

PITZ Run Coordination Meeting

03.07.2014

Plans for Weeks 26

- T-Combiner conditioning:
 - Try 800 us @ 5 MW?

to do:	T-comb. Test Stand Operation						
Week 26	Mon Jun-23	Tue Jun-24	Wed Jun-25	Thu Jun-26	Fri Jun-27	Sat Jun-28	Sun Jun-29
Morn. 7:00 to 15:30	Otevrel	Otevrel Rublack	Shutdown Otevrel Rublack	Otevrel Rublack	Otevrel Rublack	Otevrel Rublack	Otevrel Rublack
Late 15:00 to 23:30	Conditioning			Automatic Conditioning	Automatic Conditioning	Automatic Conditioning	Automatic Conditioning
Night 23:00 to 7:30	Automatic Conditioning	Automatic Conditioning	Automatic Conditioning	Automatic Conditioning	Automatic Conditioning	Automatic Conditioning	Automatic Conditioning
Resp. Phys	Otevrel	Otevrel	Otevrel	Otevrel	Otevrel	Otevrel	Otevrel
Laser							
RF							
Vaku.							
Contr.							
Electr.							
Infrast.							
SSB							
Schichtabsich	Khojuyan	Khojuyan	Vashchenko	Vashchenko	Gross	Gross	Gross
Issued on 03-Jun-2014			A gray field means the status has changed since the last version				

Problems:

- RF2 phase shifter still doesn't work, not yet solved.
- New load brings a lot of spark detector IIs (WG1 circulator).
- At some point after the installation of the new lot the frequency of the spark IIs was increased, stable run conditions went worse so that it was necessary continuously decrease RF pulse duration.
- LLRF machine (vmepitz22) malfunctioning – appeared and solved on Monday, vector modulator offset was readjusted consequently.
- SF6 was exchanged with the hope to get reduction of spark IIs – helped, but not completely.

Achievements:

- Conditioning at more than 5 MW power with the new load.

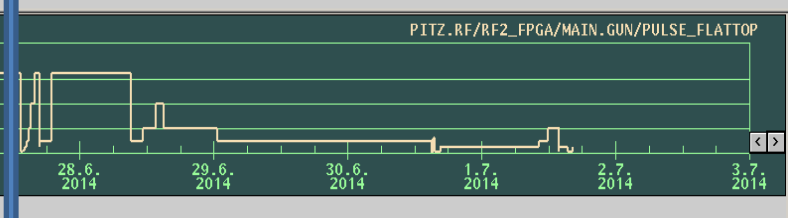
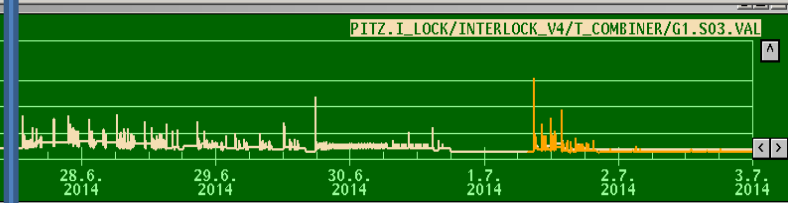
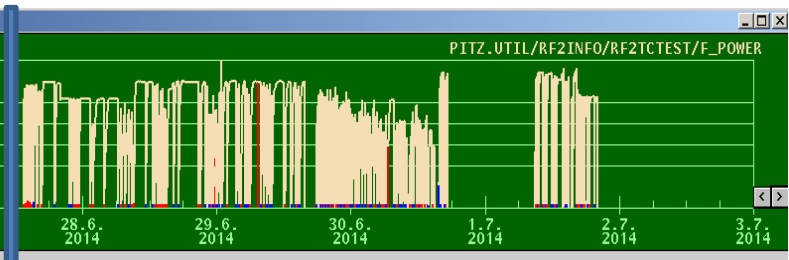
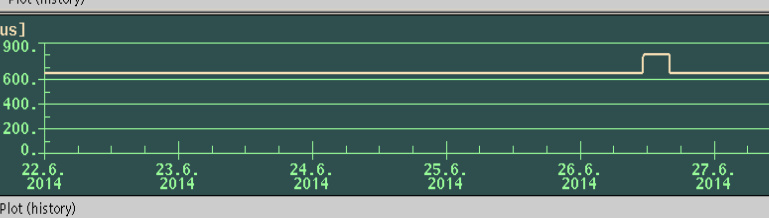
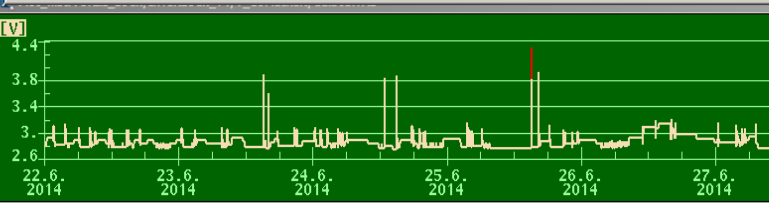
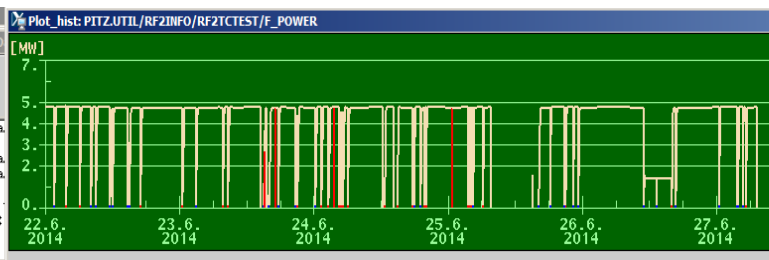
```
xterm
For hints, questions and problems related
>>> Your ifh_de AFS token is going to expire
>>> No AFS token! <<<

[ 14-07-02 17:39 pi4-vnd ] /afs/ifh.de/gro
[ 14-07-02 17:39 pi4-vnd ] /afs/ifh.de/gro
[ 14-07-02 17:39 pi4-vnd ] /afs/ifh.de/group/pitz/data.
gryvash@IFH.DE's Password:
[ 14-07-02 17:39 pi4-vnd ] /afs/ifh.de/group/pitz/data.
[ 14-07-02 17:39 pi4-vnd ] /afs/ifh.de/group/pitz/data.
All pty's in use
System warning: No such file or directory, extras menu
EdSession::import_comp: components read = 1, from:
Screen size = 1920 * 1140
FILE pos:156; 224
SCREEN pos:156; 224
EdSession::import_comp:
FILE pos:382; 630
SCREEN pos:384; 630

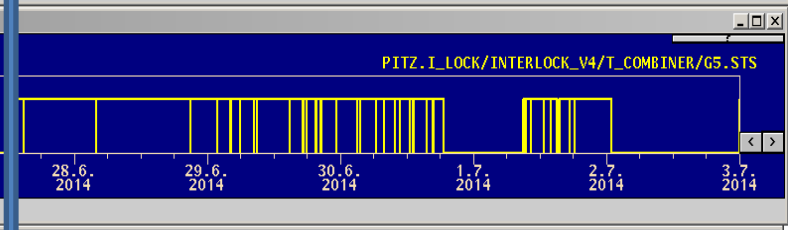
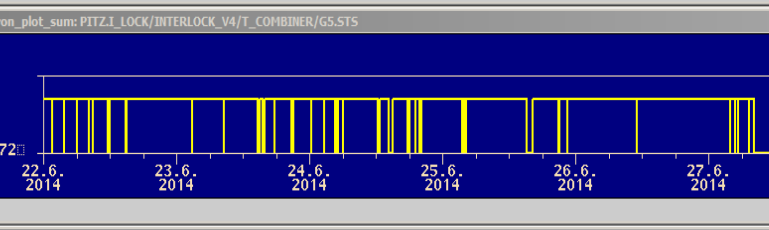
PITZ Cont
01.Jul - Texlive
04.Jul 10:30 Belegs
04.Jul 16:00 S, Rae
07.Jul 16:00 G, Endt
08.Jul 10:00-14:00 I

overview
adc module
beam inhibit
FSM
DAQ
diagnost
interlo
Tacor beam

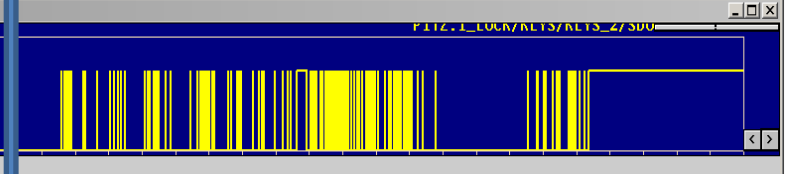
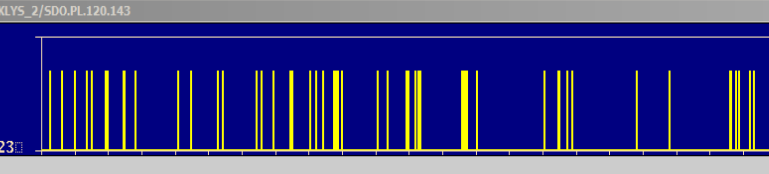
Update: [ ] Norm Fast Slow
```



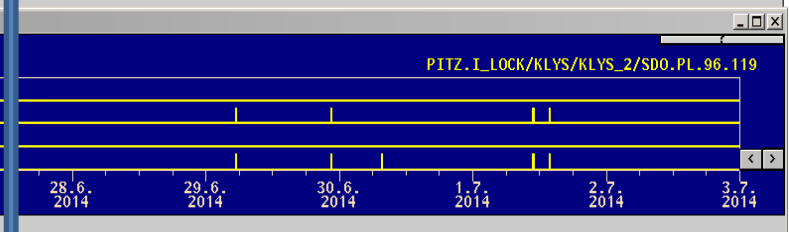
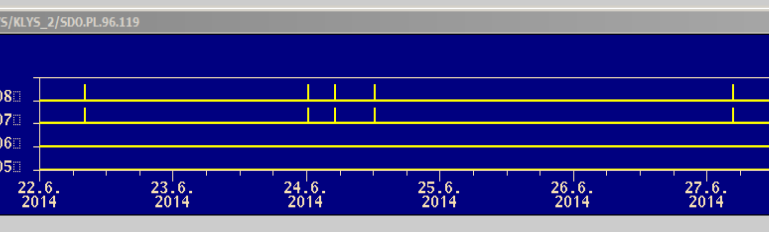
```
PITZ RF-GUN CONTROL PANEL
SET POINT
SP Pfor + 5.000
SP Phase + 50.000
Ph. Offset + 110.000
```



```
Interlock flags (OK = Null)
Intlk Spark Det ..... 123
```



```
PITZ INTERLOCK BIT HISTORY
In [interlock flags (OK = Null)]
Pwr Circ Pwrmeter WG2 ref1 Max . 108
Pwr Circ Pwrmeter WG1 ref1 Max . 107
Pwr Klys Pwrmeter WG2 ref1 Max . 106
Pwr Klys Pwrmeter WG1 ref1 Max . 105
```



New load is installed

Plans for Weeks 27

- Continue T-Combiner conditioning with the old load

to do:	T-comb. Test Stand Operation						
Week 27	Mon Jun-30	Tue Jul-01	Wed Jul-02	Thu Jul-03	Fri Jul-04	Sat Jul-05	Sun Jul-06
Morn. 7:00 to 15:30	Gross	Gross Rublack	Khojoyan Rublack	Khojoyan Good	Khojoyan Good	Khojoyan Good	Khojoyan Good
Late 15:00 to 23:30	Automatic Conditioning	Automatic Conditioning	Automatic Conditioning	Automatic Conditioning	Automatic Conditioning	Automatic Conditioning	Automatic Conditioning
Night 23:00 to 7:30	Automatic Conditioning	Automatic Conditioning	Automatic Conditioning	Automatic Conditioning	Automatic Conditioning	Automatic Conditioning	Automatic Conditioning
Resp. Phys	Gross	Gross	Khojoyan	Khojoyan	Khojoyan	Khojoyan	Khojoyan
Laser							
RF							
Vaku.							
Contr.							
Electr.							
Infrast.							
SSB							
Schichtabsich	Malyutin	Malyutin	Malyutin	Rublack	Rublack	Otevrel	Otevrel

T-Combiner conditioning