FEL mode	in bypass mode
4. Undulator beam loss:	BLMs UND1-3	BLMs UND4-6
5. Undulator dose:	Dose @ Und.	
6. Transmission:	Transmission	
7. Compression:	All pyro	old
8. Energy	Energy (dogleg)	Energy (bypass)
9. SASE history:	SASE hist.	... and Slow Feedback



Oft müssen Achsen skaliert werden

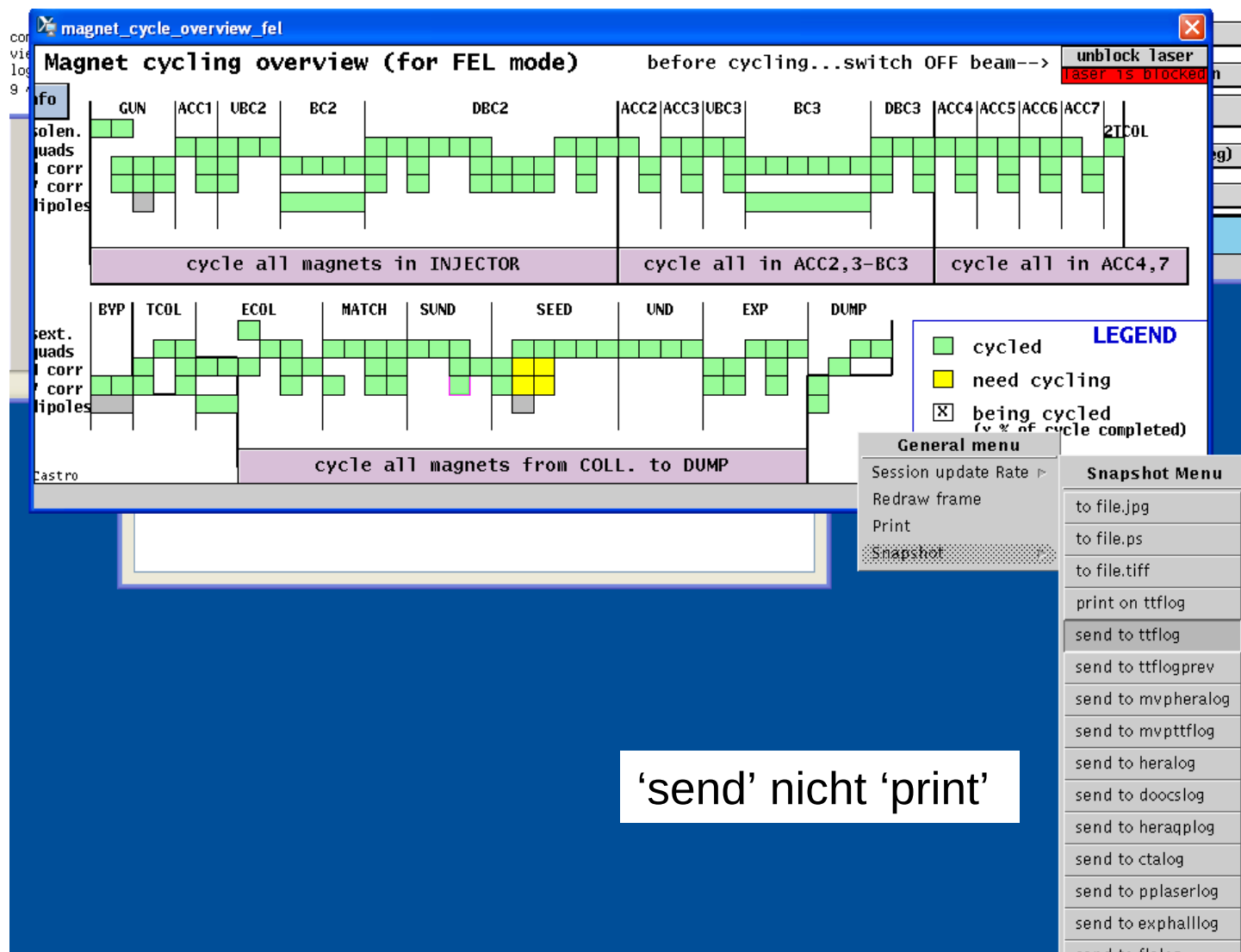
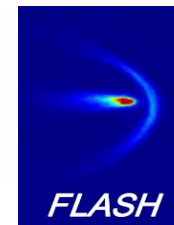


Vor dem Drucken Achsen skalieren,
Beschriftung sichtbar machen





Immer 'send to ttflog' benutzen



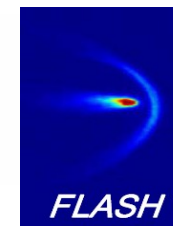
'send' nicht 'print'





HELMHOLTZ
GEMEINSCHAFT

Neuigkeiten



TESLA Test Facility

FLASH Status: PG beamline commissioning 12.11.07 17:47
last 8 hours: 0.5 nC; 62.70% ACC1: 128.5 MV/m; 64.39 % SASE: 0 μ J; 0 %
News: Mail to expert reworked [Access requests-Maintenance Tue Nov-13](#) [Machine improvement list](#)

TTF Logbook Monday 12. Nov
shift summary
Tech. Coordinator

TESLA Test Facility
FLASH Status: PG beamline commissioning 12.11.07 17:52
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TTF Logbook News

03.11.2007 15:55 Schreiber, Kammering Mail to expert reworked

The since years past due cleaning up and comparison between phone and mail to expert list has been done now!
If you notice any errors or missing people/topics etc., please let us know!

31.10.2007 14:17 Thomas Bruns New Matlab Version

New Matlab Version 2007b (7.5) installed. You can invoke it via 'matlab2007'. On Solaris only 64-bit Matlab is available, so new ttfr/w are needed.
New feature: C code generation from embedded Matlab functions directly at the matlab command line.

25.10.2007 Thomas Bruns Disk usage for ttflinac home directory

(112 GB) were 'beamimages' subdirectory
to an bigger file server and created a link.
free).

TTF Logbook News

new

03.12.2007 10:41 Thomas Bruns Reboot for the BKR consoles for ttflinac enabled

Since some operators are simply disconnecting the power from running BKR consoles which can damage the file system, I allowed ttflinac user to reboot all BKR Sun machines (ttfbkrl-8) via sudo. So the command is

ttfbkr6(ttflinac)1: **sudo reboot**

and than ttflinac password is needed.

Please use this command instead of simply switching off/on a running system!

03.11.2007 15:55 Schreiber, Kammering Mail to expert reworked

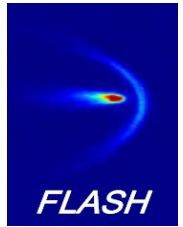
The since years past due cleaning up and comparison between phone and mail to expert list has been done now!
If you notice any errors or missing people/topics etc., please let us know!

beamimages 103.6 GB

modes 64.8 GB



Verbesserungsvorschläge



TESLA Test Facility

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TESLA Test Facility

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TTF Logbook
Operation
new

07.11.2007 14:32 S. Schreiber email Liste
Synchronizationslaser -> Axel Winter
This elogbook entry was send to following experts:
Kammering

07.11.2007 12:45 S. Schreiber elogbook: search
search: Severity: 'Wow' is missing in the search criteria selection
This elogbook entry was send to following experts:
Kammering

16.10.2007 19:58 S. Schreiber my notes from the operator tutorial
Tutorial 9-Okt-2007

- entladen kly2/3: muss man wirklich bis 0 V warten oder reicht es auch bei ~20 zu stoppen?
- llrf/kly: vereinfachung der Bedienung:
.HV auf Setzwert automatisch? FSM?
.unterscheidung techn. Interlock/kly interlock
.vorverstärker: sind die status anzeigen angeschlossen?
.kann die llrf den status des kly mit beruecksichtigen?
-was ist mit SF6? wer ist zuständig? woran erkennt man das?
-kann man typische Druckwerte angeben? und Zettel hinhaengen?
-Hauptschalter kennzeichnen. Wie resettet man ihn?
-was ist der Contactor? warum wir er immer rot?

-koennen wir alle Magnete abdecken?
-HV der PMs (Lars) muessen ins Notaus
-gibt es noch die Notaus-Anrufliste?
-gibt es noch Strickstoffleitungen? Wo? Laser?

10-Okt-2007

- standard cycling panel:
.Magnete muessen erst angeschaltet werden, bevor gecycelt wird
.Falls Magnte zu Nullfeld gecycelt werden, werden die Felder grau und man kann den cycling status nicht erkennen

- panel editor:
sollte moeglichst ueber Ben gehen

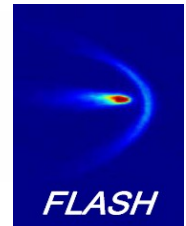
View Current
Logbook Search
Logbook Help
Op. schedules
Beam request
TTF safety
Links
Remote Access
Printer: ttflog
DOOS
oLogBook

<http://ttfinfo.desy.de/elog/servlet/XMLlist3?file=/TTFelog/data/doc/Improvements&xsl=/elogbook/xsl/elog-ttf-wiki.xsl&picture=true>

Other Persons



Zugangswünsche



TESLA Test Facility

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TTF Logbook Monday 12. November 2007 Afternoon
shift summary
Tech. Coordinator Run Coordinator(s) Operators Other Persons
* Schreiber, Siegfried * Prat, Eduard
* Knaack, Klaus
* Fischer, Horst

TESLA Test Facility

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TTF Logbook Access-Requests
new 29.10.2007 17:00 Klose Access requests-Maintenance Tue Nov-13
Next access to FLASH: Tue Nov-13
Please, put your access request to the table below
03.08.2005 16:00 Klose Access/Maintenance requests/Requests
Please do not alter the entries above (like author, date, keyword etc.). Just add your request to the list. You will be informed when access takes place. Don't delete any entry - after a successful access, please ask the operator to delete your request or delete it yourself (but just the line!).
requests for the next maintenance day (usually Tuesdays)!!
access request (not maintenance day)!!

Name	phone	duration	ZZ/open	nb persons	preferred date	what to do	comment
MHF-P	(9)2869	8h	.	.	every Tuesday	Maintenance for the modulators (7.00-15.00)	
T. Vielitz	4531	0.5h	ZZ	2	every week	Change undulator TLDs	
J. Eschke	3774/3010	0.5h	ZZ	2	every week	cryo inspection round	
J. Thomas	94901	4h	ZZ/open	2	every week	work on EBPM/BAM controller	
V. Arsov	1796	5h	ZZ/open	2	13.11.	Alignment of EO-setup, Ti:Sa laser	
K. Witt	4043	5h	ZZ/open	2	13.11.	Interlock connection at the side of the EO-setup (142 m)	

TESLA Test Facility

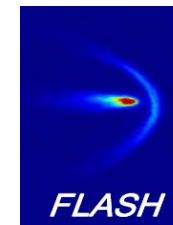
FLASH Status: PG beamline commissioning 12.11.07 17:52
last 8 hours: 0.5 nC; 61.65% ACC1: 128.5 MV/m; 63.68 % SASE: 0 µJ; 0 %
News: Mail to expert reworked [Access requests-Maintenance Tue Nov-13](#) [Machine improvement list](#)

Severity: TODO **Author:** Klose
Date: 03.08.2005 **Time:** 16:00:00
Keyword: Pers-Interlock **Location:** not_set
Title: Access/Maintenance requests/Requests
Please do not alter the entries above (like author, date, keyword etc.). Just add your request to the list. You will be informed when access takes place. Don't delete any entry - after a successful access, please ask the operator to delete your request or delete it yourself (but just the line!).
Text: !!requests for the next maintenance day (usually Tuesdays)!!
!!access request (not maintenance day)!!
Name	_phone_	_duration_	_ZZ/open_	_nb persons_	_preferred date_	_what to do_	_comment_
MHF-P	(9)2869	8h	.	.	`every Tuesday`	Maintenance for the modulators (7.00-15.00)	
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K. Witt	4043	5h	ZZ/open	2	13.11.	Interlock connection at the side of the EO-setup (142 m)	
File Upload
Choose image file (allowed Mime-Types: jpeg, gif, tiff, eps, ps, pdf, rs)
Mail to Experts
Topic: General_safety_FLASH_Linac Experts: Weise, Hens (TTF/FLASH accelerator (MIN))
Petersen, Bernd (Cryogenic, Cleanroom, Chemistry, L
Zapfe, Kirsten (Oven (MVS))
Choroba, Stefan (HF sender (MHF-p))
Proch, Dieter (Cavity-teststands Tuning-Laboratory (M
Jensen, Jens-Peter (Magnet power supplies (MKK))
Sparr, Burghard (Overall area work, Hall engineer (ME
Wroblewski, Thomas (FEL-Hall (Geb. 28c) (HASYLAB
Wiki markup help: *# = unnumbered/numbered list, | = table/column, _/ = bold/italic, /! = heading1/heading2, ---- = hor. line, http, https, ...
Applet SpellCheckApplet started



HELMHOLTZ
| GEMEINSCHAFT

Dokumentation



TESLA Test Facility

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News: Mail to expert reworked Access requests-Maintenance Tue Nov-13 Machine improvement list

TTF Logbook Monday 12. November 2007 Afternoon [prev](#)

shift summary

Tech. Coordinator	Run Coordinator(s)	Operators	Other Persons
	* Schreiber, Siegfried	* Prat, Eduard * Knaack, Klaus * Fischer, Horst * Seebach, Michael	

Photon coordinator(s): *
Photon Operators: *

Goal: * PG beamline commissioning

Achievements
Difficulties
Comments for next shift
Summary from FEL users

Operation statistics:
Don't forget to fill out the operation times

new 12.11.2007 17:47 S. Schreiber laser on virt
iris 2.0 mm
I finished for today.

LASER
Info: online TCP: disconnected Camera:

View Current
Logbook Search
Logbook Help
Op. schedules
Beam request
TTF safety
Links
Remote Access
Printer: ttflog

DOOCS eLogBook

Applet treeApplet started

S.Schreib

TESLA Test Facility

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TTF Logbook **Sub Systems**

new [new](#) [prev](#)

Tests
Cameras
Cathodes
ORS
FaradayCups
Feedbacks
Bunch Compressors
HOMs
CRD
Vacuum
WireScan
LOLA
Laser

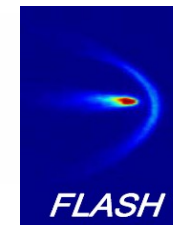
View Current
Logbook Search
Logbook Help
Op. schedules
Beam request
TTF safety
Links
Remote Access
Printer: ttflog

DOOCS eLogBook

Done



Unterlagen zur Sicherheit



**TESLA
Test
Facility**

FLASH Status: PG beamline commissioning 12.11.07 18:12
last 8 hours: 0.5 nC; 62.29% ACC1: 128.5 MV/m; 61.20 % SASE: 0 μ J; 0 %
News: Mail to expert reworked Access requests-Maintenance Tue Nov-13 Machine improvement list

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TTF Logbook Monday 12. November 2007 Afternoon **prev**

shift summary

Tech. Coordinator Run Coordina
* Schreiber, Sie

Photon coordinator(s) Photon Opera
* S. Duesterer 1570 * N. Guerassim
(1523)

Goal * PG beamline

Achievements

Difficulties

Comments for next shift

Summary from FEL users

Operation statistics:
Don't forget to fill out the operation times

12.11.2007 18:07 ttfimac

Toroid 3GUN
[nC]
0.8
0.7
0.6
0.5

View Current
Logbook Search
Logbook Help
Op. schedules
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TTF safety
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**DOCS
eLogBook**

**TESLA
Test
Facility**

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TTF / FLASH Safety

Working at the TTF / FLASH requires safety training.

Members of DESY need to listen to the general safety lecture, as well as to the work specific lectures organized by the DESY groups.

Guests (working hands-on) from other institutes need a short lecture about general safety, and have to know about radiation protection directives. The actual work discussed with the DESY supervisor/contact person inviting the guest. The TTF safety instructions should be used to understand possible safety risks at the TTF /

Visitors need a short safety instruction and a personnel guide. They are not allowed to work on the machine.

english version	deutsche Version
Radiation Safety Instructions (talk) 10/2007	Strahlenschutz-Unterweisung (Vortrag) 10/2007
Safety Instructions for Working in Controlled Areas	Sicherheitsunterweisung für Arbeiten in Kontrollbereichen
General Safety Instructions	Allg. Sicherheitshinweise
	Unterweisung allg. Sicherheit (Vortrag) 8/2005
	Photon Diag. Sicherheit (Vortrag) 8/2005
DESY Safety Information for Visitors & Contractors	Sicherheitsinformationen fuer Besucher und Gaeste
Briefing form for visiting the tunnel	Kurzunterweisung fuer Besucher des Tunnels
	allg. Strahlenschutzunterweisung (D3)
	allg. Sicherheitsunterweisung (D5)

Search Procedure TTF/FLASH for operators / Absuche des TTF Tunnels	PPT files der Unterweis
Search procedure (english) Tunnelsuche (german)	TTF-Sicherheitsunterw
Search procedure short version (german and english)	TTF-FLASH-StrahlenschutzUnterw
Absuchplan: Lage der Absuchknoepfe	TTF-Photondiag-Unterv
Absuche FBD Gebiet (Deutsch)	
Beschreibung des Personeninterlocksystems FLASH (Deutsch)	Safety Organi

View Current
Logbook Search
Logbook Help
Op. schedules
Beam request
TTF safety
Links
Remote Access
Printer: ttflog

**DOCS
eLogBook**