Temperature (°C) on HPU display
Primary : 77
Secondary : 30
Scope Trace

CH1 : B,
   AvTech LD pulse input
CH2 : A,
   SMD trigger
CH3 : Scintillating fiber
CH4 : To,
   Master trigger
Viewport #2, fiber continuity check

Red laser pointer used. Was able to see red circle through Imaging fiber, but weak.
25W Laser Check

Generate 2 ms period laser pulse

2ms fps, 0.1 ms exposure
Laser amp. : -10 V

Confirmation
25W Laser is OK.
Aligned lens mount again.

Visually inspected.
Surface is AR coated.
Lens is not extruded but protected by surrounding metal housing.
XY stage will not touch the objective lens.

I notice that I never put anything within SMD lens mount inlet and never touch the SMD CCD.
What I did when I take a photo of moving fan images was just put camera nearby fan as we did at BNL in student office.
0.001 ms fps
“External Camera Trigger In”

17 frames Read Out

Viewport #4, Able to make it brighter or darker by setting RGB gain.
0.1 ms fps  
“External Camera Trigger In”

17 frames Read Out

Viewport #4, 
Able to make it brighter or darker by setting RGB gain.
Clean Tunnel and Put All Boxes Neatly

Optics stuffs

Hg stuffs
CONFIRMATION

- 25W LASER GIVES LIGHT PROPERLY.
- SMD CAMERA IS ABLE TO CAPTURE 17 IMAGES UP TO 0.001 FPS.
- IMAGING FIBER AND ILLUMINATION FIBER OF VIEWPORT#2 ARE IN GOOD SHAPE. THERE IS NO DISCONNECTED POINT.
- VIEWPORT#4 IS VISIBLE.

THINGS TO BE RESOLVED

- SHOULD OPEN THE SNOOUT AGAIN AND INSPECT OPTICS STATUS AND THEN REPAIR/REALIGN OPTICS. BE PREPARED FOR THAT.

→ PREREQUISITE : THOMAS SHOULD COME AND HELP WHEN THERE IS A CHANCE TO OPEN THE SNOOUT. WE HAVE ONE EXTRA OPTICS-FIBER SET. IN WORST CASE, WE CAN REPLACE ONE VIEWPORT AFTER HE AGREES RIGHT AT THAT TIME.