



Dump the eLogbook from the date:  to the date: 



MERIT [Sunday 07-Oct-2007 Night]

#	Time	Comments
1	20:00	created by oliveira on abpcl18

MERIT [Monday 08-Oct-2007 Day]

#	Time	Comments
1	08:00	Tst new elogbook carlos created by adeop on cwo-193-ad4

MERIT [Monday 15-Oct-2007 Day]

#	Time	Comments
1	10:00	Pump moved on left side of dump out of range of strong magnetic field. (AF) created by cpsop on cwo-ccc-b71c
2	11:36	After sudden cool-down, the heater force was increased to (10V/1.1A, 70V/1.7A). Temperatures stabilizing at 20 degC to 25 degC. Reason for cool-down not understood. (AF) created by cpsop on cwo-ccc-b71c

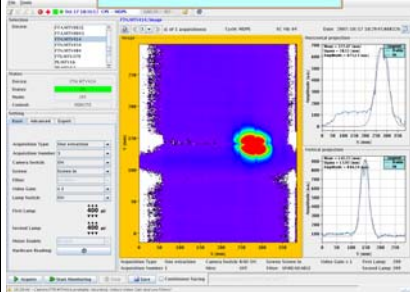
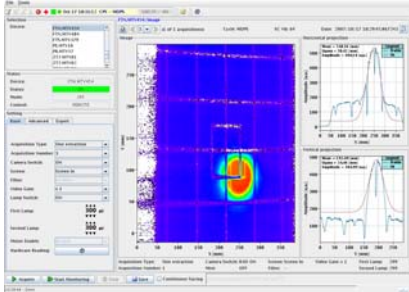
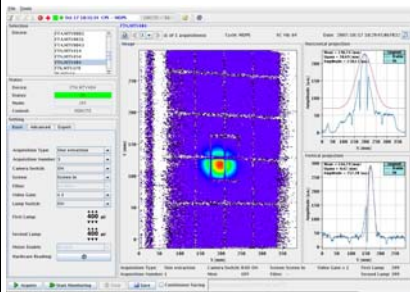
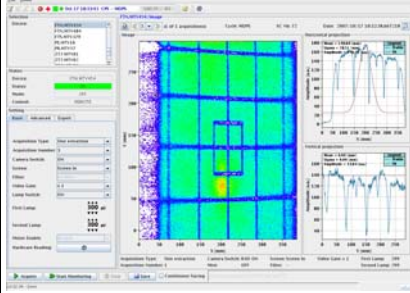


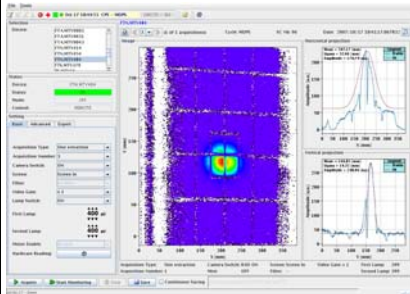
MERIT [Tuesday 16-Oct-2007 Day]

#	Time	Comments
1	08:00	created by merit on PCSLEA27
2	15:41	I am in. (AF) created by merit on PCMERIT03
3	15:48	13:30-14:00 Preparatory discussion O. Pavlov, F. Haug, A. Park, A. Fabich, H. Park, H. Pereira, P. Silva Agenda: - AT/ECR to AB/PO interlock operational? - current/time limits during the test - synchronize power cycle with mercury loop - put EMD107*49 into consignment after tests - Put a note on the power supply telling that ONLY AB/PO (names G. Le Godec) is allowed to give instructions on changing the status of the power converter (e.g. local to remote, Off to ON etc.). 14:15 AT/ECR interlock to AB/PO verified. 14:20 external fault to power supply removed by CC (set of security chain) 14:23 manual override of AT/ECR interlock, which occurs because of solenoid not fully empty (~12%) 14:32 200 A powering started 14:34 forgot to empty cryostat first. Emptying started. 14:35 AT/ECR interlock on AB/PO. 200 A test stopped.

		14:38 Cryostat empty. No more AT/ECR interlock. 200A test restarted. created by merit on PCMERIT03
4	15:50	AB/PO will finish test at 200A in about 20 minutes from now. created by merit on PCMERIT03
5	16:28	400 A applied. Cryo temperature about 90 K. dT=0.5 K/min created by merit on PCMERIT03
6	16:32	700 A applied. Cryo temperature about 95 K. dT=2 K/min created by merit on PCMERIT03
7	16:35	1000 A applied. Cryo temperature about 100 K. dT= 3 K/min created by merit on PCMERIT03
8	16:37	110 K reached. Power supply stopped. AB/PO tests stopped. Success!!! created by merit on PCMERIT03
9	16:38	Cooling cycle initiated. created by merit on PCMERIT03
10	16:42	Ilias, thanks for the logbook. Very nice. Also thanks to Carlos. created by merit on PCMERIT03
11	16:54	Temperature recording by AT/ECR. <div data-bbox="288 712 726 1008" data-label="Figure"> <p>200710071656.png</p> </div> <div data-bbox="979 1052 1436 1086" data-label="Text"> <p>created by merit on PCMERIT03</p> </div>

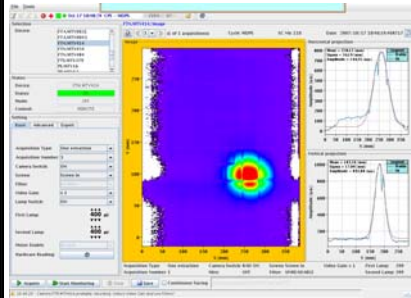
MERIT [Wednesday 17-Oct-2007 Day]

#	Time	Comments
1	09:25	Start beam commissioning... created by cpsop on cwo-ccc-b71c
2	09:27	Uli to check the BCT settings, HeeJin will eventually need some triggers to read the fiber, Marcus is here at the CCC, Hugo for the cryo is notified, Pierre and Paolo as well. No current created by cpsop on cwo-ccc-b71c
3	09:32	Beam setting with PSB-MD3 --> PS-MDPS, 14 GeV/c beam with 4 bunches at extraction, free to choose the configuration and beam intensity. created by cpsop on cwo-ccc-b71c
4	09:43	MDPS cycle as bp15/18. created by cpsop on cwo-ccc-b71c
5	10:10	<div data-bbox="288 1574 491 1702" data-label="Figure"> <p>200710071011.png</p> </div> <div data-bbox="550 1574 992 1702" data-label="Figure"> <p>200710071011.png</p> </div> <div data-bbox="1005 1574 1417 1702" data-label="Figure"> <p>200710071017.png</p> </div> <div data-bbox="288 1753 699 2045" data-label="Figure"> <p>200710071017.png</p> </div> <div data-bbox="710 1753 1120 2045" data-label="Figure"> <p>200710071018.png</p> </div>

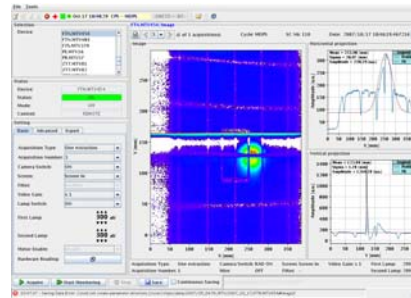
			created by cpsop on cwo-ccc-b7lc
6	10:21	Change DVT151 current to 16A (was 13 A)	created by cpsop on cwo-ccc-b7lc
7	10:30	Second shot with correct F16 beam line currents.	
		 200710071031.png	 200710071031.png
		 200710071031.png	
			created by cpsop on cwo-ccc-b7lc
8	10:33	Rende: apply settings for LHC beam extraction. Very little beam in FTN screens.	
		 200710071033.png	
			created by cpsop on cwo-ccc-b7lc
9	10:40		
		 200710071044.png	 200710071045.png
		 200710071045.png	

created by [cpsop](#) on [cwo-ccc-b71c](#)

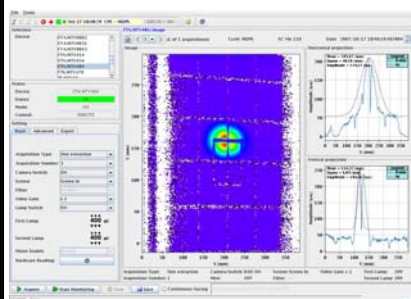
Change trim F16.DVT353 to 5.10A, was 1.01A



200710071048.png



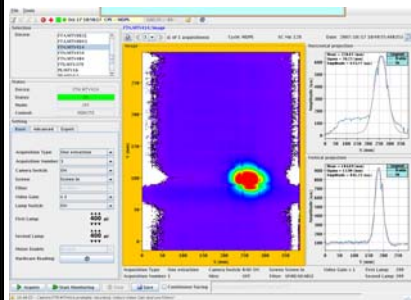
200710071048.png



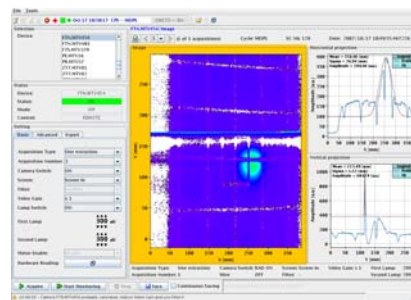
200710071048.png

created by [cpsop](#) on [cwo-ccc-b71c](#)

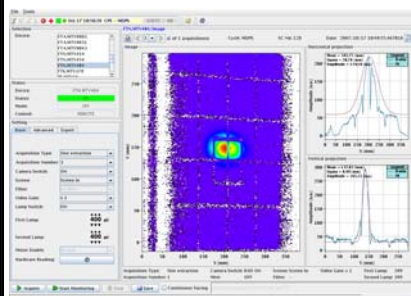
Set FTN.DVT451 to 5.0A, was 13.0



200710071050.png



200710071050.png

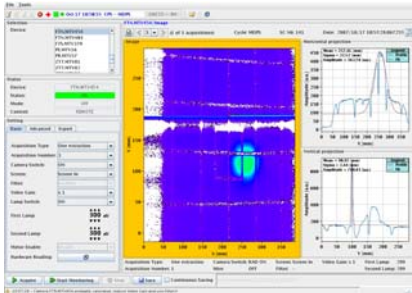
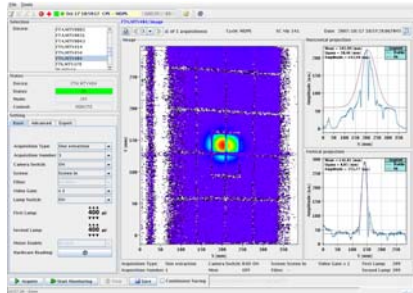
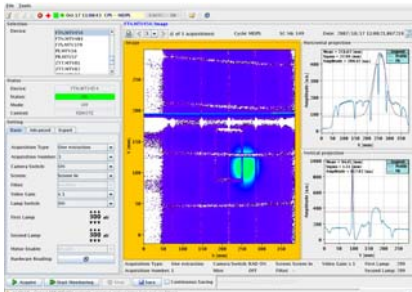
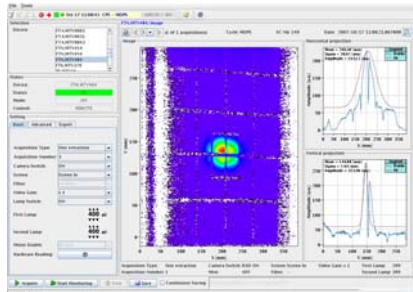
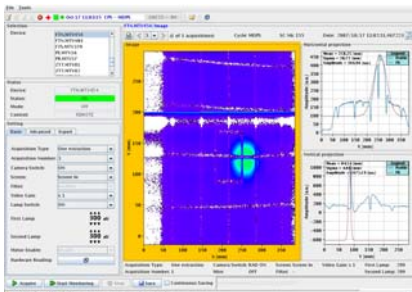
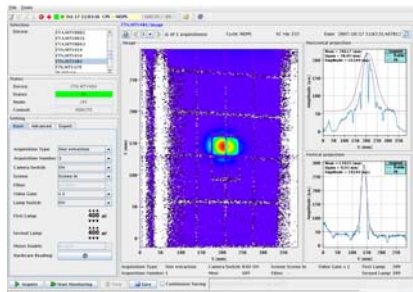



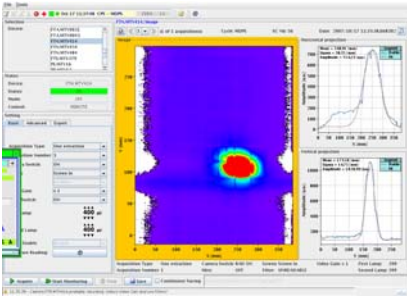
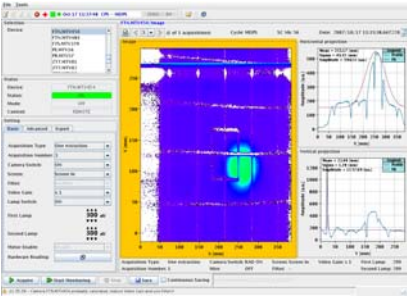
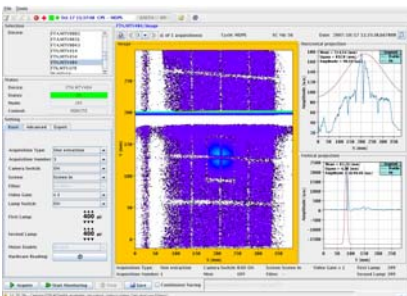
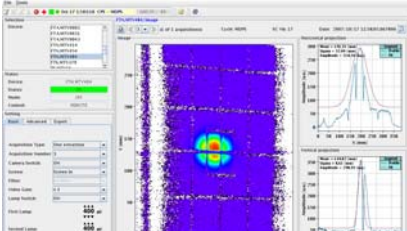
200710071050.png

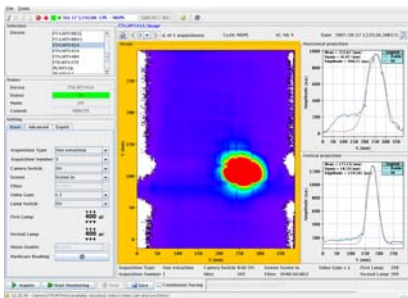
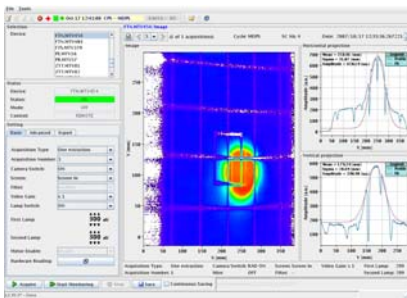
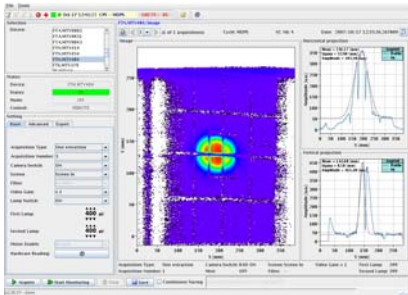
created by [cpsop](#) on [cwo-ccc-b71c](#)

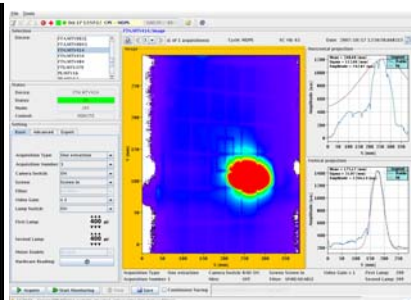
set FTN.DVT451 to 2.0A



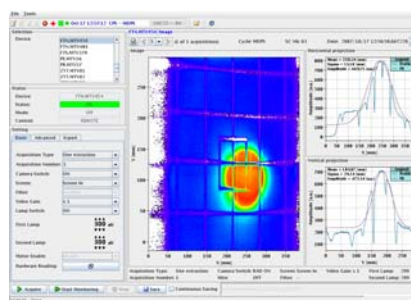
		200710071055.png	200710071055.png 200710071055.png
12	10:53		<i>created by cpsop on cwo-ccc-b7lc</i>
13	10:56	set FTN.DVT353 to 4.0Aps and DVT.451 to 5Aps	  200710071059.png 200710071059.png <i>created by cpsop on cwo-ccc-b7lc</i>
14	10:59	set DVT.451 to 0.0 Amps	  200710071100.png 200710071100.png <i>created by cpsop on cwo-ccc-b7lc</i>
15	11:01	set DVT.353=6.0Amps, DVT.451=-2.0A	  200710071103.png 200710071103.png <i>created by cpsop on cwo-ccc-b7lc</i>
		set DVT.451=-10.0Amps	

		200710071106.png	200710071106.png 200710071106.png
16	11:03		created by cpsop on cwo-ccc-b7lc
17	11:06	set VT.353=8.0A	created by cpsop on cwo-ccc-b7lc
18	11:08	set DVT.353=6.0A, DVT.451=-13	created by cpsop on cwo-ccc-b7lc
19	11:09		created by cpsop on cwo-ccc-b5lc
20	11:11	DVT451=-17.0	created by cpsop on cwo-ccc-b7lc
21	11:36	Settings: DVT.353=4.0, DVT.451=3.0, BHZ.409=614.7	   
		New settings: BHZ.409=608, DVT.451=3, DVT.353=4	

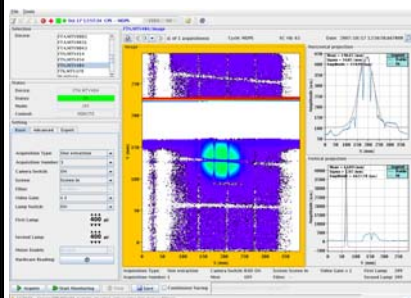
		200710071202.png	200710071203.png 200710071203.png	
22	12:01			created by cpsop on cwo-ccc-b7lc
23	12:06	Use scaled values for QDE.430=183.52 instead of 184.2, rms spot V-plane changed to 7.87 from 8.61		
		created by cpsop on cwo-ccc-b7lc		
24	12:29	Set the steering values for focus at MTV.484. Test with three consecutive bunches at delta-t = 131ns.		
				
		200710071241.png	200710071241.png	
				
		200710071241.png		created by cpsop on cwo-ccc-b7lc
25	12:41			



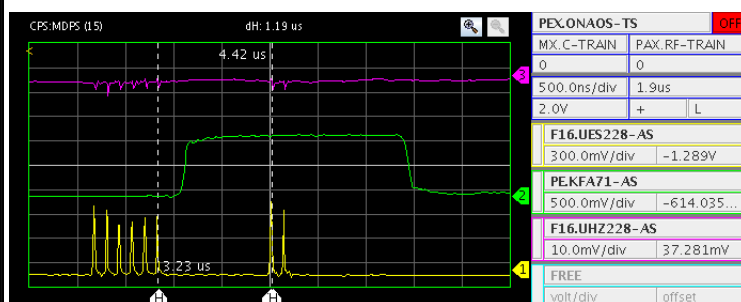
200710071257.png



200710071257.png

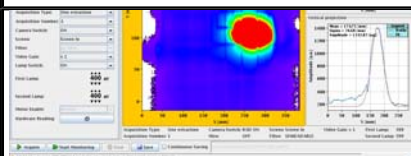


200710071257.png

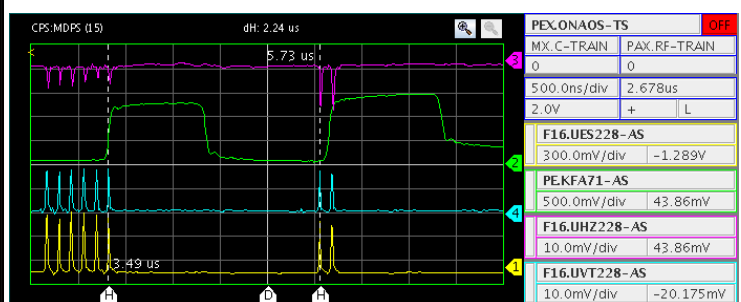


200710071257.png

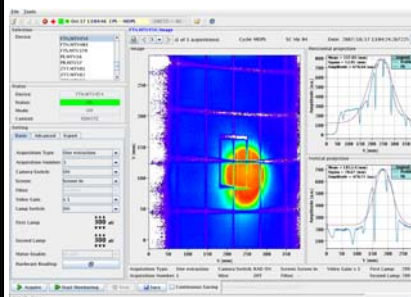
created by [cpsop](#) on [cwo-ccc-b7lc](#)



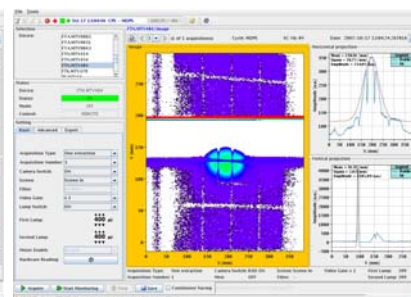
200710071304.png



200710071304.png



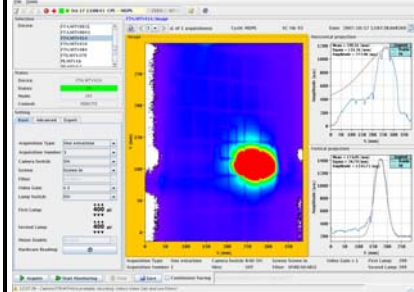
200710071304.png



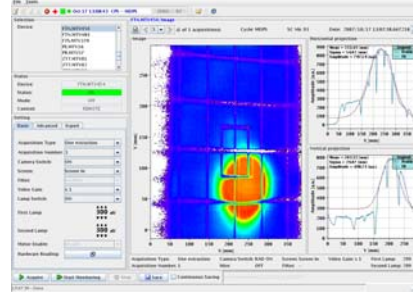
200710071305.png

created by [cpsop](#) on [cwo-ccc-b71c](#)

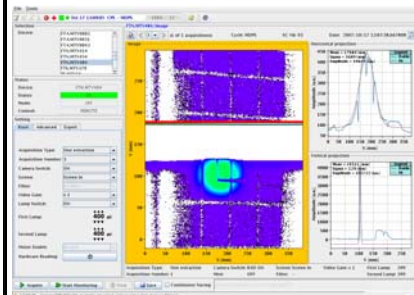
Same configuration with Quad settings for Hg-target focus.



200710071308.png



200710071309.png



200710071309.png

created by [cpsop](#) on [cwo-ccc-b71c](#)

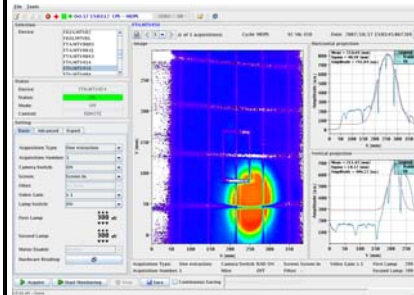
Go back to four bunches 131ns spaced in order to steer the beam into the target.
 QFO.415 = 233.43A, QDE.430= 167.58A, DVT.451=3.0, DVT.353=4.0,
 BHZ.409=608.7A

created by [cpsop](#) on [cwo-ccc-b71c](#)

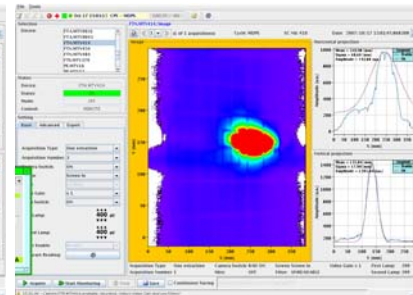
Verify with MTV.374 that the beam is well centered. Leave DVT.353 to zero current!

created by [cpsop](#) on [cwo-ccc-b71c](#)

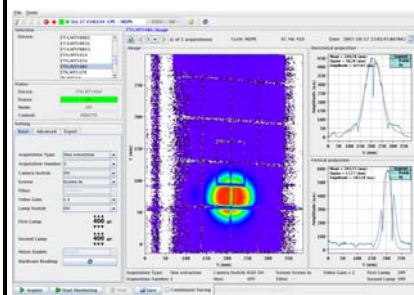
Finished horizontal steering. DHZ.409 set to 620.7A.



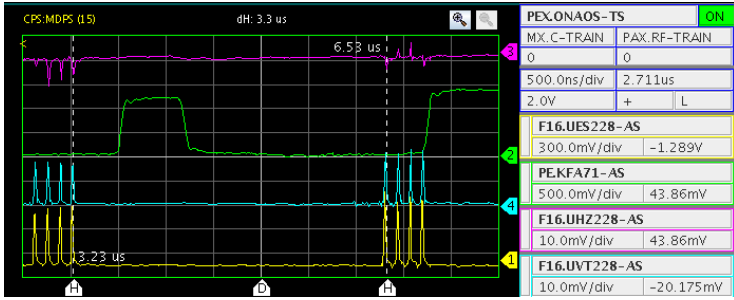
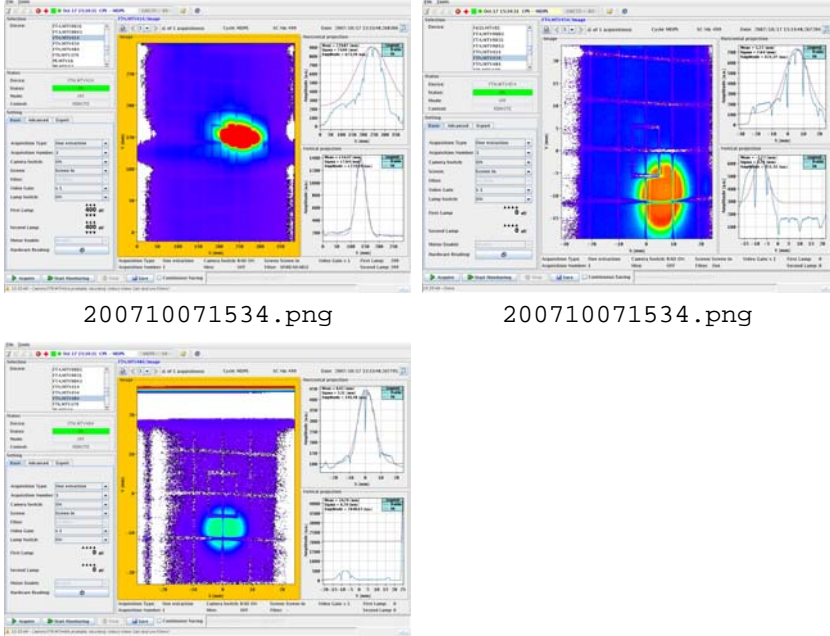
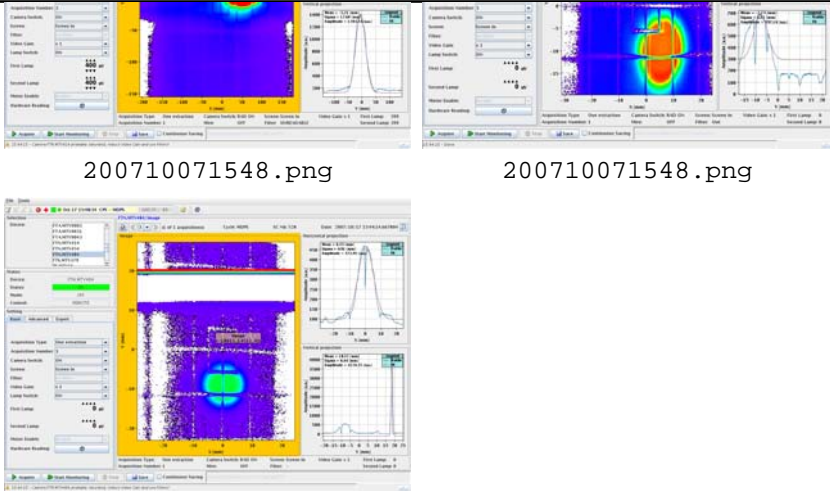
200710071503.png


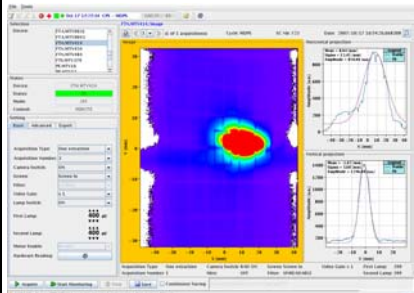
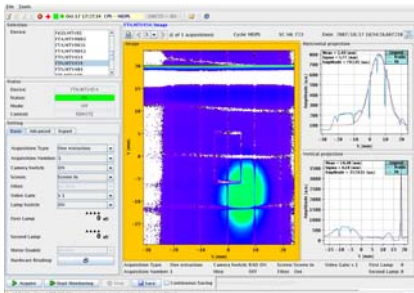
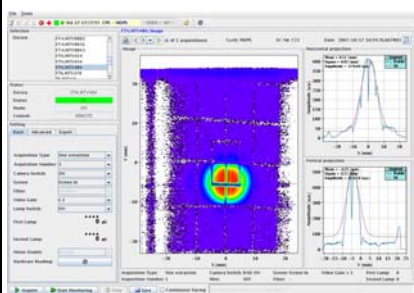




200710071503.png

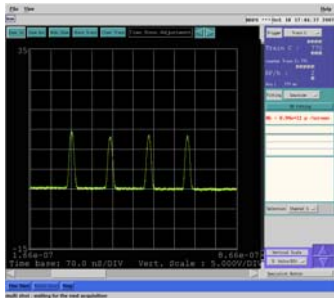



200710071503.png


		created by cpsop on cwo-ccc-b71c
31	15:25	<p>4 bunches PSB.ring3 kicked out with 1st KFA71 pulse, 4 bunches PRB.ring1 kicked out with 2nd KFA71 pulse.</p>  <p>200710071526.png</p> <p>created by cpsop on cwo-ccc-b61c</p>
32	15:30	<p>Calibration for MTV screens changed (MTV.454 and MTV.484)</p> <p>created by cpsop on cwo-ccc-b71c</p>
33	15:34	<p>Test with only first kicker pulse. MTV.484 profile: vertical: -8.22mm, ?? mm sigma, horizontal : 0.55mm, 5.11mm sigma MTV.454 profile: vertical: -7.71mm, 3.1mm sigma, horizontal : 5.72mm, 6.29mm sigma</p>  <p>200710071534.png</p> <p>200710071534.png</p> <p>200710071534.png</p> <p>200710071534.png</p> <p>created by cpsop on cwo-ccc-b71c</p>
34	15:47	 <p>200710071548.png</p> <p>200710071548.png</p> <p>200710071548.png</p> <p>200710071548.png</p>

		created by cpsop on cwo-ccc-b71c
35	16:01	Test with mercury jet and beam. Van prepared a 20m/s jec with 15.2sec delay. The MDPS cycle is in bp.15 which means created by cpsop on cwo-ccc-b71c
36	16:27	Asked Heejin to prepare the optics. He is rebooting the computers but apparently one of them in the tunnel doesn't boot up. Investigating... Attached created by cpsop on cwo-ccc-b71c
37	16:41	4 bunches at 2.5E11 each spaced by 130ns. CSV file from TT2 line pick-up.  4_MERIT_bunches.csv created by cpsop on cwo-ccc-b61c
38	17:25	Another try with the Hg-jet. I moved the steering of DVT.451 to 8.0A. The beam comes, and what a spectacle!!!! A flash and bang the network camera overlooking the mercury jet goes bananas! Marcus claims he shaw a factor 2 increase in the signals but need to investigate if not more.  200710071727.png  200710071727.png  200710071727.png created by cpsop on cwo-ccc-b71c
39	17:32	logging data for today's settings: /acc/java/data/cps/eqpsurvey/MERIT_logging_14.xml_log0  MERIT_logging_14.xml_log0  MERIT_logging_14.xml_log1 created by cpsop on cwo-ccc-b71c



MERIT [Thursday 18-Oct-2007 Day]

#	Time	Comments
1	08:00	Ilias <i>created by cpsop on cwo-ccc-b71c</i>
2	16:14	Access this afternoon to check position of MTV screens. /Results: MTV.454 : entry = 122.9cm, exit = 1203.1cm MTV.484 : entry = 122.7cm, exit = 122.3cm The cameras seem well aligned to the trace in the wall, however they are much higher than the nominal beam position set to 120.0cm!! The trace in the wall was measured to 121.3cm! To be clarified with the geometeters.... <i>created by cpsop on cwo-ccc-b71c</i>
3	16:19	Restarting with beam. PS configuration: 4 bunches, 131ns spacing, total intensity of 2.5e11 per bunch= 1.0e12 total. <i>created by cpsop on cwo-ccc-b71c</i>
4	17:46	Bunches at PS extraction  BSM PS.png <i>created by cpsop on cwo-ccc-b81c</i>
5	17:46	Data log file for the beam parameters  MERIT_logging_14.xml_log1 <i>created by cpsop on cwo-ccc-b71c</i>

MERIT [Friday 19-Oct-2007 Day]

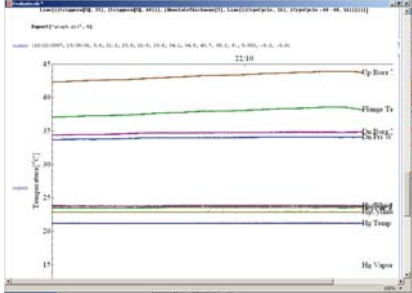
#	Time	Comments
1	08:00	Ilias, Alexei, Marcus on CCC <i>created by cpsop on cwo-ccc-b71c</i>
2	14:36	Ilias: Continue with beam commissioning. Earlier today we had access in the tunnel to verify the vertical alignment of the MTV screens. Measurements done with the water tube: MTV.454 : upstream +4mm , downstream +3mm MTV.484 : upstream +5mm, downstream +4 mm XCOL : upstream +1mm, downstream +2mm MTV.454 (old position) : +1mm <i>created by cpsop on cwo-ccc-b71c</i>
3	14:55	Beam line settings, MDPS beam in bp#12. 


		200710071455.png 200710071456.png <i>created by cpsop on cwo-ccc-b7lc</i>
4	16:02	Ilias + Simone. We believe we understand the issue of vertical misalignment of the beam. In 2005 the TT2 line was re-aligned but not the FTN branch. From the geometers data the corected offset was about 8mm, which is more or less the value we have now! The way out would be to re-steer the TT2 line using DVT.337 and correct with the DVT.451. <i>created by cpsop on cwo-ccc-b7lc</i>
5	16:51	Problems with the beam line magnet FTN.BHZ403. No beam to MERIT. <i>created by cpsop on cwo-ccc-b7lc</i>

Dump the eLogbook from the date:  to the date: 

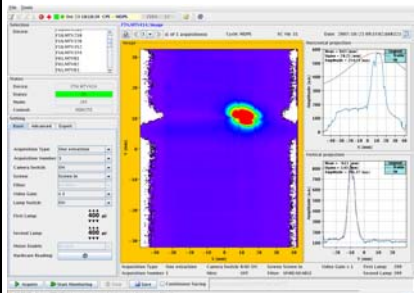
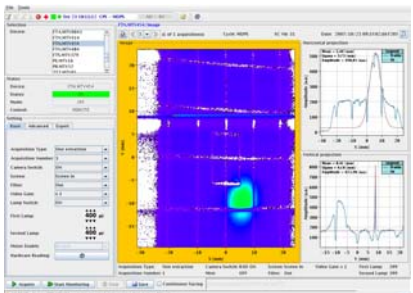
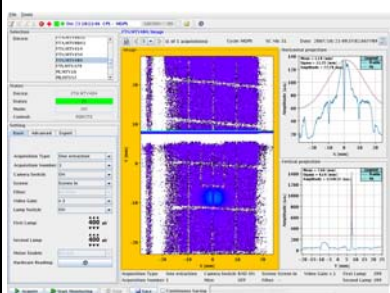


MERIT [Monday 22-Oct-2007 Day]

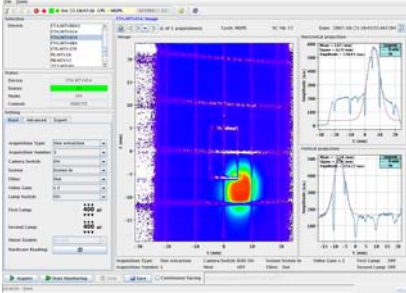
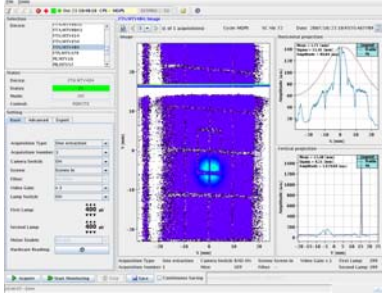
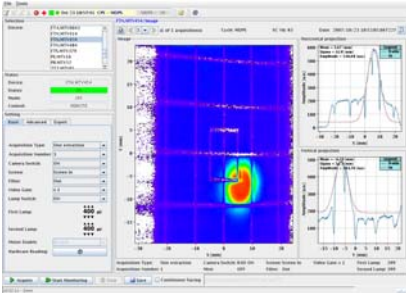
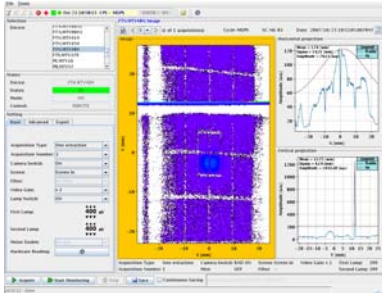
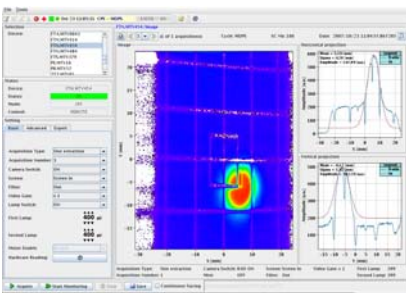
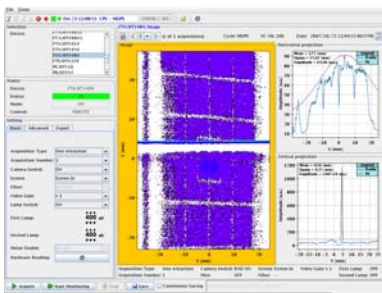
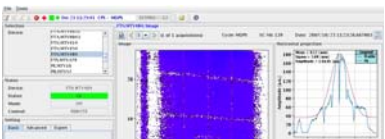
#	Time	Comments
1	08:00	Ilias, Harold, Van in the contorl room. <i>created by merit on PCMERIT03</i>
2	13:49	Latest graf from the temperature probes.  200710071350.png <i>created by merit on PCMERIT03</i>
3	13:51	What graf? a graph? graf is a nice jargon... <i>created by merit on PCMERIT03</i>
4	13:52	Solenoid power cycle scheduled for 15:00: G. Le Godec (165288) in build 193, AF in CCC; MERIT control room occupied (75337). (AF) <i>created by cpsop on cwo-ccc-b6lc</i>
5	13:56	user MDPS (coupled PSB and PS) placed in BPN=12 (basic period number). This corresponds to a delay of the beam extraction from the start of the SC (super cycle) of $(12-1)*1.2+0.77=13.97$ s. (AF) <i>created by cpsop on cwo-ccc-b6lc</i>
6	13:56	Cryo situation at 10:40: temperatures typically 175 K. Cooling process started. Reaching 80 K expected for Tuesday morning. Cryogenics override the interlock to the power supply. (AF) <i>created by merit on PCMERIT06</i>
7	14:56	Preparing for running the power converter. (AF) <i>created by cpsop on cwo-ccc-b6lc</i>
8	15:07	Signal reference received by AB/PO is strange. Follow-up in build 193. Test on hold. (AF) <i>created by cpsop on cwo-ccc-b6lc</i>
9	15:47	Power supply sucessfully tested at 200 A. Beam extracted: about $5*10^{11}$ protons. CCC called an beam stoppers and BHZ403 moved in NO BEAM position. <i>created by merit on PCMERIT03</i>
10	15:48	I_solenoid=500 A prepared. <i>created by merit on PCMERIT03</i>
11	15:53	I=500 A sucessfully passed. No beam this time. Good. Optical diagnostics positive. Mercury system also good. Cryogenics operate at 140 K. <i>created by merit on PCMERIT06</i>
12	15:54	I=1000 A sucessfully passed. <i>created by merit on PCMERIT06</i>
13	16:09	I=1500 A sucessfully passed. <i>created by merit on PCMERIT06</i>
14	16:15	I=2000 A sucessfully passed. dT_cryostat=+3K.

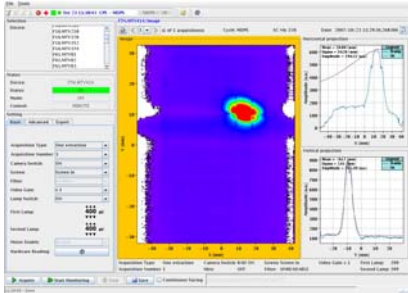
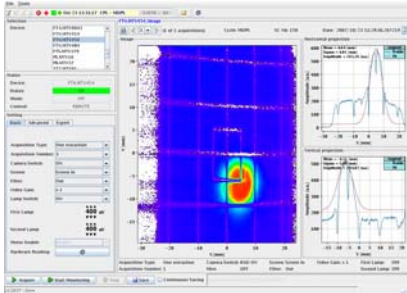
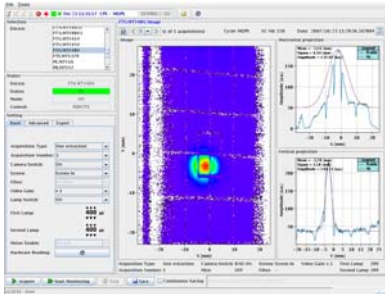
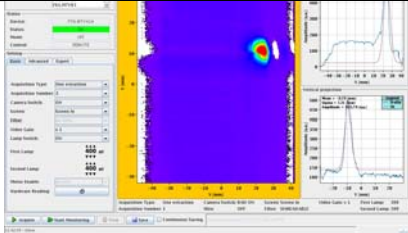
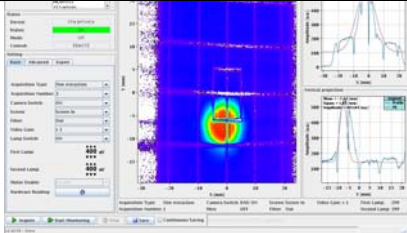
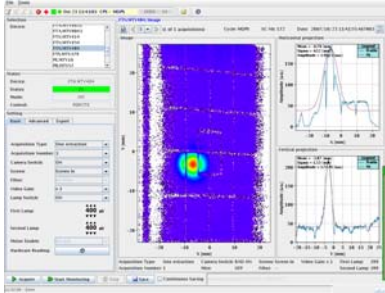
			created by merit on PCMERIT06
15	16:20	I=2500 A sucessfully passed. dT_cryostat=+5K.	created by merit on PCMERIT06
16	16:26	I=2500 A sucessfully passed. dT_cryostat=+5K.	created by merit on PCMERIT06
17	16:27	AB/PO do some adjustments at 60 Amps DC (local control) and ask to repeat at I=1000 A a little later.	created by merit on PCMERIT06
18	16:33	I=1000 A fully passed. dT_cryostat=+0.6K.	created by merit on PCMERIT06
19	16:46	I=1000 A fully passed.	created by merit on PCMERIT06
20	16:46	Power supply put in OFF. Interlocked by cryogenics forced.	created by merit on PCMERIT06
21	16:46	Summary log file from today's operations  MERIT_logging_14.xml_log2	created by cpsop on cwo-ccc-b61c

MERIT [Tuesday 23-Oct-2007 Day]

#	Time	Comments
1	08:00	Alexej, Adrian, Ilias in the cockpit... created by cpsop on cwo-ccc-b61c
2	09:26	Start with single bunch, 1.48e11. MDPS on bp.27 (delay for Hg loop = 31.97seconds) created by cpsop on cwo-ccc-b61c
3	09:37	Beam 1002 (after a first failed try 1001 due to safety chain). created by cpsop on cwo-ccc-b61c
4	09:52	Shot to MERIT: DVT.353=-4A, DVT.451=0.0A. BHZ403=+610.5A, BHX409=+620.7A. Beam position: MTV.414 = +10.0, MTV.454=-8.2, MTV.484=-7.7mm created by cpsop on cwo-ccc-b61c
5	10:10	  200710071010.png 200710071011.png  200710071012.png created by cpsop on cwo-ccc-b61c

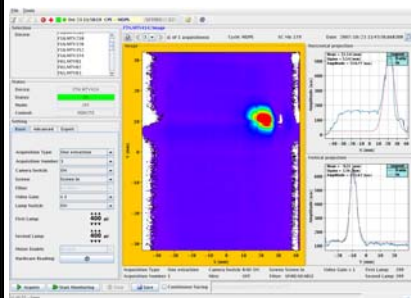
6	10:28	<p>Shot 1003: 1.28e11 ppp. DVT353=0A. Beam slightly lowerde in MTV414. No changes in others.</p> <div data-bbox="292 219 699 510"> <p>200710071028.png</p> </div> <div data-bbox="715 219 1121 510"> <p>200710071029.png</p> </div> <div data-bbox="292 562 676 853"> <p>200710071029.png</p> </div> <p>created by cpsop on cwo-ccc-b61c</p>
7	10:35	<p>Shot 1004: 1.32e11 ppp. DVT353=+2A.</p> <div data-bbox="292 969 699 1261"> <p>200710071037.png</p> </div> <div data-bbox="715 969 1121 1261"> <p>200710071038.png</p> </div> <div data-bbox="292 1312 676 1603"> <p>200710071038.png</p> </div> <p>created by cpsop on cwo-ccc-b61c</p>
		<div data-bbox="292 1693 676 2040"> <p>200710071041.png</p> </div> <div data-bbox="715 1693 1121 2040"> <p>200710071042.png</p> </div> <div data-bbox="292 1756 676 2047"> <p>200710071042.png</p> </div>

		created by cpsop on cwo-ccc-b61c
8	10:41	
9	10:47	<p>Shot 1007: DVT451=+5A. Not conclusive.</p>   <p>200710071047.png 200710071048.png</p> <p>created by cpsop on cwo-ccc-b61c</p>
10	10:48	<p>Shot 1006: fake trigger to Part.Detectors. No particle signal.</p> <p>created by cpsop on cwo-ccc-b61c</p>
11	10:56	<p>Shot 1008: DVT451=+15A. More signal on the particle detectors, but MTV484 signal decreases and beam more centered.</p>   <p>200710071058.png 200710071058.png</p> <p>created by cpsop on cwo-ccc-b61c</p>
12	11:03	<p>Shot 1009: DVT451=+19A. Sreen capture of MTV lost. Do it again, Sam.</p> <p>created by cpsop on cwo-ccc-b61c</p>
13	11:05	<p>Shot 1010: DVT451=+19A.</p>   <p>200710071105.png 200710071108.png</p> <p>created by cpsop on cwo-ccc-b61c</p>
		<p>Shot 1011: DVT353=-4A. DVT451=+19A. Stronger signal in MTV484.</p> 

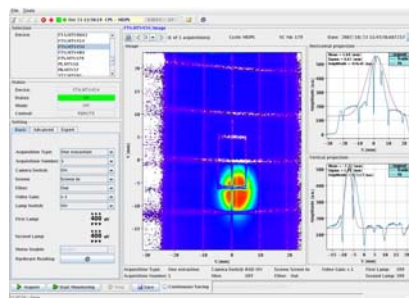
		200710071125.png	200710071125.png 200710071126.png	
14	11:24			created by cpsop on cwo-ccc-b61c
15	11:30	Shot 1012: BHZ409=+610.7 A.	 200710071131.png  200710071131.png  200710071131.png	created by cpsop on cwo-ccc-b61c
16	11:42		 200710071143.png  200710071143.png  200710071143.png	

created by [cpsop](#) on [cwo-ccc-b61c](#)

Shot 1014: BHZ409=+630.7A.

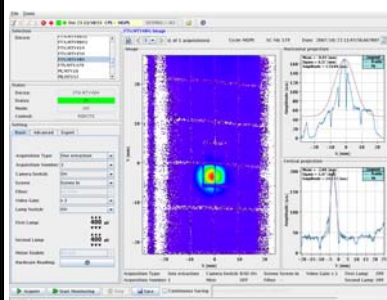


200710071150.png



200710071150.png

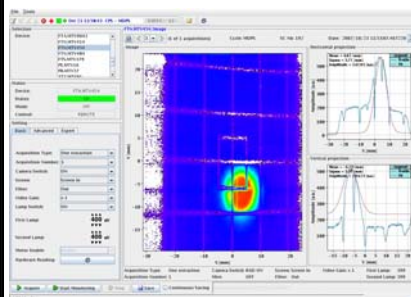
17 11:49



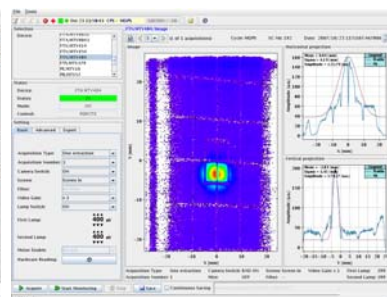
200710071150.png

created by [cpsop](#) on [cwo-ccc-b61c](#)

Shot 1015: DHX337=+6A.



200710071159.png

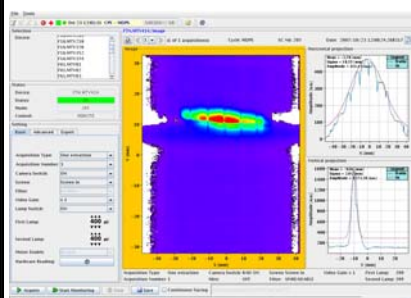


200710071159.png

18 11:58

created by [cpsop](#) on [cwo-ccc-b61c](#)

Shot 1016: DHZ337=4.4A. bad behaviour?

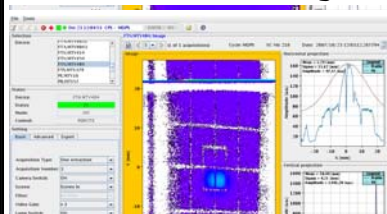


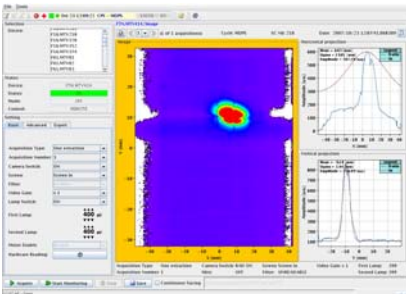
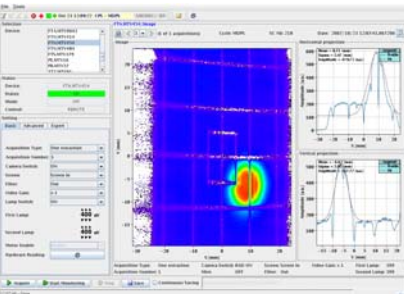
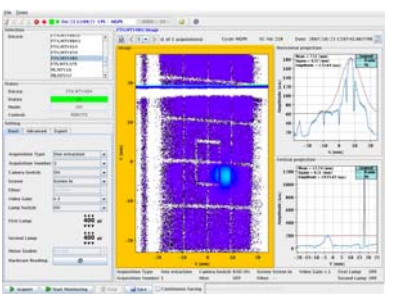
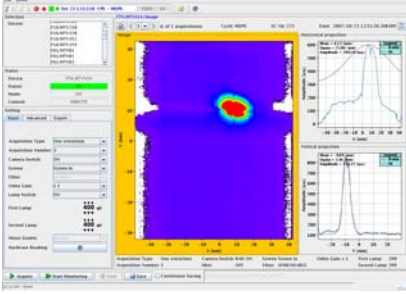
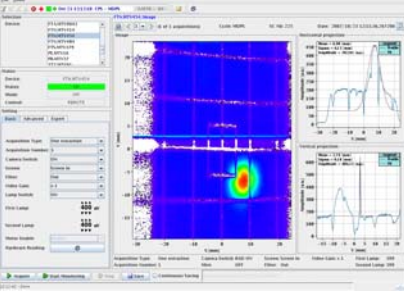
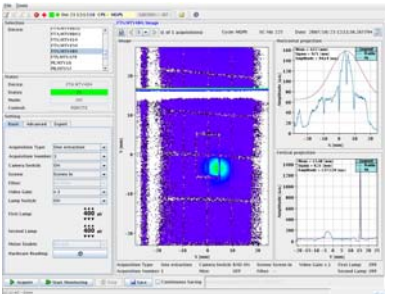
200710071202.png

19 12:01

created by [cpsop](#) on [cwo-ccc-b61c](#)

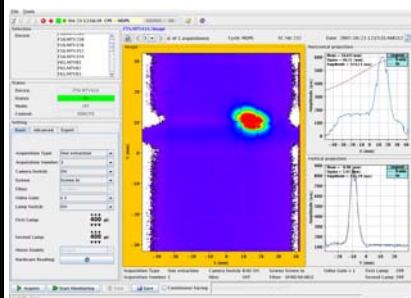
Shot 1016b: Stable again.



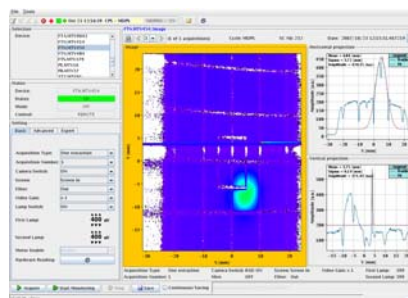
20	12:04	<p>200710071204.png</p> <p>200710071204.png 200710071205.png</p> <p>created by cpsop on cwo-ccc-b61c</p>
21	12:09	<p>Shot 1017: BHZ403s=620.5 A.</p>  <p>200710071209.png</p>  <p>200710071209.png</p>  <p>200710071209.png</p> <p>created by cpsop on cwo-ccc-b61c</p>
22	12:12	 <p>200710071212.png</p>  <p>200710071212.png</p>  <p>200710071212.png</p>

created by [cpsop](#) on [cwo-ccc-b61c](#)

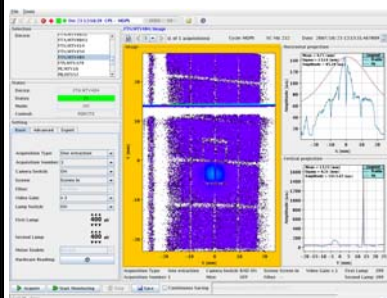
Shot 1019: BHZ403=BHZ409=615 A.



200710071216.png



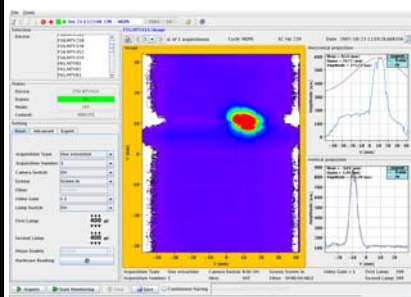
200710071217.png



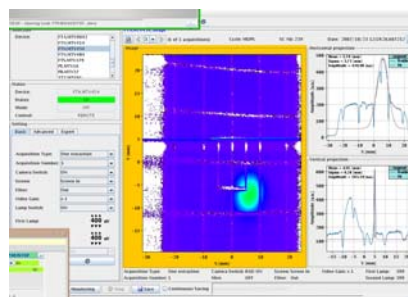
200710071217.png

created by [cpsop](#) on [cwo-ccc-b61c](#)

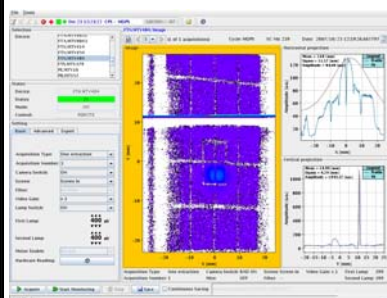
Shot 1020: BHZ337=2.4A



200710071223.png



200710071223.png



200710071223.png

created by [cpsop](#) on [cwo-ccc-b61c](#)

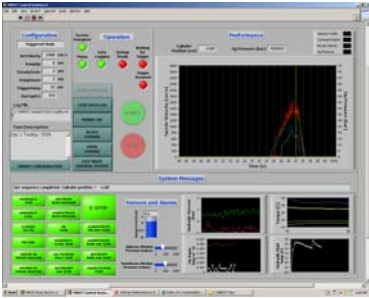
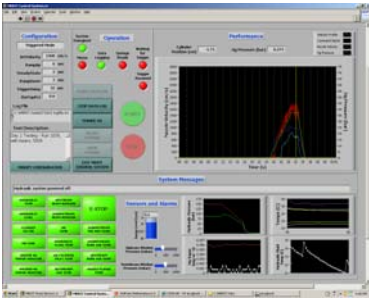
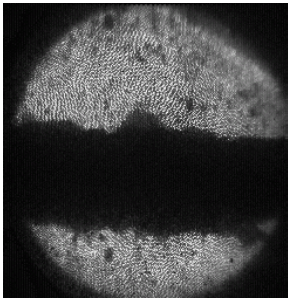
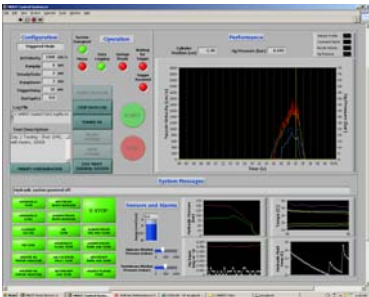
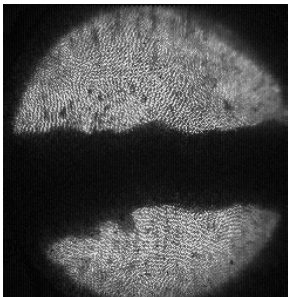
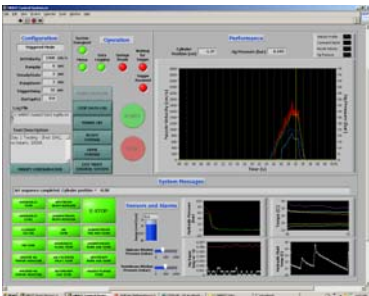
Shot 1021: BHZ337=-2.4A. Big losses

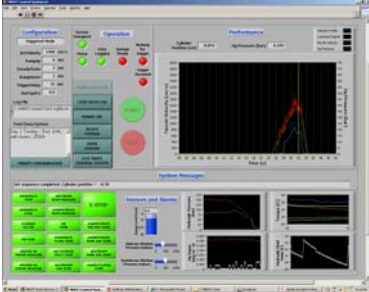
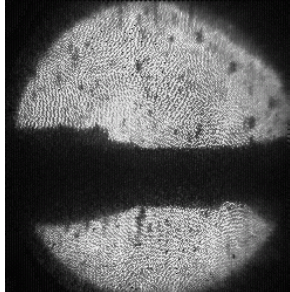
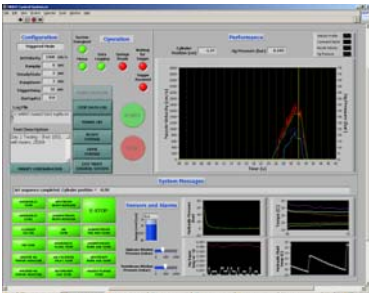
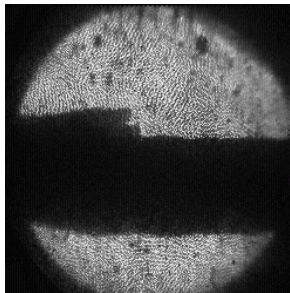
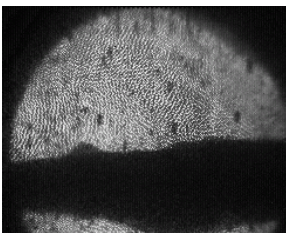
created by [cpsop](#) on [cwo-ccc-b61c](#)

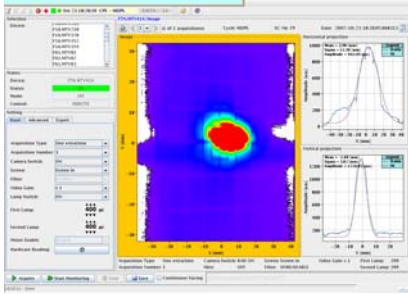
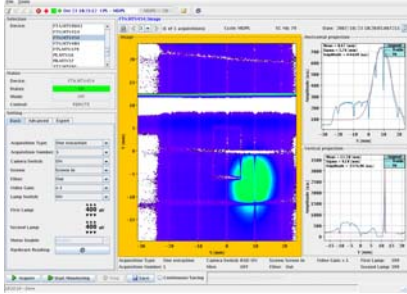
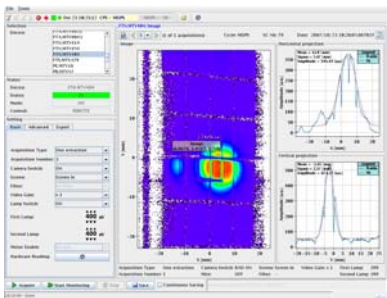
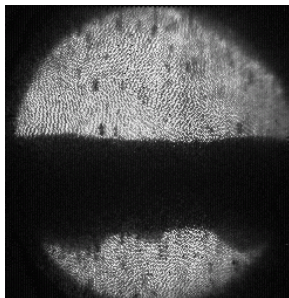
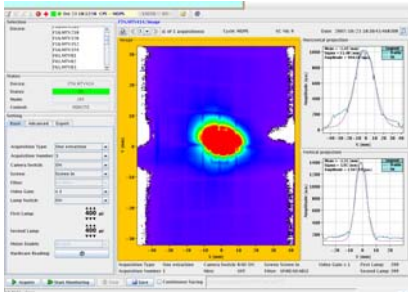
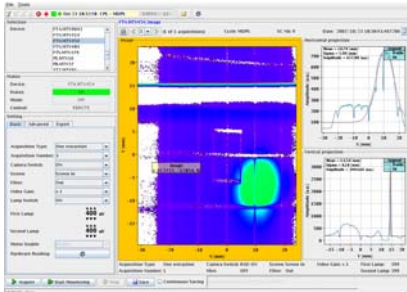
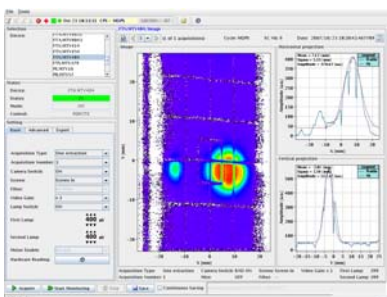
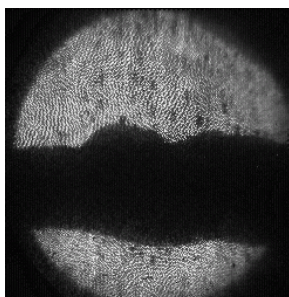

TT2 line settings and SEMFIL measurements.



[illegible]

43	15:20	Shot 1038: BHZ.403-409=620, BHZ.337=0.0, BHZ.327=0.0, Beam positions: MTV.414=1.41, MTV.454=9.83, MTV.484=7.26 created by cpsop on cwo-ccc-b51c
44	16:04	Shot 1038 15m/s jet  200710071604.png created by merit on PCMERIT03
45	16:27	Shot 1039 15m/s jet; 500 A  200710071627.png  1039_vp2_800mus.gif created by cpsop on cwo-ccc-b61c
46	16:27	created by cpsop on cwo-ccc-b61c
47	16:35	Shot 1040; 15m/s jet, 1000A (delay power supply 22.530 seconds)  200710071636.png  1040_vp2_800mus.gif created by cpsop on cwo-ccc-b61c
48	16:36	Shot 1041: BHZ.403-409=621.45, BHZ.337=-16.63, BHZ.327=16.95A. created by cpsop on cwo-ccc-b61c
49	16:52	Shot 1042; 15m/s jet, 1000A (delay power supply 22.030 seconds)  200710071653.png created by cpsop on cwo-ccc-b61c
50	17:01	Shot 1043: BHZ.403-409=620.0A, BHZ.337=0.0, BHZ.327=0.0. Beam position: MTV.414=1.54h,-9.31v, MTV.454=9.90h,-5.98v, MTV.484=6.30h,-3.01v.

		created by cpsop on cwo-ccc-b6lc
51	17:07	Shot 1044: BHZ.403-409=630A, BHZ.327=337=0.0. Beam position: MTV.414=-10.01h,8.48v, MTV.454=15.17h,-5.66v,MTV.484=13.77h,-3.36v. created by cpsop on cwo-ccc-b6lc
52	17:13	Shot 1045: BHZ.403-409=610A, BHZ.327.337=0.0. Beam position: MTV.414=12.86h,-9.01v,MTV.454=4.57h,-6.59v,MTV.484=-2.57h,-2.75v. created by cpsop on cwo-ccc-b6lc
53	17:18	Shot 1046: 15m/s jet, 2500A   200710071719.png 1046_vp2_800mus.gif created by merit on PCMERIT03
54	17:20	Shot 1047: DVT.353=-5A (was-4). Beam position: MTV.484=-2.95v,-0.25h. created by cpsop on cwo-ccc-b6lc
55	17:22	Shot 1048: DVT.353=-8A (was -5). Beam position: no beam! created by cpsop on cwo-ccc-b6lc
56	17:24	Shot 1049: DVT.353=-6A (was -5). Beam position: MTV.484=1.96h,-3.25v created by cpsop on cwo-ccc-b6lc
57	17:32	Shot 1050: DVT.353=0A, DVT.451=8A. Beam position: MTV.484=-0.30h,-3.38v. created by cpsop on cwo-ccc-b6lc
58	17:34	Shot 1051: DVT.451=10.0A created by cpsop on cwo-ccc-b6lc
59	17:36	Shot 1052: DVT.451=13A. Beam position: MTV.484=-0.33h,-2.57v created by cpsop on cwo-ccc-b6lc
60	17:38	Shot 1053: DVT.451=16.0A. Beam position: MTV.484=-0.27h,-2.34v. Mercury + optics included.   200710071741.png 1053_vp2_800mus.gif created by cpsop on cwo-ccc-b6lc
61	17:46	Shot 1054: DVT.451=16A, Beam position: MTV.484=??? - mercury + optics. Four bunches total intensity 1.2e12. created by cpsop on cwo-ccc-b6lc
62	17:57	Shot 1055: DVT.451=16A, BHZ.403-409=610.0A. created by cpsop on cwo-ccc-b6lc
63	18:13	Shot 1056: BHZ403-409=615.0A. (others remained unchanged)--> We partly hit the target. 

		1056_vp2_800mus.gif	
			created by cpsop on cwo-ccc-b61c
64	18:19	<p>Shot 1057: BHZ403-409=617.5A. (others remain unchanged) --> We increased the 2ndary particle production.</p>   <p>200710071821.png 200710071821.png</p>   <p>200710071821.png 1057_vp2_800mus.gif</p> <p>created by cpsop on cwo-ccc-b61c</p>	
65	18:26	<p>Shot 1058: BHZ403-409=621A. (others remain unchnaged). --> No beam delivered by PS/PSB.</p> <p>created by cpsop on cwo-ccc-b61c</p>	
66	18:30	<p>Shot 1059: same as before but now with beam --> We increased again the 2ndary particle production. (strange spot on the left of the 3rd screen)</p>   <p>200710071833.png 200710071833.png</p>   <p>200710071833.png 1059_vp2_800mus.gif</p> <p>created by cpsop on cwo-ccc-b61c</p>	
67	18:30	<p>Summary log file from today's operations</p> 	

		MERIT_logging_14.xml_log1
		created by cpsop on cwo-ccc-b61c

MERIT [Tuesday 23-Oct-2007 Night]


#	Time	Comments
1	20:00	Continue beam studies. created by cpsop on cwo-ccc-b61c

MERIT [Wednesday 24-Oct-2007 Day]

#	Time	Comments
1	08:00	Rende, Alexej, Marcus, Harold, Ilias in the CCC. Van, HeeJin in the merit control room on standby. created by cpsop on cwo-ccc-b61c
2	15:17	Short access this morning to fix problem with BCT. In parallel some activity for the crtyogenics, optical diagnostics, mercury loop. in zone Z. RP measured the radiation in the area, not much, at the top of the Hg container was about 15microSv. created by cpsop on cwo-ccc-b61c
3	15:18	Resume beam studies. Do continuous beams to MERIT at low intensity: single bunch, one unit = 2.5e11. Beam settings: BHZ.403=621.A, BHZ.409=621.0, BHZ.337=0.0,BHZ.327=0.0 created by cpsop on cwo-ccc-b61c
4	16:28	Shot 2001 : First shot of the day. No mercury. Beam = 1bunch 2.5e11. Beam centered on the target.Horizontal bends&trims set to: BHZ.403-409=612.8, BHZ.117=133.94, BHZ.167=92.40,BHZ.337=2.0. Settings saved in verilog file name = PS_MDPS_24Oct07_Beam_Hor_Centered_On_Target.xls created by cpsop on cwo-ccc-b61c
5	16:33	Shot 2002: BHZ.403-409=605.8. Beam on target left. created by cpsop on cwo-ccc-b61c
6	16:48	Shot 2003: BHZ.403-409=619.0. Beam on target right created by cpsop on cwo-ccc-b61c
7	17:06	Shor 2004: BHZ.403-409=625.8 Beam on extreme right created by cpsop on cwo-ccc-b61c
8	17:16	Shot 2005: BHZ.403-409=599.8 Beam on extreeme left created by cpsop on cwo-ccc-b61c
9	17:28	Shot 2006: BHZ.403-409=593.8 created by cpsop on cwo-ccc-b61c
10	17:32	Shot 2007: BHZ.403-409=587.8. BHZ.337=0.0(was 2) created by cpsop on cwo-ccc-b61c
11	17:38	Shot 2008: BHZ.403-409=581.8. BHZ.337=-2.0 created by cpsop on cwo-ccc-b61c
12	17:53	Shot 2009: BHZ.403-409=603.8. BHZ.337=+2.0, DVT451=16A centered horizontally with respect to the "window" created by cpsop on cwo-ccc-b61c
13	18:03	Shot 2010: Vertical scan: DVT451=20A.No beam from PS. created by cpsop on cwo-ccc-b61c
14	18:29	Shot 2011: repeat 2010. created by cpsop on cwo-ccc-b61c
15	18:58	Shot 2012: DVT451=16A, DVT353=4A created by cpsop on cwo-ccc-b61c
16	19:03	Shot 2013: DVT451=16A, DVT353=8A created by cpsop on cwo-ccc-b61c
17	19:04	Shot 2014: DVT451=16A, DVT353=6A created by cpsop on cwo-ccc-b61c
18	19:09	Shot 2015: DVT451=16A, DVT353=-4A created by cpsop on cwo-ccc-b61c

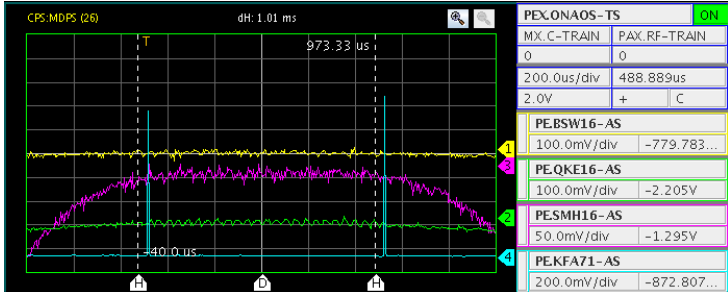
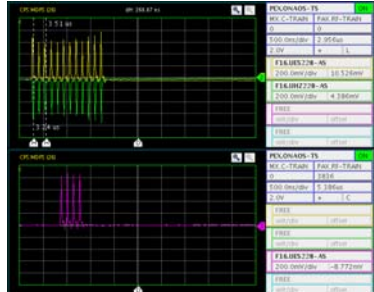
19	19:15	Shot 2016: DVT451=16A, DVT353=-6A created by cpsop on cwo-ccc-b61c
20	19:18	Shot 2017: DVT451=0A, DVT353=-4A created by cpsop on cwo-ccc-b61c
21	19:23	Shot 2018: DVT451=0A, DVT353=0A created by cpsop on cwo-ccc-b61c
22	19:28	Shot 2019: DVT451=-8A, DVT353=0A created by cpsop on cwo-ccc-b61c
23	19:31	Shot 2020: DVT451=-16A, DVT353=0A created by cpsop on cwo-ccc-b61c
24	19:34	Shot 2021: DVT451=-20A, DVT353=0A created by cpsop on cwo-ccc-b61c
25	19:37	Shot 2022: DVT451=-20A, DVT353=4A created by cpsop on cwo-ccc-b61c
26	19:39	Shot 2023: DVT451=-20A, DVT353=-4A created by cpsop on cwo-ccc-b61c
27	19:47	Shot 2024: bad shot Shot 2025: DVT451=8A, DVT353=-2A, BHZ.403-409=603.8. BHZ.337=+2.0 beam is centered on the window horizontally and vertically. created by cpsop on cwo-ccc-b61c
28	19:53	MDPS in bp#13/15. Hg-loop delay = 15.17sec. Single bunch 2.5e11 protons. created by cpsop on cwo-ccc-b61c

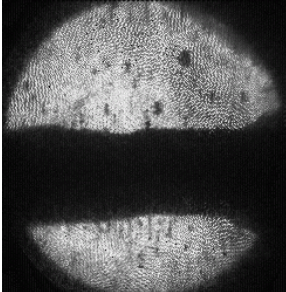
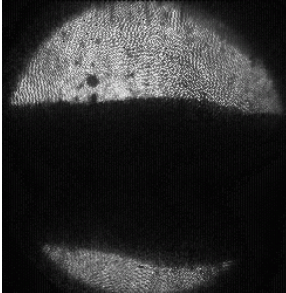
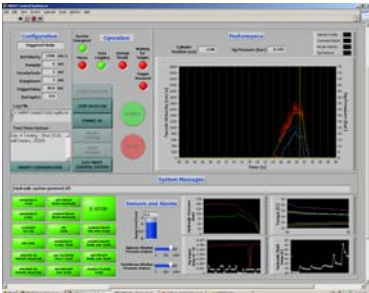
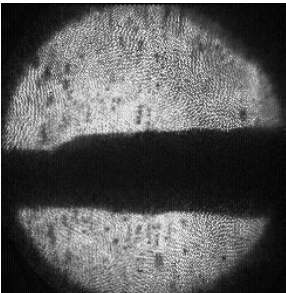
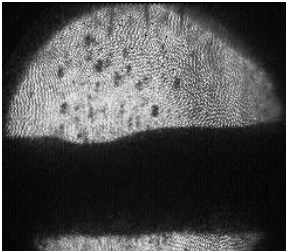
MERIT [Wednesday 24-Oct-2007 Night]

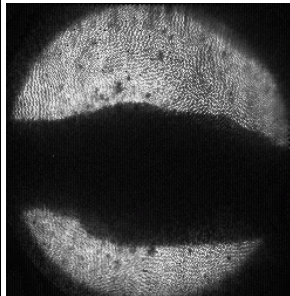
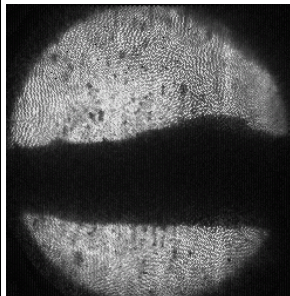
#	Time	Comments
1	20:00	Continue with beam studies. created by cpsop on cwo-ccc-b61c
2	20:59	In the process of restarting with power supply.... Need to go to building.193 to correct status of ps from local to remote. Done with the help of Gilles. However it seems that when switched to remote, it went on and started with current! As a result the temperature in the solenoid raised to 180K! When trying to stop the current I passed from zero current which apparently initialized the GFAS and now the pulse looks bizzare. Gilles said will call in a moment. If he does and we manage to get it going perhaps we can get a shot with 5T. created by cpsop on cwo-ccc-b61c
3	21:51	Summary log of today's operations.  MERIT_logging_14.xml_log0 created by cpsop on cwo-ccc-b61c

MERIT [Thursday 25-Oct-2007 Day]

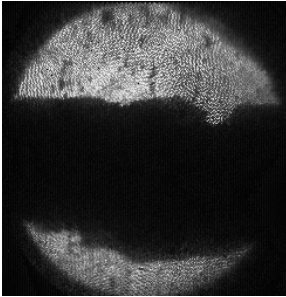
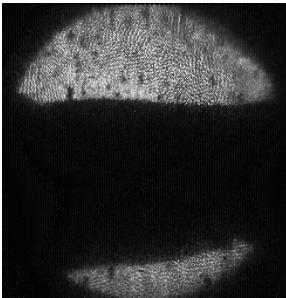
#	Time	Comments
1	08:00	created by cpsop on cwo-ccc-b61c
2	10:39	Harold, Marcus, Van, Alexej, Adrian in CCC created by cpsop on cwo-ccc-b61c
3	10:40	Intended to study maximum stretch of pump-probe method this morning. created by cpsop on cwo-ccc-b61c
4	10:40	In the shade of a PS intervention an access shall be possible to MERIT. Any access required? Cryo wants to access ZOne ZS. So far no other request pending. Access not yet scheduled. CCC keeps informed. created by cpsop on cwo-ccc-b61c
		MERIT MDPS cycle in BPN=26. delay Hg loop = (26-1)*1.2+0.77 s = 30.77 s.

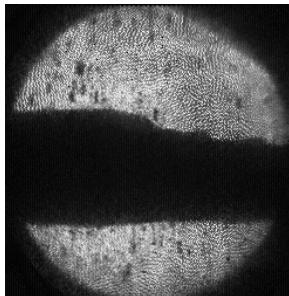



5	10:43	Delay power supply 20.77 s created by cpsop on cwo-ccc-b61c
6	10:59	Activating MTV screens created by cpsop on cwo-ccc-b61c
7	10:59	AB/PO is working on power supply in local control. Cryo interlock removed in hard way. created by cpsop on cwo-ccc-b61c
8	11:00	Verifying beam settings. two bunches. 2.5ell ppp. delta t = 2.53 mus. created by cpsop on cwo-ccc-b61c
9	11:06	Beam 3001, CCC 11:06:14.667; PartDet did not receive trigger. created by cpsop on cwo-ccc-b61c
10	11:07	Add procedure to test trigger; adjust power delay. created by cpsop on cwo-ccc-b61c
11	11:49	Trigger for ParDet. created by cpsop on cwo-ccc-b61c
12	11:51	Access only required for Henrik. Call in case. created by cpsop on cwo-ccc-b61c
13	11:51	GFA still strange. Correct function loaded. Test ongoing to switch between Local and Remote control. created by cpsop on cwo-ccc-b61c
14	11:53	Beam 3002: CCC 11:53:50.667804; Alexej adjusting kicker timing. created by cpsop on cwo-ccc-b61c
15	12:06	No useful GFA received by AB/PO. AB/CO required. created by cpsop on cwo-ccc-b61c
16	12:28	Beam 3003 Pump/Probe del time 20 us PD measured 20.87 created by cpsop on cwo-ccc-b61c
17	12:33	Beam 3004 Pump/Probe dT 200 us PD fails to see probe. Try again. created by cpsop on cwo-ccc-b61c
18	12:52	Beam 3005 Same Beam settings as 3004 PD sees 209.8 dT created by cpsop on cwo-ccc-b61c
19	13:10	Beam 3006 Setup for 12 bunch pump and 4 bunch probe with dT of 3.7 us created by cpsop on cwo-ccc-b61c
20	13:28	Beam 3007 12 bunch pump; 4 bunch probe dT 200us PD measured 211.8us created by cpsop on cwo-ccc-b61c
21	16:07	Access from 14:00 to 15:30: Diamond detector placed on snout front - upstream window. Beam monitors verified - view of an accelerator physicist. MTV454 is displaced by 0.5cm to the right. Center is in the left cross. created by cpsop on cwo-ccc-b61c
22	16:40	Beam 3008 CCC 16:40:41.067791 Pump (12)/Probe(4) dT=500us PD measured 503.3us created by cpsop on cwo-ccc-b61c
23	17:13	Beam 3009 CCC 17:08:07.468311 Pump/probe dT 1ms PD misses probe bunch <div>   </div> <p>200710071714.png 200710071717.png</p> <p>created by cpsop on cwo-ccc-b61c</p>
24	17:35	Beam 3010 Repeat of 3009 dT=1ms PD still misses the probe. No screen images for this shot. created by cpsop on cwo-ccc-b61c
25	17:43	Beam 3011 Repeat again of 3009 dT=1ms Pd observes 1005us

		created by cpsop on cwo-ccc-b61c
26	17:50	Beam 3012 CCC 17:52:55.468 dT=500us created by cpsop on cwo-ccc-b61c
27	18:48	Beam 3013 CCC 18:47:48.27 created by cpsop on cwo-ccc-b61c
28	19:08	Beam 3014 Start of Hg scan --This setup shop was at 500A. With H=-11mm no optics BHZ403-409=603.8A, BHZ337=2A. All Hg jets in this campaign 15m/s. created by merit on PCMERIT03
29	19:16	Beam 3015 2500A (5T) shot at nominal settings (H= -11mm V 0mm)  3015_vp2_800mus.gif created by cpsop on cwo-ccc-b61c
30	19:25	beam 3016: BHZ403-409=611.1A, BHZ337=2A => H=-5mm created by cpsop on cwo-ccc-b61c
31	19:29	Beam 3017: BHZ403-409=608.7A, BHZ337=2A => H=-7mm  3017_vp2_800mus.gif created by cpsop on cwo-ccc-b61c
32	19:33	Beam 3018: BHZ403-409=606.2A, BHZ337=2A => H=-9mm. Hg system received Hydraulic Fluid Temperature Alarm for a few seconds due to short turnaround on jets.  200710071942.png  3018_vp2_800mus.gif created by merit on PCMERIT03
33	19:40	Beam 3019: BHZ403-409=601.4A, BHZ337=2A => H=-13mm 

		3019_vp2_800mus.gif	created by cpsop on cwo-ccc-b61c
34	19:48	Beam 3020: BHZ403-409=598.9A, BHZ337=2A => H=-15mm  3020_vp2_800mus.gif	created by cpsop on cwo-ccc-b61c
35	19:54	Beam 3021: BHZ403-409=613.6A, BHZ337=2A => H=-3mm  3021_vp2_800mus.gif	created by cpsop on cwo-ccc-b61c
36	19:55		created by cpsop on cwo-ccc-b61c

MERIT [Thursday 25-Oct-2007 Night]

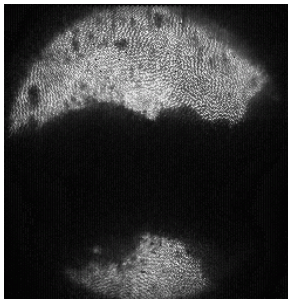
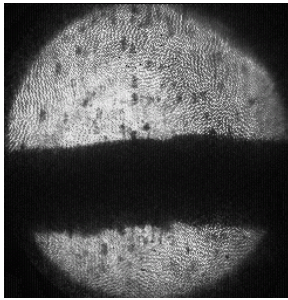
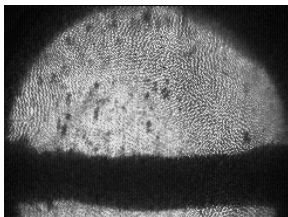
#	Time	Comments
1	20:00	Beam 3022: BHZ403-409=616.0A, BHZ337=2A => H=-1mm  3022_vp2_800mus.gif created by cpsop on cwo-ccc-b61c
2	20:09	Beam 3023: BHZ403-409=618.4A, BHZ337=2A => H=+1mm  3023_vp2_800mus.gif

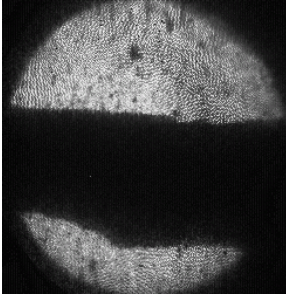
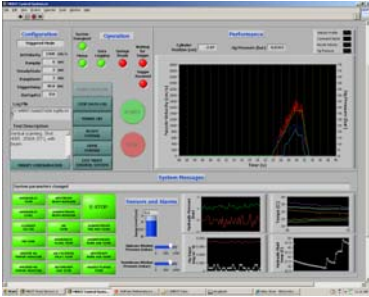
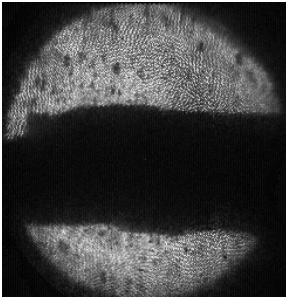
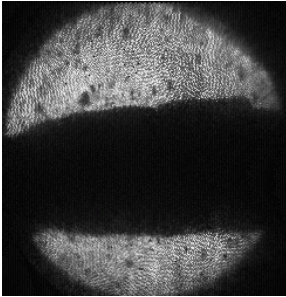
		created by cpsop on cwo-ccc-b6lc
3	20:15	Beam 3024: BHZ403-409=620.8A, BHZ337=2A => H=+3mm created by cpsop on cwo-ccc-b6lc
4	20:28	Beam 3025: BHZ403-409=623.3A, BHZ337=2A => H=+5mm. no beam went to the MERIT zone T=120degC cryo interlock worked.  3025_vp2_800mus.gif created by cpsop on cwo-ccc-b6lc
5	21:46	Summary logs of today's operations    MERIT_Solenoid.xml MERIT_logging_14.xml_log0 MERIT_Solenoid.xml_log0 created by cpsop on cwo-ccc-b6lc

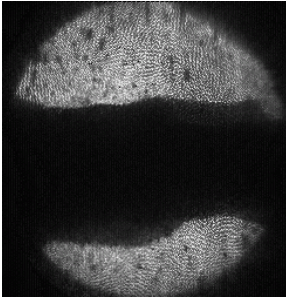
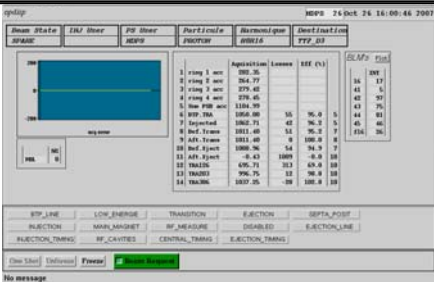
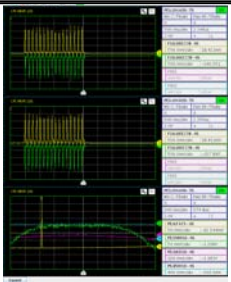
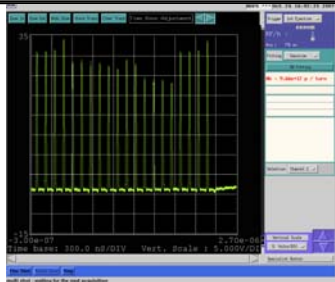
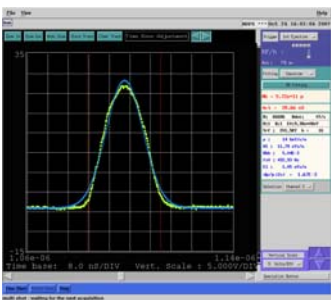
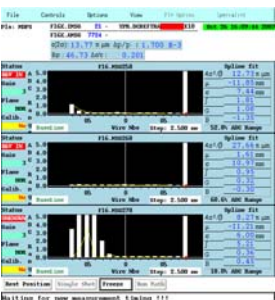

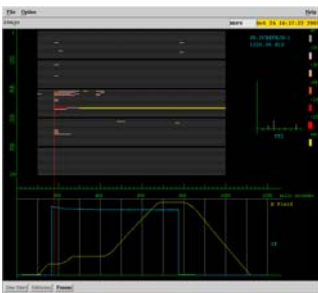
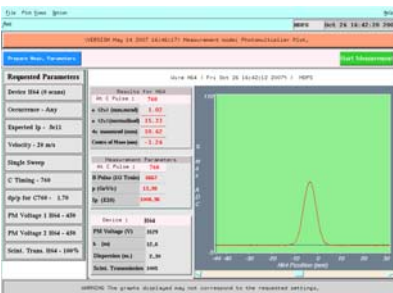
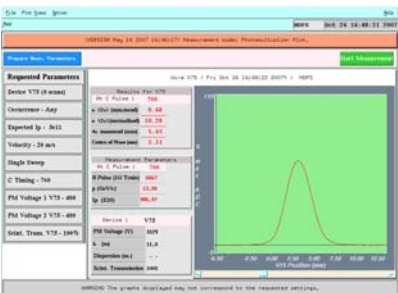
Dump the eLogbook from the date:  to the date: 

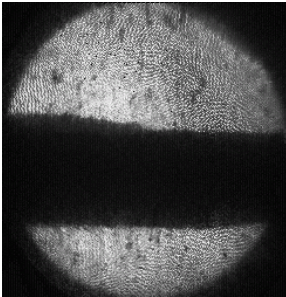
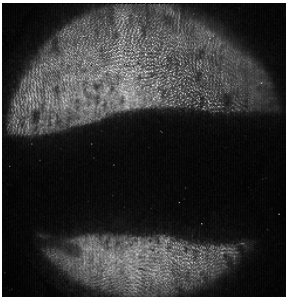
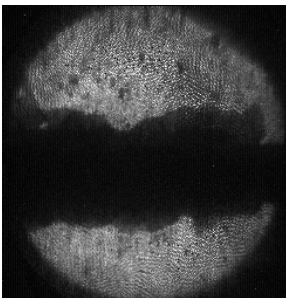


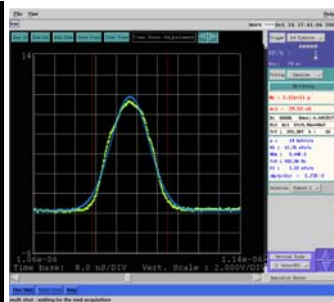
MERIT [Friday 26-Oct-2007 Day]

#	Time	Comments
1	08:00	Harold, Alexej, Rende, Marcus, Adrian in CCC (Ilias in ATC) created by cpsop on cwo-ccc-b6lc
2	10:11	Hugo, Van, Heejin in MCR created by cpsop on cwo-ccc-b6lc
3	10:11	Same delay settings as yesterday: Delay Hg loop= 30.77s. Delay power supply nominally = 20.77 created by cpsop on cwo-ccc-b6lc
4	10:14	Run plan: morning - vertical scan. afternoon - high intensities at 14 GeV/c.Beam created by cpsop on cwo-ccc-b6lc
5	10:14	Cryogenics cooled to 80 K. 120 K interlock from Cryo to power supply tested sucessfully yesterday evening. created by cpsop on cwo-ccc-b6lc
6	10:19	Beam 4001 Settings of Beam 3021 but with only 200A in solenoid  4001_vp2_800mus.gif created by cpsop on cwo-ccc-b6lc
7	11:07	Beam 4002 Settins of Beam 3021 with 2500A (5T)  4002_vp2_400mus.gif created by cpsop on cwo-ccc-b6lc
8	11:08	Beam 4003 Start of vertical scan DVT451 -20A DVT353 -4A Y at window -20mm 

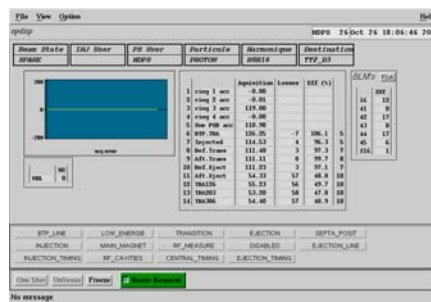
		4003_vp2_400mus_afterbeam.gif	
			created by cpsop on cwo-ccc-b6lc
9	11:20	<p>Beam 4004 Shot not saved DVT451 went out of regulation</p>  <p>4004_vp2_400mus_afterbeam.gif</p>	created by cpsop on cwo-ccc-b6lc
10	11:21	<p>Beam 4005 DVT451 -14 DVT353 -1. Hg system operating as expected. Y at window -12.85</p>  <p>200710071131.png</p>	created by cpsop on cwo-ccc-b6lc
11	11:32	<p>Beam 4006DVT51 -8 DVT353 +2.</p>  <p>4006_vp2_800mus_afterbeam.gif</p>	created by cpsop on cwo-ccc-b6lc
12	11:56	Delay power supply set to 21.570 seconds.	created by cpsop on cwo-ccc-b6lc
13	12:11	Delay power supply set to 21.370 seconds.	created by cpsop on cwo-ccc-b6lc
14	12:18	<p>Beam 4007 DVT451 +16 DVT353 +6 Y at window +11.3</p>  <p>4007_vp2_800mus_afterbeam.gif</p>	

		created by cpsop on cwo-ccc-b61c
15	12:19	<p>Beam 4008 DVT451 +12 DVT353 +2 Shot OK but lost images</p>  <p>4008_vp2_100mus_afterbeam.gif</p> <p>created by cpsop on cwo-ccc-b61c</p>
16	12:20	<p>Beam 4009 Repeat of 4008 got images Y at Window +3.1</p> <p>created by cpsop on cwo-ccc-b61c</p>
17	12:21	<p>Beam 4010 Repeat of 4002 but with target out (5T) Note: actually 0T PS did not fire</p> <p>created by cpsop on cwo-ccc-b61c</p>
18	14:09	<p>Beam 4011 Repeat of 4002 but with target out (0T)</p> <p>created by cpsop on cwo-ccc-b61c</p>
19	14:09	<p>Beam 4012 Repeat of 4010 but with target out and 5T</p> <p>created by cpsop on cwo-ccc-b61c</p>
20	15:33	<p>Beam 4013 BHZ403 and 409 611.1A' BHZ337 2A; DVT451 8A and DVT353 -2 A. This is setting to get H,V 0,0.Low intensity, 0T. Delay power supply already set to 21.570 seconds.</p> <p>created by cpsop on cwo-ccc-b61c</p>
21	15:48	<p>Delay power supply set to 21.970 seconds.</p> <p>created by cpsop on cwo-ccc-b61c</p>
22	15:55	 <p>OpDisp.png</p>  <p>OASIS_Extinction.png</p>  <p>BSM last turn.png</p>  <p>BSM 1 bunch parameters.png</p>  <p>TT2 semgrids Hor.png</p>  <p>TT2 semgrid Ver..png</p>  <p>BLM.png</p>  <p>FWSH64.png</p>  <p>FWSV75.png</p>

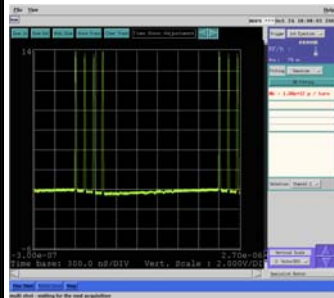
		created by cpsop on cwo-ccc-b4lc
23	16:21	<p>Beam 4014 First attemp at high intensity (10TP) 5T 15m/s -No beam inhibit on</p>  <p>4014_vp2_100mus_afterbeam.gif</p> <p>created by cpsop on cwo-ccc-b6lc</p>
24	16:34	<p>Delay power supply set to 22.170 seconds.</p> <p>created by cpsop on cwo-ccc-b6lc</p>
25	16:35	<p>Beam 4015 High intensity (10TP); 15m/s Hg jet; 5T</p>  <p>shot4015 vp2 100mus after beam.gif</p> <p>created by cpsop on cwo-ccc-b6lc</p>
26	16:35	<p>Beam 4016 Same as 4015 No Target 5T</p> <p>created by cpsop on cwo-ccc-b6lc</p>
27	16:36	<p>Beam 4017 Same as 4015 but with Hg Jet 0T field</p> <p>created by cpsop on cwo-ccc-b6lc</p>
28	17:12	<p>Beam 4018 Same as Beam 4017 but raise the proton beam by 5mm DVT451 12A DVT353 +2A Hg Jet 0T ; View port two frame rate changed from 0.1ms to 0.4 ms. Beam Inhibit on no Beam!</p> <p>created by cpsop on cwo-ccc-b6lc</p>
29	17:20	<p>Beam 4019 Try same configuration as Beam 4018</p>  <p>shot4019_vp2_800mus_0T.gif</p> <p>created by cpsop on cwo-ccc-b6lc</p>
		<p>Preparing PS for 2.5E11 per bunch. (2 extracted at dt= 1.7us and 2 on internal dump 48 at C800 as we have h2 from PSB and we do h8h16 in PS). PE.KFA timings: PEX.SKFA71=7619 (FD=180) and PEX.EKFA=7621 (FD=92). PSB.ring3 3 turns hor shaver= 10.5A ver shaver= 7.2A.</p>



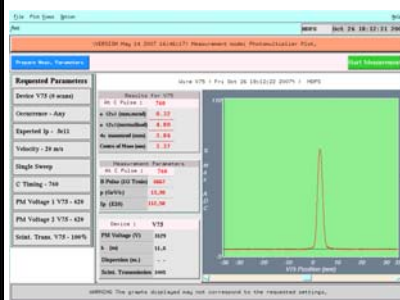
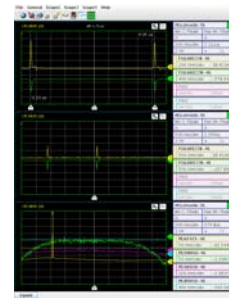
BSM single bunch last turn.png



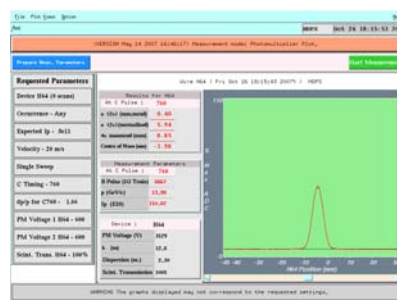
OpDisp.png



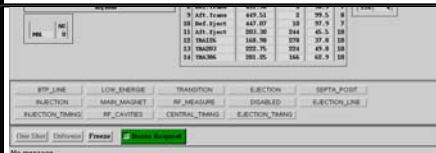
BSM last turn before extraction.png



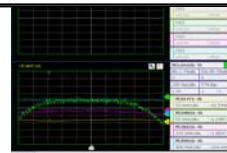
FWSV75.png



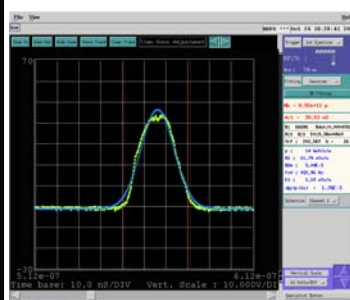
FWSH64.png

created by [cpsop](#) on [cwo-ccc-b4lc](#)

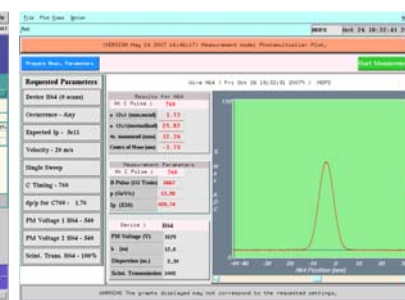
OpDisp.png



OASIS bunch spacing TT2.png



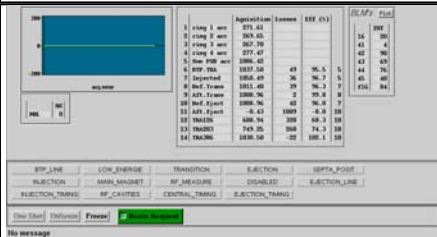
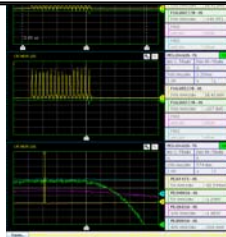

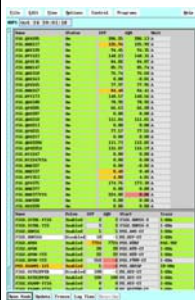



BSM single bunch.png



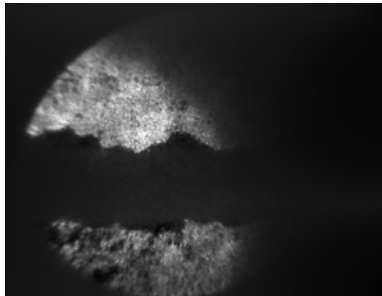
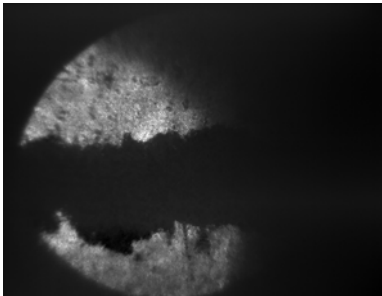
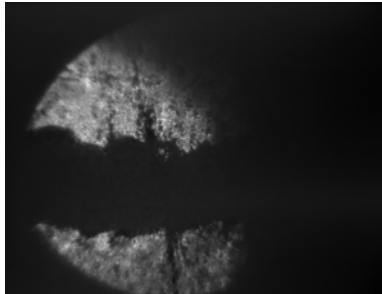
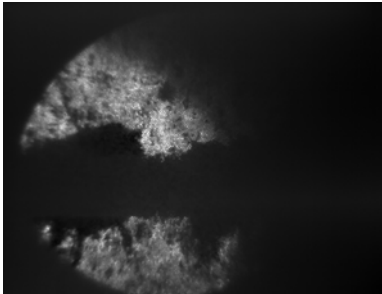
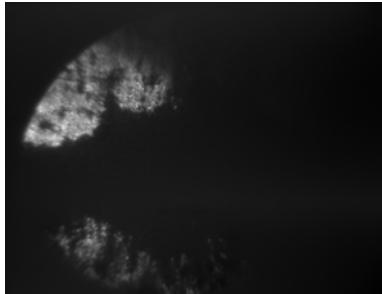
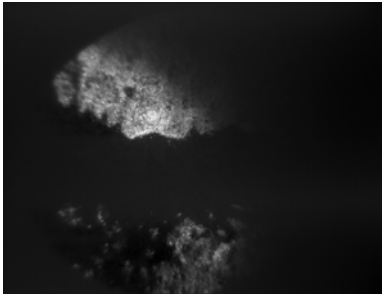
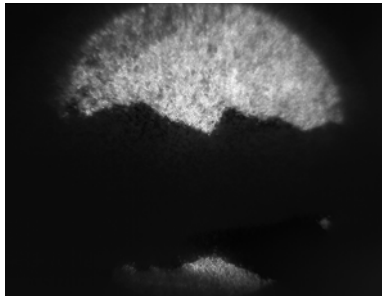
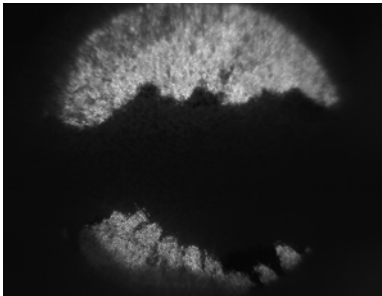

FWSH64.png






FWSV75.png

		created by cpsop on cwo-ccc-b41c
32	18:37	<p>Return to setting: 2.5E11 per bunch. (2 extracted at dt= 1.7us and 2 on internal dump 48 at C800 as we have h2 from PSB and we do h8h16 in PS). PE.KFA timings: PEX.SKFA71=7619 (FD=180) and PEX.EKFA=7621 (FD=92). PSB.ring3 3 turns hor shaver= 10.5A ver shaver= 7.2A.</p> <p>created by cpsop on cwo-ccc-b41c</p>
33	19:07	<p>Beam 4020 LIntenity Repeat of Oct 17 Lucky Strike</p> <p>created by cpsop on cwo-ccc-b61c</p>
34	19:22	<p>Beam 4021 Low Intensity Move horizontal settings</p> <p>created by cpsop on cwo-ccc-b61c</p>
35	19:52	<p>Beam 4022 Low Intenisty Move horizontal settings</p> <p>created by cpsop on cwo-ccc-b61c</p>
36	19:52	<p>Beam 4023 LI Horizontal testing</p> <p>created by cpsop on cwo-ccc-b61c</p>
37	19:53	<p>Beam 4024 LI Horizontal testing</p> <p>created by cpsop on cwo-ccc-b61c</p>
38	19:53	<p>Beam 4025 LI horizontal testing</p> <p>created by cpsop on cwo-ccc-b61c</p>
39	19:54	<p>Beam 4026 Li horizontal testing--tune very close now to Ilias's Oct. 17 Lucky Strike</p> <p>created by cpsop on cwo-ccc-b61c</p>
40	19:58	<div>    <p>OpDisp.png OASIS bunches in TT2.png FTN workingset.png</p>    <p>TT2 workingset.png Ej16_timing workingset.png Ej16 workingset.png</p>  <p>PSB OpDisp.png</p> </div>

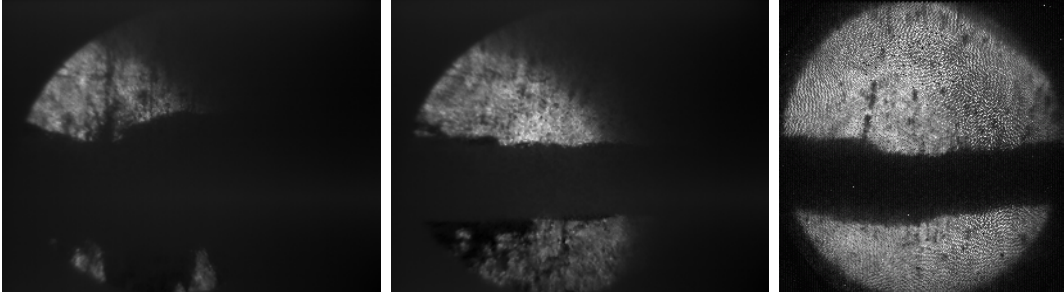
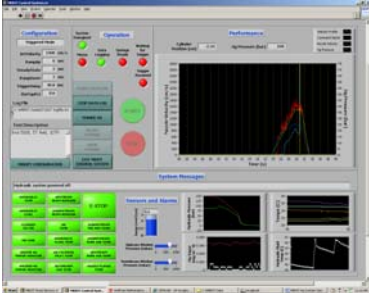
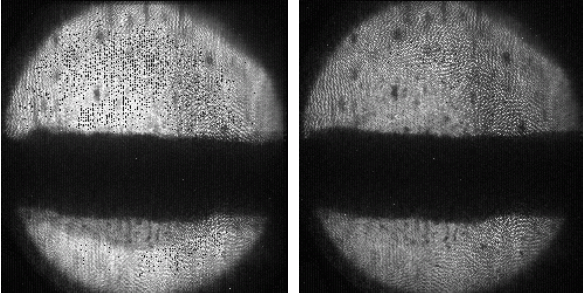
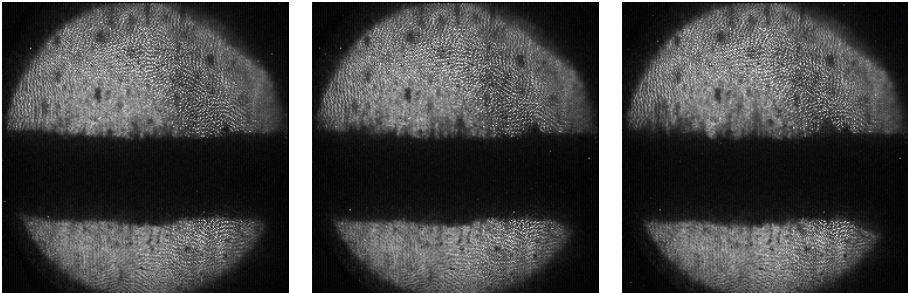
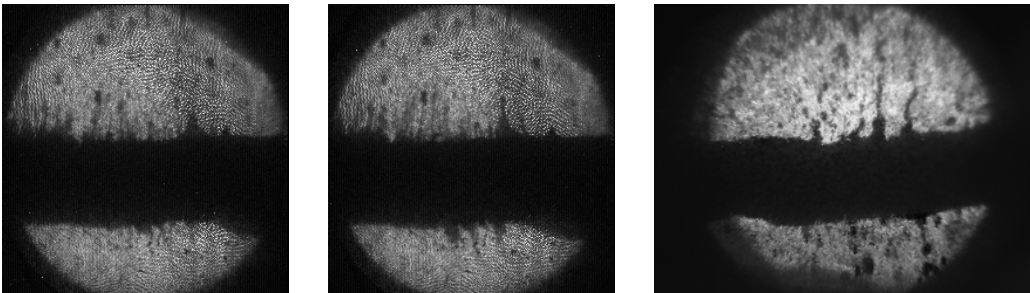
created by [cpsop](#) on [cwo-ccc-b4lc](#)**MERIT [Friday 26-Oct-2007 Night]**

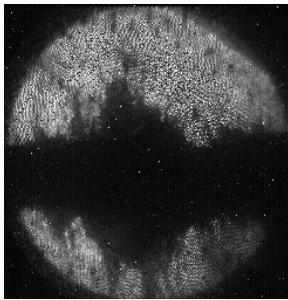
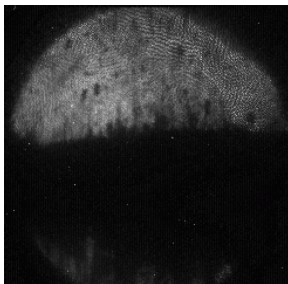
#	Time	Comments
1	20:00	Beam 4028 HI No Hg 0T created by cpsop on cwo-ccc-b6lc
2	20:20	Beam 4029 HI Hg 0T; Hg Jet received early trigger. Target empty. created by cpsop on cwo-ccc-b6lc
3	20:21	Beam 4030 HI Hg 0T; Triggers are OK. First Hg splashes from beam!   4030_vp1_2ms.gif 4030_vp1_4ms.gif   4030_vp1_6ms.gif 4030_vp1_8ms.gif   4030_vp1_10ms.gif 4030_vp1_12ms.gif   4030_vp3_0ms.gif 4030_vp3_2ms.gif created by merit on PCMERIT03
		Beam 4031 HI Hg 5T; Triggers are OK. 2nd splash seen! 

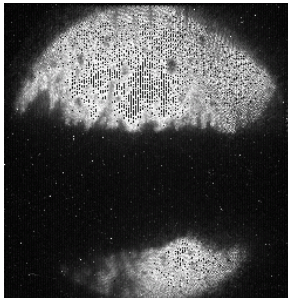



		4031_vp1_2ms.gif	4031_vp1_8ms.gif 4031_vp3_26ms.gif
4	20:52		created by cpsop on cwo-ccc-b6lc
5	20:53	Beam 4032 LI No Hg; test to lower beam	created by cpsop on cwo-ccc-b6lc
6	20:53	Beam 4033 LI No Hg; further changes to lower beam by 5mm	created by cpsop on cwo-ccc-b6lc
7	20:54	Beam 4034 LI No Hg; Beam set for 5mm lowering at the target	created by cpsop on cwo-ccc-b6lc
8	20:54	Summary logs of todays operations.   MERIT_Solenoid.xml_log0 MERIT_logging_14.xml_log0  MERIT_logging_24.xml_log0 created by cpsop on cwo-ccc-b4lc	

MERIT [Saturday 27-Oct-2007 Day]

#	Time	Comments
1	08:00	Ilias, Harold, Jacques in CCC; Van, Hugo, Heejin in MCR created by cpsop on cwo-ccc-b4lc
2	09:28	Continue with yesterday's tune. created by cpsop on cwo-ccc-b4lc
3	09:43	PS super cycle set to 12bp. MERIT (MDPS) set to 10bp. PS delay = $(10-1) * 1.2 - 7.83 = 2.97s$ (n the power supply control set to: 2970). Hg-loop delay = $(10-1) * 1.2 + 0.770 = 11.57s$. created by cpsop on cwo-ccc-b4lc
4	09:55	First beam on D3 dump at low intensity. created by cpsop on cwo-ccc-b4lc
5	10:38	Beam 5001 launched after some request issues were resolved created by cpsop on cwo-ccc-b6lc
6	10:40	Finally MDPS moved to bp=11. However all delays were set for bp10!. DIRAC is complaining for the missed cycle since PS is at 12 bp. After discussions it is decided to go back to yesterday's setting, i.e. 28bp in the PS machine. MERIT is scheduled for bp=26 which means: Hg-loop delay =

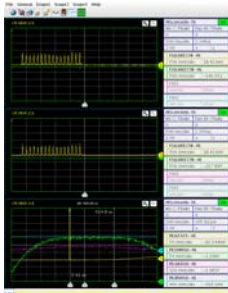
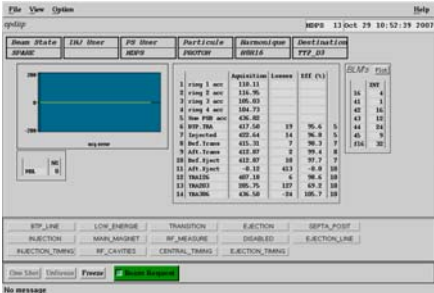
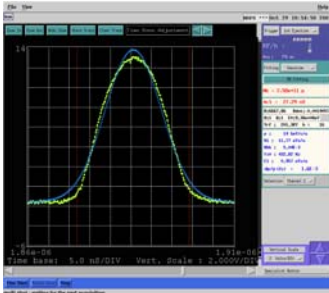
		(26-1)*1.2+0.77 = 30.77s, solenoid delay = (26-1)*1.2-7.83 = 22.170s (set the ps to : 22170). created by cpsop on cwo-ccc-b61c
7	11:22	Beam 5002 Test of beam request sequence and trigger timing created by cpsop on cwo-ccc-b61c
8	11:23	Beam 5003 5T Hg Loop at 15m/s All systems received triggers created by cpsop on cwo-ccc-b61c
9	11:31	Beam 5004 5T Hg Loop 15m/s High Intensity 10TP  5004_vp1_2ms.gif 5004_vp1_6ms.gif 5004_vp2_2400mus.gif created by cpsop on cwo-ccc-b61c
10	12:06	Beam 5005 dvt451 set from 0 to -4 A; created by cpsop on cwo-ccc-b61c
11	12:07	Beam 5006 Set dvt451` to -8A created by cpsop on cwo-ccc-b61c
12	12:24	Beam 5007 dvt451 set -8A Splat not seen in V1 or V2 but residual seen in V3 created by cpsop on cwo-ccc-b61c
13	12:25	v2: Signal from Hg pressure sensor was lost during this pulse. Not an unexpected occurrence since the sensor has on-board electronics.   200710071234.png 5008_vp2_0mus.gif 5008_vp2_200mus.gif  5008_vp2_400mus.gif 5008_vp2_600mus.gif 5008_vp2_800mus.gif  5008_vp2_1000mus.gif 5008_vp2_1200mus.gif 5008_vp3_10ms.gif

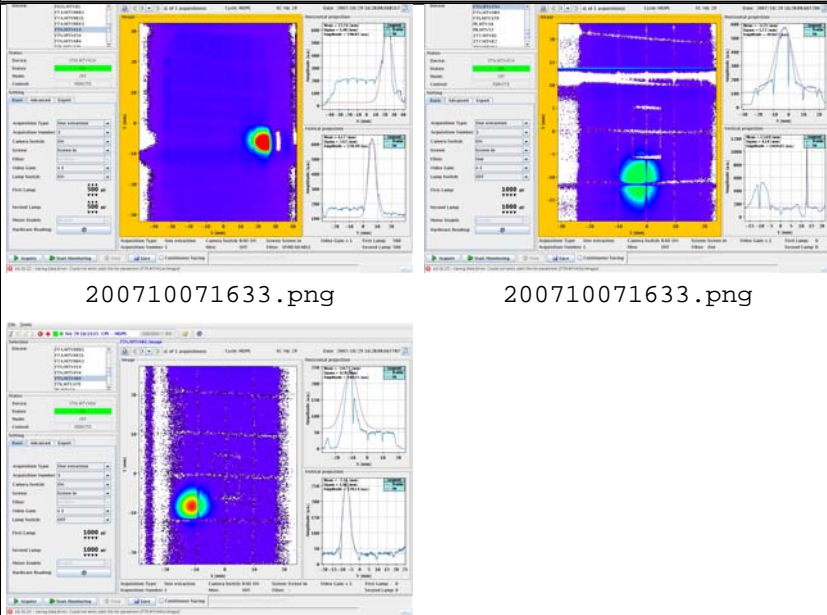
		created by merit on PCMERIT03
14	12:43	Beam 5009 Same as 5008 but 8 bunches for 5T total intensity. Splash greatly dimenished. created by cpsop on cwo-ccc-b61c
15	13:05	Adrian arrived. created by cpsop on cwo-ccc-b61c
16	13:44	late logbook entry: Beam 5010 at about 13:03. 5T. Hg pressure sensor back on-line for now. created by merit on PCMERIT03
17	13:46	late logbook entry: Beam 5011 at about 13:36 0T created by cpsop on cwo-ccc-b61c
18	13:47	Beam 5012 Repeat with 10TP and SMD frame rate set to 100us 5T created by cpsop on cwo-ccc-b61c
19	13:55	Pause to cooldown magnet to 80K. created by cpsop on cwo-ccc-b61c
20	14:18	Analysis of B5012 shows the the splash occured between V1 and V2. The beam spots on flags 1 and 2 support this. We will return to low intensity an recover our beam height. created by merit on PCMERIT03
21	14:28	Beam 5013 LI to look at beam position. H and V are OK. We will try HI again with these settings created by cpsop on cwo-ccc-b61c
22	15:11	Beam 5014 HI 15TP 0T 15m/s again no visible spash in V2. No clear evidence in V3 either. V1 is lost in the PCmerit 1 is now down. created by cpsop on cwo-ccc-b61c
23	15:27	vBeam 5015 HI 15TP 5T 15m/s S[ash occurs now before V2. Adjust dvt451 to -10a created by cpsop on cwo-ccc-b61c
24	15:36	Beam 5016. Big splash in V2!  5016_vp2_1100mus.gif created by merit on PCMERIT03
25	15:55	Beam 5017 20TP 5T 15m/s 1st half of V2 images black. Splasg aopears to be present. created by cpsop on cwo-ccc-b61c
26	17:45	Beam 4018 PS Beam off for ~1hr. Repeat Beam 5017 20TP 5T 15m/s created by cpsop on cwo-ccc-b61c
27	18:10	Splash apparently occurs between VP1 and VP2. We will lower the beam some more created by cpsop on cwo-ccc-b61c
28	18:11	Beam 5019 DVT 451 set at -14A 20TP 5T 15m/s 

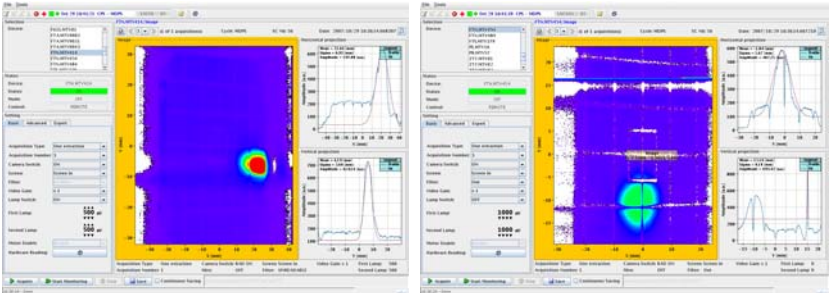
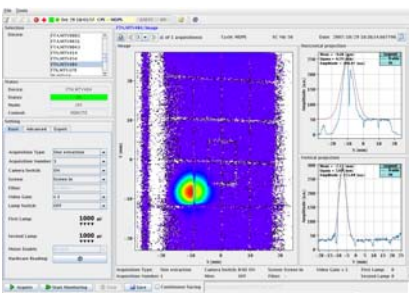
		5019_vp2_1000mus.gif	created by cpsop on cwo-ccc-b61c
29	18:20	Beam 5020 DVT451 set at -13A 20TP 10T 15m/s  5020_vp2_1000mus.gif	created by cpsop on cwo-ccc-b61c
30	18:22	Access from 17:00 to 17:30. recovered pcmerit08	created by merit on PCMERIT03
31	18:34	10T run successful; end of shift	created by cpsop on cwo-ccc-b61c
32	18:38	Summary: 2e14 protons accumulated on target today Please remind that solenoid logging data should be downloaded from METER or TIMBER.   MERIT_logging_14.xml_log0 MERIT_Solenoid.xml_log0  MERIT_logging_24.xml_log0	created by cpsop on cwo-ccc-b81c



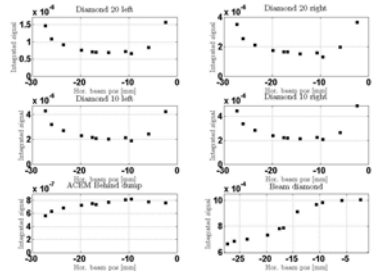
MERIT [Monday 29-Oct-2007 Day]

#	Time	Comments
1	09:00	MERIT run meeting in MCR (tel.: 75337): Ilias, Kirk, Harold, Heejin, Hugo, Marcus, Adrian program: run in pulse, horizontal scan, spot measurment, pump-probe at 14 GeV/c unless not otherwise specified, mercury loop ON during beam extraction. created by cpsop on cwo-ccc-b61c
2	10:11	Adrian in CCC (tel.: 70483) created by cpsop on cwo-ccc-b61c
3	10:11	Controls problem in CPS; can not change supercycle setup. experts working ... created by cpsop on cwo-ccc-b61c
4	10:25	Super-cycle 18s wityh overall 15 bp; MERIT is placed in basic period BPN=13; delay Hg loop $(BPN-1)*1.2+0.77=15.17$ seconds; Delay power supply $(13-1)*1.2-7.83=6.57$ created by cpsop on cwo-ccc-b61c
5	10:30	Controls problem resolved. created by cpsop on cwo-ccc-b61c
6	10:48	Delay power supply set to 6.57 s created by cpsop on cwo-ccc-b61c
7	10:49	MERIT safety chain in beam mode. created by cpsop on cwo-ccc-b61c
		set DVT451=-6 A. DVT353=4A. Beam prepared for B=0.42 T, 16 bunches, 4 TP

8	10:51	   <p>OASIS.png OpDisp.png BSM.png</p> <p>created by cpsop on cwo-ccc-b61c</p>
9	10:56	<p>Beam 6001; effectively a few minutes later; something like 11:01; no beam intensity as beam is cut by fire alarm.</p> <p>created by cpsop on cwo-ccc-b61c</p>
10	11:07	<p>Fire alarm exercise; left CCC just at start of exercise; could not stop beam monitors. flag data lost. redo this shot;</p> <p>created by cpsop on cwo-ccc-b61c</p>
11	11:26	<p>Beam 6002 (11:22am): beam position (notation MTV414_h_v/454_h_v/484_h_v) : 414: 9.2,-6.4 454:4.8,-10.1 484:0.7,-6.9</p> <p>created by cpsop on cwo-ccc-b61c</p>
12	11:48	<p>Beam 6003: 10TP, 5T, MTV414:8.5,-7.1 MTV454:5.7,-9.1 MTV484 too funny (beam seems very low)</p> <p>created by cpsop on cwo-ccc-b61c</p>
13	11:54	<p>Delay power supply set to 7.070 seconds</p> <p>created by cpsop on cwo-ccc-b61c</p>
14	12:03	<p>set DVT451=-10A.</p> <p>created by cpsop on cwo-ccc-b61c</p>
15	12:05	<p>beam 6004: 10TP, 5T, MTV414:9.0,-6.8 MTV454:5.2,-10.5 MTV484:0.8,-7.26</p> <p>created by cpsop on cwo-ccc-b61c</p>
16	12:30	<p>beam 6005: 10TP, 5T, BHZ409=610.68 mtv414: 8.0,-6.2 mtv454: 5.3,-9.3 mtv484: -0.1, -7.7</p> <p>created by cpsop on cwo-ccc-b61c</p>
17	12:35	<p>Delay power supply set to 6.77 seconds.</p> <p>created by cpsop on cwo-ccc-b61c</p>
18	12:41	<p>Beam 6006: 10TP, 5T, BHZ403=BHZ409=609.7A, MTV414:11.4,-6.2 MTV454:4.0,-10.2 MTV484:-1.7,-7.4</p> <p>created by cpsop on cwo-ccc-b61c</p>
19	12:48	<p>Delay power supply 6.67s</p> <p>created by cpsop on cwo-ccc-b61c</p>
20	12:50	<p>Beam 6007: 10TP, 5T, BHZ403=BHZ409=606.7A , MTV414:14.0,-6.5 MTV454:2.7,-10.3 MTV484:-4.4,-6.5</p> <p>created by cpsop on cwo-ccc-b61c</p>
21	13:03	<p>Preparing to move beam more to the left, including BHZ337. Preparing ...</p> <p>created by cpsop on cwo-ccc-b61c</p>
22	13:04	<p>Delay power supply set to 6.770 A.</p> <p>created by cpsop on cwo-ccc-b61c</p>
23	13:08	<p>Beam 6008: 10TP, 5T, BHZ403=BHZ409=606.76A, DHZ337=2A, MTV414:15.9,-7.1 MTV454:1,-9.9 MTV484:-5.2,-8.2</p> <p>created by cpsop on cwo-ccc-b61c</p>
24	13:19	<p>Beam 6009: 10TP, 5T, BHZ403=BHZ409=614.7 A, DHZ337=0.4A, MTV414:6.9,-7.3 MTV454:6.2,-9.8 MTV484:2.4,not funny</p> <p>created by cpsop on cwo-ccc-b61c</p>
25	13:29	<p>Beam 6010: 10TP, 5T, BHZ403=BHZ409=617.7 A, information on beam position monitors lost</p> <p>created by cpsop on cwo-ccc-b61c</p>
26	13:37	<p>Beam 6011: 10TP, 5 T, NO MERCURY TARGET, MTV414:2.4,-7.1 MTV454:8.0,not useful MTV484:4.5,-7.4</p> <p>created by cpsop on cwo-ccc-b61c</p>
		<p>Lunch break finished.</p>

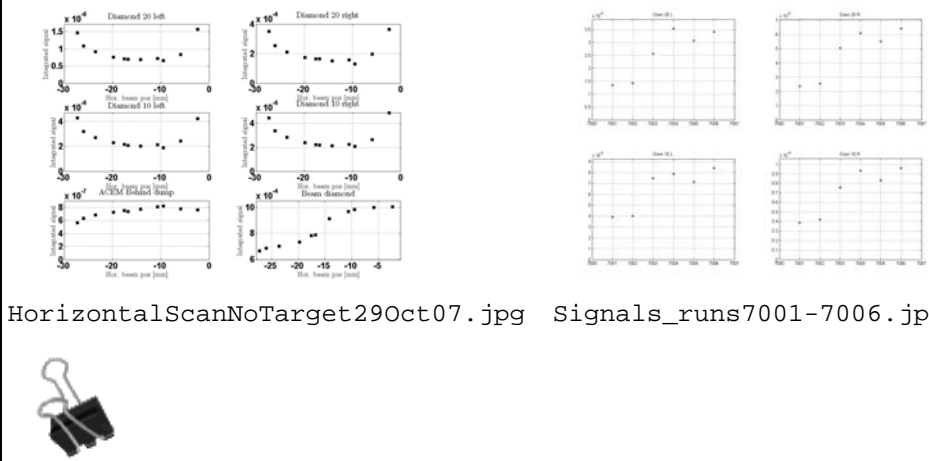
27	14:28	created by cpsop on cwo-ccc-b6lc
28	15:10	Repeating the horizontal scan from beam runs 6004 through 6010, but NO TARGET and no magnetic field. Intensity: 1 bunch with 2.5e11 created by cpsop on cwo-ccc-b6lc
29	15:11	Preparing 6004 beam settings for run 6012 ... created by cpsop on cwo-ccc-b6lc
30	15:21	Beam 6012 (like 6004): I=2.5e11, 0T, no target, BHZ403=BHZ409=612.7 A, DVT451=-10A, DHZ337=0.4 A, MTV414:7.8,-5.8 MTV454:6.6,-9.2 MTV484:1.0,-7.2 created by cpsop on cwo-ccc-b6lc
31	15:29	Beam 6013 (like 6005): BHZ409=610.7 A. MTV414:8.1,-6.0 MTV454:6.3,-9.0 MTV484:0.4,-7.7 created by cpsop on cwo-ccc-b6lc
32	15:33	Beam 6014 (like 6006): BHZ403=BHZ409=609.7A, MTV414:10.7,-6.0 MTV454:4.8,-9.1 MTV484:-1.8,-7.4 created by cpsop on cwo-ccc-b6lc
33	15:35	Beam 6015 (like 6006 and 6014): same created by cpsop on cwo-ccc-b6lc
34	15:40	Beam 6016 (like 6007): BHZ403=BHZ409=606.7A , MTV414:13.0,-6.2 MTV454:3.3,-9.4 MTV484:-3.7,-7.6 created by cpsop on cwo-ccc-b6lc
35	15:43	Beam 6017 (like 6008): DHZ337=2A, MTV414:16.3,-6.4 MTV454:2.0,-9.2 MTV484:-4.8,-7.6 created by cpsop on cwo-ccc-b6lc
36	15:46	Beam 6018 (like 6009): BHZ403=BHZ409=614.7 A, DHZ337=0.4A, MTV414:5.4,-6.4 MTV454:7.6,-9.0 MTV484:2.9,-7.4 created by cpsop on cwo-ccc-b6lc
37	15:52	Beam 6019 (like 6010): BHZ403=BHZ409=617.7 A, MTV414:1.4,-6.2 MTV454:9.4,-8.6 MTV484:5.3,-7.4 created by cpsop on cwo-ccc-b6lc
38	15:53	Scan at low intensity completed. Waiting for analysis through Bill Gates ... created by cpsop on cwo-ccc-b6lc
39	16:25	Analysis preliminarily concludes to extend scan one step to the right and several steps to the left. We start with full excursion to left (= -30mm). created by cpsop on cwo-ccc-b6lc
40	16:25	setting for beam 6020: BHZ403=BHZ409=598.7 A, DHZ337=2 A, DVT451=-10A, DVT353=4 A. created by cpsop on cwo-ccc-b6lc
41	16:26	 200710071633.png 200710071633.png 200710071633.png


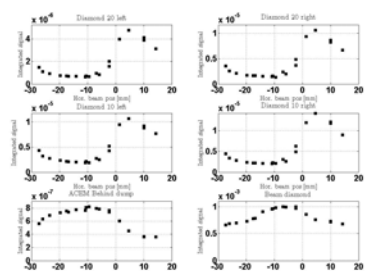

		created by cpsop on cwo-ccc-b61c
42	16:36	<p>Beam 6021: BHZ403=BHZ409=600.7 A. MTV414:23.0,-6.0 MTV454:-1.6,-9.5 MTV484:-10.1,-7.3</p>  <p>200710071641.png 200710071641.png</p>  <p>200710071642.png</p> <p>created by cpsop on cwo-ccc-b61c</p>
43	16:42	<p>Beam 6022: BHZ403=BHZ409=602.7 A. MTV414:21.1,-6.0 MTV454:-0.3,-9.5 MTV484:-8.4,-7.4</p> <p>created by cpsop on cwo-ccc-b61c</p>
44	16:49	<p>Beam 6023: BHZ403=BHZ409=604.7 A. MTV414:17.5,-5.8 MTV454:0.6,-9.5 MTV484:-6.5,-7.4</p> <p>created by cpsop on cwo-ccc-b61c</p>
45	16:55	<p>Analysis: Window center seems to be at beam line settings of run 6015. Preparing run with 16 bunches.</p> <p>created by cpsop on cwo-ccc-b61c</p>
46	16:57	<p>Beam settings for run 6024 (like 6015): BHZ403=BHZ409=609.7 A, DHZ337=0.4 A, 16 bunches, each 2.5e11 protons, total 4TP, no magnetic field</p> <p>created by cpsop on cwo-ccc-b61c</p>
47	17:00	<p>Beam 6024: see above for settings; MTV414:12.3,-6.4 MTV454:4.0,-9.7 MTV484:-1.9,-7.6</p> <p>created by cpsop on cwo-ccc-b61c</p>
48	17:12	<p>Beam 6025: same as beam 6024</p> <p>created by cpsop on cwo-ccc-b61c</p>
49	17:12	<p>In both 6024 and 6025 the mercury jet was launched out of sync with beam. The reason lies in the unannounced position change of the Merit cycle in the super-cycle. Waiting and investigating ...</p> <p>created by cpsop on cwo-ccc-b61c</p>
50	17:19	<p>The position is again BPN13. The first change of position was done at about 15:50. No impact on horizontal scan as magnetic field and mercury jet were not involved. Back to business ...</p> <p>created by cpsop on cwo-ccc-b61c</p>
51	17:21	<p>Beam 6026: settings as 6024; MTV414:11.6,-6.2 MTV454:4.0,-9.9 MTV484:-2.2,-7.6</p> <p>created by cpsop on cwo-ccc-b61c</p>
52	17:26	<p>Beam 6027: settings as 6024; beam positions on MTVs unchanged</p> <p>created by cpsop on cwo-ccc-b61c</p>
53	17:31	<p>Beam 6028: settings as 6024; 5T; beam positions on MTVs unchanged</p> <p>created by cpsop on cwo-ccc-b61c</p>

54	17:36	Beam 6029: settings as 6024; 5T; beam positions on MTVs unchanged created by cpsop on cwo-ccc-b6lc
55	17:40	Beam 6030: settings as 6024: 10T; beam positions on MTVs unchanged created by cpsop on cwo-ccc-b6lc
56	17:45	Beam 6031: settings as 6024: 10T; beam positions on MTVs unchanged created by cpsop on cwo-ccc-b6lc
57	18:12	Log summary of today's operations.  MERIT_logging_14.xml_log0 MERIT_logging_24.xml_log0  MERIT_Solenoid.xml_log0 created by cpsop on cwo-ccc-b6lc
58	18:13	Preliminary plot ...  HorizontalScanNoTarget29Oct07.jpg created by cpsop on cwo-ccc-b6lc


MERIT [Tuesday 30-Oct-2007 Day]

#	Time	Comments
1	08:45	Run-in meeting in MCR (75337): Ilias, Marcus, Hugo, Peter, Harold, Kirk (Heejin in Bern) created by cpsop on cwo-ccc-b6lc
2	09:27	CCC (Tel.: 70483): Adrian, Marcus, Ilias created by cpsop on cwo-ccc-b6lc
3	09:27	Beam agenda of the day: 1) target empty, 0-5-10 T, h=-15 mm, intensity= 4TP 2) target empty/full, 10 T, h=-12/-18 mm 3) pump-probe: initial tests: only pump, only probe, 4+4TP, 10T, h=-15 mmm, repeat shots three/two times at equal conditions 4) pump-probe: 2/20/200/400/630 mus (5 settings, repeat each twice?) created by cpsop on cwo-ccc-b6lc
4	09:48	MERIT cycle occupies BPN=12 out of 12. Delay mercury loop (12-1) *1.2+0.77=13.97 seconds; Delay power supply (12-1)*1.2-7.63=5.57 seconds created by cpsop on cwo-ccc-b6lc
5	09:54	Verifying beam settings ... created by cpsop on cwo-ccc-b6lc
6	10:14	Beam settings (like 6031 and 6006): 16 bunches, total 4TP, minimum bunch distances, BHZ403=BHZ409=609.7 A, DHZ337=0.4 A, DVT451=-10 A, DVT353=4 A created by cpsop on cwo-ccc-b6lc
7	10:19	Beam settings verified and proved correct. CCC ready for running ... created by cpsop on cwo-ccc-b6lc
8	10:39	Cryo purging ongoing ... Getting ready for beam 7001 ... created by cpsop on cwo-ccc-b6lc

9	10:43	Beam 7001: No target, power supply 200 A, MTV414:12.3,-6.0 MTV454:3.7,-9.5 MTV484:-2.8,-7.4 created by cpsop on cwo-ccc-b61c
10	10:53	Beam 7002: no target, 5T, beam positions on MTVs unchanged created by cpsop on cwo-ccc-b61c
11	10:59	Beam 7003: no target, 10T, beam positions on MTVs unchanged created by cpsop on cwo-ccc-b61c
12	11:09	Preparing beam settings like 6016 (corresponding to approx. -17 mm) created by cpsop on cwo-ccc-b61c
13	11:10	BHZ403=BHZ406=606.7 A, DHZ337=0.4 A, DVT353=4.0 A, DVT451=-10 A created by cpsop on cwo-ccc-b61c
14	11:15	Beam 7004: target in, 0T, MTV414:14.9,-6.0 MTV454:1.7,-9.8 MTV484:-4.8,-7.6 created by cpsop on cwo-ccc-b61c
15	11:28	Preparing to repeat exactly previous configuration to verify trigger situation of optical diagnostics and scintillating fiber ... created by cpsop on cwo-ccc-b61c
16	11:36	Beam 7005: target in, 0T, beam positions on MTVs unchanged created by cpsop on cwo-ccc-b61c
17	11:39	Preparing to repeat previous shot at 10T ... created by cpsop on cwo-ccc-b61c
18	11:43	Beam 7006: with target, 10T, beam positions on MTVs unchanged created by cpsop on cwo-ccc-b61c
19	11:53	Preliminary graphs from particle detectors ...  HorizontalScanNoTarget29Oct07.jpg Signals_runs7001-7006.jpg Runs_6030_6031_7006.txt created by cpsop on cwo-ccc-b61c
20	11:57	Cooling started. Reconvene at approx. 12:30 created by cpsop on cwo-ccc-b61c
21	12:27	Preparing to extend horizontal scan from 6012-6019 to the right ... BHZ403=BHZ409=612.7 A, DVT451=-10 A, DHZ337=0.4 A, DVT353=4 A. 0T, no target created by cpsop on cwo-ccc-b61c
22	12:29	Beam 7007: MTV information lost ... created by cpsop on cwo-ccc-b61c
23	12:33	Beam 7008: MTV414:9.2,-6.0 MTV454:5.3,-9.1 MTV484:0.1,-7.6 created by cpsop on cwo-ccc-b61c
24	12:39	Beam 7009: BHZ403=BHZ409=615.7 A, MTV414:6.2,-6.4 MTV454:7.6,-9.1 MTV484:2.9,-7.6 created by cpsop on cwo-ccc-b61c
25	12:42	Beam 7010: BHZ403=BHZ409=618.7 A, MTV414:1.9,-6.2 MTV454:9.4,-9.1 MTV484:5.6,-7.7 created by cpsop on cwo-ccc-b61c
26	12:51	Beam 7011: BHZ403=BHZ409=621.7 A, MTV414:-1.7,-5.8 MTV454:11.2,-8.7 MTV484:8.0,-7.6


		created by cpsop on cwo-ccc-b61c
27	12:56	Beam 7012: BHZ403=BHZ409=624.7 A, MTV414:-6.2,-6.4 MTV454:13.0,-8.7 MTV484:10.3,-7.6 created by cpsop on cwo-ccc-b61c
28	13:01	Beam 7013: BHZ403=BHZ409=627.7 A, MTV414:-9.2,-5.8 MTV454:14.4,-8.8 MTV484:13.0,-7.6 created by cpsop on cwo-ccc-b61c
29	13:10	Beam 7014 (in fact 13:05): same as 7013 created by cpsop on cwo-ccc-b61c
30	13:11	Beam 7015: BHZ403=BHZ409=630.7 A, MTV414:-13.5,-5.8 MTV454:16.4,-8.4 MTV484:15.7,-7.9 created by cpsop on cwo-ccc-b61c
31	13:20	Preparing beam 7016 which is similar to 6012 but with 16 bunches and a total of 4TP created by cpsop on cwo-ccc-b61c
32	13:34	Beam 7016: target in, MTV414:8.2,-5.8 MTV454:5.3,-9.6 MTV484:0.8, not readable created by cpsop on cwo-ccc-b61c
33	14:16	After lunch quick analysis ...  runs_6030_6031_7006_7016.pdf  HorizontalScanNoTarget30Oct07extended.jpg created by cpsop on cwo-ccc-b61c
34	14:33	Preparing 7017 like 7016 without target ... created by cpsop on cwo-ccc-b61c
35	14:37	Beam 7017: MTV414:9.2,-6.6 MTV454:5.3,-9.7 MTV484:0.1,-7.6 created by cpsop on cwo-ccc-b61c
36	14:49	Beam 7018: spot measurement, same settings as 7017, but 1TP in 4 bunches, created by cpsop on cwo-ccc-b61c
37	14:51	Beam 7019: spot measurement, quads: 249.55 and 188.77 Amps created by cpsop on cwo-ccc-b61c
38	14:54	Beam 7020: spot measurement, quads: 243.62 and 183.52 Amps created by cpsop on cwo-ccc-b61c
39	15:05	new analysis  runs_6030_6031_7006_7016_7003_7017.pdf created by cpsop on cwo-ccc-b61c
40	15:18	Preparing 7021 with settings of 7006 (quads again 233.43 and 167.58) to shoot at -17 mm and no target, 10T created by cpsop on cwo-ccc-b61c
41	16:02	Beam 7021 (was 2 minutes earlier): like 6006, no target, 0T, MTV414:14.9,-6.0 MTV454:1.2,-9.7 MTV484:-4.5,-7.6 created by cpsop on cwo-ccc-b61c
42	16:02	Beam 7022: (like 6013), no target, 0T, MTV414:10.4,-6.2 MTV454:4.7,-9.6 MTV484:-0.6,-7.9 created by cpsop on cwo-ccc-b61c
43	16:13	Beam 7023 (like 7022): with target, 10T, MTV414:10.2,-6.0 MTV454:5.0,-9.2 MTV484:-0.2,-7.9



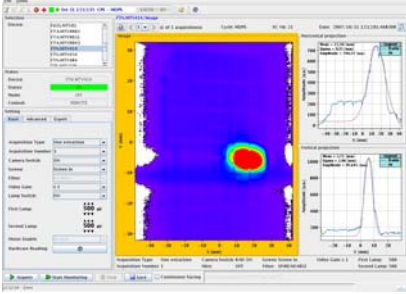
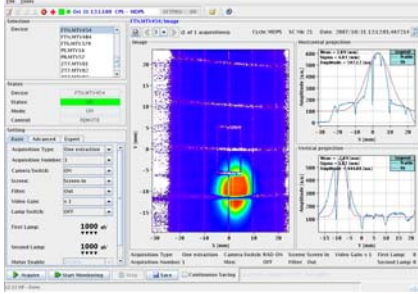
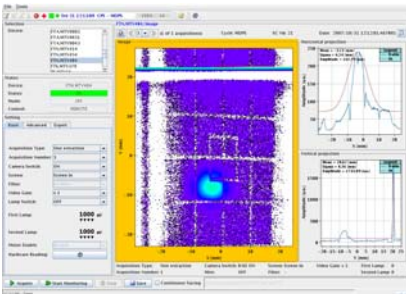
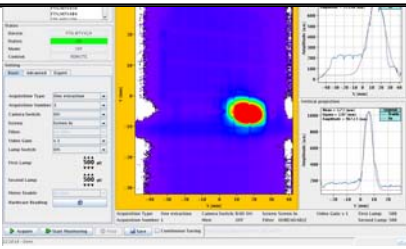
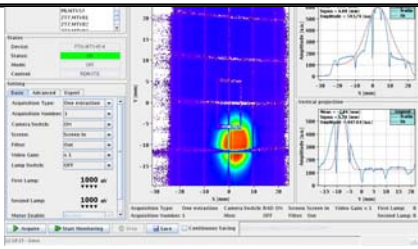
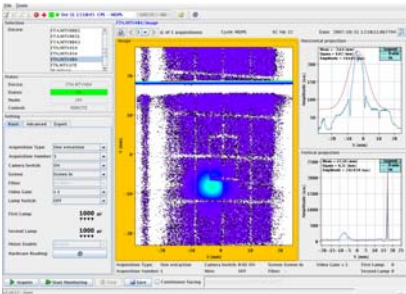
NEW PAGE 49 OF 99

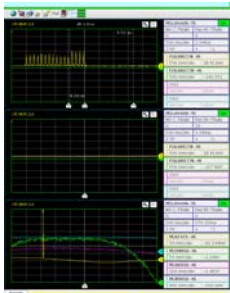
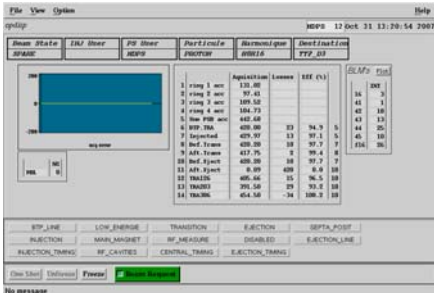
		created by cpsop on cwo-ccc-b6lc
44	16:22	Beam 7024 (like 7023): no target, 10 T, MTV414:9.2,-7.1 MTV454:4.8,-9.5 MTV484:-0.3,-7.9 created by cpsop on cwo-ccc-b6lc
45	16:26	Beam 7025 (like 7021): no target, 10T, MTV414:15.0,-6.3 MTV454:1.2,-9.7 MTV484:-4.8,-7.4 created by cpsop on cwo-ccc-b6lc
46	16:31	Cryostat cooling ... Beam data taking on hold for analysis ... created by cpsop on cwo-ccc-b6lc
47	19:01	Summary of today's operations.  MERIT_logging_14.xml_log0 created by cpsop on cwo-ccc-b6lc


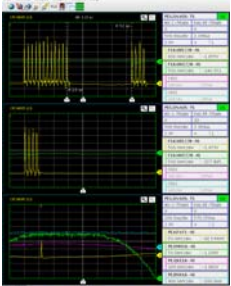
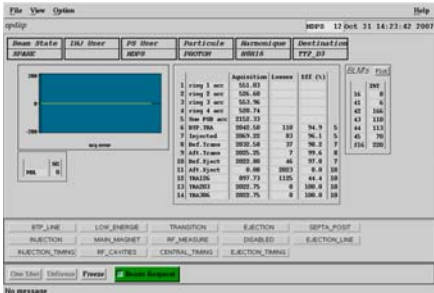
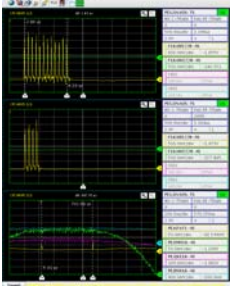

MERIT [Wednesday 31-Oct-2007 Day]

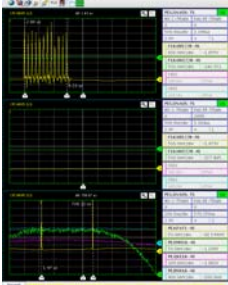
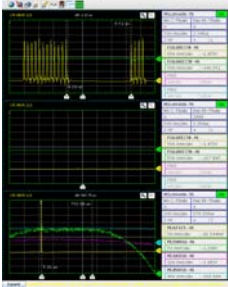
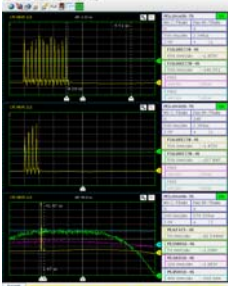
#	Time	Comments
1	08:00	CCC (Tel.: 70483): Adrian, Rende MCR (Tel.: 75337 or 75662): Harold, Hugo, Kirk, Peter, Heejin, Roger created by cpsop on cwo-ccc-b6lc
2	08:06	agenda: - Horizontal scan: 0T, 16 bunches, 4TP, with and without target - pump-probe (finally?) created by cpsop on cwo-ccc-b6lc
3	08:18	MERIT cycle occupies BPN=12 out of 28. Delay mercury loop (12-1) *1.2+0.77=13.97 seconds; Delay power supply (12-1)*1.2-7.63=5.57 seconds created by cpsop on cwo-ccc-b6lc
4	08:58	Marcus there. created by cpsop on cwo-ccc-b6lc
5	08:58	DVT353=4A, DVT451=-10A, DHZ337=0.4A, no magnetic field for the next shots Preparing beam 8001: like 7010: BHZ403=BHZ409=618.7 = beam position 0 mm created by cpsop on cwo-ccc-b6lc
6	09:07	Beam 8001 (like 7010): no target, BHZ403=BHZ409=618.7A, MTV414:2.1,-5.4 MTV454:9.6,-9.5 MTV484:6.3,-7.7 created by cpsop on cwo-ccc-b6lc
7	09:15	Beam 8002: with target, MTV 414:2.1,-5.2 MTV454:9.4,-9.2 MTV484:6.3,-7.9 created by cpsop on cwo-ccc-b6lc
8	09:17	Preparing position -5 mm ... created by cpsop on cwo-ccc-b6lc
9	09:22	Beam 8003 (like 7009): with target, BHZ403=BHZ409=615.7A, MTV414:4.5,-5.6 MTV454:8.1,-9.2 MTV484:4.1,-7.7 created by cpsop on cwo-ccc-b6lc
10	09:26	Beam 8004: no target, BHZ403=BHZ409=615.7A, beam positions on MTVs unchanged created by cpsop on cwo-ccc-b6lc
11	09:28	Preparing beam position -10 mm ... created by cpsop on cwo-ccc-b6lc
12	09:32	Beam 8005 (like 6013): with target, BHZ403=612.7, BHZ409=610.7A, MTV414:8.5,-5.8 MTV454:5.5,-9.4 MTV484:0.7,-7.1 created by cpsop on cwo-ccc-b6lc
13	09:35	Beam 8006: no target, MTV414:8.1,-6.0 MTV454:5.5,-9.4 MTV484:1.0,NA created by cpsop on cwo-ccc-b6lc
14	09:37	Evaluating and preparing beam position -15 mm ... created by cpsop on cwo-ccc-b6lc
		Beam 8007 (like 7001): with target, BHZ403=BHZ409=609.7A, MTV414:11.1,-



15	09:44	6.2 MTV454:4.6,-9.4 MTV484:-1.5,-7.3 created by cpsop on cwo-ccc-b61c
16	09:48	Beam 8008: no target, beam positions on MTVs unchanged created by cpsop on cwo-ccc-b61c
17	09:51	Beam 8009: with target, beam positions unchanged created by cpsop on cwo-ccc-b61c
18	09:57	Beam 8010: with target, beam positions unchanged created by cpsop on cwo-ccc-b61c
19	10:00	Beam 8011: no target, beam positions unchanged created by cpsop on cwo-ccc-b61c
20	10:03	Preparing position -20 mm ... created by cpsop on cwo-ccc-b61c
21	10:08	Beam 8012 (like 6023): with target, BHZ403=BHZ403=604.7A, DHZ337=2A, MTV414:18.7,-5.4 MTV454:-0.4,-9.2 MTV484:-5.8,-7.6 created by cpsop on cwo-ccc-b61c
22	10:11	Beam 8013: no target, beam positions on MTVs unchanged created by cpsop on cwo-ccc-b61c
23	10:13	Preparing position -25 mm ... created by cpsop on cwo-ccc-b61c
24	10:15	Beam 8014: with target, MTV414:NA,-5.2 MTV454:-1.6,-9.5 MTV484:-9.0,-7.1 created by cpsop on cwo-ccc-b61c
25	10:19	Beam 8015: no target, beam positions on MTVs unchanged created by cpsop on cwo-ccc-b61c
26	10:34	Pre-analysis ongoing ... created by cpsop on cwo-ccc-b61c
27	10:35	Graph of horizontal scan of runs 8001-8015  Horizontal scan Oct 31.pdf created by cpsop on cwo-ccc-b61c
28	10:50	Adrian came back from ... created by cpsop on cwo-ccc-b61c
29	10:51	Preparing beam position -15mm, 4TP (16 bunches), 3 shots each with and without target, 5T ... BHZ403=BHZ409=609.7 A, DHZ337=0.4 A, DVT353=4 A, DVT451=-10A created by cpsop on cwo-ccc-b61c
30	10:55	Beam 8016: with target, MTV414:11.6,-5.8 MTV454:4.0,-9.2 MTV484:-1.2,-7.9 created by cpsop on cwo-ccc-b61c
31	10:59	Beam 8017: no target, beam positions on MTVs unchanged created by cpsop on cwo-ccc-b61c
32	11:05	Beam 8018: with target, beam positions unchanged created by cpsop on cwo-ccc-b61c
33	11:08	Beam 8019: no target, beam positions unchanged created by cpsop on cwo-ccc-b61c
34	11:13	Beam 8020: with target, NO BEAM (inhibit due to losses in accelerators) created by cpsop on cwo-ccc-b61c
35	11:15	Waiting for the machines to recover ... created by cpsop on cwo-ccc-b61c
36	11:30	Machines are back. created by cpsop on cwo-ccc-b61c
37	11:31	Beam 8021: with target, MTV414:12.7,-5.4 MTV454:3.9,-9.4 MTV484:-0.4,-7.4 created by cpsop on cwo-ccc-b61c
38	11:36	Beam 8022: no target, MTV414:12.6,-5.6 MTV454:4.5,-9.4 MTV484:-0.1,-7.4 created by cpsop on cwo-ccc-b61c
		Measurement series completed. Analysis ...


39	11:38	created by cpsop on cwo-ccc-b61c
		Analysis including B-field measurements ...
40	11:46	 Horizontal scan Oct 31_withBfield.pdf  Horizontal scan Oct 31withBfield_updatedForBeamPositions.pdf created by cpsop on cwo-ccc-b61c
41	12:07	Calibration shots for particle detectors BHZ403=BHZ409=606.7 A created by cpsop on cwo-ccc-b61c
42	12:12	Beam 8023: single bunch 2.5E11.  200710071213.png  200710071213.png  200710071213.png created by cpsop on cwo-ccc-b61c
43	12:15	Beam 8024: singel bunch 2.5E11. created by cpsop on cwo-ccc-b61c
44	12:18	 200710071218.png  200710071219.png  200710071219.png

		created by cpsop on cwo-ccc-b61c
45	12:22	Beam 8026: two bunches, minimum separation, MTV414:14.9,-5.6 MTV454:3.0,-9.4 MTV484:-2.8,-7.1 created by cpsop on cwo-ccc-b61c
46	12:25	Beam 8027: two bunches, minimum separation, beam positions on MTVs unchanged created by cpsop on cwo-ccc-b61c
47	12:27	Beam 8028: two bunches, minimum separation, beam positions on MTVs unchanged created by cpsop on cwo-ccc-b61c
48	12:30	Measurement series completed. created by cpsop on cwo-ccc-b61c
49	12:32	Preparing pump-probe setup ... BHZ403=BHZ409=609.7 A, DVT451=-10 A, DHZ337=0.4 A (was 0.5 A !!!), DVT353=4A created by cpsop on cwo-ccc-b61c
50	12:32	Test pulses at 4TP, 12+4 bunches, separation dt=2.23 mus created by cpsop on cwo-ccc-b61c
51	12:45	Machines stopped due to radiation alarm ... created by cpsop on cwo-ccc-b61c
52	12:47	Similar machine problem than in the morning ... expert called ... delay of at least 30 minutes ... created by cpsop on cwo-ccc-b61c
53	13:01	Machines are back ... continuing test shots created by cpsop on cwo-ccc-b61c
54	13:02	MTV414:12.5,-5.6 MTV454:4.5,-9.8 MTV484:-0.6,-7.6 created by cpsop on cwo-ccc-b61c
55	13:05	MTV414:12.5,-5.4 MTV454:4.3,-9.7 MTV484:-0.5,-7.6 created by cpsop on cwo-ccc-b61c
56	13:17	Preparing beam position -13.5 mm, 4TP (16 bunches), 7T, 3 shots with and 1 shot without target BHZ403=BHZ409=606.7 A, DHZ337=0.4 A, DVT353=4 A, DVT451=-10A  200710071318.png  200710071320.png created by cpsop on cwo-ccc-b61c
57	13:21	Beam 8029: with target, MTV414:14.6,-5.8 MTV454:2.6,-9.5 MTV484:-2.9,-7.3 created by cpsop on cwo-ccc-b61c
58	13:24	Possibly an issue with the optical diagnostics ...? resolved created by cpsop on cwo-ccc-b61c
59	13:28	Beam 8030: with target, MTV414:14.9,-5.8 MTV454:2.6,-9.4 MTV484:-3.2,-7.3 created by cpsop on cwo-ccc-b61c
60	13:32	Beam 8031: no target, MTV414:14.9,-5.8 MTV454:2.6,-9.4 MTV484:-2.8,-7.1 created by cpsop on cwo-ccc-b61c
61	13:37	Beam 8032: with target, MTV414:13.7,-5.8 MTV454:2.5,-9.4 MTV484:-2.9,-7.6

		created by cpsop on cwo-ccc-b61c
62	13:40	Beam 8033: no target, MTV414:14.7,-5.8 MTV454:2.5,-9.5 MTV484:-3.2,-7.4 created by cpsop on cwo-ccc-b61c
63	13:58	Analysis of preparing pump-probe method  DetectorData8029-8032.pdf created by cpsop on cwo-ccc-b61c
64	14:14	Preparing pump-probe ... keeping steering settings ... 16 bunches with total 20TP, 7T created by cpsop on cwo-ccc-b61c
65	14:17	Magnet purging ... created by cpsop on cwo-ccc-b61c
66	14:22	pump-probe spacing 2.23 mus  OASIS.png  OpDisp.png created by cpsop on cwo-ccc-b61c
67	14:25	Beam 8034: MTV screens out of beam created by cpsop on cwo-ccc-b61c
68	14:34	Beam 8035: MTV414:14.7,-6.4 MTV454:1.0,-9.8 MTV484:-3.3,-7.4 created by cpsop on cwo-ccc-b61c
69	14:49	Preparing pump-probe delay 697 mus. KFA71 intershot delay: 2666 RF periods h8 dt last bunch pump to first bunch probe = 701.09 mus (Markus Delay = 698.64).  OASIS pump (12) and Probe (4).png created by cpsop on cwo-ccc-b51c
70	14:52	Beam 8036: no B-field, no target, MTV414:13.9,-5.8 MTV454:0.4,NA MTV484:-3.0,-7.6 created by cpsop on cwo-ccc-b61c
71	14:56	Beam 8037: with target, 7T, beam positions on MTVs unchanged created by cpsop on cwo-ccc-b61c
72	15:01	Beam 8038: no target, 7T, SHOT FAILED. Machines did not deliver protons for a few cycles. created by cpsop on cwo-ccc-b61c
73	15:01	Cooling started ... created by cpsop on cwo-ccc-b61c
		Beam 8039: no target, 0T, probe only 

		OASIS probe only.png	
74	15:06		created by cpsop on cwo-ccc-b61c
75	15:16	<p>Beam 8040: no target, 0T, pump only</p>  <p>OASIS pump only.png</p>	created by cpsop on cwo-ccc-b61c
76	15:20	Continue with pump-probe method ... as soon as magnet is cold.	created by cpsop on cwo-ccc-b61c
77	15:58	Beam 8041: with target, 7T, beam positions unchanged on MTVs	created by cpsop on cwo-ccc-b61c
78	16:02	Beam 8042: no target, 7T, beam positions unchanged on MTVs	created by cpsop on cwo-ccc-b61c
79	16:05	<p>Preparing for target empty shot in pump-probe 2.23 mus configuration</p>  <p>OASIS pump probe dt 2.23mus.png</p>	created by cpsop on cwo-ccc-b61c
80	16:07	Beam 8043: no target, 7T, beam positions on MTVs unchanged	created by cpsop on cwo-ccc-b61c
81	16:20	<p>preparing pump-probe method with separation of about 40 mus KFA71 intershot delay: 146 RF periods h8. dt gap = 37.97 mus.</p>  <p>OASIS.png</p>	created by cpsop on cwo-ccc-b51c
82	16:26	Beam 8044: with target, 7T, MTV414:15.1,-5.8 MTV454:0.7,-9.4 MTV484:-3.7,-7.4	created by cpsop on cwo-ccc-b61c

83	16:30	Cooling started ... <i>created by cpsop on cwo-ccc-b6lc</i>
84	17:19	Cooling finished. <i>created by cpsop on cwo-ccc-b6lc</i>
85	17:20	Beam 8045: with target, 7T, beam position strange - to be followed up in next shot. <i>created by cpsop on cwo-ccc-b6lc</i>
86	17:26	Beam 8046: no target, 0T, beam position indicated correctly in MTV484:-3.8,-7.6 <i>created by cpsop on cwo-ccc-b6lc</i>
87	17:32	Beam 8047: no target, 7T, beam position indicated correctly in MTV484:-3.5,-7.6 <i>created by cpsop on cwo-ccc-b6lc</i>
88	17:36	On run 8047 pcmerit07 shutdown - recovering ... <i>created by cpsop on cwo-ccc-b6lc</i>
89	18:30	Access to zone Z - particle detector system recovered. <i>created by cpsop on cwo-ccc-b6lc</i>
90	18:30	<p>Today's run summary.</p> <div>   </div> <p>MERIT_logging_14.xml_log0 MERIT_ProjectedBeamPositions.xls <i>created by cpsop on cwo-ccc-b6lc</i></p>

Dump the eLogbook from the date:  to the date: 



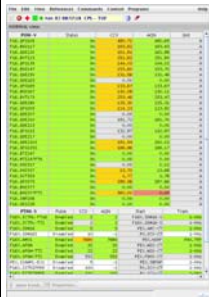

MERIT [Thursday 01-Nov-2007 Day]

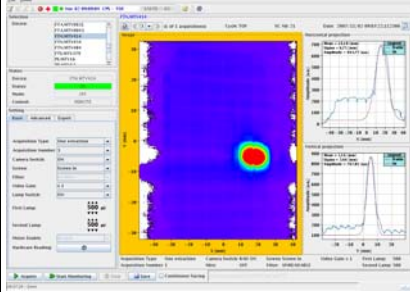
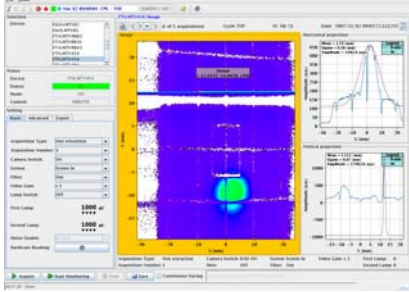
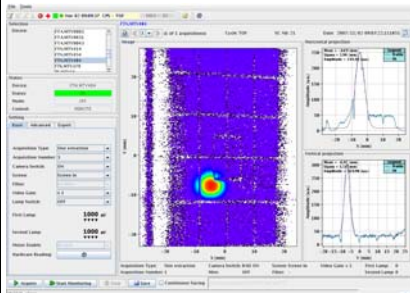
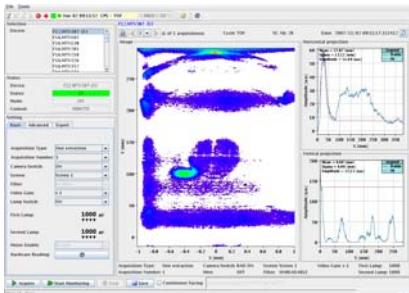
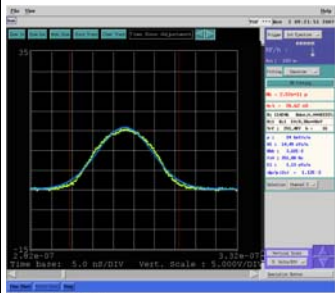

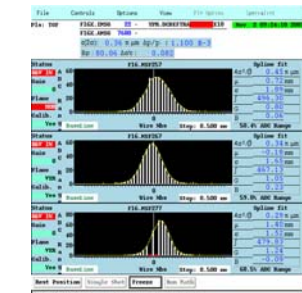
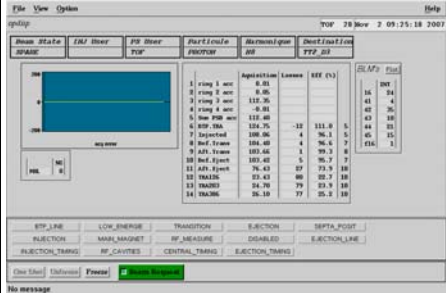
#	Time	Comments
1	08:00	CCC (70483): MCR (Tel.: 75337 or 75662): <i>created by merit on PCMERIT03</i>
2	08:02	Today's run agenda: - <i>created by merit on PCMERIT03</i>
3	08:03	MERIT cycle occupies BPN=??? out of ??. Delay mercury loop (???-1)*1.2+0.77=??? seconds; Delay power supply (???-1)*1.2-7.63=??? seconds <i>created by merit on PCMERIT03</i>
4	08:27	Struggling the whole day to set the power supplies for FTN line to the nominal values. Thanks to the magic touch of Andre Beuret we managed to get them right at the end of the afternoon. The knobs were set to the new max values as well: QFO415=430A, QDE430=450A. Nominal values for 24 GeV/c beam: QFO415=400.17A, QDE430=287.28A (spot at the hg-target). <i>created by cpsop on cwo-ccc-b6lc</i>

MERIT [Thursday 01-Nov-2007 Night]

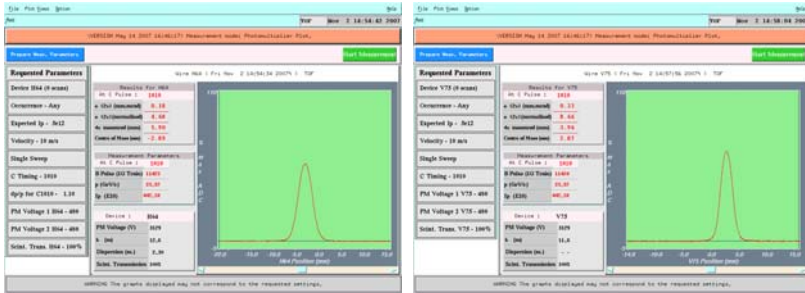
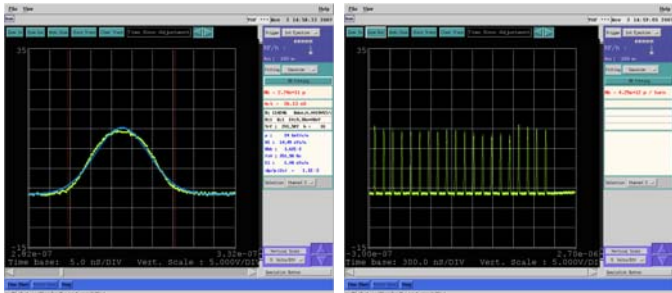

#	Time	Comments
1	20:00	 <i>created by cpsop on cwo-ccc-b6lc</i>

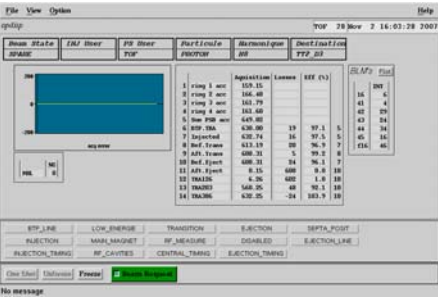
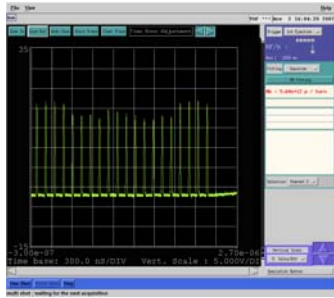
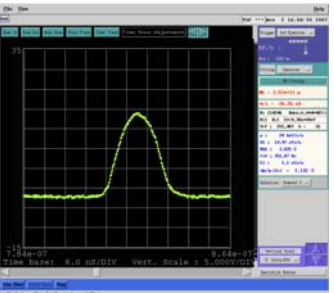
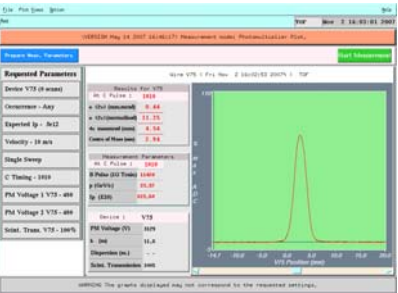
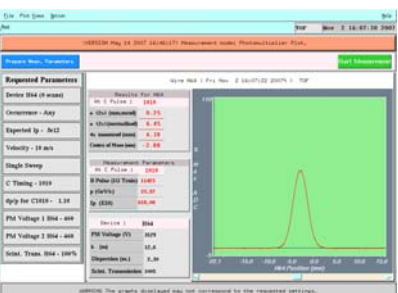
MERIT [Friday 02-Nov-2007 Day]


#	Time	Comments
1	08:00	Rende, Marcus, Ilias on the hotseat! <i>created by cpsop on cwo-ccc-b6lc</i>
2	08:31	PS in MD3-NTOF configuration. MERIT cycle in bp.27/28. Delays to set: Hg-loop = (27-1)*1.2+0.77 = 31.97, solenoid power supply = (27-1)*1.2-7.63 = 23.57. <i>created by cpsop on cwo-ccc-b6lc</i>
3	08:44	Important: in the beam request panel set the cycle to NTOF instead of MDPS. PS in h16. Starting intensity 2.5e11 protons / bunch (one ie unit!) <i>created by cpsop on cwo-ccc-b6lc</i>
4	08:55	Beam line settings. Currents scaled from the 14 GeV/c tunes.  

		200711070857.png 200711070857.png	created by cpsop on cwo-ccc-b61c
5	08:58	Set currents: DVT.451 = -17.15A (from -10.A@14GeV/c), BHZ403-409=1040A (from 606.7@14GeV/c), DHZ337=0.7A(from 0.4A - note: with 13.7A the beam is well centered for the D3 dump line), DHZ353=6.8(from 4A@14GeV/c).	created by cpsop on cwo-ccc-b61c
6	09:05	Run 9001: no field, no target. MTV414=17.3,-4.9, MTV454=2.15,-8.54, MTV484=-4.4,-6.93. Beam spot size: MTV414=	
		  MTV414-200711070909.png MTV454-200711070909.png	
		  MTV484-200711070909.png F12.MTV387-D3.png	created by cpsop on cwo-ccc-b61c
7	09:21	PS beam characteristics. SEM-FIL TT2 grid 1 stuck on horizontal (no vertical measurement).	
		   BSM.png SEM-FIL TT2 Hor.png SEM-FIL TT2 VER.png	
		 OpDisp.png	created by psbop on cwo-ccc-b51c
8	09:31	BHZ403-409 set to 1042.6(was 1040.0A).	created by cpsop on cwo-ccc-b61c
9	09:35	Adrian just came in CCC ...	created by cpsop on cwo-ccc-b61c
		Beam 9002: MTV414:15.2,-5.0 MTV454:3.3,-8.4 MTV484:-3.2,-6.8	

10	09:45	created by cpsop on cwo-ccc-b61c
11	09:58	Update on beam timing: In the case of 24 GeV/c formula changes to: Delay Hg-loop (BPN-1)*1.2+1.02=32.22; Delay power supply (27-1)*1.2-7.38=23.82 seconds (for additional info: In the case of 24 GeV/c the extraction takes place 1.02 seconds after the start of the allocated BPN.) created by cpsop on cwo-ccc-b61c
12	09:59	Delay power supply set to 24.12 (was 23.82) seconds. created by cpsop on cwo-ccc-b61c
13	10:16	Preparing Beam 9003: BHZ403=BHZ409=1045.24 A created by cpsop on cwo-ccc-b61c
14	10:21	Beam 9003: with target, 5T, MTV414:14.4,-4.8 MTV454:3.7,-8.4 MTV484:-2.2,-6.8 created by cpsop on cwo-ccc-b61c
15	10:29	Preparing Beam 9004: 16 bunches, total 4TP created by cpsop on cwo-ccc-b61c
16	10:35	Beam 9004: with target, 5T, MTV414:15.6,-4.8 MTV454:2.6,-9.1 MTV484:-2.7,NA created by cpsop on cwo-ccc-b61c
17	10:48	No splashes observed ... moving to beam position of beam 9002 (BHZ403=BHZ409=1042.64 A) created by cpsop on cwo-ccc-b61c
18	10:50	Beam 9005: with target, 5T, MTV414:16.3,-5.6 MTV454:2.2,-8.8 MTV484:-3.9,-6.8 created by cpsop on cwo-ccc-b61c
19	10:59	Prepare Beam 9006: lift beam, set DVT353=7.8 A (was 6.8 A). created by cpsop on cwo-ccc-b61c
20	11:05	Beam 9006: with target, 5T, MTV414:16.3,-6.6 MTV454:1.9,-8.7 MTV484:-4.1,-6.6 created by cpsop on cwo-ccc-b61c
21	11:09	Preparing beam 9007: move more up, set DVT353=10 A (was 7.8 A). created by cpsop on cwo-ccc-b61c
22	11:11	MCR is working on pcmerit08 (located in TT2) which is showing misbehaviour ... created by cpsop on cwo-ccc-b61c
23	11:22	Cooling initiated ... created by cpsop on cwo-ccc-b61c
24	11:29	Access to Zone Z for pcmerit08 ... created by cpsop on cwo-ccc-b61c
25	12:06	Access finished. pcmerit08 removed. it does not start up. to be investigated in MCR ... created by cpsop on cwo-ccc-b61c
26	12:15	TT2 quadrupole problem. CCC investigating ... created by cpsop on cwo-ccc-b61c
27	12:19	Pcmerit08 is not booting at all (even without frame grabber). pcmerit06 to be installed with frame grabber. Get another pc from the stores by urgent demand as a spare device. created by cpsop on cwo-ccc-b61c
28	13:03	TT2 quad problem persists ... created by cpsop on cwo-ccc-b61c
29	13:04	Access to Zone Z to reinstall pcmerit06 instead of pcmerit 08 created by cpsop on cwo-ccc-b61c
30	14:06	pcmerit06 128.141.71.8 created by cpsop on cwo-ccc-b61c
31	14:10	Access finished created by cpsop on cwo-ccc-b61c
32	14:29	Quad problem "fixed". created by cpsop on cwo-ccc-b61c
33	14:42	Run 9007: empty beam! inhibit was on.

			created by cpsop on cwo-ccc-b61c
34	14:53	Run 9008: MTV414=16.57,-8.7, MTV454=2.0,-8.4, MTV484=-3.7,-5.8	created by cpsop on cwo-ccc-b61c
35	14:55	PS beam emittance before extraction (16 bunches 2.5E11 per bunch).  FWSH64.png FWSV75.png  BSM single bunch.png BSM last turn all 16 bunches.png	created by psbop on cwo-ccc-b51c
36	15:01	Preparing 3 TP (12 bunches) ...	created by cpsop on cwo-ccc-b61c
37	15:04	Beam 9009: with target, 5T, MTV414:16.1,-8.5 MTV454:2.5,-8.4 MTV484:-4.3,-5.8	created by cpsop on cwo-ccc-b61c
38	15:14	Preparing 2TP (8 bunches) and DVT353=8.4 A ...	created by cpsop on cwo-ccc-b61c
39	15:17	Beam 9010: with target, 5T, MTV414:16.1,-6.6 MTV454:2.5,-8.8 MTV484:-4.1,-6.6	created by cpsop on cwo-ccc-b61c
40	15:29	Beam 9011: 2.5 TP, with target, 5T, beam distorted by the kicker, not useful MTV information.	created by cpsop on cwo-ccc-b61c
41	15:29	to be repeated ...	created by cpsop on cwo-ccc-b61c
42	15:33	Beam 9012: 2.5 TP, with target, 5T, MTV414:17.3,-6.4 MTV454:2.2,-8.7 MTV484:-3.7,-6.3	created by cpsop on cwo-ccc-b61c
43	15:38	Preparing 3TP ...	created by cpsop on cwo-ccc-b61c
44	15:40	Beam 9013: with target, 5T, Beam distorted by quadrupole failure ...	created by cpsop on cwo-ccc-b61c
45	15:50	Beam 9014: with target, 5T, MTV414:16.6,-6.8 MTV454:1.7,-9.0 MTV484:-4.1,-6.3	created by cpsop on cwo-ccc-b61c
46	15:50	Splash picture of Beam 9014.  Beam9014.pdf	created by cpsop on cwo-ccc-b61c
47	15:53	Cooling ...	

			created by cpsop on cwo-ccc-b61c
48	15:55	Preparing 6 TP pulses, investigate minimum splash intensity at 7 T ...	created by cpsop on cwo-ccc-b61c
49	15:56	Adrian steps outside to see the sun ...and take fresh air (COxxx)	created by psbop on cwo-ccc-b51c
		PS prepared 6E12 protons in 16 bunches.	
		 	
		OpDisp.png	BSM last turn all bunches.png
50	16:02	 	
		BSM single bunch.png	FWSV75.png
			
		FWSH64.png	created by psbop on cwo-ccc-b51c
51	16:41	Beam 9015: with target, 7T, MTV414:16.1,-6.6 MTV454:2.2,-8.4 MTV484:-4.4,NA	created by cpsop on cwo-ccc-b61c
52	16:42	preparing 4TP (16 bunches)... DVT353=7.8 A (was 8.4 A)	created by cpsop on cwo-ccc-b61c
53	16:50	Beam 9016: with target, 7T, MTV414:17.3,-6.0 MTV454:1.9,-8.7 MTV484:-3.9,-6.3	created by cpsop on cwo-ccc-b61c
54	16:53	preparing 3TP (12 bunches)	created by cpsop on cwo-ccc-b61c
55	16:56	Beam 9017: with target, 7T, MTV414=17.1,-6.8, MTV=454=2.5,-8.8, MTV484=-3.7,-6.7	created by cpsop on cwo-ccc-b61c
56	17:05	Shot 9017 was in fact 3.32TP (measured at PS extraction - beginning of TT2 line)	created by cpsop on cwo-ccc-b61c
57	17:09	Beam 9018: with target, 7T, MTV414=13.6,-5.8, MTV=454=4.3,-8.5, MTV=484=-2.3,-6.4. Booster problem, intensity extracted was only 4 bunches - 2.0e11 (even less than one ilias unit!!) Try again....	created by cpsop on cwo-ccc-b61c
		Beam 9019: with target, 7T, MTV=17.2,-6.0, MTV454=2.0,-8.9, MTV484=-3.8,-	

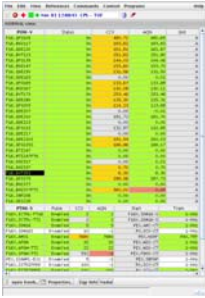
58	17:15	6.45. Extracted intensity = 3.78TP, 12 bunches. created by cpsop on cwo-ccc-b61c
59	17:30	Beam 9020: with target, 10T, 12 bunches, 5.1TP extracted, MTV414=17.0,-6.2, MTV454=2.1,-9.3, MTV484=-3.7,-6.7 created by cpsop on cwo-ccc-b61c
60	17:47	Log file of today's operations.  MERIT_logging_24.xml_log0 created by cpsop on cwo-ccc-b61c


MERIT [Friday 02-Nov-2007 Night]

#	Time	Comments
1	20:00	created by cpsop on cwo-ccc-b61c

MERIT [Saturday 03-Nov-2007 Day]

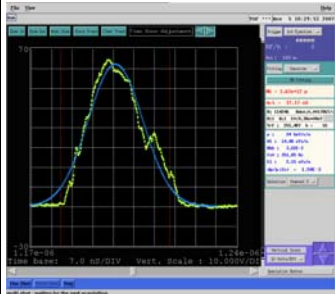
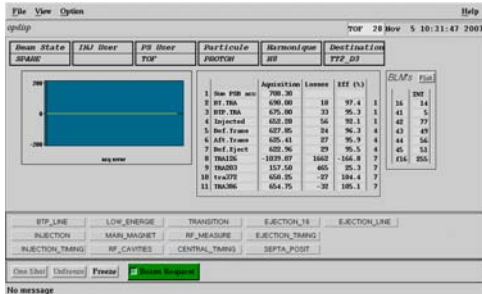


#	Time	Comments
1	08:00	CCC (Tel.:70483): Marcus, Adrian MCR (Tel.: 75337 or 75662): Hugo, Heejin, Kirk, Harold created by cpsop on cwo-ccc-b61c
2	08:05	CCC is changing the super-cycle to place MERIT cycle ... created by cpsop on cwo-ccc-b61c
3	08:09	PS in MD3-NTOF configuration. MERIT cycle in bp.19/24. Timings (beam 24 GeV/c): Delay Hg-loop (BPN-1)*1.2+1.02=22.62; Delay power supply (19-1)*1.2-7.38+0.3=14.52 seconds created by cpsop on cwo-ccc-b61c
4	09:20	Change PSB user from TOF to MD3. created by cpsop on cwo-ccc-b61c
5	09:31	Preparing beam 1001: 4 TP (16 bunches) ... created by cpsop on cwo-ccc-b61c
6	09:42	Beam 10001: no target, 0T, MTV414:16.3,-6.6 MTV454:NA,NA MTV484:-4.1,-7.3 created by cpsop on cwo-ccc-b61c
7	09:42	Beam 10002: no target, 0T, MTV414:15.9,-6.6 MTV454:1.3,-9.2 MTV484:-4.1,-7.1 created by cpsop on cwo-ccc-b61c
8	09:47	Preparing with 200A and target ... created by cpsop on cwo-ccc-b61c
9	09:49	Beam 10003: with target, 0T, MTV414:16.1,-6.6 MTV454:1.5,-9.0 MTV484:-4.1,-6.8 created by cpsop on cwo-ccc-b61c
10	09:59	Preparing with 5T to see splashes ... created by cpsop on cwo-ccc-b61c
11	10:00	Beam 10004: with target, 5T, MTV414:17.3,-6.2 MTV454:1.7,-8.8 MTV484:-4.3,-7.0 created by cpsop on cwo-ccc-b61c
12	10:11	Beam too low. set DVT353=8.7 A (was 7.8 A). created by cpsop on cwo-ccc-b61c
13	10:14	Beam 10005: with target, 5T, MTV414:17.2,-7.3 MTV454:2.0,-8.7 MTV484:-3.6,NA created by cpsop on cwo-ccc-b61c
14	10:16	Network problem on pcmerit07 ... fine again. created by cpsop on cwo-ccc-b61c
		Beam 10006: with target, 10T, MTV414:17.3,-7.1 MTV454:1.9,-8.7 MTV484:-

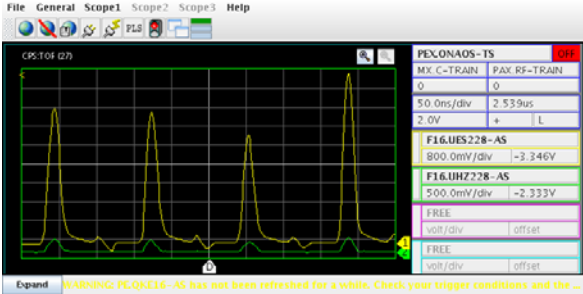
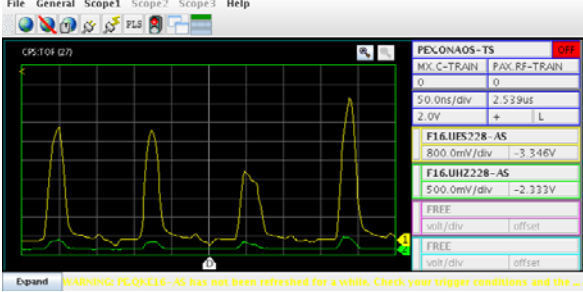
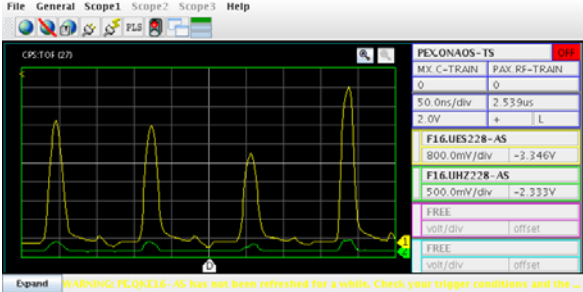

15	10:20	4.0,-6.0 <i>created by cpsop on cwo-ccc-b6lc</i>
16	10:29	Preparing run: intensity 10TP, 5T, set DVT353=8.3 A (was 8.7 A) <i>created by cpsop on cwo-ccc-b6lc</i>
17	10:37	Beam 10007: with target, 5T, MTV414:16.1,-7.3 MTV454:1.0,NA MTV484:-6.5 <i>created by cpsop on cwo-ccc-b6lc</i>
18	10:45	Preparing 15 TP ... <i>created by cpsop on cwo-ccc-b6lc</i>
19	10:51	Beam 10008: wth target, 5T, 16TP, MTV414:15.4,-7.3 MTV454:1.0,NA MTV484:-4.3,-6.3 <i>created by cpsop on cwo-ccc-b6lc</i>
20	10:54	Cooling initiated ... <i>created by cpsop on cwo-ccc-b6lc</i>
21	11:40	SMD frame rate changed to 25 mus. <i>created by cpsop on cwo-ccc-b6lc</i>
22	11:40	OP (Simon, Ernesto, Gabriel) prepared beam with 4 adjacent bunches and total 6 TP  200711071200.png <i>created by cpsop on cwo-ccc-b6lc</i>
23	11:53	Beam 10009: with target, 5T, MTV414:17.3,-7.5 MTV454:0.2,-9.7 MTV484:-5.0,-6.6 <i>created by cpsop on cwo-ccc-b6lc</i>
24	11:53	SMD Optical diagnostics report difficulties ... <i>created by cpsop on cwo-ccc-b6lc</i>
25	12:02	SMD spurious problem seems vanished. <i>created by cpsop on cwo-ccc-b6lc</i>
26	12:05	Preparing to start kicker in the center of the four bunches, resulting in two groups of two bunches seprated by approx. 1.7 mus. <i>created by cpsop on cwo-ccc-b6lc</i>
27	12:12	Beam 10010: with target, 5T, MTV414:17.3,-7.5 MTV454:0.5,-9.4 MTV484:-5.1,-6.8 <i>created by cpsop on cwo-ccc-b6lc</i>
28	12:22	Beam 10011 (repeat 10010): with target, 5T, MTV414:17.0,-7.3 MTV454:0.6,-9.2 MTV484:-5.1,NA <i>created by cpsop on cwo-ccc-b6lc</i>
29	12:22	VP4 data lost. rebooted. <i>created by cpsop on cwo-ccc-b6lc</i>
30	12:28	Preparing 4 adjacent bunches again like 10009 ... <i>created by cpsop on cwo-ccc-b6lc</i>
31	12:46	Beam 10012: with target, 5T, beam positions on MTVs unchanged. <i>created by cpsop on cwo-ccc-b6lc</i>
32	12:54	Beam 10013: with target, 5T, MTV414:18.3,-7.5 MTV454:0.5,-9.5 MTV484:-5.0,-6.8 <i>created by cpsop on cwo-ccc-b6lc</i>
33	13:00	Beam 10014: no target, 5T, MTV414:17.1,-7.1 MTV454:0,-9.2 MTV484:-5.2,-6.3 <i>created by cpsop on cwo-ccc-b6lc</i>
34	13:03	Preparing 2 groups of bunches separated by 1.7 mus ... <i>created by cpsop on cwo-ccc-b6lc</i>

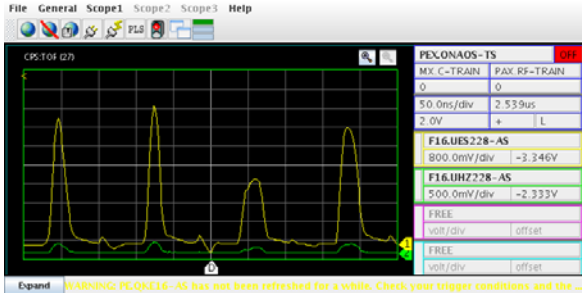
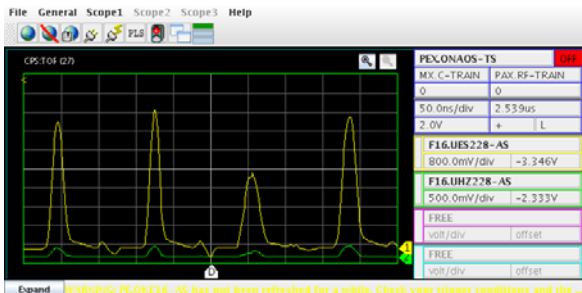
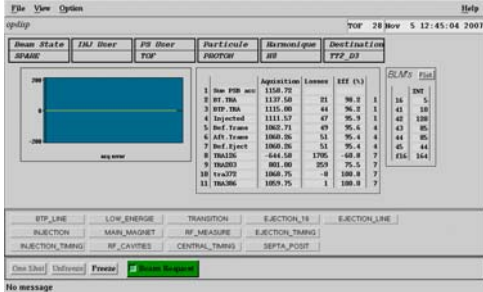
35	13:05	Beam 10015: no target, 5T, MTV414:17.8,-7.3 MTV454:0.4,-9.2 MTV484:-5.2,-6.4 created by cpsop on cwo-ccc-b61c
36	13:07	Preparing 6TP in 8 adjacent bunches ... created by cpsop on cwo-ccc-b61c
37	13:16	Beam 10016: with target, 5T, MTV414:18.5,-7.9 MTV454:0.2,-9.1 MTV484:-5.1,-6.1 created by cpsop on cwo-ccc-b61c
38	13:23	Beam 10017: no target, 5T, MTV414:17.5,-7.7 MTV454:0.3,-9.2 MTV484:-5.2,-6.5 created by cpsop on cwo-ccc-b61c
39	13:27	Preparing 2 bunch groups of each 4 bunches separated by about 1 mus. total 6TP created by cpsop on cwo-ccc-b61c
40	13:37	Beam 10018: with target, 5T, MTV414:17.5,-7.5 MTV454:0.3,-9.1 MTV484:-5.2,-6.6 created by cpsop on cwo-ccc-b61c
41	13:40	Beam 10019: with target, 5T, MTV414:18.2,-7.7 MTV454:0.3,-9.4 MTV484:-5.2,-6.5 created by cpsop on cwo-ccc-b61c
42	13:41	Stopped beam for today. created by cpsop on cwo-ccc-b61c
43	13:46	Access to fix SMD troubles ... created by cpsop on cwo-ccc-b61c
44	14:54	Access finished. created by cpsop on cwo-ccc-b61c
45	14:55	Run summary: 89*10 ¹² protons on target, 115*10 ¹² protons total today.  MERIT_logging_24.xml_log0 created by cpsop on cwo-ccc-b61c

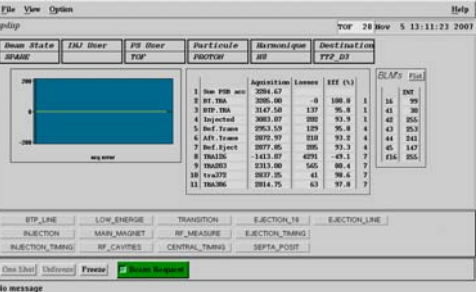
MERIT [Monday 05-Nov-2007 Day]


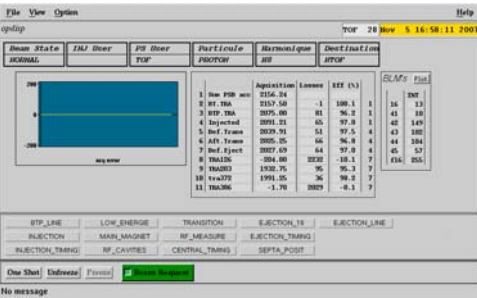
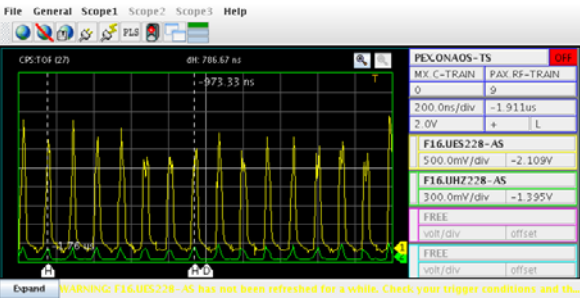
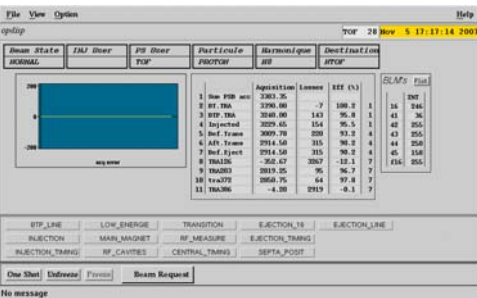
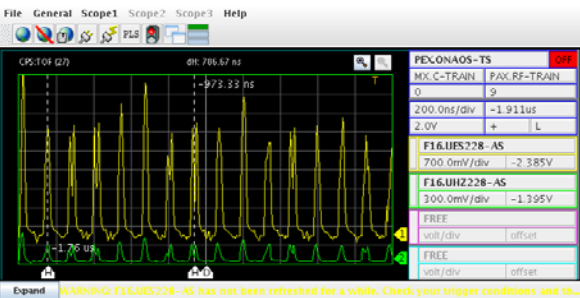

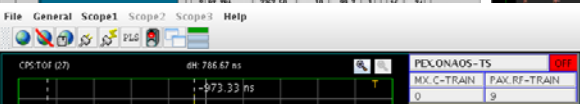
#	Time	Comments
1	08:30	Run-in meeting (Jacques, Harold, Ilias, Adrian, Heejin, Hugo, Otto, Marcus) created by cpsop on cwo-ccc-b61c
2	09:25	CCC (Tel.:70483): Marcus, Adrian, Rende MCR (Tel.: 75337 or 75662): Hugo, Heejin, Harold, Otto created by cpsop on cwo-ccc-b61c
3	09:27	Preparing MERIT beam ... created by cpsop on cwo-ccc-b61c
4	09:34	PS in MD3-NTOF configuration. 24 GeV/c MERIT cycle in bp.27/28. Timings (beam 24 GeV/c): Delay Hg-loop (BPN-1)*1.2+1.02=32.22; Delay power supply (27-1)*1.2-7.38+0.3=24.12 seconds created by cpsop on cwo-ccc-b61c
5	09:47	Preparing pulse (today is run day 11) with 1 TP (4bunches), 200 A, all systems armed for test purposes ... created by cpsop on cwo-ccc-b61c
6	09:59	11001: with target, MTV414:18.5,-7.3 MTV454:0.6,-9.0 MTV484:-5.4,-6.8 created by cpsop on cwo-ccc-b61c
7	10:01	Preparing 6TP (16 bunches), 5T ... created by cpsop on cwo-ccc-b61c
8	10:11	11002: with target, MTV414:17.3,-7.5 MTV454:1.2,-9.4 MTV484:-5.1,-6.8 created by cpsop on cwo-ccc-b61c
		11003: no target, MTV414:17.8,-7.5 MTV454:-0.1,-9.5 MTV484:-5.4,-6.6


9	10:15	created by cpsop on cwo-ccc-b61c
10	10:21	The Nokia chargers got lost in the CCC.. Follow-up required ... (CIA called, FBI informed). Also log entry in PS logbook ... created by cpsop on cwo-ccc-b61c
11	10:22	Preparing 6TP (4 bunches), 5T ...   BSM of 1 bunch out of 4.png OpDisp.png created by cpsop on cwo-ccc-b61c
12	10:24	Steering the beam by some 2mm to the right. Setting BHZ403=BHZ409=1044.7 A (was 1042.7 A). see attachment for new status of magnets  FTN line settings.png created by cpsop on cwo-ccc-b61c
13	10:27	11004: with target, 5T, MTV414:-16.1,-7.3 MTV454:1.0,-9.1 MTV484:-4.4,-6.8 created by cpsop on cwo-ccc-b61c
14	10:34	11005: with target, 5T, MTV414:16.8,-7.3 MTV454:0.7,-9.4 MTV484:-4.4,-6.8 created by cpsop on cwo-ccc-b61c
15	10:41	11006: with target, 5T, MTV414:17.0,-6.8 MTV454:0.6,-9.4 MTV484:-4.8,-6.9 created by cpsop on cwo-ccc-b61c
16	10:49	11007: with target, 5T, MTV414:16.8,-7.3 MTV454:0.6,-9.0 MTV484:-4.7,-6.6 created by cpsop on cwo-ccc-b61c
17	10:50	Run 11007 showed extractions in two subsequent SC. Strange ... created by cpsop on cwo-ccc-b61c
18	10:56	11008: with target, 5T, MTV414:17.5,-7.3 MTV454:0.7,-9.2 MTV484:-4.7,-6.2 created by cpsop on cwo-ccc-b61c
19	11:04	11009: no target, 0T, MTV414:17.3,-7.5 MTV454:0.9,-8.6 MTV484:NA,NA created by cpsop on cwo-ccc-b61c
20	11:05	The triggers on run 11009 were out of sync. The target and the solenoid ran one SC too early. created by cpsop on cwo-ccc-b61c
21	11:10	11010: with target, 5T. MTV414:16.1,-7.9 MTV454:0.6,-9.1 MTV484:-4.8,-6.8 created by cpsop on cwo-ccc-b61c
22	11:12	Cooling initiated ... created by cpsop on cwo-ccc-b61c
		Preliminary analysis ... 

23	11:12	PartDet_RepeatedShots_NoTransformerInfoIncluded_pdf.pdf PumpProbe24GeV_Normalized.pdf created by cpsop on cwo-ccc-b6lc
24	11:13	Restarting cwo-ccc-b6lc to recover from continuos running and RAM pile-up (WINDOWS disease) ... created by cpsop on cwo-ccc-b6lc
25	11:30	Nokia chargers found ... created by cpsop on cwo-ccc-b6lc
26	11:45	11011: empty shot 6TP, no target, no b-field. MTV414:17.3,-7.6, MTV454=0.5,-8.5, MTV484=-4.5,-7.75.  Sum pick-up TT2.png created by cpsop on cwo-ccc-b6lc
27	11:52	11012: empty shot 6TP, no target ,no B-field, MTV414=18.4,-7.7, MTV454=0.7,-8.5, MTV484=-4.2,-6.6 created by cpsop on cwo-ccc-b6lc
28	11:54	11013: emtpy shot 6TP, no target, no B-field, MTV414=18.4,-7.4, MTV454=1.5,-8.6, MTV484=-4.2,-6.6  Sum pick-up TT2 line.png created by cpsop on cwo-ccc-b6lc
29	11:58	11014: emtpy shot 6TP, no target, no B-field, MTV414=18.2,-7.4, MTV454=0.75,-8.6, MTV484=-4.4,-6.6  sum pick-up TT2.png created by cpsop on cwo-ccc-b6lc
		11015: empty shot 6TP, no target, no B-field, MTVpositions as above. 

		sum pick-up TT2.png	
30	12:02		created by cpsop on cwo-ccc-b61c
31	12:03	<p>11016: empty shot 6TP, no target, no B-field, MTV screens moved out.</p>  <p>sum pick-up TT2.png</p>	created by cpsop on cwo-ccc-b61c
32	12:08	<p>Empty shots to measure the beam spot. QDE430=314.60(was 287.28), QFO415=417.64(was 400.17) ==> beam focused on MTV.484</p>	created by cpsop on cwo-ccc-b61c
33	12:21	<p>11017: empty shot 2.5ell, no target no B-field, MTV414=17.75,-6.8, MTV454=1.4,-3.3, MTV484=-3.8,-1.77. Beam spot MTV454=7.6h,5.6v, MTV484=5.4h,4.0v ==> sigma ~1.0mm horiz, ~0.7mm vert.</p>	created by cpsop on cwo-ccc-b61c
34	12:35	<p>Preparing 6TP (4 bunches), 5T ...; QDE430=287.28 A, QFO415=400.17 A</p>	created by cpsop on cwo-ccc-b61c
35	12:40	<p>11018: no target, 5T, MTV414:17.0,-8.1 MTV454:0.7,-9.2 MTV484:-5.2,-6.6</p>  <p>sum pick-up tt2.png</p>	created by cpsop on cwo-ccc-b61c
36	12:41	<p>Preparing 10 TP (16 bunches), 10 T ...</p>  <p>OpDisp.png</p>	created by cpsop on cwo-ccc-b61c
37	12:46	<p>11019: with target, 10T, MTV414:17.5,-7.5 MTV454:-0.3,-9.0 MTV484:-5.0,NA</p>	created by cpsop on cwo-ccc-b61c

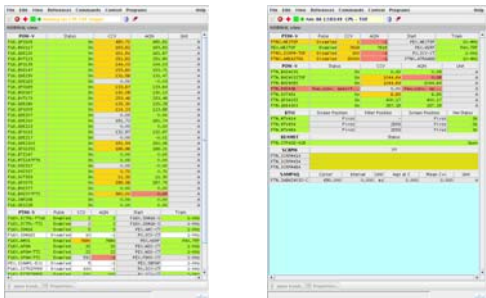
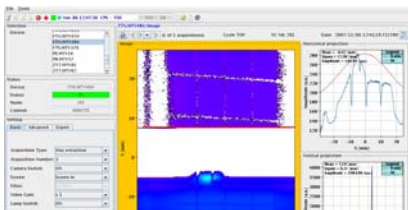
38	12:49	Preparing 3.5 TP (16 bunches), 10 T ... created by cpsop on cwo-ccc-b61c
39	12:57	11020: with target, 10T, MTV414:-17.5,-6.8 MTV454:1.0,-9.0 MTV484:-5.0,-6.6 created by cpsop on cwo-ccc-b61c
40	13:01	Cooling initiated ... created by cpsop on cwo-ccc-b61c
41	13:11	Quick test of 2.8E13 protons in 16 bunches.  OpDisp.png created by cpsop on cwo-ccc-b51c
42	14:38	cooling Done. created by cpsop on cwo-ccc-b61c
43	14:38	Preparing 3.752 TP (16 bunches) ... created by cpsop on cwo-ccc-b61c
44	14:39	11021: with target, 10 T, MTV414:17.3,-7.1 MTV454:1.4,-8.8 MTV484:-4.7,-6.3 created by cpsop on cwo-ccc-b61c
45	14:42	... splashes observed in VP2. created by cpsop on cwo-ccc-b61c
46	14:43	Preparing 15 TP (16 bunches) ... created by cpsop on cwo-ccc-b61c
47	14:51	11022: with target, 10 T, MTV414:16.1,-7.7 MTV454:-0.3,NA MTV484:-4.5,-6.1 created by cpsop on cwo-ccc-b61c
48	14:57	Cooling started ... created by cpsop on cwo-ccc-b61c
49	15:03	Linearity measurments of the particle detection system ... created by cpsop on cwo-ccc-b61c
50	15:03	Preparing 2.5e11 protons per bunch, 0T ... created by cpsop on cwo-ccc-b61c
51	15:13	11023: 1 bunch created by cpsop on cwo-ccc-b61c
52	15:17	11024: 1 bunch created by cpsop on cwo-ccc-b61c
53	15:24	11025: 2 bunches created by cpsop on cwo-ccc-b61c
54	15:29	11026: 2 bunches created by cpsop on cwo-ccc-b61c
55	15:32	11027: 3 bunches created by cpsop on cwo-ccc-b61c
56	15:33	11028: 3 bunches created by cpsop on cwo-ccc-b61c
57	15:41	11029: 5 bunches created by cpsop on cwo-ccc-b61c
58	15:42	11030: 7 bunches created by cpsop on cwo-ccc-b61c
59	15:50	11031: 8 bunches created by cpsop on cwo-ccc-b61c
		PSB suffers from faulty injection element ...

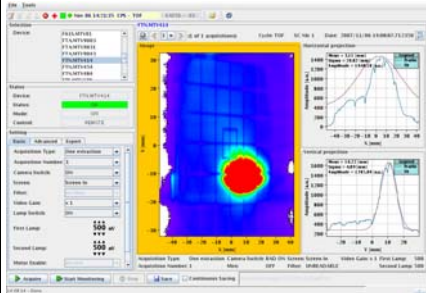
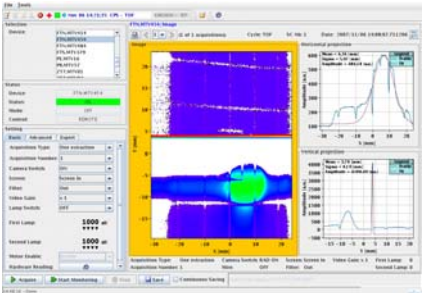
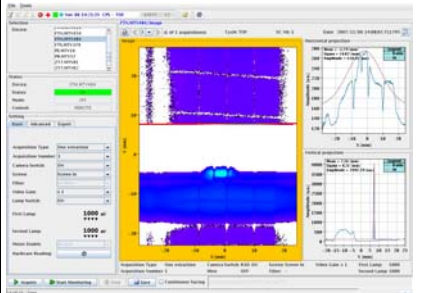
60	15:50	created by cpsop on cwo-ccc-b61c
61	16:32	<p>Snapshot of today's log file.....</p>  <p>MERIT_logging_24.xml_log0</p> <p>created by cpsop on cwo-ccc-b61c</p>
62	16:42	<p>PSB recovered.</p> <p>created by cpsop on cwo-ccc-b61c</p>
63	16:48	<p>Preparing 20 TP, 10 T ...</p> <p>created by cpsop on cwo-ccc-b61c</p>
64	16:57	<p>11032: with target, 10 T, MTV414:17.3,-7.8 MTV454:-0.3,-9.8 MTV484:-3.5,NA</p>  <p>OpDisp.png</p>  <p>sum pickup TT2.png</p> <p>created by cpsop on cwo-ccc-b61c</p>
65	17:14	<p>Rende prepared 30 TP, using 10 T ...</p> <p>created by cpsop on cwo-ccc-b61c</p>
66	17:16	<p>11033: MTV414:15.4,-7.5 MTV454:0.5,-9.5 MTV484:-5.2,-6.1</p>  <p>OpDisp.png</p>  <p>sum pickup TT2.png</p> <p>created by cpsop on cwo-ccc-b61c</p>
67	17:19	<p>Cooling ...</p> <p>created by cpsop on cwo-ccc-b61c</p>
68	18:07	<p>Preparing 30 TP, 15 T ...</p>  <p>200711071815.png</p> <p>created by cpsop on cwo-ccc-b61c</p>
		<p>11034: with target, 15 T, MTV414:16.0,-7.1 MTV454:NA,NA MTV484:NA,NA</p> 

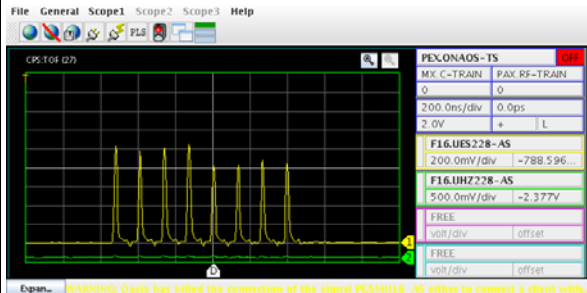
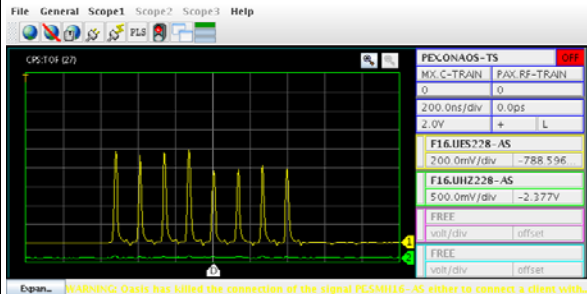
		OpDisp.png	BLM's.png
		sum pick-up TT2.png	
69	18:17		created by cpsop on cwo-ccc-b61c
70	18:23	Today's intensity log.  MERIT_logging_24.xml_log0	created by cpsop on cwo-ccc-b61c

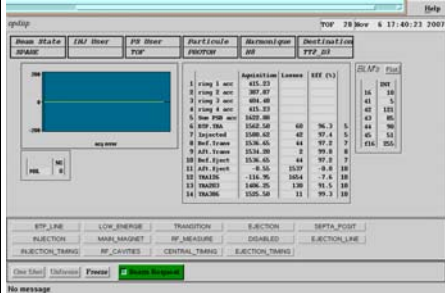
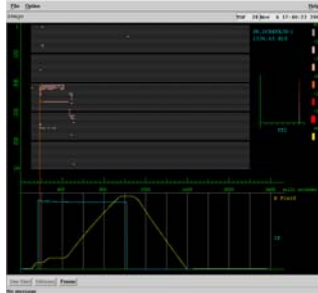
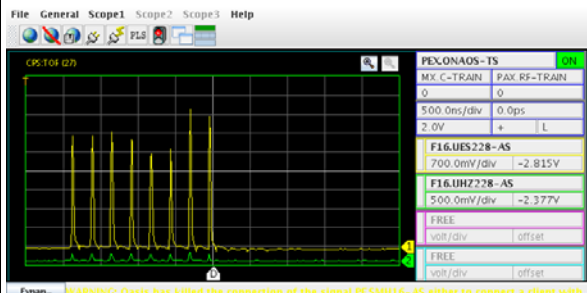
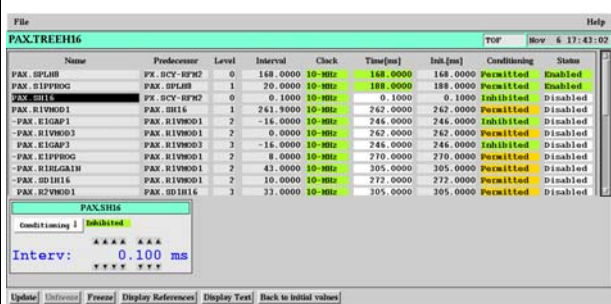

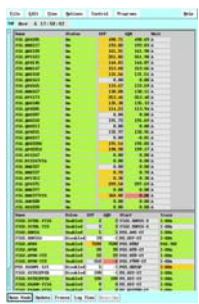
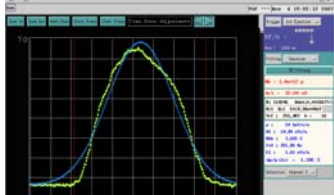
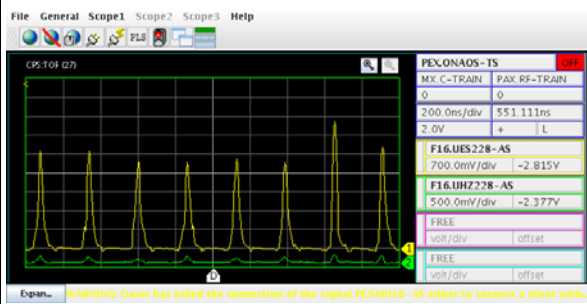

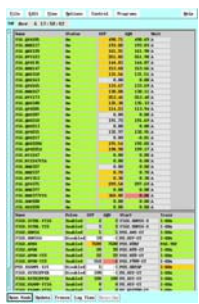
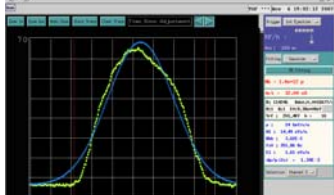
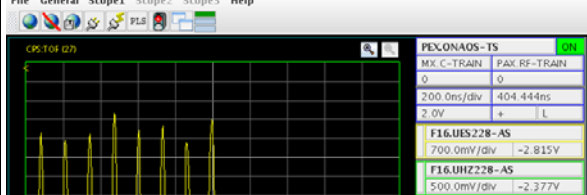
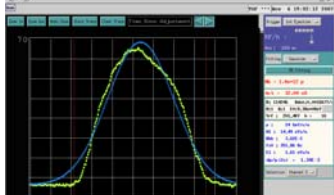
MERIT [Tuesday 06-Nov-2007 Day]

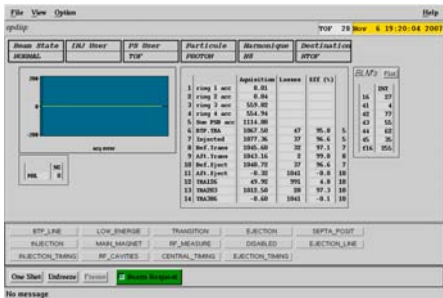
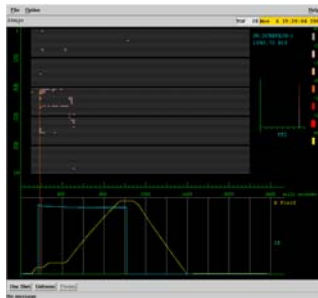
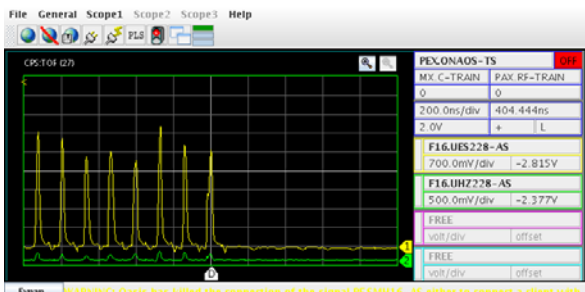
#	Time	Comments
1	08:30	Run meeting: Harold, Hugo, Marcus, Otto, Heejin, Ilias, Adrian created by cpsop on cwo-ccc-b61c
2	09:41	CCC (Tel.:70483): Marcus, Ilias, Adrian, Rende MCR (Tel.: 75337 or 75662): Harold, Otto, Heejin, Hugo created by psbop on cwo-ccc-b51c
3	09:41	Agenda: - 24 GeV/c horizontal scan - 24 GeV/c 15 TP pulses and 15 T, and one more high intensity shot created by cpsop on cwo-ccc-b61c
4	09:41	Preparing MERIT beam (day 12) ... created by cpsop on cwo-ccc-b61c
5	09:43	PS in MD3-NTOF configuration. 24 GeV/c MERIT cycle in bp.27/28. Timings (beam 24 GeV/c): Delay Hg-loop (BPN-1)*1.2+1.02=32.22; Delay power supply (27-1)*1.2-7.38+0.3=24.12 seconds created by cpsop on cwo-ccc-b61c
6	09:50	VP1 changed to lms frame rate, SMD frame rate lms created by cpsop on cwo-ccc-b61c
7	09:53	Preparing 24 GeV/c, 5TP (4 bunches), 200 A ... created by cpsop on cwo-ccc-b61c
8	10:12	Purging ... created by cpsop on cwo-ccc-b61c
9	10:24	Ready to shot ... created by cpsop on cwo-ccc-b61c
10	10:31	12001: with target, 200 A, MTV414:17.5,-7.5 MTV454:1.0,-9.0 MTV484:-5.0,-6.5 created by cpsop on cwo-ccc-b61c
11	10:45	Setting DVT353=9.0 A (was 8.3 A) ... created by cpsop on cwo-ccc-b61c
		12002: with target, 200 A, pulse with ZERO intensity (beam cut by safety

12	10:49	chain in PS machine) ... <i>created by cpsop on cwo-ccc-b6lc</i>
13	10:52	12003: with target, 200 A, MTV414:NA,NA MTV454:0.6,-8.5 MTV484:-4.8,-5.8 <i>created by cpsop on cwo-ccc-b6lc</i>
14	10:53	Beam seems to be moved up by about 1mm. <i>created by cpsop on cwo-ccc-b6lc</i>
15	11:02	Setting DVT353=10.4 A (was 9.0 A) ... (shall be another 2 mm) <i>created by cpsop on cwo-ccc-b6lc</i>
16	11:04	12004: with targe, 200 A, MTV414:16.8,-9.1 MTV454:0.9,-8.0 MTV484:-4.7,-5.5 <i>created by cpsop on cwo-ccc-b6lc</i>
17	11:10	Setting DVT353=11.8 A (was 10.4 A) ... <i>created by cpsop on cwo-ccc-b6lc</i>
18	11:13	12005: with target, 200 A, MTV414:17.2,-10.0 MTV454:0.1,NA MTV484:-4.8,-5.7 <i>created by cpsop on cwo-ccc-b6lc</i>
19	11:13	Some shots in between without any systems armed for beam positioning ... <i>created by cpsop on cwo-ccc-b6lc</i>
20	11:37	Setting DVT353=11.3 A, DVT451=-0.15 A ... <i>created by cpsop on cwo-ccc-b6lc</i>
21	11:37	Beam intensity about 4TP ... <i>created by cpsop on cwo-ccc-b6lc</i>
22	11:38	<i>created by cpsop on cwo-ccc-b6lc</i>
23	11:40	12006: with target, 200 A, MTV414:17.0,-10.0 MTV454:1.1,-7.0 MTV484:-4.8,-3.2 <i>created by cpsop on cwo-ccc-b6lc</i>
24	11:47	move again up: setting DVT451=6.85 A  200711071203.png 200711071204.png <i>created by cpsop on cwo-ccc-b6lc</i>
25	11:56	12007: with target, 200 A, NO BEAM (PS machine ...) <i>created by cpsop on cwo-ccc-b6lc</i>
26	12:01	12008: with target, 200 A, MTV414:10.4,-10.2 MTV454:5.2,-6.5 MTV484:-1.2,-2.1 <i>created by cpsop on cwo-ccc-b6lc</i>
27	12:12	Scanning with/without target ... <i>created by cpsop on cwo-ccc-b6lc</i>
28	12:13	12009: no target, 5T, MTV414:16.8,-9.7 MTV454:0.9,-6.8 MTV484:-5.1,-2.0 <i>created by cpsop on cwo-ccc-b6lc</i>
29	12:16	Hg loop stopped. Restarting ... <i>created by cpsop on cwo-ccc-b6lc</i>
30	12:36	12010: target in, 5T, MTV414=18.9, -10.1, MTV454=0.8,-6.7, MTV484=bad image 

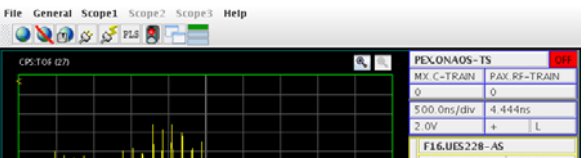
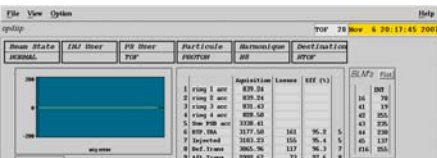
		200711071248.png	
		created by cpsop on cwo-ccc-b61c	
31	12:48	12011: target in, 5T, MTV414=18.9, -9.5, MTV454=1.1,-6.3, MTV484=-5.2, -1.6	created by cpsop on cwo-ccc-b61c
32	13:12	problems with PS instability, Rende investigating.....	created by cpsop on cwo-ccc-b61c
33	13:58	New settigns of the line: BHZ327=-5.6A(was 0.0), DHZ337=4.40A (was 0.4A), BHZ403-409=1039(was 1042.6A)	created by cpsop on cwo-ccc-b61c
34	14:01	12012: target in, 5T, 4 bunches, 4TP, MTV.414=8.0,-10.1, MTV454=6.2,-6.9, MTV484=-1.9,-1.0	created by cpsop on cwo-ccc-b61c
35	14:08	12013: target out, 5T, 4TP, MTV414=8.5,-9.9, MTV454=6.4,-6.3 MTV484=-1.6,NA (dubious, not clear image...)	
		 	
		200711071421.png	200711071421.png
			
		200711071421.png	created by cpsop on cwo-ccc-b61c
36	14:30	BHZ403-409=1038.0A (was 1039A)	created by cpsop on cwo-ccc-b61c
37	14:30	12014: target out, 0T, 4TP, MTV414=7.8,-9.9, MTV454=6.0,-5.7, MTV484=-2.2,-1.7	created by cpsop on cwo-ccc-b61c
38	14:42	12015: target in, 5T, 4TP, MTV414=8.04, -10.1, MTV454=5.8,-5.9, MTV484=-2.0-1.63	created by cpsop on cwo-ccc-b61c
39	14:48	12016: target out, 5T, 4TP, MTV414=8.2, -10.3, MTV454=5.9,-6.2, MTV484=na,na (bad image)	created by cpsop on cwo-ccc-b61c
40	15:08	Beam set to 1bunch, 2.5e11 protons.	created by cpsop on cwo-ccc-b61c
41	15:09	12017: no target, 0T, 2.5e11, MTV414=8.5, -10.3, MTV=6.2,-5.9, MTV484=-2.3,-1.77	created by cpsop on cwo-ccc-b61c
42	15:13	BHZ403-409= 1035.04 (was 1038.04)	created by cpsop on cwo-ccc-b61c
43	15:14	12018 : empty shot, PS problem....	created by cpsop on cwo-ccc-b61c


44	15:23	12019: no target, 0T, 2.5e11, BHZ403-409=1035, MTV414=11.36,-10.9, MTV454=5.3,-6.3, MTV484=-3.7,-1.6 created by cpsop on cwo-ccc-b61c
45	15:43	12020: no target, 0T, 2.5e11, BHZ403-409=1030, MTV414=14.4,-10.7, MTV454=4.7, -6.2, MTV484=-5.9, -1.6 created by cpsop on cwo-ccc-b61c
46	15:50	12021: no target, 0T, 2.5e11, BHZ403-409=1028, MTV414=14.0,-10.3, MTV454=3.4,-6.3, MTV484=-6.6,-1.631 created by cpsop on cwo-ccc-b61c
47	15:57	12022: same as 12021, MTV414=13.9,-10.3, MTV454=3.8,-6.3, MTV484=-6.6,-1.4 created by cpsop on cwo-ccc-b61c
48	15:59	12023: no target, 0T, 2.5e11, BHZ403-409=1025, MTV414=17.04, -10.6, MTV454=2.59,-6.3, MTV484=-7.7,-1.3 created by cpsop on cwo-ccc-b61c
49	16:00	12024: no target, 0T, 2.5e11, BHZ403-409=1020, MTV414=20.5, -10.3, MTV454=0.4,-5.9, MTV484=-10.3,-1.4 created by cpsop on cwo-ccc-b61c
50	16:03	12025: no target, 0T, 2.5e11, BHZ403-409=1017, MTV414=21.5, -10.5, MTV454=-0.5,-6.48, MTV484=-11.4,-1.4 created by cpsop on cwo-ccc-b61c
51	16:11	Preparing for beam shot as run 11034: 30TP, 15T, BHZ403-409=1044.64, DHZ327=0.0, DHZ337=0.7 created by cpsop on cwo-ccc-b61c
52	16:13	PS stop for few minutes to reconfigure super-cycle.... created by cpsop on cwo-ccc-b61c
53	16:57	Beam is back again..... preparing first shot: 2TP, 8bunches to check the beam position in the MTVs... created by cpsop on cwo-ccc-b61c
54	17:09	12026: no target, 0T, 2TP, check beam position (run 11021 numbers in brackets) - Flags not readable... created by cpsop on cwo-ccc-b61c
55	17:14	12027: no target, 0T, 2TP, MTV414=17.9,-10.5 [17.3,-7.1], MTV454=1.4,-6.9 [1.4,-8.8], MTV484=-4.-1.9[-4.7,-6.3]  sum pickup TT2.png created by cpsop on cwo-ccc-b61c
56	17:24	Restore vertical steering of the beam: DVT451=-17.0 (was 6.85) , DVT353=8.3 (was 11.3A)  sum pickup TT2.png created by cpsop on cwo-ccc-b61c

57	17:28	1028: no target, 0T, 2TP, MTV414=17.1,-7.4 [17.3,-7.1], MTV454=1.4,-8.5 [1.4,-8.8], MTV484=-4.9, -6.6 [-4.7,-6.3] created by cpsop on cwo-ccc-b61c
58	17:36	Preparing PS with harmonic 8 and 8 bunches total intensity 1.5E13.       
59	17:56	shot 12029: 15TP, 15T. followed by cooling cycle of magnet.    
60	18:32	shot 12030 2TP 0T F1 0.3 -8.8 F2 -4.5 -6.3 created by cpsop on cwo-ccc-b61c
		Preparing 10TP on harmonic 16 with 8 bunches consecutive (50% filling).  

		BLM.png	OPdisp.png
		sum pickup TT2.png	BSM 1 bunch out of 8.png
61	18:55		created by psbop on cwo-ccc-b51c
62	19:07	12031 10TP harmonic 16 Hg in OT half machine (8bunches) Flags -0.3 -8.8 -5.4 -6.0	created by cpsop on cwo-ccc-b61c
63	19:20	12032 Same as 12031 but with 15T Flags 0.1 -8.8 -5.2 -6.0	
			
		Opdisp.png	BLM.png
			
		sum pickup TT2.png	created by cpsop on cwo-ccc-b61c
64	19:21	Preparing 30 TP 16 bunches.	created by psbop on cwo-ccc-b51c


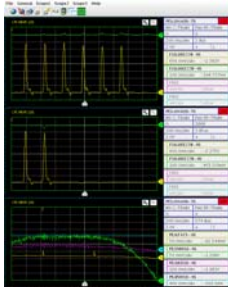

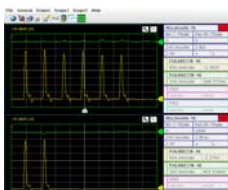
MERIT [Tuesday 06-Nov-2007 Night]

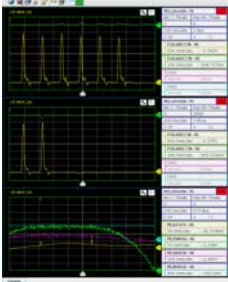
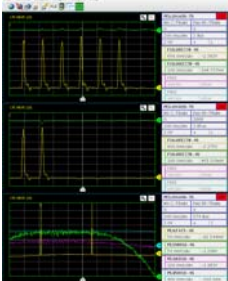

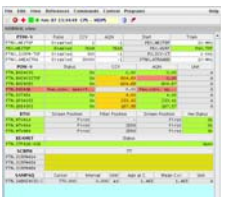
#	Time	Comments
1	20:00	Harold, Rende and Marcuss in CCC; HeeJin, Otto, Hugo in MERIT CR created by cpsop on cwo-ccc-b61c
2	20:05	Preparing for another 15T shot. This will again be maximum intensity. We will shoot with 20m/s Hg Jet. created by cpsop on cwo-ccc-b61c
		12033 This will have 30TP in 16 bunchs (harmonic 16) 15T and the Hg Jet will be 20m/s
		 

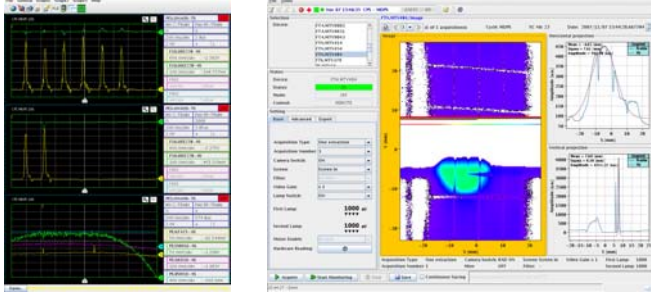
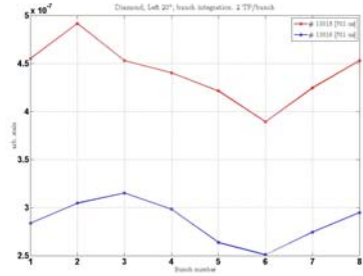
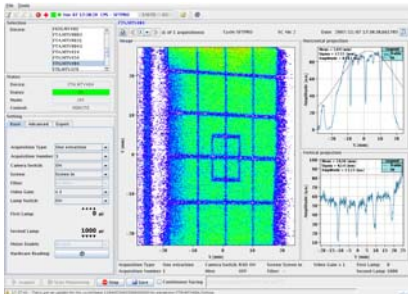
		sum pickup TT2.png	OpDisp.png
3	20:10		created by cpsop on cwo-ccc-b61c
4	20:19	Flag information lost on flag2 Flag1 is -0.6 -6.3	created by cpsop on cwo-ccc-b61c
5	20:19	Run summary  MERIT_logging_24.xml_log1	created by cpsop on cwo-ccc-b61c

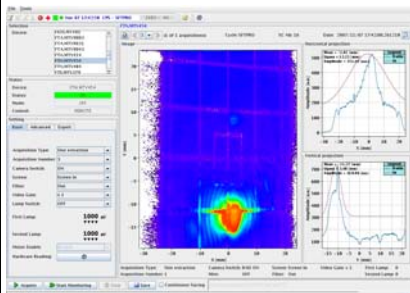

MERIT [Wednesday 07-Nov-2007 Day]

#	Time	Comments
1	11:00	9:00-11:00; Access granted during PS repair to TT2A area - beam line geometry verified (no comment), collimator removed. created by cpsop on cwo-ccc-b61c
2	11:49	CCC (Tel.:70483): Marcus, Ilias, Adrian, Rende, Bruno MCR (Tel.: 75337 or 75662): Harold, Heejin, Hugo, Thomas, Adam created by cpsop on cwo-ccc-b61c
3	11:52	PS in MD3-MDPS configuration. 14 GeV/c MERIT cycle in bp.26/28, PS harmonic 8; Timings (beam 14 GeV/c): Delay Hg-loop (BPN-1)*1.2+0.77=30.77; Delay power supply (BPN-1)*1.2-7.63+0.3=22.67 seconds created by cpsop on cwo-ccc-b61c
4	12:04	2.5 TP (2 bunches) BHZ403=BHZ409=609.7 A, DVT353=4 A, DHZ337=0.4 A, DVT451=-10 A, QFO415S=233.42 A, QDE430s=167.58 (copied vertically from 4030 and horizontally from 6014) created by cpsop on cwo-ccc-b61c
5	12:12	Day 13!!!! created by cpsop on cwo-ccc-b61c
6	12:23	13001: with target, 200A, MTV414:14.4,-5.6 MTV454:3.5,-9.2 MTV484:-0.5,-7.4 created by cpsop on cwo-ccc-b61c
7	12:31	5 TP (4 bunches) BHZ403=BHZ409=606.7 A, DVT451=-17 A created by cpsop on cwo-ccc-b61c
8	12:33	13002: with target, 200 A, MTV414:17.5,-5.8 MTV454:1.2,-10.5 MTV484:-3.3,-9.8 created by cpsop on cwo-ccc-b61c
9	12:47	13003: with target, 200A, DVT451=-3A(was -17A, originally -10A), MTV414=17.5,-6.6, MTV454=0.8,-8.1, MTV484=-4.1,-5.6 created by cpsop on cwo-ccc-b61c
10	12:54	13004: with target, 8TP 4bunches, DVT451=4A(was -3A).MTV414=19.4,-6.2, MTV454=2.01,-7.99, MTV484=-3.4,-4.5 created by cpsop on cwo-ccc-b61c
11	13:07	13005: no target, 8TP 4 bunches, MTV414=17.5,-6.2, MTV454=0.7,-8.5, MTV484=-3.4,-4.0 created by cpsop on cwo-ccc-b61c
12	13:08	Preparing pump/probe tune: 16TP in 8 bunches, 2e12 protons/bunch created by cpsop on cwo-ccc-b61c
		13006: no target, 16TP, 8 bunches:6pump,2probe, 16.33TP measured. MTV414=18.2,-6.0, MTV454=0.2,-8.6, MTV484=-3.03,-4.0.

		OASIS.png	
13	13:22		created by cpsop on cwo-ccc-b61c
14	13:31	13007: target in, 16TP 6pump/2probe: MTV414=18.2,-6.2, MTV454=0.8,-8.7, MTV484=-3.0,-4.2	created by cpsop on cwo-ccc-b61c
15	13:39	13008: 2nd in series, MTV414=19.4,-5.8, MTV454=0.3,-8.8, MTV484=-3.3,-4.3  OASIS.png	created by cpsop on cwo-ccc-b61c
16	13:48	13009: 3rd in series,  OASIS.png	created by cpsop on cwo-ccc-b61c
17	13:53	13010: 4th in series, same spot positions...  200711071353.png	created by cpsop on cwo-ccc-b61c
18	14:07	13011: 5th in series, 	

		200711071407.png	
			created by cpsop on cwo-ccc-b61c
19	14:10	13012: 6th in series - target empty 	
		200711071411.png	created by cpsop on cwo-ccc-b61c
20	14:13	13013: 7th in series - target in, MTV414:14.2,-6.0 MTV454:0.9,-8.7 MTV484:-3.1,-3.5 	
		200711071414.png	created by cpsop on cwo-ccc-b61c
21	14:17	13014: 8th in series - target out, MTV414:14.7,-60 MTV454:0.7,-8.8 MTV484:-3.0,NA	created by cpsop on cwo-ccc-b61c
22	14:17	Preliminary analysis of runs 13007-13014 ... (without correcting with transformer information)  BunchIntegrations13007-13014.pdf	created by cpsop on cwo-ccc-b61c
23	14:20	Cooling ...	created by cpsop on cwo-ccc-b61c
24	15:23	Some shots at 2 TP for steering ...	created by cpsop on cwo-ccc-b61c
25	15:25	test a: MTV414:17.2,-5.8 MTV454:1.7,-7.5 MTV484:-3.6,-3.9	created by cpsop on cwo-ccc-b61c
26	15:28	set BHZ403=BHZ4409=604.7 A ...	created by cpsop on cwo-ccc-b61c
27	15:30	test b: MTV414:17.8,-5.6 MTV454:0.1,-7.6 MTV484:-5.1,-4.0	created by cpsop on cwo-ccc-b61c
28	15:34	Preparing 16 TP, 5 T, with settings of test b ... 	

		200711071534.png	
		created by cpsop on cwo-ccc-b61c	
29	15:40	13015: target in, 5T, MTV414:17.3,-5.8 MTV454:-0.3,-8.0 MTV484:-4.7,-3.7 created by cpsop on cwo-ccc-b61c	
30	15:44	13016: target out, 5T, MTV414:15.2,-5.2 MTV454:-0.1,NA MTV484:-4.7,NA  200711071545.png 200711071546.png created by cpsop on cwo-ccc-b61c	
31	15:51	Prealanalysis ...  DL20 13015-13016.jpg created by cpsop on cwo-ccc-b61c	
32	15:55	Some shots at 2 TP for steering ... created by cpsop on cwo-ccc-b61c	
33	15:58	test c: MTV414:18.0,-5.6 MTV454:0.2,-7.9 MTV484:-5.2,-3.7 created by cpsop on cwo-ccc-b61c	
34	15:59	setting DVT451=+17 A ... created by cpsop on cwo-ccc-b61c	
35	16:02	test d: created by cpsop on cwo-ccc-b61c	
36	16:03	setting DVT451=-17 A created by cpsop on cwo-ccc-b61c	
37	16:06	test e: MTV414:18.0,-5.2 MTV454:0.2,-11.0 MTV484:-4.8,-9.4 created by cpsop on cwo-ccc-b61c	
38	16:09	PS stop for vacuum intervention; at least 2.5 hours ... created by cpsop on cwo-ccc-b61c	
39	16:17	Access scheduled NOW. created by cpsop on cwo-ccc-b61c	
40	17:38	MTV484 in , but not completely.... 	

		MTV484 not fully in.png	created by psbop on cwo-ccc-b5lc
41	17:42	MTV454 with laser...  mtv454 with laser.png	created by psbop on cwo-ccc-b5lc
42	19:20	Access finished	created by cpsop on cwo-ccc-b6lc
43	19:20	Today's run file.  MERIT_logging_14.xml_log0	created by cpsop on cwo-ccc-b6lc


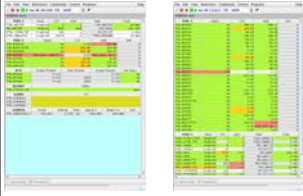
Dump the eLogbook MERIT



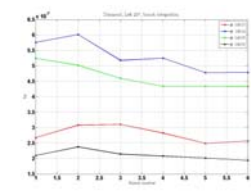
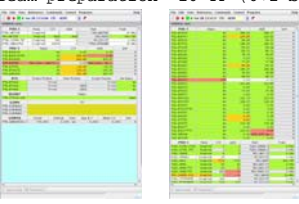

- from the date: 20071108


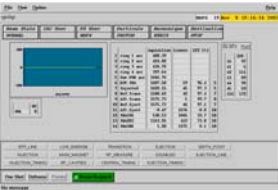

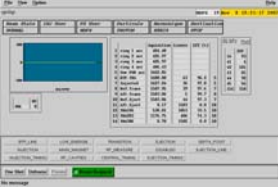

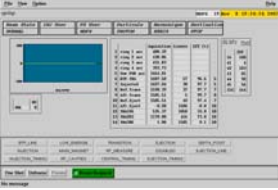


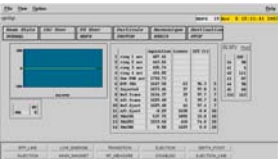
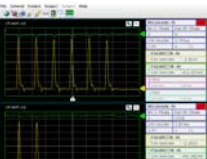




to the date: 20071130

[Start Dump ...](#)**MERIT [Thursday 08-Nov-2007 Day]**


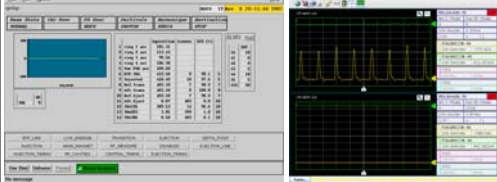
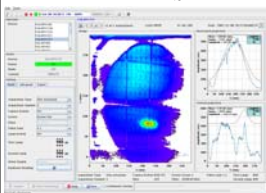
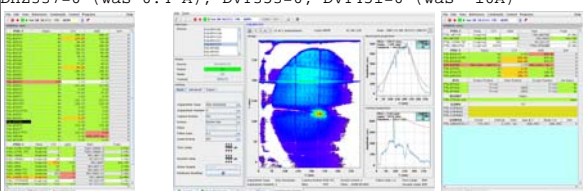
#	Time	Comments
1	08:40	CCC (Tel.:70483): Marcus, Ilias, Adrian, Rende MCR (Tel.: 75337 or 75662): Harold, Heejin, Hugo, Thomas, Adam <i>created by cpsop on cwo-ccc-b61c</i>
2	09:11	PS in MD3-MDPS configuration. 14 GeV/c MERIT cycle in bp.19/26, PS harmonic 8; Timings (beam 14 GeV/c): Delay Hg-loop (BPN-1)*1.2+0.77=22.37; Delay power supply (BPN-1)*1.2-7.63+0.3=14.27 seconds <i>created by cpsop on cwo-ccc-b61c</i>
3	09:12	Day 14! <i>created by cpsop on cwo-ccc-b61c</i>
4	09:24	Preparing 6 TP (6 bunches) ...  200711070932.png <i>created by cpsop on cwo-ccc-b61c</i>
5	09:33	14001: target out, 0 T, MTV414:19.4,-5.8 MTV454:-0.3,-10.2 MTV484:-4.8,-9.5 <i>created by cpsop on cwo-ccc-b61c</i>
6	09:40	Cryogenics lost controls connection ... <i>created by cpsop on cwo-ccc-b61c</i>
7	09:51	Cryogenics still without contact to TT2 equipment ... <i>created by cpsop on cwo-ccc-b61c</i>
8	09:52	Setting DVT451=-6.5 A corresponding to -2 mm (was -17 A) <i>created by cpsop on cwo-ccc-b61c</i>
9	10:03	14002: target out, 0T, MTV414:17.8,-5.8 MTV454:0.4,-8.8 MTV484:-4.9,-6.5 <i>created by cpsop on cwo-ccc-b61c</i>
10	10:03	test shos at 0.6 TP ... <i>created by cpsop on cwo-ccc-b61c</i>
11	10:20	test f: DHZ337=+2.4 A, <i>created by cpsop on cwo-ccc-b61c</i>
12	10:23	test g: DHZ337=-1.6 A, moved left on MTV414 <i>created by cpsop on cwo-ccc-b61c</i>
13	10:25	14003: <i>created by cpsop on cwo-ccc-b61c</i>
14	10:30	14004: DHZ337=0.4 A <i>created by cpsop on cwo-ccc-b61c</i>
15	10:31	14005: DHZ337=0.4 A <i>created by cpsop on cwo-ccc-b61c</i>
16	10:41	14006: DHZ337=0.4 A <i>created by cpsop on cwo-ccc-b61c</i>
17	10:43	14007: DHZ337=-1.6 A <i>created by cpsop on cwo-ccc-b61c</i>
18	11:05	Access for PLC cryogenics ... <i>created by cpsop on cwo-ccc-b61c</i>
19	12:03	Access finished (PLC replaced, CNGS syndrome?) <i>created by cpsop on cwo-ccc-b61c</i>
20	12:05	Restarting beam ...  200711071206.png 200711071216.png <i>created by cpsop on cwo-ccc-b61c</i>
21	12:19	6TP, 6 bunches ... <i>created by cpsop on cwo-ccc-b61c</i>
22	12:20	14008: target in, 5 T, MTV17.3,-6.0 MTV454:0.2,-9.2 MTV484:-4.7,-6.3 <i>created by cpsop on cwo-ccc-b61c</i>
23	12:35	Setting DVT451=-1.5 A (was -6.5 A). <i>created by cpsop on cwo-ccc-b61c</i>
24	12:37	14009: target in, 5T, MTV414:17.9,-6.2 MTV454:-0.3,-8.4 MTV484:-4.6,-5.6 <i>created by cpsop on cwo-ccc-b61c</i>
25	12:43	Setting DVT451=-4.0 A (was -1.5 A). <i>created by cpsop on cwo-ccc-b61c</i>
26	12:46	14010: target in, 5T, MTV414:17.5,-6.2 MTV454:-0.1,-8.6 MTV484:-5.2,-6.1 <i>created by cpsop on cwo-ccc-b61c</i>
27	13:02	Preparing 10 TP in 6 bunches (the remaining two bunches are reserved for the probe) ... <i>created by cpsop on cwo-ccc-b61c</i>
28	13:07	14011: target in, 5T, MTV414:17.8,-5.2 MTV454:0,-9.0 MTV484:-5.4,-6.0 <i>created by cpsop on cwo-ccc-b61c</i>
29	13:32	14012: target out, 5T, MTV414:16.8,-6.2 MTV454:0.0,-9.2 MTV484:-5.1,-6.0 <i>created by cpsop on cwo-ccc-b61c</i>
		Setting steering (like 6006): BHZ403=BHZ409=609.7 A, DVT451=-10 A, DHZ337=0.4 A, DVT353=4 A

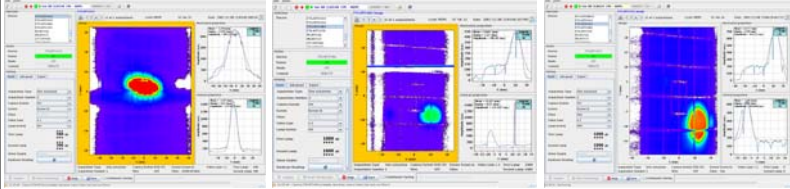
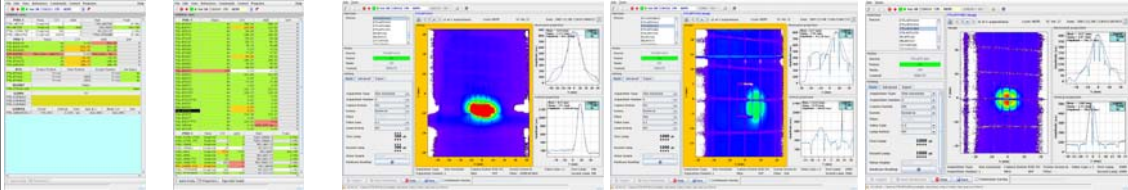
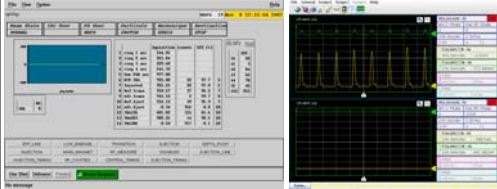
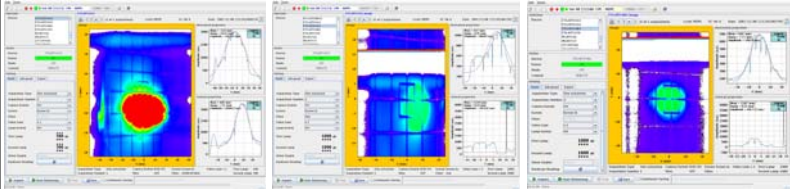
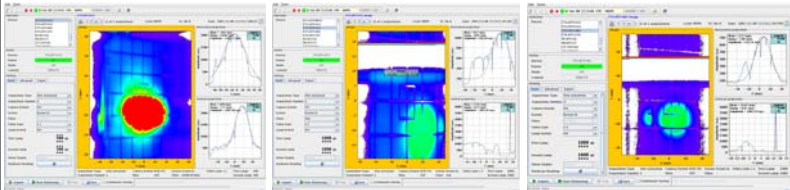
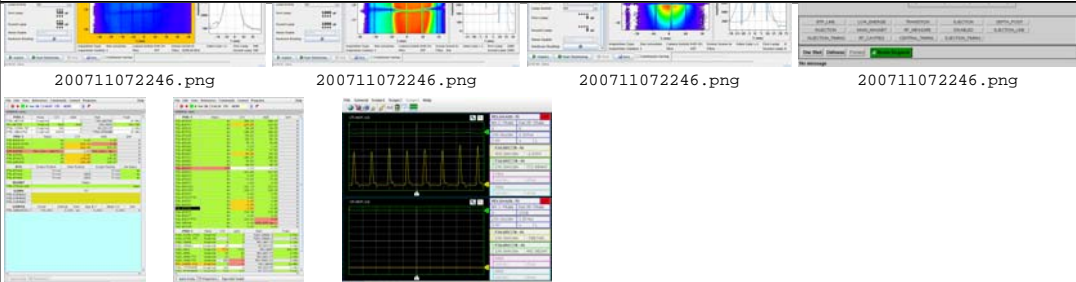
30	13:43		created by cpsop on cwo-ccc-b61c
31	13:50	14013: target out, 5T, MTV414:13.7,-6.4 MTV454:2.9,-10.1 MTV484:-1.0,-7.7	created by cpsop on cwo-ccc-b61c
32	14:03	14014: target in, 5T, MTV414:13.0,-6.0 MTV454:2.6,-9.8 MTV484:-0.7,-7.7	created by cpsop on cwo-ccc-b61c
33	14:32	Analysis part.detectors   BunchIntegrations_14013-14014.pdf BunchIntegrations_6006-14013-14014.pdf	created by cpsop on cwo-ccc-b61c
34	14:41	Reference shot: BHZ403=BHZ409=609.7 A	created by cpsop on cwo-ccc-b61c
35	14:43	test g: MTV414:13.7,-6.4 MTV454:3.0,-9.9 MTV484:-1.1,-7.7	created by cpsop on cwo-ccc-b61c
36	14:47	Preparing to move left: BHZ403=BHZ409=605.7 A	created by cpsop on cwo-ccc-b61c
37	14:47	test H: MTV414:16.1,-6.0 MTV454:0.9,-9.3 MTV484:-4.0,-7.4	created by cpsop on cwo-ccc-b61c
38	14:53	14015: target in, 5T, MTV414:16.6,-6.2 MTV454:0.4,-9.7 MTV484:-4.4,-7.9	created by cpsop on cwo-ccc-b61c
39	14:58	14016: target out, 5T, MTV414:16.6,-6.0 MTV454:0.6,-9.7 MTV484:-3.9,-7.4	created by cpsop on cwo-ccc-b61c
40	14:58	Analysis part. det.  14013-14016.jpg	created by cpsop on cwo-ccc-b61c
41	15:01	Cooling ...	created by cpsop on cwo-ccc-b61c
42	15:45	Beam preparation: 16 TP (6+2 bunches), 700 mus delay  200711071554.png 200711071554.png	created by cpsop on cwo-ccc-b61c
43	15:51	14017: target in, 5T, MTV414:17.7,-6.0 MTV454:0.9,NA MTV484:-4.1,-7.3	created by cpsop on cwo-ccc-b61c
44	16:00	14018: target in, 5T, MTV414:16.3,-6.4 MTV454:0.6,NA MTV484:-3.9,-7.4	created by cpsop on cwo-ccc-b61c
45	16:07	14019: target in, 5T, MTV414:16.1,-6.4 MTV454:0.7,NA MTV484:-4.0,-7.6	created by cpsop on cwo-ccc-b61c
46	16:09	14020: target out, 5T, NO PROTONS from PS	created by cpsop on cwo-ccc-b61c
47	16:14	14021: target out, 5T, MTV414:15.4,-6.2 MTV454:0.9,-9.9 MTV484:-3.6,-7.4	created by cpsop on cwo-ccc-b61c
48	16:16	14022: target in, 5T, MTV414:15.4,-5.8 MTV454:1.0,-10.3 MTV484:-3.7,-7.4	created by cpsop on cwo-ccc-b61c
49	16:19	14023: target out, 5T, beam positions on MTVs unchanged	created by cpsop on cwo-ccc-b61c
50	16:22	14024: target in, 5T, beam positions on MTVs unchanged	created by cpsop on cwo-ccc-b61c
51	16:25	14025: target out, 5T, beam positions on MTVs unchanged	created by cpsop on cwo-ccc-b61c
52	16:26	Cooling ...	created by cpsop on cwo-ccc-b61c
53	16:26	Meanwhile some test shots ...	created by cpsop on cwo-ccc-b61c
54	16:31	test J:	created by cpsop on cwo-ccc-b61c
55	16:35	test K: BHZ409=611.7A	created by cpsop on cwo-ccc-b61c
56	16:37	test L: QFO415s=123.4 A	created by cpsop on cwo-ccc-b61c
57	16:38	test M: BHZ409=605.7 A	created by cpsop on cwo-ccc-b61c
58	16:41	test N: BHZ409=617.7 A	created by cpsop on cwo-ccc-b61c
59	16:44	test O: DHZ327=-4 A, BHZ337=2 A 	

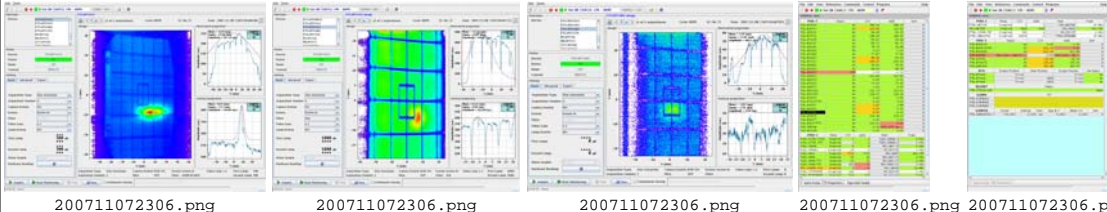
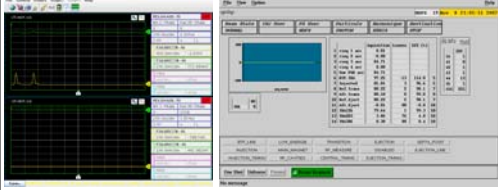
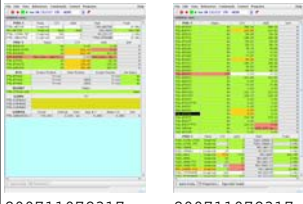
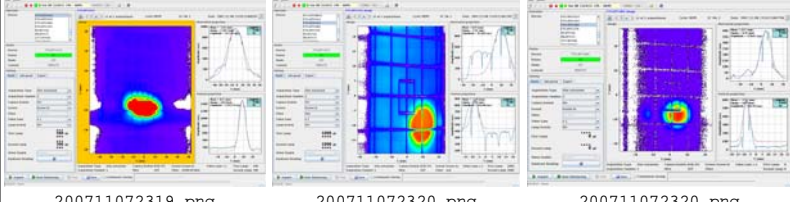

		200711071646.png	
		created by cpsop on cwo-ccc-b61c	
60	16:46	test P: BHZ403=635.7 A, quads to nominal	created by cpsop on cwo-ccc-b61c
61	16:54	test Q: QFO reduced by 20%	created by cpsop on cwo-ccc-b61c
62	17:04	test R: QDE430s=137.6 A, QFO415=233.	created by cpsop on cwo-ccc-b61c
63	17:13	Going back to settings as of 14025, but with a delay of 350 mus ...	created by cpsop on cwo-ccc-b61c
64	17:19	14026: target in, pump/probe 6+2 bunches, 16TP, 5T, MTV414=17.5,-6.2, MTV454=1.0,-10.7, MTV484=-4.4,-7.5	created by cpsop on cwo-ccc-b61c
65	17:30	It seems the connection to the Cryo PLC is lost again. Organizing for replacement of PLC unit, and access to Zone-Z!!!!	created by cpsop on cwo-ccc-b61c
66	18:30	access finished.	created by cpsop on cwo-ccc-b61c
67	18:57	14027: target in, 5T, MTV414:16.6,-6.2 MTV454:0.7,-10.5 MTV484:-4.0,-7.5 THIS SHOT IS NOT VALID (means, that we were out of sync, beam in sync with part. det. and optical diagnostics arrived 5 seconds earlier to jet falt top; magnet field also out of sync, about half value). BPN at this shot was 14.	created by cpsop on cwo-ccc-b61c
68	19:03	Changing to original BPN=19.	created by cpsop on cwo-ccc-b61c
69	19:05	14028: target in, 5T, MTV414:16.5,-5.8 MTV454:0.7,-10.2 MTV484:-3.9,-7.3	created by cpsop on cwo-ccc-b61c
70	19:10	Look at plot ..., clearly reduced intensity on the probe bunches explain the effect.  BunchIntegrations_14017-14028.pdf	created by cpsop on cwo-ccc-b61c
71	19:16	14029: target in, 5T, MTV414:17.3,-5.8 MTV454:0.9,-10.1 MTV484:4.3,-7.6   OpDisp.png sum pickup TT2.png	created by cpsop on cwo-ccc-b61c
72	19:21	14030: target out, 5T, MTV414:17.0,-5.8 MTV454:1.5,-10.1 MTV484:-3.6,-7.7   OpDisp.png sum pickup TT2.png	created by cpsop on cwo-ccc-b61c
73	19:24	14031: target in, 5T, MTV414:16.3,-5.6 MTV454:0.7,-9.9 MTV484:-4.0,-7.4   OpDisp.png sum pickup TT2.png	created by cpsop on cwo-ccc-b61c
74	19:27	14032: target out, 5T, MTV414:16.6,-6.2 MTV454:1.2,-10.1 MTV484:-3.7,-7.7   OpDisp.png sum pickup TT2.png	created by cpsop on cwo-ccc-b61c
75	19:31	14033: target in, 5T, MTV414:16.6,-5.8 MTV454:0.6,-9.9 MTV484:-4.0,-7.6   OpDisp.png sum pickup TT2.png	

		OpDisp.png	sum pickup TT2.png	
				created by cpsop on cwo-ccc-b61c
76	19:33	part. det. plot 		
		BunchIntegrations14026-14033wo14027.pdf		created by cpsop on cwo-ccc-b61c
77	19:40	14034: target in, 5T, MTV414:16.1,-6.4 MTV454:0.3,-10.2 MTV484:-3.9,-7.9 		created by cpsop on cwo-ccc-b61c
78	19:43	14035: target out, 5T, MTV414:17.3,-6.6 MTV454:0.1,-10.2 MTV484:-4.3,-7.6		created by cpsop on cwo-ccc-b61c
79	19:47	Call it a day or not? not yet.		created by cpsop on cwo-ccc-b61c
80	19:59	Preparing 4TP (6+2 bunches) separated by 350 mus ...		created by cpsop on cwo-ccc-b61c
81	19:59	see night shift ...		created by cpsop on cwo-ccc-b61c

MERIT [Thursday 08-Nov-2007 Night]



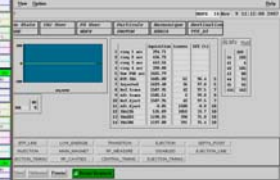

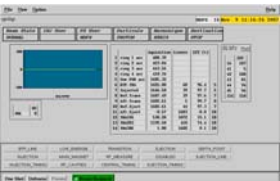

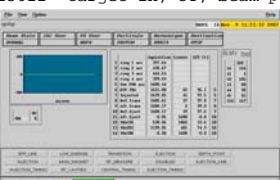

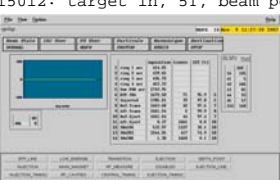
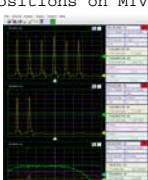
#	Time	Comments		
1	20:00	14036: target in, 5T, MTV414:16.6,-5.8 MTV454:0.3,-9.9 MTV484:-4.7,-7.4 		created by cpsop on cwo-ccc-b61c
2	20:03	Preparing 4TP (8 bunches) extracted within one revolution ...		created by cpsop on cwo-ccc-b61c
3	20:11	14037: target in, 5T, MTV414:16.6,-5.8 MTV454:1.0,-9.9 MTV484:-4.1,-7.6 		created by cpsop on cwo-ccc-b61c
4	20:14	Cooling ...		created by cpsop on cwo-ccc-b61c
5	20:24	Shots for beam verification on position ... working at 3ell in 2 bunches ...		created by cpsop on cwo-ccc-b61c
6	20:25	Focus on MTV454: QF0415=249.5 , QDE430=188.77 		created by cpsop on cwo-ccc-b61c
7	20:36	DH2337=0 (was 0.4 A), DVT353=0, DVT451=0 (was -10A) 		created by cpsop on cwo-ccc-b61c
		set BHZ403=625.0 A		

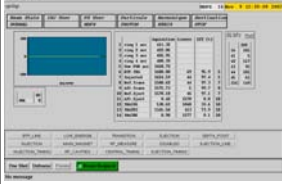
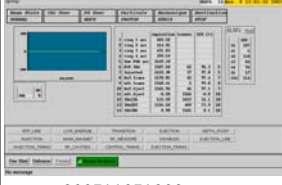

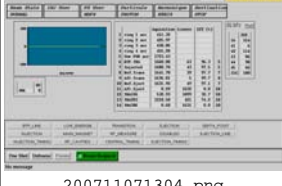
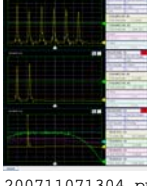

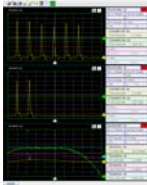
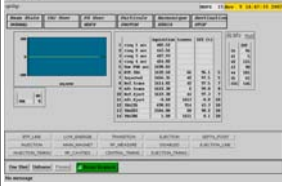
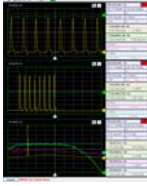
8	20:43	200711072044.png	
9	21:05	<p>set BHZ403=BHZ409=620.5 A</p>  <p>200711072105.png 200711072106.png 200711072106.png</p> <p>created by cpsop on cwo-ccc-b61c</p>	
10	22:03	<p>after "some" changes ... thought to reduce bg by a factor 4.</p>  <p>200711072203.png 200711072203.png 200711072204.png 200711072204.png 200711072205.png</p> <p>created by cpsop on cwo-ccc-b61c</p>	
11	22:10	<p>Runs 1038-14039 useless test shots with settings somewhere from 20:14 to 21:30.</p> <p>Send beam with settings of 22:03 and 9 TP (8 bunches).</p>	created by cpsop on cwo-ccc-b61c
12	22:10	 <p>Opdisp.png sum pickup TT2 line.png</p> <p>created by cpsop on cwo-ccc-b61c</p>	
13	22:12	<p>14040: target out, 0T</p>  <p>200711072212.png 200711072213.png 200711072213.png</p> <p>created by cpsop on cwo-ccc-b61c</p>	
14	22:20	<p>Change focus to MERIT target ...</p>	created by cpsop on cwo-ccc-b61c
15	22:22	<p>14041: target out, 0T</p>  <p>200711072224.png 200711072225.png 200711072226.png</p> <p>created by cpsop on cwo-ccc-b61c</p>	
16	22:45	 <p>200711072246.png 200711072246.png 200711072246.png 200711072246.png</p> <p>200711072246.png 200711072247.png 200711072247.png</p>	

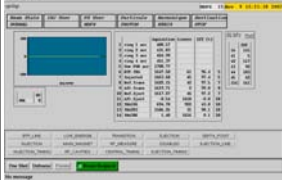

			created by cpsop on cwo-ccc-b61c
17	23:05	<p>14043: target out, 0T</p>  <p>200711072306.png 200711072306.png 200711072306.png 200711072306.png 200711072306.png</p>  <p>200711072307.png 200711072307.png</p>	created by cpsop on cwo-ccc-b61c
18	23:11	14044: target out, 0T (repeat of 14043)	created by cpsop on cwo-ccc-b61c
19	23:16	<p>Settings of 14041 (=22:03 with focus MERIT)</p>  <p>200711072317.png 200711072317.png</p>	created by cpsop on cwo-ccc-b61c
20	23:18	<p>14045: target out, 0T</p>  <p>200711072319.png 200711072320.png 200711072320.png</p>	created by cpsop on cwo-ccc-b61c
21	00:10	<p>Today's log.</p>  <p>MERIT_logging_14.xml_log1 MERIT_logging_14.xml_log0</p>	created by cpsop on cwo-ccc-b61c

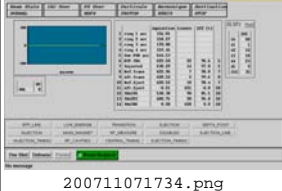
MERIT [Friday 09-Nov-2007 Day]






#	Time	Comments	
1	09:07	CCC (Tel.:70483): Marcus, Ilias, Adrian, Rende, ALexej MCR (Tel.: 75337 or 75662): Harold, Hugo, Thomas, Adam	created by cpsop on cwo-ccc-b61c
2	09:07	PS in MD3-MDPS configuration. 14 GeV/c MERIT cycle in bp.16/17, PS harmonic 8; Timings (beam 14 GeV/c): Delay Hg-loop (BPN-1)*1.2+0.77=18.77; Delay power supply (BPN-1)*1.2-7.63+0.3=10.67 seconds	created by cpsop on cwo-ccc-b61c
3	09:10	Preparing beam ... (settings of 14026) 16 TP, 6+2 bunches, 16 TP, 350 mus delay	created by cpsop on cwo-ccc-b61c
4	09:20	DCPSmerit (controlling the powersupply) is in a faulty state. Investigating ...	created by cpsop on cwo-ccc-b61c
5	09:22	DCPSmerit back again. Restart of controls application, where the problem seemed to be located.	created by cpsop on cwo-ccc-b61c
6	09:36	Day 15!	created by cpsop on cwo-ccc-b61c
7	09:36	15001: 16TP, target in, 5T, NO BEAM to MERIT	created by cpsop on cwo-ccc-b61c
8	09:38	Destination settings changed to TOF/MERIT ...	created by cpsop on cwo-ccc-b61c
9	09:40	verification of beam position: MTV414:17.3,-5.8 MTV454:0.3,-10.4 MTV484:-3.5,-7.4	created by cpsop on cwo-ccc-b61c
10	09:47	The PC of the CERN camera does not show the camera any more. Rebooting ...	created by cpsop on cwo-ccc-b61c

11	09:58	CERN PC rebooting denied. Continue tests without CERN camera.	created by cpsop on cwo-ccc-b61c
12	10:00	15002: 16 TP, target in, 5T, MTV414:15.9,-6.0 MTV454:1,-9.9 MTV484:-3.7,-7.9	created by cpsop on cwo-ccc-b61c
13	10:02	Continuing with 16TP ...	created by cpsop on cwo-ccc-b61c
14	10:04	15003: target in, 5T, MTV414:15.6,-6.0 MTV454:0.7,-10.1 MTV484:-4.0,-7.7	created by cpsop on cwo-ccc-b61c
15	10:10	15004: target in, 5T, MTV414:15.9,-6.2 MTV454:0.6,-10.2 MTV484:-4.0,-7.6	created by cpsop on cwo-ccc-b61c
16	10:12	15005: target out, 5T, MTV414:15.4,-5.8 MTV454:1.0,-10.2 MTV484:-3.7,-7.7	created by cpsop on cwo-ccc-b61c
17	10:15	CERN pc restarted. funtional again.	created by cpsop on cwo-ccc-b61c
18	10:15	15006: target in, 5T, MTV414:15.1,-6.0 MTV454:0.9,-9.9 MTV484:-3.9,-7.6	created by cpsop on cwo-ccc-b61c
19	10:17	15007: target out, 5T, beam positions on MTVs unchanged	created by cpsop on cwo-ccc-b61c
20	10:21	15008: target in, 5T, beam positions on MTVs unchanged	created by cpsop on cwo-ccc-b61c
21	10:24	15009: target out, 5T, beam positions on MTVs unchanged	created by cpsop on cwo-ccc-b61c
22	10:26	Cooling ...	created by cpsop on cwo-ccc-b61c
23	10:31	Summary analysis runs 15003-15009.  Bunch integrations 15002-15009.pdf  BunchIntensities.eps	created by cpsop on cwo-ccc-b61c
24	10:43	Preparing beam: 16TP (6+2 bunches), delay 40 mus ...  OpDisp.png  sum pickup TT2.png	created by cpsop on cwo-ccc-b61c
25	11:16	15010: target in, 5T, MTV414:15.9,-6.0 MTV454:0.1,-10.3 MTV484:-4.1,-7.3  OpDisp.png  sum pickup TT2.png	created by cpsop on cwo-ccc-b61c
26	11:21	15011: target in, 5T, beam positions on MTVs unchanged  OpDisp.png  sum pickup TT2.png	created by cpsop on cwo-ccc-b61c
27	11:27	15012: target in, 5T, beam positions on MTVs unchanged  OpDisp.png  sum pickup TT2.png	created by cpsop on cwo-ccc-b61c
28	11:30	15013: target out, 5T, beam positions on MTVs unchanged	created by cpsop on cwo-ccc-b61c
29	11:35	Interlock to powersupply during shot 15013; occured approx at 500 A on ramp down; shot still valid	created by cpsop on cwo-ccc-b61c
30	11:35	Cryo controls lost connection ...	created by cpsop on cwo-ccc-b61c
31	11:51	Access to zone Z to fix problem with PLC ...	created by cpsop on cwo-ccc-b61c
32	12:25	PLC replaced. Access finished.	created by cpsop on cwo-ccc-b61c

33	12:26	Restart beam ...	created by cpsop on cwo-ccc-b61c	
34	12:53	Cryogenics unstable. to be followed up ...	created by cpsop on cwo-ccc-b61c	
35	12:54	15014: target in, 5T, beam positions on MTVs unchanged  200711071255.png  200711071255.png	created by cpsop on cwo-ccc-b61c	
36	12:58	15015: target out, 5T, beam positions on MTVs unchanged  200711071259.png  200711071259.png	created by cpsop on cwo-ccc-b61c	
37	13:02	15016: target in, 5T, beam positions on MTVs unchanged  200711071302.png  200711071302.png	created by cpsop on cwo-ccc-b61c	
38	13:04	15017: target out, 5T, flags lost  200711071304.png  200711071304.png	created by cpsop on cwo-ccc-b61c	
39	13:05	delaying hg loop by additional second: delay hg loop = 19.77 s	created by cpsop on cwo-ccc-b61c	
40	13:10	15018: target in, 5T  200711071310.png  200711071310.png	created by cpsop on cwo-ccc-b61c	
41	13:10	delaying hg loop by another additional second: delay hg loop = 20.77 s	created by cpsop on cwo-ccc-b61c	
42	13:14	15019: target in, 5T	created by cpsop on cwo-ccc-b61c	
43	13:19	Adrian goes into the weekend. Bye!	created by cpsop on cwo-ccc-b61c	
44	14:43	Ilias starts the weekend !	created by cpsop on cwo-ccc-b61c	
45	14:44	Beam conditions: 16TP, 8bunches, symmetric filling of PS, i.e. no delay, 5T field.	created by cpsop on cwo-ccc-b61c	
46	14:44	15020: target in, 5T, 16TP, MTV414:18.2,-6.0, MTV454=1.1,-10.4, MTV484=-3.7,-7.7. Apparently the position of the MERIT beam was changed in the supercycle: moved to bp=15 instead of 16!!!  200711071447.png  200711071447.png	created by cpsop on cwo-ccc-b61c	

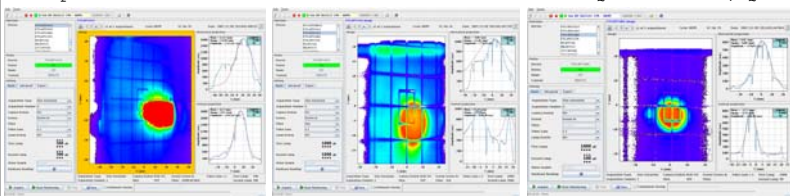
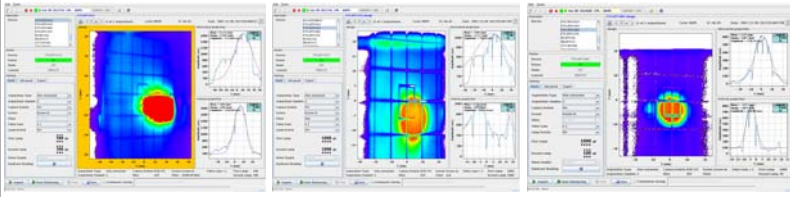
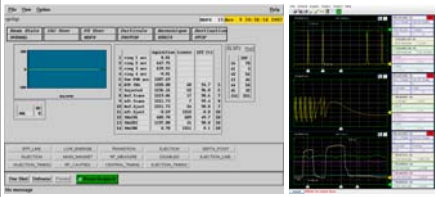
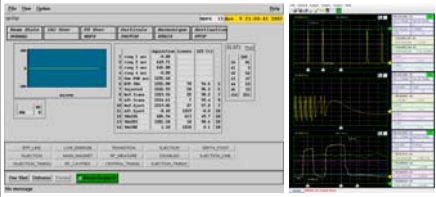

47	14:54	New Delays to set: MERIT bp=15/17, Hg-loop delay = 17.57s, Power supply =9.47sec <i>created by cpsop on cwo-ccc-b61c</i>
48	14:59	15021: 5T, 16TP, target in, MTV414=17.3,-6.6, MTV454=0.7,-10.3, MTV484=-3.4,-7.7. Half view in VP2   200711071501.png 200711071501.png <i>created by cpsop on cwo-ccc-b61c</i>
49	15:06	15022: 5T, 16TP, target in, MTV414=18.2,-6.6, MTV454=1.87,-10.0, MTV484=-3.9,-8.1. No pictures in VP2, all black!!!   200711071508.png 200711071508.png <i>created by cpsop on cwo-ccc-b61c</i>
50	15:16	15023: 5T, 16TP, target in, MTV414=17.5,-6.4, MTV454=1.1, -10.2, MTV484=-3.9,-8.7 <i>created by cpsop on cwo-ccc-b61c</i>
51	15:24	15024: 5T 16TP, no target, MTV414=19.4,-6.22, MTV454=1.29,-10.4, MTV484=-3.7,-7.58   200711071525.png 200711071525.png <i>created by cpsop on cwo-ccc-b61c</i>
52	15:29	15025: 5T, 16TP, target in, MTV414=19.6,-6.4, MTV454=1.5,-10.48, MTV484=-4.1,-7.4 <i>created by cpsop on cwo-ccc-b61c</i>
53	15:30	15026: 5T, 16TP, no target, MTV414=noimage, MTV454=0.2,-11.44(bad image), MTV484=-3.7,-7.58   200711071532.png 200711071532.png <i>created by cpsop on cwo-ccc-b61c</i>
54	15:39	15027: 5TP, 16TP, target in, MTV414=22.96,-6.0, MTV454=0.8,-11.03, MTV484=-3.4,-7.6   200711071539.png 200711071539.png <i>created by cpsop on cwo-ccc-b61c</i>
55	15:40	15028: 5TP, 16TP, no target, MTV414=19.4,-5.8, MTV454=0.14,-11.6, MTV484=-3.4,-8.2 <i>created by cpsop on cwo-ccc-b61c</i>
56	17:00	Restart with beam after a cool down... <i>created by cpsop on cwo-ccc-b61c</i>
57	17:00	15029: MTV414=19.4,-6.2, MTV454=0.43,-10.72, MTV484=-3.72,-8.0   200711071703.png 200711071703.png <i>created by cpsop on cwo-ccc-b61c</i>
58	17:10	15030 Target out Flags 0.29 -9.7 -4.1 -8.1  

		200711071712.png	200711071712.png	
				created by cpsop on cwo-ccc-b61c
59	17:18	15031: target in, 5T,6TP, MTV14=19.4,-6.0, MTV454=0.-10.7, MTV484=-3.8,-7.7 		
		200711071719.png	200711071719.png	created by cpsop on cwo-ccc-b61c
60	17:19	15032: target out, 5T, 6TP, MTV414=18.9,-6.4, MTV454=0.8,-11.7,MTV484=-3.8,-7.5		created by cpsop on cwo-ccc-b61c
		15033: target in, 5T, 6TP, MTV414=18.2,-6.0, MTV454=1.5,-11.0, MTV484=-4.0,-7.7 		
61	17:27	200711071727.png	200711071727.png	created by cpsop on cwo-ccc-b61c
		15034: target out, 5T, 6TP, MTV414=18.0,-6.4, MTV454=1.6,-10.2, MTV484=-3.9,-8.0 		
62	17:29	200711071730.png	200711071730.png	created by cpsop on cwo-ccc-b61c
		15035: target in, 5T, 6TP, MTV414=18.2,-6.0, MTV454=1.15,-10.3, MTV484=-3.8,-7.7 		
63	17:34	200711071734.png	200711071735.png	created by cpsop on cwo-ccc-b61c
		15036: target out, 5T, 6TP, MTV414=18.2,-6.42, MTV454=1.3,-10.48, MTV484=-3.8,-7.6 		
64	17:37	200711071737.png	200711071737.png	created by cpsop on cwo-ccc-b61c
65	17:38	Steer beam upwards a bit: FTN.DVT451 -12A (from -10A)		created by cpsop on cwo-ccc-b51c
				
66	17:41	200711071741.png	200711071742.png	created by cpsop on cwo-ccc-b51c
		Steer again: FTN.DVT451 -7A. 		
67	17:43			


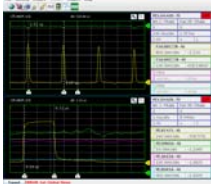
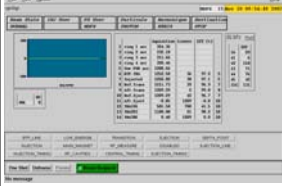
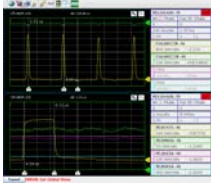
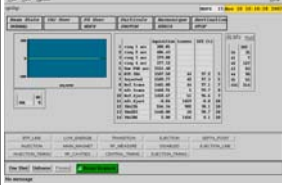
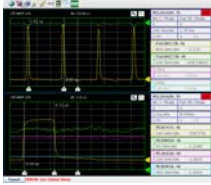
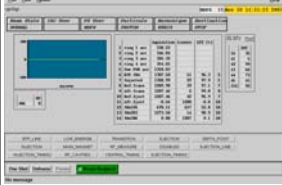
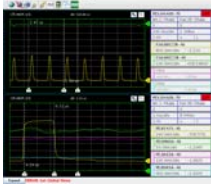

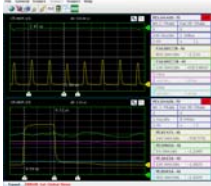
		200711071745.png	200711071745.png		created by cpsop on cwo-ccc-b51c
68	17:47	Steer again. DVT451=-8.5A.			created by cpsop on cwo-ccc-b61c
69	17:49	15037: target in, 5T, 6TP, MTV414=19.4,-5.8, MTV454=1.15,-10.34, MTV484=-4.1,-7.7 			created by cpsop on cwo-ccc-b61c
70	18:32	Prepare 10 TP in 8 consecutive bunches. 			created by cpsop on cwo-ccc-b51c
71	18:42	15038: target in, 10TP, 5T, MTV414=19.1,-6.8, MTV454=-0.14,-10.48, MTV484=-3.72,-7.4 			created by cpsop on cwo-ccc-b61c
72	18:50	Steer the beam down again: DVT451=-10A (were in fact it was earlier!!!!). Prepare the beam at 8TP, 8bunches			created by cpsop on cwo-ccc-b61c
73	18:51	15039: target in, 8TP, 5T, MTV414=17.98,-6.21, MTV454=0.14,-10.89, MTV484=-4.13,-7.58 			created by cpsop on cwo-ccc-b61c
74	19:07	Prepare steering according 8016 and 8018 (BHZ403=BHZ409=609.7A (instead of 605.7A)			created by cpsop on cwo-ccc-b51c
75	19:09	15040:target in, 8TP, 5T, MTV414=19.6,-6.42, MTV454=2.01,-10.75, MTV484=-1.1,-8.38 			created by cpsop on cwo-ccc-b61c
76	19:17	Prepare 6 TP in 8 consecutive bunches.			created by cpsop on cwo-ccc-b51c
77	19:18	15041: target in, 6TP, 5T, MTV414=17.2,-6.0, MTV454=2.73,-10.6, MTV484=-1.2,-8.38 			created by cpsop on cwo-ccc-b61c
		15042: target in, 6TP, 5T, MTV414=17.3,-6.0, MTV454=3.0,-10.3, MTV484=-0.5,-8.2 			

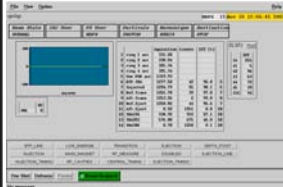
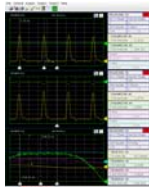
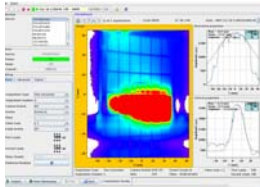
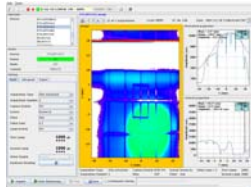
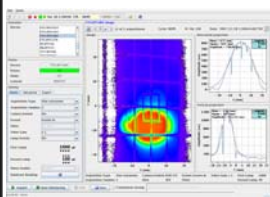
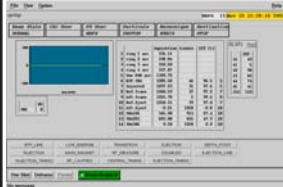

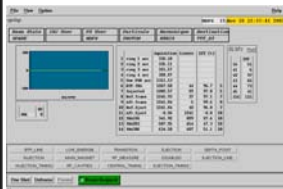
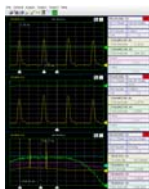
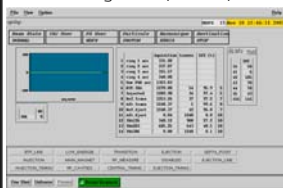
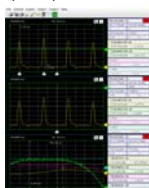


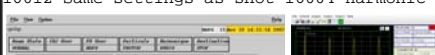
78	19:28	200711071929.png	200711071929.png	created by cpsop on cwo-ccc-b61c
79	19:57	<p>15043: target in, 6TP, 5T, 16bunches, MTV414=16.33,-6.6, MTV454=2.87,-10.20, MTV484=-1.2,-7.7</p>  <p>200711071958.png</p> <p>200711071958.png</p> <p>created by cpsop on cwo-ccc-b61c</p>		



MERIT [Friday 09-Nov-2007 Night]

#	Time	Comments		
1	20:00	<p>Yet another day we stay over 20:00H !!!!! and not only that, we are puzzled with the latest discovery that the jet splashes depend on the beam harmonic!</p> <p>created by cpsop on cwo-ccc-b61c</p>		
2	20:10	<p>Beam spot measurement at harmonic-16. Move focus to MTV484:QF0415=243.62, QDE430=183.52.</p>  <p>200711072015.png</p> <p>200711072015.png</p> <p>200711072015.png</p> <p>created by cpsop on cwo-ccc-b61c</p>		
3	20:17	<p>Beam spot at harmonic-8. Intensity 6TP as before in h-16.</p>  <p>200711072017.png</p> <p>200711072018.png</p> <p>200711072018.png</p> <p>created by cpsop on cwo-ccc-b61c</p>		
4	20:38	<p>dummy shot to test optics,</p> <p>created by cpsop on cwo-ccc-b61c</p>		
5	20:57	<p>Preparing special spacing beam with 12TP: bunch, 786ns, bunch, 2340ns, bunch, 786ns, bunch</p> <p>created by cpsop on cwo-ccc-b51c</p>		
6	20:59	<p>15044: target in, 12TP, 5T, MTV414=16.33, -6.6, MTV454=2.87,-10.20, MTV484=-1.2,-7.7. Quads set to focus at MTV484.</p>  <p>200711072059.png</p> <p>200711072059.png</p> <p>created by cpsop on cwo-ccc-b61c</p>		
7	21:03	<p>Quads to target focus.</p> <p>created by cpsop on cwo-ccc-b51c</p>		
8	21:04	<p>15045: target in, 12TP, 5T, MTV414=16.8,-5.8, MTV454=2.87,-10.2, MTV484=-0.69,-8.2</p>  <p>200711072105.png</p> <p>200711072105.png</p> <p>created by cpsop on cwo-ccc-b61c</p>		
9	21:07	<p>Summary of today's operations.....</p>  <p>MERIT_logging_14.xml</p> <p>created by cpsop on cwo-ccc-b61c</p>		

MERIT [Saturday 10-Nov-2007 Day]


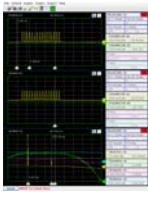

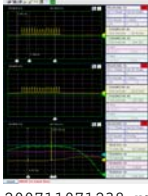
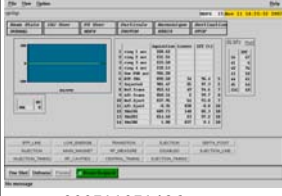
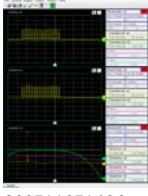
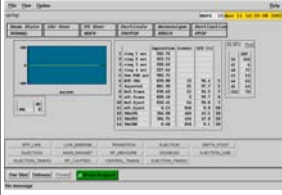
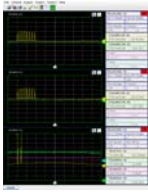
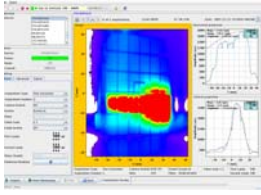
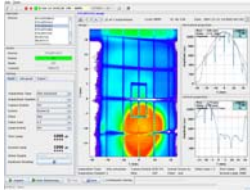
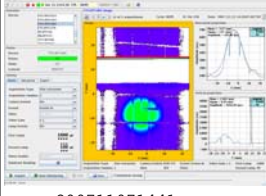
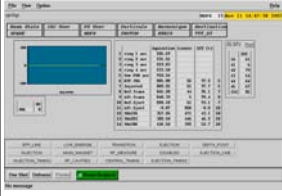

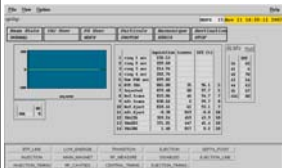
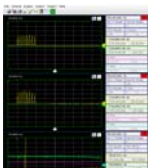
#	Time	Comments
1	08:00	Rende in good mood in PS controls ready to make history....., Marcus in the particle detectors, Ilias looking at flasks, and Harold, Hugo, Adam Thomas in the MCR. <i>created by cpsop on cwo-ccc-b61c</i>
2	09:21	PS configuration: 4 bunches hardmonic 8, equidistant:524ns between, intensity can go up to 17TP (3.8TP/bunch). MDPS in bp15/17, Hg-loop delay=15.57s, PSdelay=9.46 <i>created by cpsop on cwo-ccc-b61c</i>
3	09:29	16001: Warm-up shot: single bunch, 2.5TP, 200A, MTV414=16.6,-5.2, MTV454=3.4,-10.0, MTV484=-0.13,-7.7 <i>created by cpsop on cwo-ccc-b61c</i>
4	09:33	16002: 10TP 4bunches, 5T, target in, MTV414=14.9,-6.42, MTV454=3.3,-10.4, MTV484=-0.13,-7.7. Solenoid power supply did not reach the requested 2500A, but delivered 2020A and did not provide a flattop.   200711070936.png 200711070936.png <i>created by cpsop on cwo-ccc-b51c</i>
5	09:33	Jacques arrived in CCC.... <i>created by cpsop on cwo-ccc-b61c</i>
6	09:52	16003: 12TP 4bunches, 5T, target in, MTV414=14.9,-6.4, MTV454=3.5,-10.2, MTV484=0.0,-8.2. Again the power supply provided only 2034(peak) A and basically no flat top.   200711070955.png 200711070955.png <i>created by cpsop on cwo-ccc-b61c</i>
7	10:00	Trying to call PO experts but no luck... <i>created by cpsop on cwo-ccc-b61c</i>
8	10:05	16004: 14TP 4bunches, 6.4T (asked 2999.98A), target in, MTV414=17.7,-6.0, MTV454=3.3,-10.0, MTV484=0.1,-8.0. Power supply fired only up to 2784A, but in a strange shape!   200711071011.png 200711071012.png <i>created by cpsop on cwo-ccc-b61c</i>
9	10:21	Andre Beuret (PO expert) accepted very kindly to come in about 30min... <i>created by cpsop on cwo-ccc-b61c</i>
10	10:39	Andre is in front of the power converter and the MERIT crew will purge the magnet so that Andre can pulse it. <i>created by cpsop on cwo-ccc-b61c</i>
11	11:25	Andre tested the power ocnverter at 300A and things seem to be normal. He would like to see a nominal shot. We prepare for 12TP at H8 with 5T. <i>created by cpsop on cwo-ccc-b61c</i>
12	11:35	16005: target in, 5T(2499A), MTV414=16.8,-5.8 MTV454=3.4,-10.6, MTV484=0,-7.9. It seems the ps delivered the current (MAX=2500A) but probably without a normal flat top, investigating.... Andre says the impedance of the circuit changes a lot during the pulse - he would like to observe it with a second pulse...   200711071136.png 200711071136.png <i>created by cpsop on cwo-ccc-b61c</i>
13	11:39	BHZ430=BHZ409=612.69A (instead of 609.69A). <i>created by cpsop on cwo-ccc-b51c</i>
14	11:42	16006: 12TP, 5T, target in, MTV414=13.9, -6.0, MTV454=5.3,-10.7, MTV484=2.4,-8.3   200711071145.png 200711071145.png <i>created by cpsop on cwo-ccc-b61c</i>
		16007: 12TP, 5T, target in, BHZ430=BHZ409=606.69A (instead of 612.69A). MTV flag info lost....

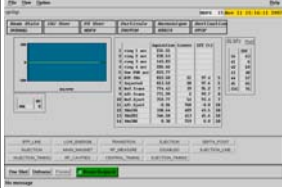
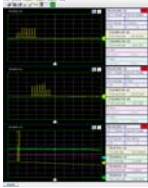
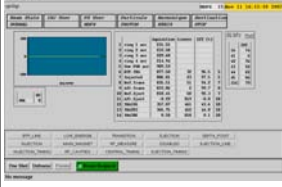


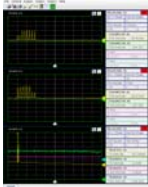

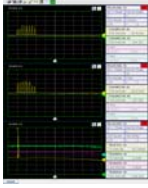
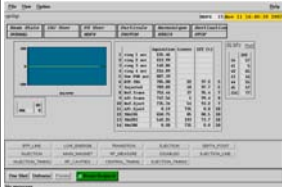
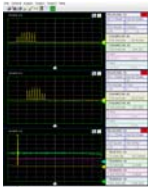
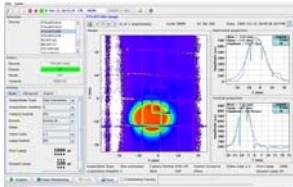
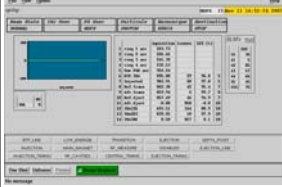

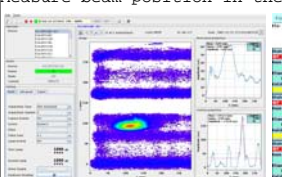
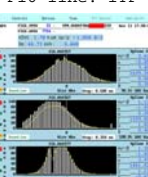
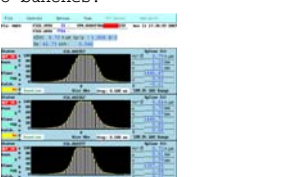
		200711071147.png	200711071147.png	
15	11:45			created by cpsop on cwo-ccc-b51c
16	11:54	Preparing 4+4 separated by 40mus (KFA71 intershot delay = 146) 12TP in total and BHZ403=BHZ409=609.69A. created by cpsop on cwo-ccc-b51c		
17	12:07	16008: target in, 12TP, 40us, 5T, MTV414=11.5,-6.0, MTV454=5.9,-10.3, MTV484=1.1,-7.5. There is a strange shape of the beam in MTV414; probably the probe is at different position than the pump...  200711071207.png  200711071207.png  200711071209.png  200711071210.png  200711071210.png		
				created by cpsop on cwo-ccc-b61c
18	12:28	16009: target in, 12TP 40us, 5T, MTV414=20.89,-6.8, MTV454=2.18,-10.48, MTV484=-0.5,-8.06. Beam shapes seem ok.  200711071230.png  200711071230.png		
				created by cpsop on cwo-ccc-b61c
19	12:37	16010: target in, 12TP, 350us, 5T, MTV414=17.2,-6.6, MTV454=3.3,-10.4, MTV484=-0.1,-8.0.  200711071237.png  200711071238.png		
				created by cpsop on cwo-ccc-b61c
20	12:46	16011: target in, 12TP, 700us, 5T, MTV414=19.1,-5.6, MTV454=2.6,-10.7, MTV484=-0.8,-8.0.  200711071246.png  200711071246.png		
				created by cpsop on cwo-ccc-b61c
21	14:00	Preparing 4 equidistant bunches from the PSB into harmonic 8 in PS with 14TP.  200711071406.png  200711071407.png		
				created by cpsop on cwo-ccc-b51c
22	14:05	Harold, Rende, and Marcus in CCC; Thomas,Adam, and Hugo in MERIT control created by cpsop on cwo-ccc-b61c		
		16012 Same settings as shot 16004 Harmonic 4, 14TP, 5T, 15m/s Jet Flags at 3.3 -9.7 and -0.14 -8.1 		

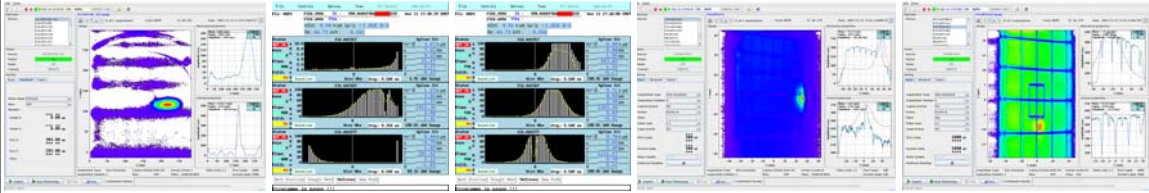
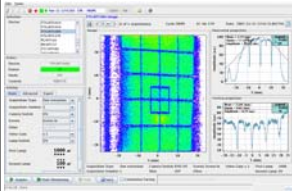
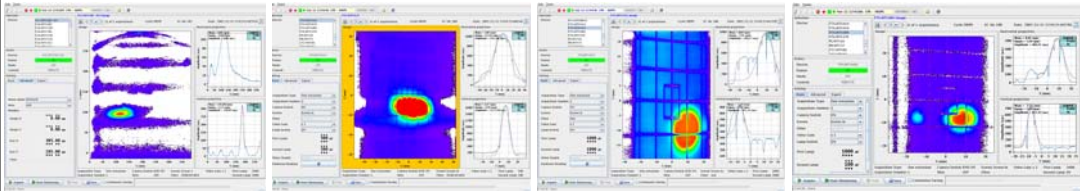


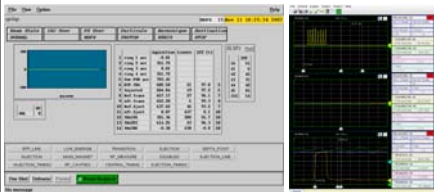
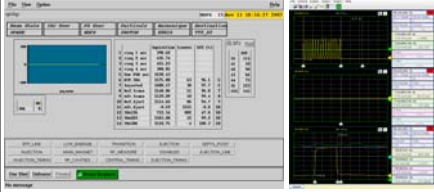
		200711071414.png	200711071414.png	
23	14:09			created by cpsop on cwo-ccc-b61c
24	14:29	16013: Same settings as before but with 10T field. No SMD camera images Flags 3.0 -9.1 0.14 -7.7  	200711071429.png	200711071429.png
				created by cpsop on cwo-ccc-b61c
25	14:36	Preparing 4 equidistant bunches from the PSB into harmonic 8 in PS with 12TP. 	200711071437.png	
				created by cpsop on cwo-ccc-b61c
26	14:42	16014: Repeat of 16013 SMD camera gives 1/2 image Flags 3.0 -9.4 -0.7 -7.1  	200711071442.png	200711071442.png
				created by cpsop on cwo-ccc-b61c
27	15:13	16015 Repeat of 16014 but at 15T Flags at 2.9 -9.0 -0.3 -6.6  	200711071534.png	200711071534.png
				created by cpsop on cwo-ccc-b61c
28	15:38	16016 4 bunches 10TP 5T 15m/s Flags 3.2 -9.1 -0.4 -7.7  	200711071543.png	200711071543.png
				created by cpsop on cwo-ccc-b61c
29	15:47	That concludes today's program.  MERIT_logging_14.xml_log1		created by cpsop on cwo-ccc-b61c
30	15:50	Preparing for tomorrow: harmonic 8 4+4 with 500 mus delay and 12 TP.  	200711071607.png	200711071607.png
				created by cpsop on cwo-ccc-b61c


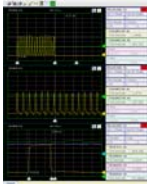
MERIT [Sunday 11-Nov-2007 Day]

#	Time	Comments
1	08:00	OUR LAST DAY!!!! Alexej, Ilias, Marcus, Jacques in CCC, Harold, Thomas, Adam in Meric Control Room... <i>created by cpsop on cwo-ccc-b61c</i>
2	09:32	Started with access in TT2 to reboot PCMERIT01, PCMERIT08. Reboot was fine, back to preparing beam. <i>created by cpsop on cwo-ccc-b61c</i>
3	09:34	Alexej is preparing: harmonic-16, 6TP 8(3TP) + 8(3TP) and scan the time delay: 0us, 40us, 350use, 700us (tbc) <i>created by cpsop on cwo-ccc-b61c</i>
4	09:34	MDPS in bp=15/17, Hg-loop delay = 17.57, Power supply delay = 9.470 <i>created by cpsop on cwo-ccc-b61c</i>
5	10:05	17001: target in 15m/s, 6TP 16bunches, 5T, MTV414=18.9,-6.0, MTV454=2.7,-10.7, MTV484=-0.9,-8.0  200711071005.png  200711071005.png <i>created by cpsop on cwo-ccc-b61c</i>
6	11:14	Access to reboot again PCMERIT01, PCMERIT08. PCMERIT08 moved upstream close to the Hg-loop pump.3 <i>created by cpsop on cwo-ccc-b61c</i>
7	11:18	17002: target in, 7.8TP, 5T, MTV414=18.6,-6.6, MTV454=2.5,-10.4, MTV484=-0.5,-8.0.  200711071119.png  200711071119.png <i>created by cpsop on cwo-ccc-b61c</i>
8	11:27	17003: target in, 6TP, 5T, MTV414=18.4,-6.4, MTV454=2.7,-10.8, MTV484=-0.8,-7.9. poor quality jet - to be repeated.  200711071127.png  200711071127.png <i>created by cpsop on cwo-ccc-b61c</i>
9	11:34	17004: target in, 6.25TP, 5T, MTV414=19.1,-6.8, MTV454=2.7,-10.6, MTV484=-0.8,-7.4  200711071135.png  200711071135.png <i>created by cpsop on cwo-ccc-b61c</i>
10	11:48	In case to restore the GFAS function for the power supply: click on "Open GFA Editor" button. In the pop-up window click on the "File" command and then "Open Reference Function". Click on the bottom-right button "Send To Hardware" and close the window. The function should be restored in the MERITCtrl window... <i>created by cpsop on cwo-ccc-b61c</i>
11	11:53	empty shot to check beam steering. BHZ403-409=606.7(was 609.7) MTV414=20.5,-6.2, MTV454=1.3,-10.3, MTV484=-3.6,-7.6  200711071153.png  200711071153.png <i>created by cpsop on cwo-ccc-b61c</i>
12	12:00	17005: target in, 6TP, 5T, MTV414=18.2,-6.6, MTV454=1.4,-10.6, MTV484=-3.5,-7.7  200711071200.png  200711071200.png

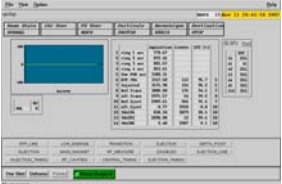
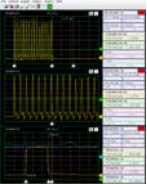
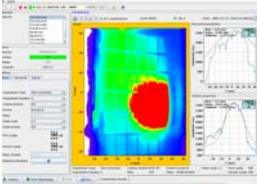
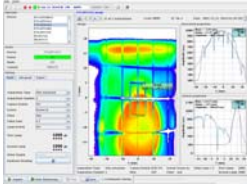
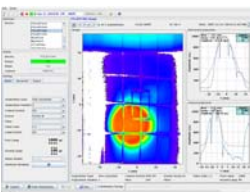
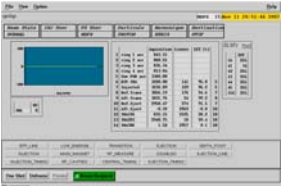
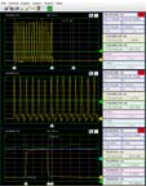
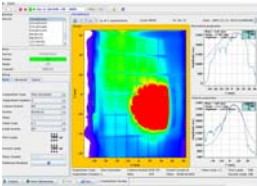
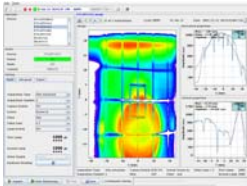
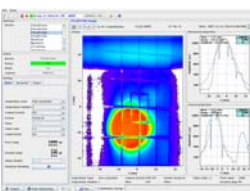

		200711071200.png	200711071200.png	created by cpsop on cwo-ccc-b61c
13	12:23	17006: target in, 6TP, 7T, MTV414=21.3,-6.4, MTV454=1.3,-9.9, MTV484=-3.6,-7.5   200711071224.png 200711071224.png created by cpsop on cwo-ccc-b61c		
14	12:38	17007: target in, 4TP, 7T, MTV414=20.5,-5.8, MTV454=1.9,-10.3, MTV484=-3.3,-7.7   200711071238.png 200711071238.png created by cpsop on cwo-ccc-b61c		
15	12:41	Start cool-down cycle...		
16	12:49	Bean studies done. We tried to have access but we had high readings (~10uSv) in the radiation monitor, beyond the access limit. Decided to proceed without access hoping that the monitor will go down with time. created by cpsop on cwo-ccc-b61c		
17	14:26	17008: target in, 8TP, 7T, MTV414=17.0,-6.6, MTV454=lost, MTV484=-3.0,-7.7   200711071426.png 200711071426.png created by cpsop on cwo-ccc-b61c		
18	14:37	Preparing for beam 8TP: 4TP/8bunches, 4TP/8bunches, 40usec delay. created by cpsop on cwo-ccc-b61c		
19	14:39	17009: target in, 8TP, 40us - but something went wrong in the extraction, Alexej investigating..., MTV414=???,MTV454=454=0.4,-10.3, MTV484=-4.2,-7.7. Most likely one bunches was wrongly extracted.     200711071440.png 200711071440.png 200711071441.png 200711071441.png  200711071441.png created by cpsop on cwo-ccc-b61c		
20	14:48	17010: target in, 8TP, 40us, 7T, MTV414=19.1,-6.6, MTV454=1.3,-10.3, MTV484=-3.5,-7.7   200711071448.png 200711071448.png created by cpsop on cwo-ccc-b61c		
21	14:48	17011: target in, 8TP, 80us, 7T, MTV414=17.98,-6.0, MTV454=1.0,-10.6, MTV484=-3.4,-7.4  		

		200711071459.png	200711071500.png	
		17012: target in, 8TP, 20us, 7T, MTV414=19.4,-6.0, MTV454=1.3,-10.2, MTV484=????		
22	15:15			created by cpsop on cwo-ccc-b61c
		200711071516.png	200711071517.png	
		17013: target in, 8TP, 60us, 7T, MTV414=21.3,-6.2, MTV454=1.0,-10.3, MTV484=-3.8,-7.9		
23	16:13			created by cpsop on cwo-ccc-b61c
		200711071614.png	200711071614.png	
24	16:14	Start cooling cycle...		
		17014: target in, 8TP(7.3in fact!), 10.5us, 7T, MTV414=21.3,-6.4, MTV454=1.3,-10.7, MTV484=-3.2,-7.7		
25	16:21			created by cpsop on cwo-ccc-b61c
		200711071621.png	200711071621.png	
		17015: target in, 7.5TP, 10.5usec, 7T, MTV414=20.3,-6.2, MTV454=1.15,-10.6, MTV484=-3.6,-7.7		
26	16:30			created by cpsop on cwo-ccc-b61c
		200711071630.png	200711071630.png	
		17016: target in, 7.4TP, 5.8usec, 7T, MTV414=20.8,-6.8, MTV454=1.3,-10.4, MTV484=-3.5,-7.7. again beam instability in the booster, the beam spot at MTV484 looks rather heliptical in the h-plane; was round before.		
27	16:40			
		200711071640.png	200711071641.png	200711071643.png
		17017: target in, 8.4TP, 0usec, 7T, MTV414=19.1,-6.6, MTV454=1.4,-10.6, MTV484=-3.4,-7.9		
28	16:52			created by cpsop on cwo-ccc-b61c
		200711071653.png	200711071653.png	
29	17:16	New cooling cycle...		
		Measure beam position in the F16 line. 1TP two bunches.		
30	17:21			

		200711071724.png 200711071729.png 200711071730.png	created by cpsop on cwo-ccc-b61c
31	17:31	<p>Set beam tune as in nTOF-2004: F16 line: BHZ117=109.9(from 125.9), BVT123=147.46(from 148.23), BHZ247=106.69(from 85.71), BHZ167=88.98 (from 84.4), BVT173=146.99(from 148.57), DHZ337=-0.7(from 0.4), DVT353=0.7(from 0.4) FTN line: BHZ403-406=619.5 (from 606.9) BHZ409=623.(from 606.9) Radiation alarm in TOF area....</p>  <p>200711071737.png 200711071739.png 200711071740.png 200711071742.png 200711071742.png</p>  <p>200711071742.png</p>	created by cpsop on cwo-ccc-b61c
32	17:42	<p>Reset bends of F16 line to new values as for MERIT run....</p>  <p>200711071743.png 200711071744.png 200711071745.png 200711071745.png</p>	created by cpsop on cwo-ccc-b61c
33	17:54	<p>17018: Restart after cool-down cycle. Beam setup: 8TP, 16 bunches, 8+8 at 3.2us spacing(between first of pump to first of probe), target in, 7T. MTV414=19.6,-6.8, MTV454=1.3,-10.2, MTV484=-3.1,-7.97</p>  <p>200711071757.png 200711071757.png</p>	created by cpsop on cwo-ccc-b61c
34	18:17	<p>17019: target in, 4TP 8bunches, 7T, MTV414=19.4,-6.6, MTV454=1.8,-9.9, MTV484=2.9,-7.9</p>  <p>200711071817.png 200711071817.png</p>	created by cpsop on cwo-ccc-b61c
35	18:26	<p>17020: target in, 6TP 8bunches, 7T, MTV414=20.8,-6.6, MTV454=2.15,-10.3, MTV484=-2.89,-7.9.</p>  <p>200711071826.png 200711071826.png</p>	created by cpsop on cwo-ccc-b61c
36	18:35	<p>17021: target in, 15TP 16bunches, 10T, MTV414=22.7,-6.0, MTV454=2.3,-10.3, MTV484=-3.1,-7.9.</p>  <p>200711071837.png 200711071837.png</p>	

			created by cpsop on cwo-ccc-b61c
37	19:41	<p>17022: target in, 15TP, 16bunches, 15T, MTV414=2.6,-10.6, MTV484=-2.6,-7.4</p>   <p>200711071941.png 200711071942.png</p>	created by cpsop on cwo-ccc-b61c
38	19:41		created by cpsop on cwo-ccc-b61c

MERIT [Sunday 11-Nov-2007 Night]

#	Time	Comments	
1	20:00	Continue with beam studies....	created by cpsop on cwo-ccc-b61c
2	20:36	Preparing for our last shots!!!!!! Maximum intensity at 16bunches, maximum field.	created by cpsop on cwo-ccc-b61c
3	20:42	<p>17023: target in, 29TP, 16bunches, 15T, MTV414=19.6,-6.4, MTV454=1.4,-10.7, MTV484=-3.1,-6.9.</p>     <p>200711072043.png 200711072043.png 200711072045.png 200711072045.png</p>  <p>200711072045.png</p>	created by cpsop on cwo-ccc-b61c
4	20:46	<p>17024: target in 20m/s, 29.6TP, 16bunches, 10T, MTV414=19.6,-7.4, M454=1.2,-10.5, MTV484=-3.7,-7.5</p>     <p>200711072052.png 200711072052.png 200711072054.png 200711072054.png</p>  <p>200711072054.png</p>	created by cpsop on cwo-ccc-b61c
5	20:53	<p>Summary of today's operations.</p>  <p>MERIT_logging_14.xml_log0</p>	created by cpsop on cwo-ccc-b61c
6	20:53	THAT'THE END!!!! THANKS A LOT AND CONGRATULATIONS TO EVERYBODY!!!!	created by cpsop on cwo-ccc-b61c