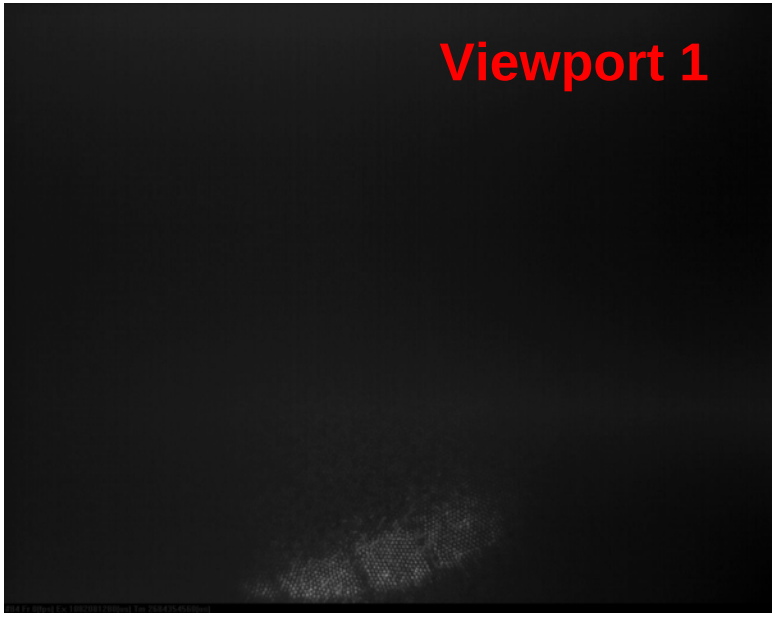
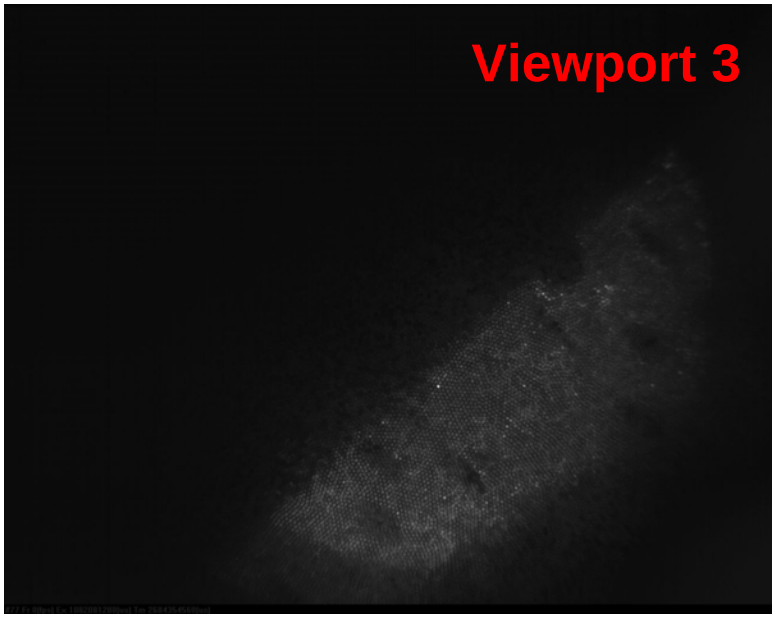
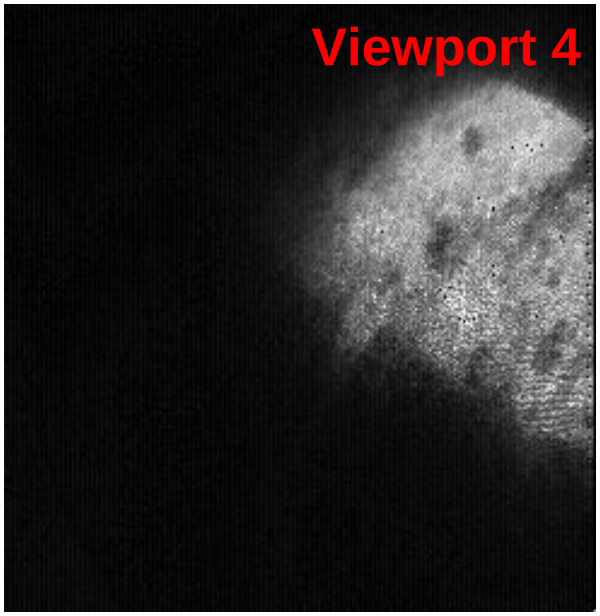
Oct 4, 2007 14:00 after 0.5 hrs TT2 tunnel access to replace secondary heater power supply

Temperature (ºC) on HPU display
Primary : -23
Secondary : 14





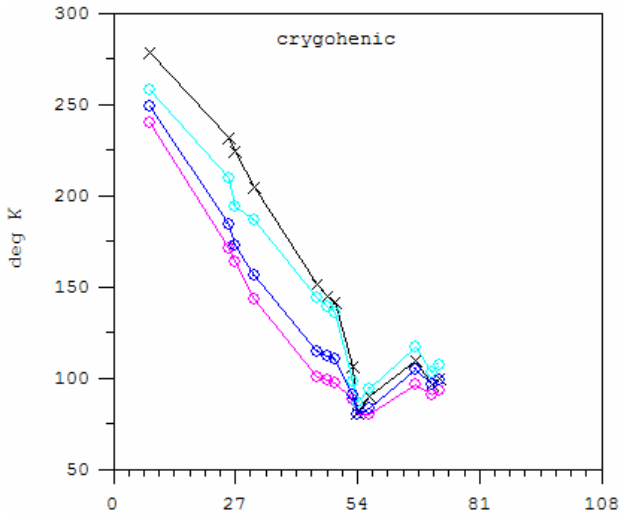


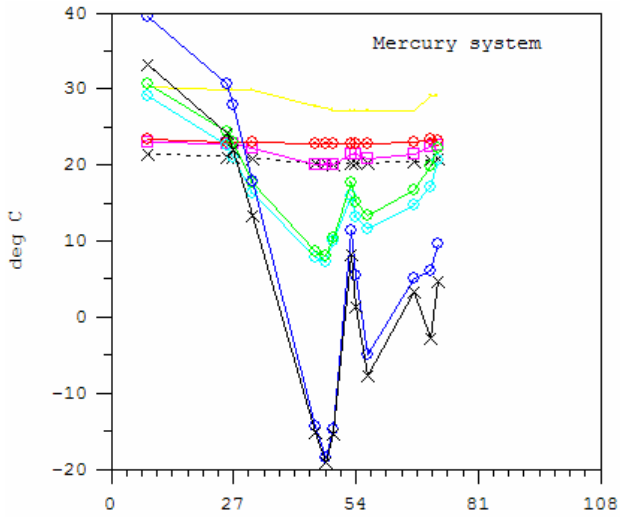
MERIT temperature log Oct 2-5, 2007

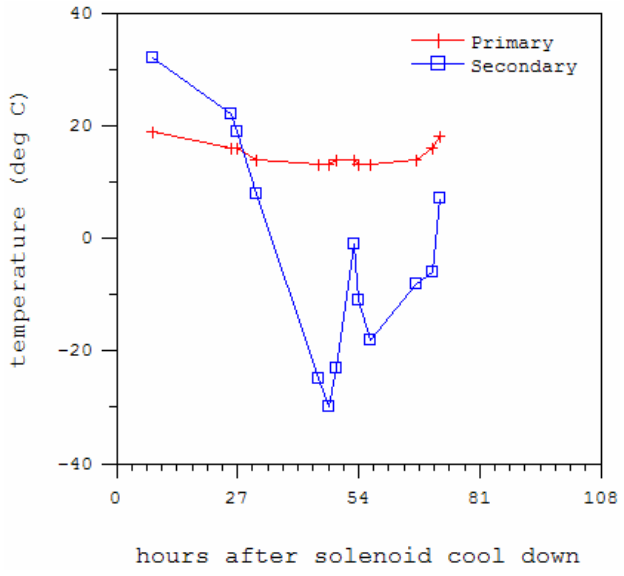
CERN Merit

Manual Log of temperature readout from Crygogenic, Mercury system, and Optics

Date & time		Crygogenic (degree K)						Mercury system (degree C)						Optics (degree C)		
	TT301C	TT302C	TT303C	TT304C	Sump tan	hyd fluid	Cy. Inlet	sec. Air	D.Pri Win	D Bore ai	U bore ai	Nozzle F	Primary		Secondary	
														set point		set point
10/2/2007 21:00	278	240	258	249	21.5	30.2	23	23.3	29.1	30.6	39.5	33.2	32	35 C, 15V	19	20 C, 70 V
10/3/2007 14:30	231.6	171.1	209.6	184	21.1	29.9	22.7	23	22.5	24.4	30.6	24.1	22	35 C, 15V	16	20 C, 70 V
10/3/2007 15:56	224.1	163.4	194.1	172.9	21.1	29.9	22.7	22.9	21	22.9	28	22	19	35 C, 15V	16	20 C, 70 V
10/3/2007 20:14	204.1	143.2	186.2	156	20.9	29.8	22.2	22.9	16.2	17.6	17.9	13.4	8	35 C, 15V	14	20 C, 70 V
10/4/2007 10:10	151	100.7	143.5	114.4	20.2	27.7	20.1	22.8	7.9	8.7	-14.3	-15.2	-25	35 C, 15V	13	20 C, 70 V
10/4/2007 12:30	145	98.6	139.2	111.6	20.2	27.6	20	22.8	7.3	8	-18.5	-19.1	-30	35 C, 15V	13	20 C, 70 V
10/4/2007 14:00	141	97.2	136	110	20.1	27.2	20	22.7	10	10.3	-14.7	-15.4	-23	35 C, 18V	14	30 C, 110V
10/4/2007 18:00	106	88	98.2	90.9	20.2	27.1	21.4	22.8	15.9	17.6	11.4	8.2	-1	35 C, 18V	14	30 C, 110V
10/4/2007 19:00	80.4	79.9	86.4	80	20.3	27.1	21.4	22.8	13.1	15.1	5.4	1.3	-11	35 C, 18V	13	30 C, 110V
10/4/2007 21:40	89.5	80.1	93.8	83	20.3	27.1	20.9	22.8	11.6	13.3	-4.9	-7.8	-18	35 C, 18V	13	30 C, 110V
10/5/2007 8:00	109.1	96.7	117.2	104.4	20.4	27.2	21.5	22.9	14.7	16.6	5	3.3	-8	35 C, 18V	14	30 C, 110V
10/5/2007 11:35	96.5	90.9	102.9	96.1	20.7	29.1	22.4	23.4	17.1	19.9	6	-2.8	-6	35 C, 18V	16	30 C, 110V
10/5/2007 13:05	99.8	92.8	106.9	99	20.8	29.1	22.5	23.2	20.7	22.1	9.7	4.6	7	35 C, 18V	18	30 C, 110V







Plan of 10/5/07 TT2A access

HeeJin

•Inspect any damage to optics/reflector
•Align V#3 and #4 using FV and SMD by adjusting reflector
•Align V#1 using FV
•align V#2 using Olympus camera
•switch camera back to original arrangement, i.e. switch V#4 to Olympus to and V#2 to SMD
•use bicycle pump to pump HPU gauge back to appropriate pressure

Thomas

•send red laser to V#1 and V#2 and confirm a clear red circle exiting all-in-one optical head
•On V#4 touch up lens alignment onto SMD
•check 25 W laser using IR viewer
•replace Avalanche photodiode with regular photodiode

Others

•use bicycle pump to pump HPU gauge back to appropriate pressure
•Check vacuum on solenoid

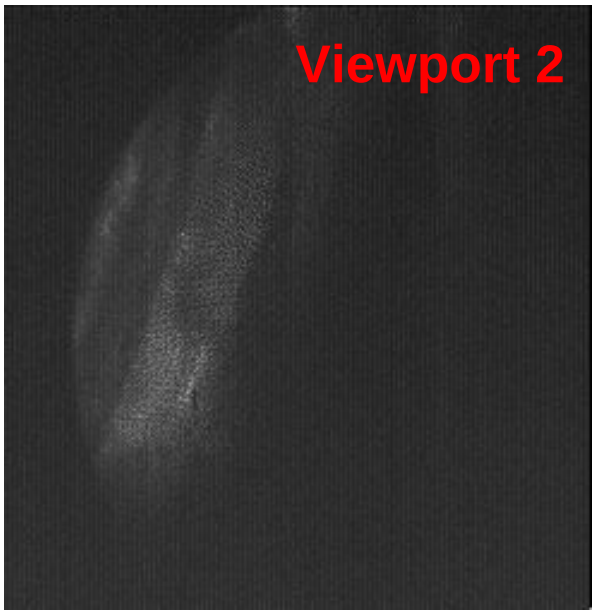
V#1 - PcMerit01 – 137.138.184.15
V#2 - PcMerit08 – 137.138.184.21
V#3 - PcMerit02 – 137.138.184.16
V#4 - CERN-highspeed1 – 137.138.184.9
Window98 VPN access through PCMerit01

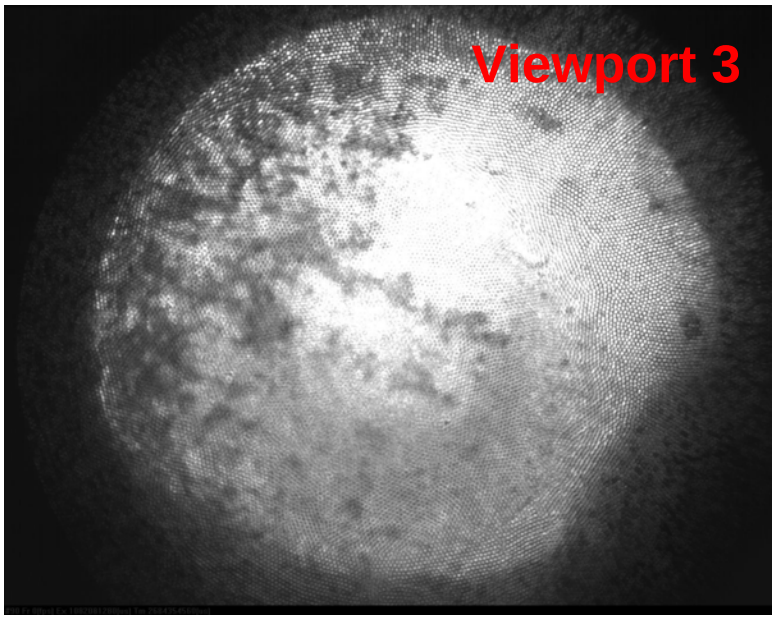
Good news:
All items accomplished
All viewports and cameras are functioning

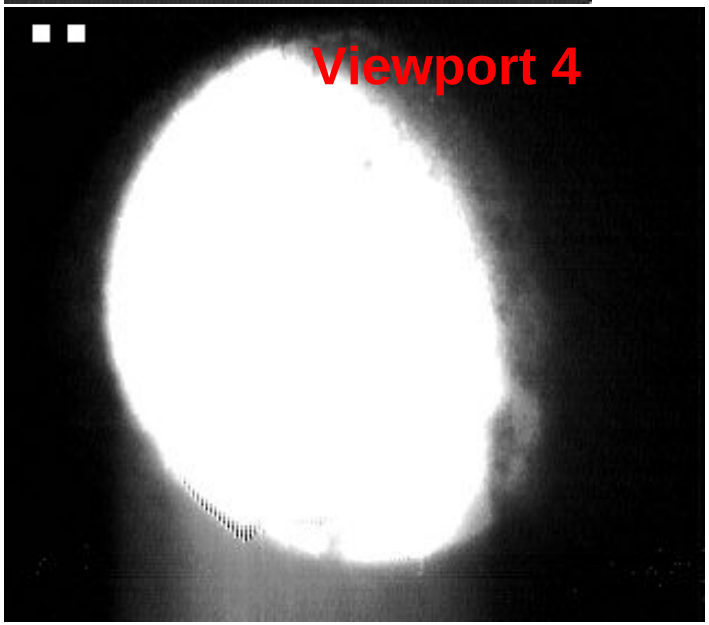
Bad news:
Only viewport #3 is in excellent condition
On all other viewports, the illumination fiber & ball lens have been shifted (by heat) and Is irreversible.

Oct 5, 2007 11:30 after 2 hrs TT2A tunnel access to align optics

Temperature (ºC) on HPU display
Primary : -8
Secondary : 13







- Channel #0 - scintillating fiber, regular photodiode
- Channel #1 - 1st viewport, old FastVision camera
- Channel #2 - 2nd viewport, SMD camera
- Channel #3 - 3rd viewport, new FastVision camera
- Channel #4 - 4th viewport, Olympus Encore