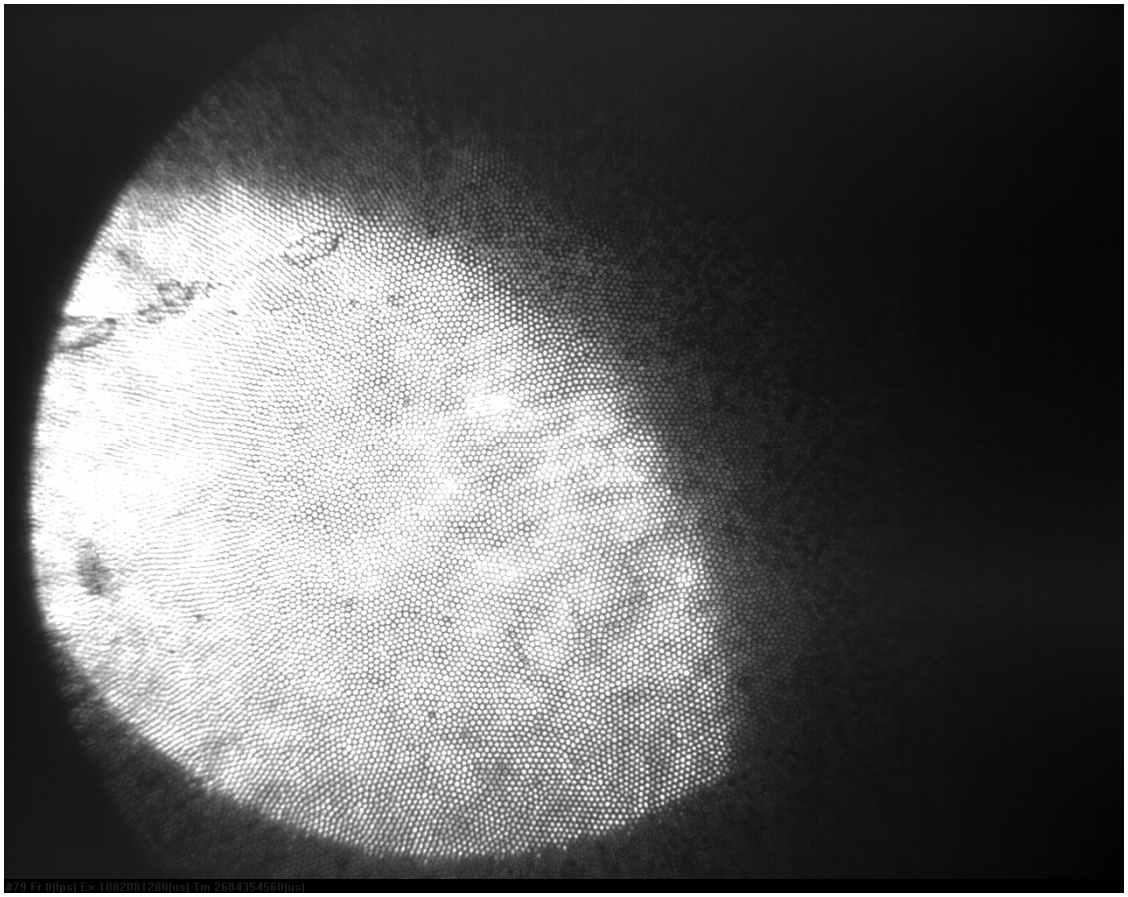
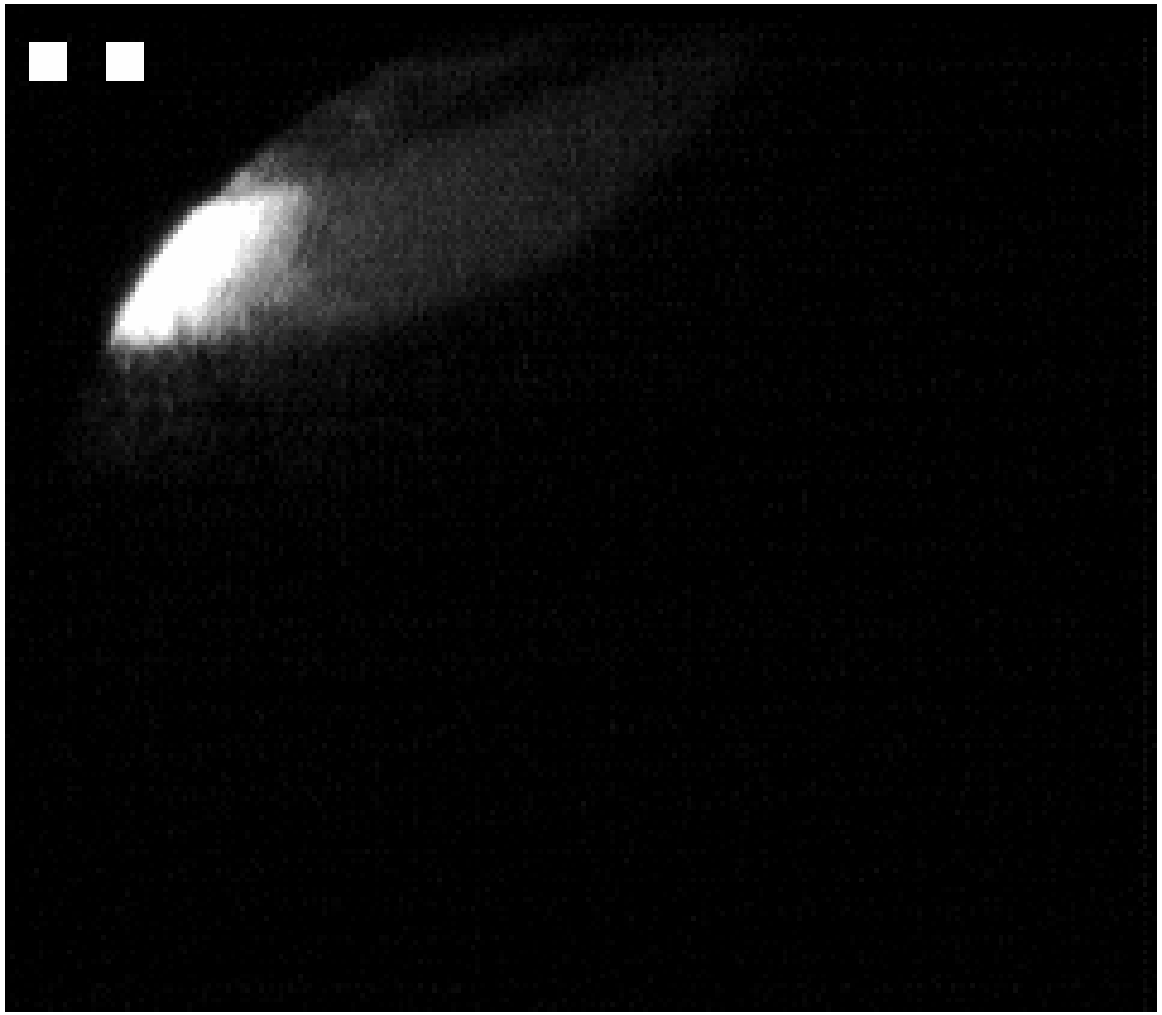
Viewport 1, Sep. 26, 2007

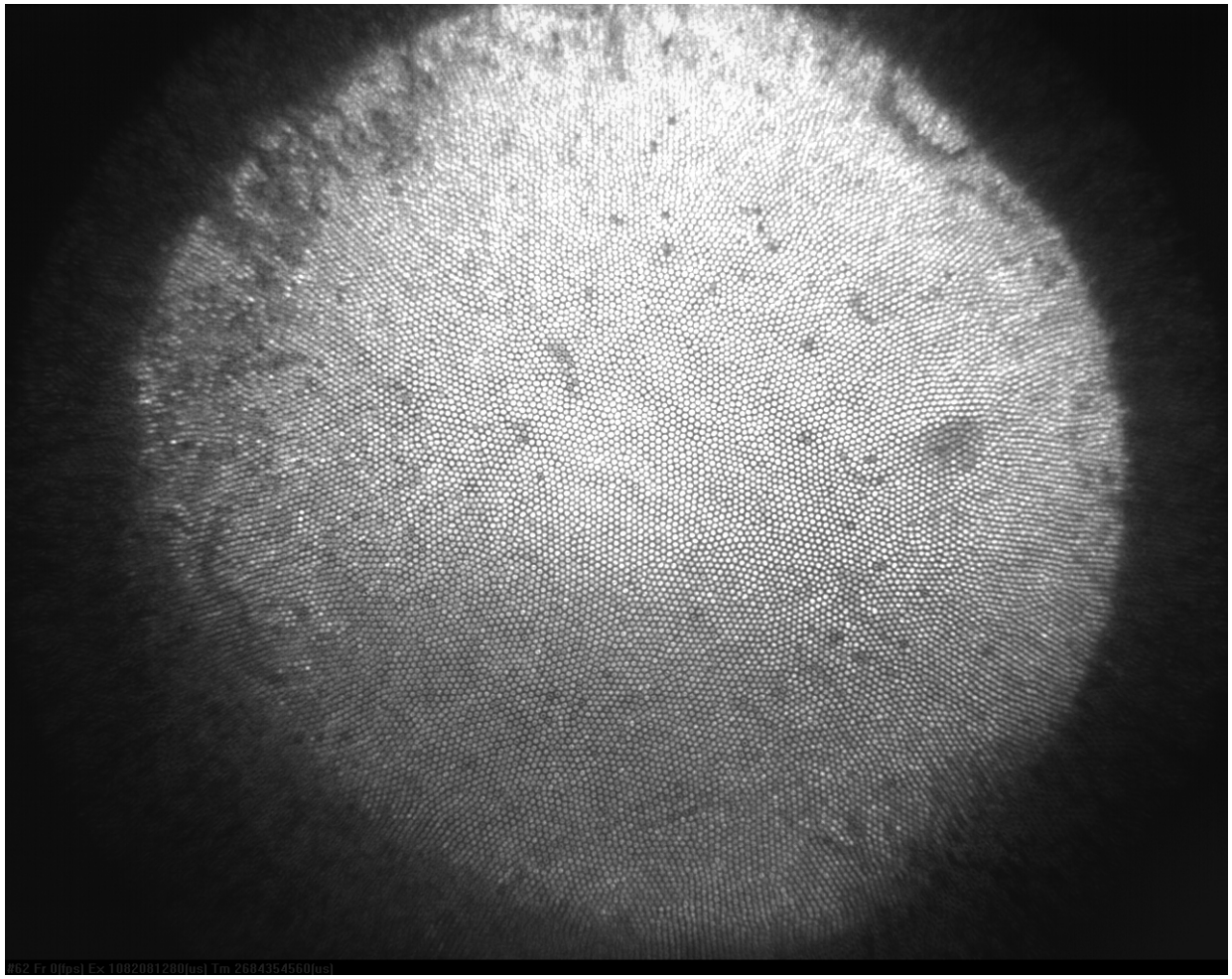


Temperature (ºC) on HPU display
Primary : 72
Secondary : 29

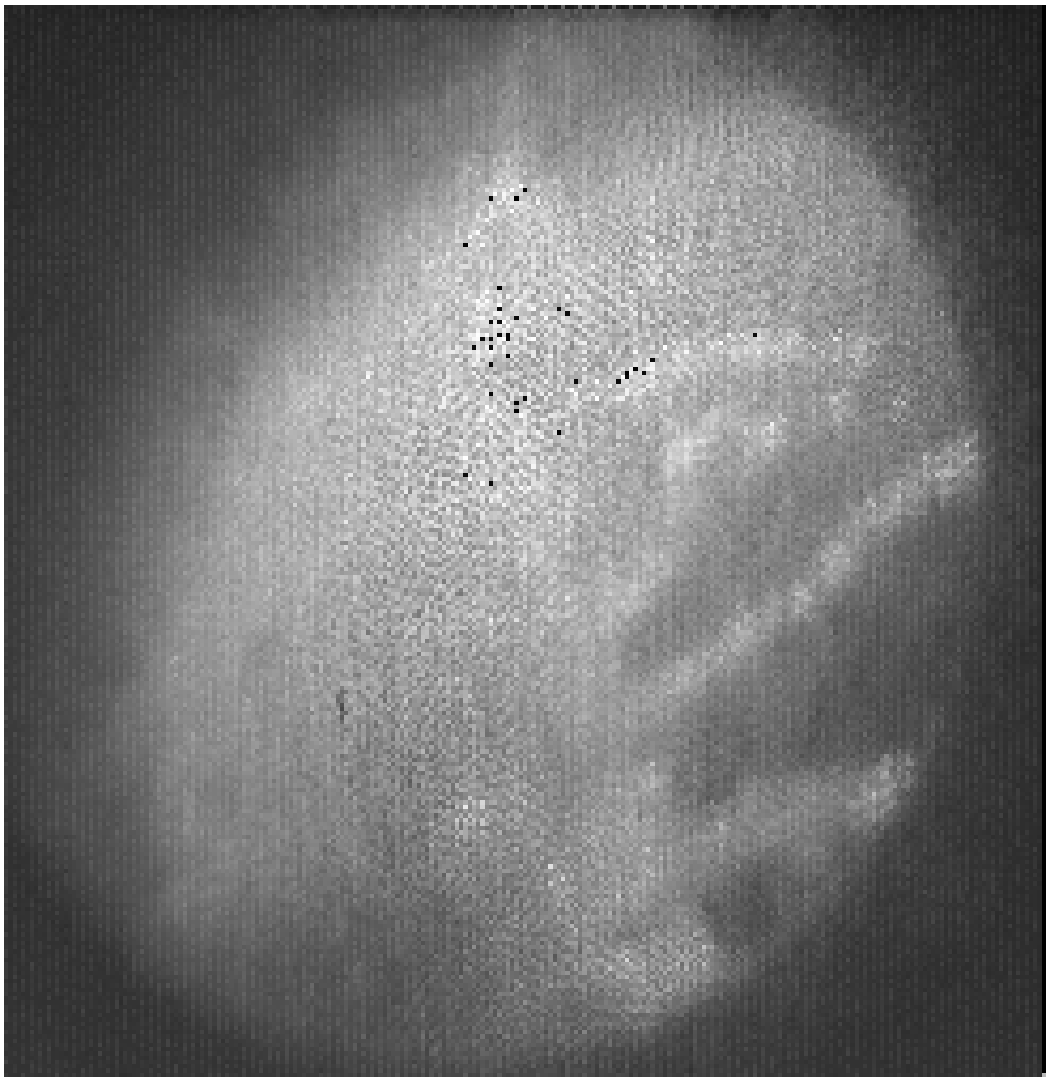
Viewport 2, Sep. 26, 2007



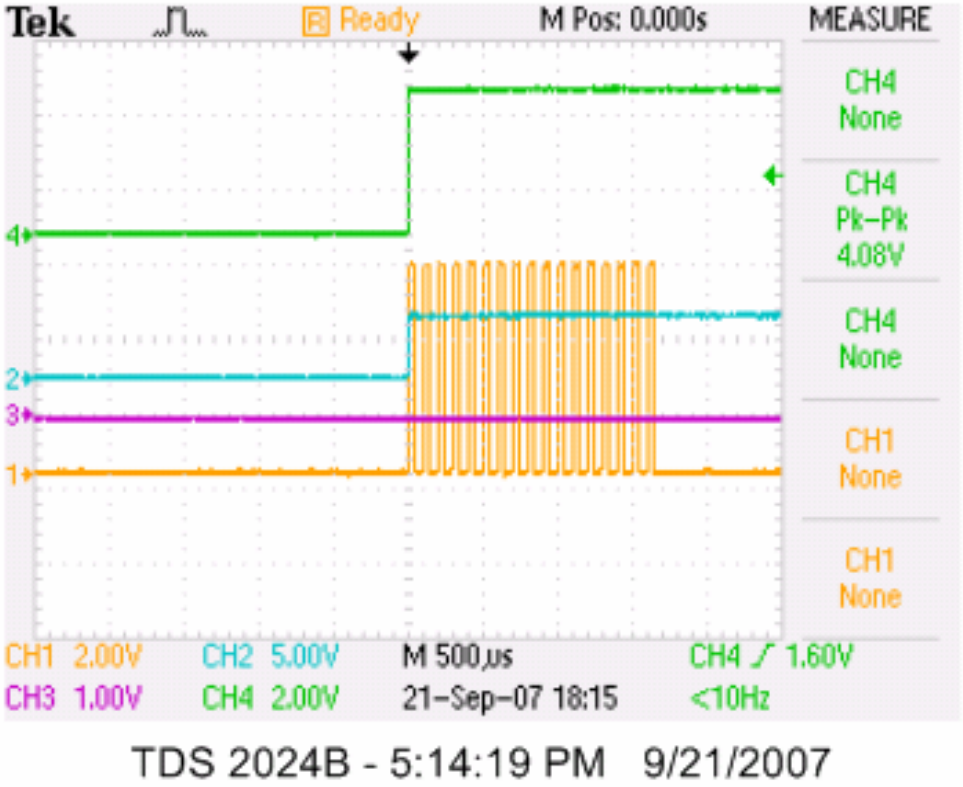
Viewport 3, Sep. 26, 2007



Viewport 4, Sep. 26, 2007

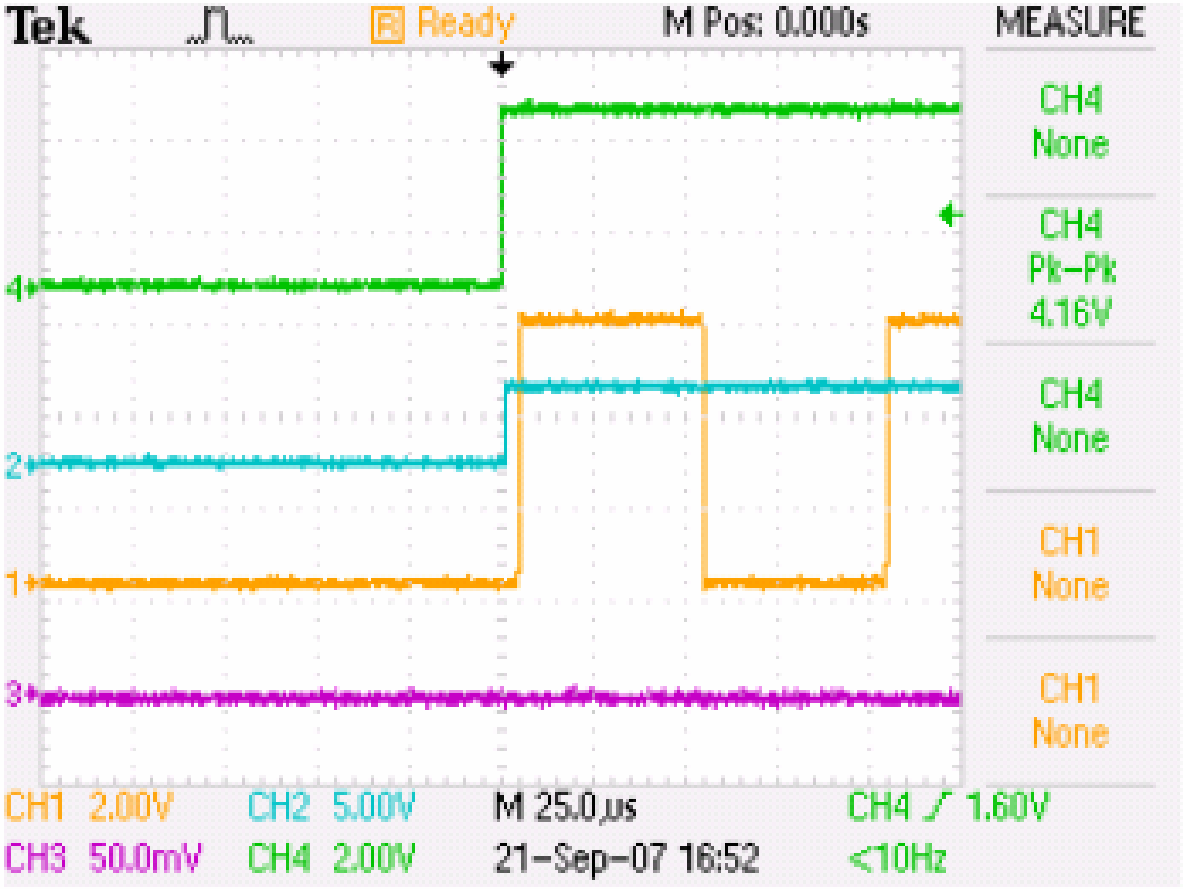


Scope Trace @ No Beam



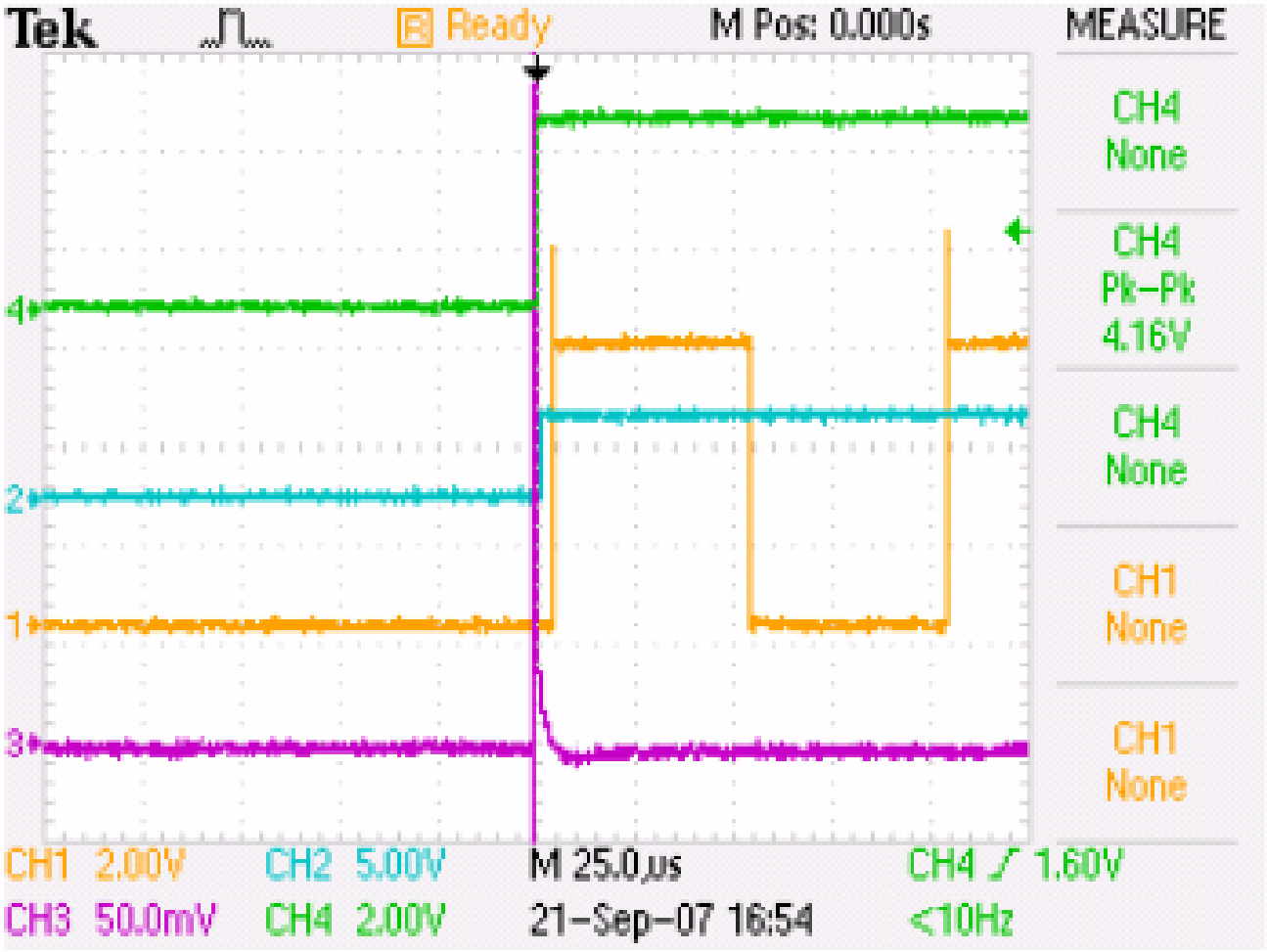
CH1 : B,
AvTech LD pulse input
CH2 : A,
SMD trigger
CH3 : Scintillating fiber
CH4 : To,
Master trigger

Shot 1, Only Triggering, No Detector Responded

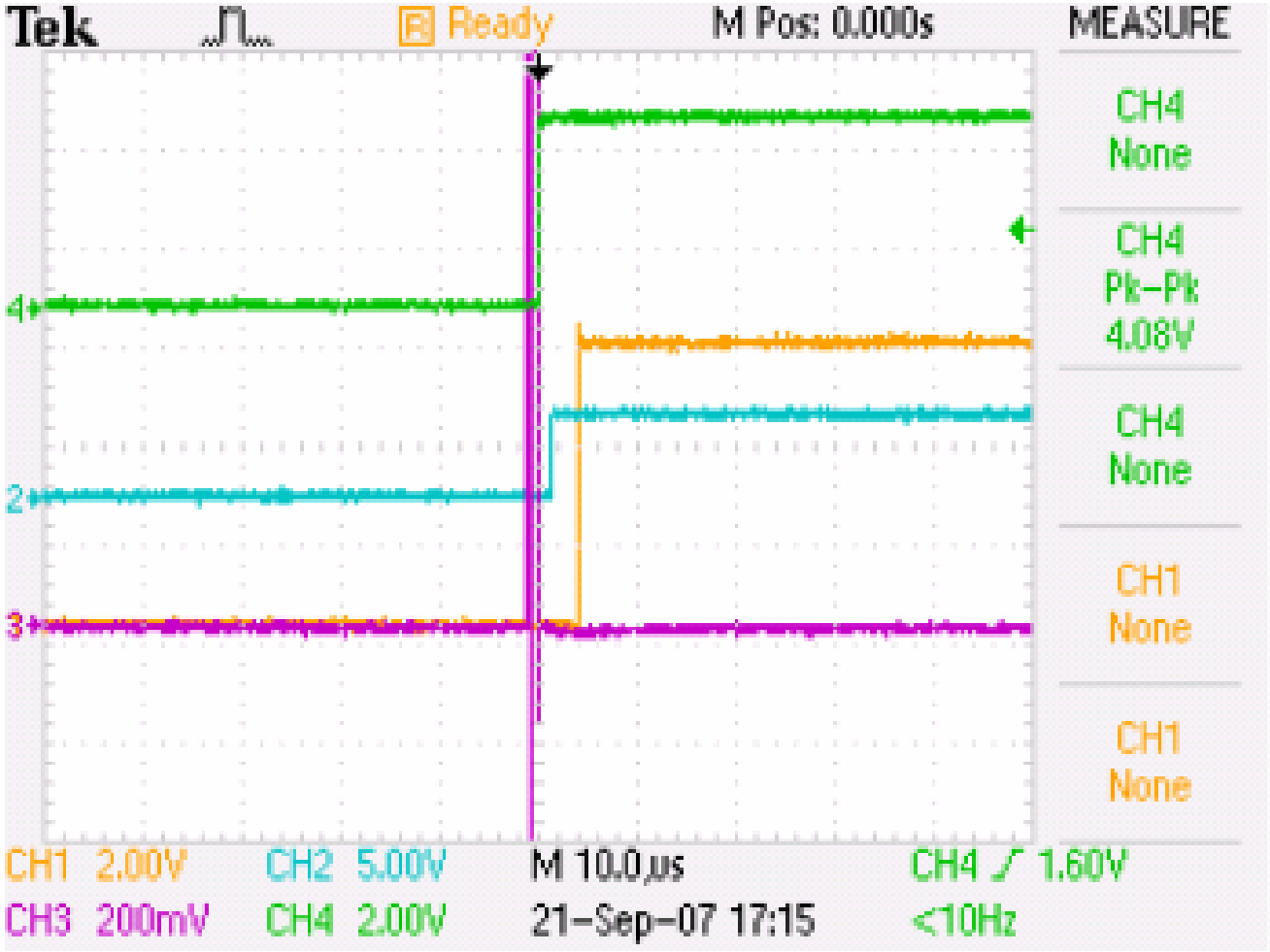


TDS 2024B - 3:50:59 PM 9/21/2007

Shot 2

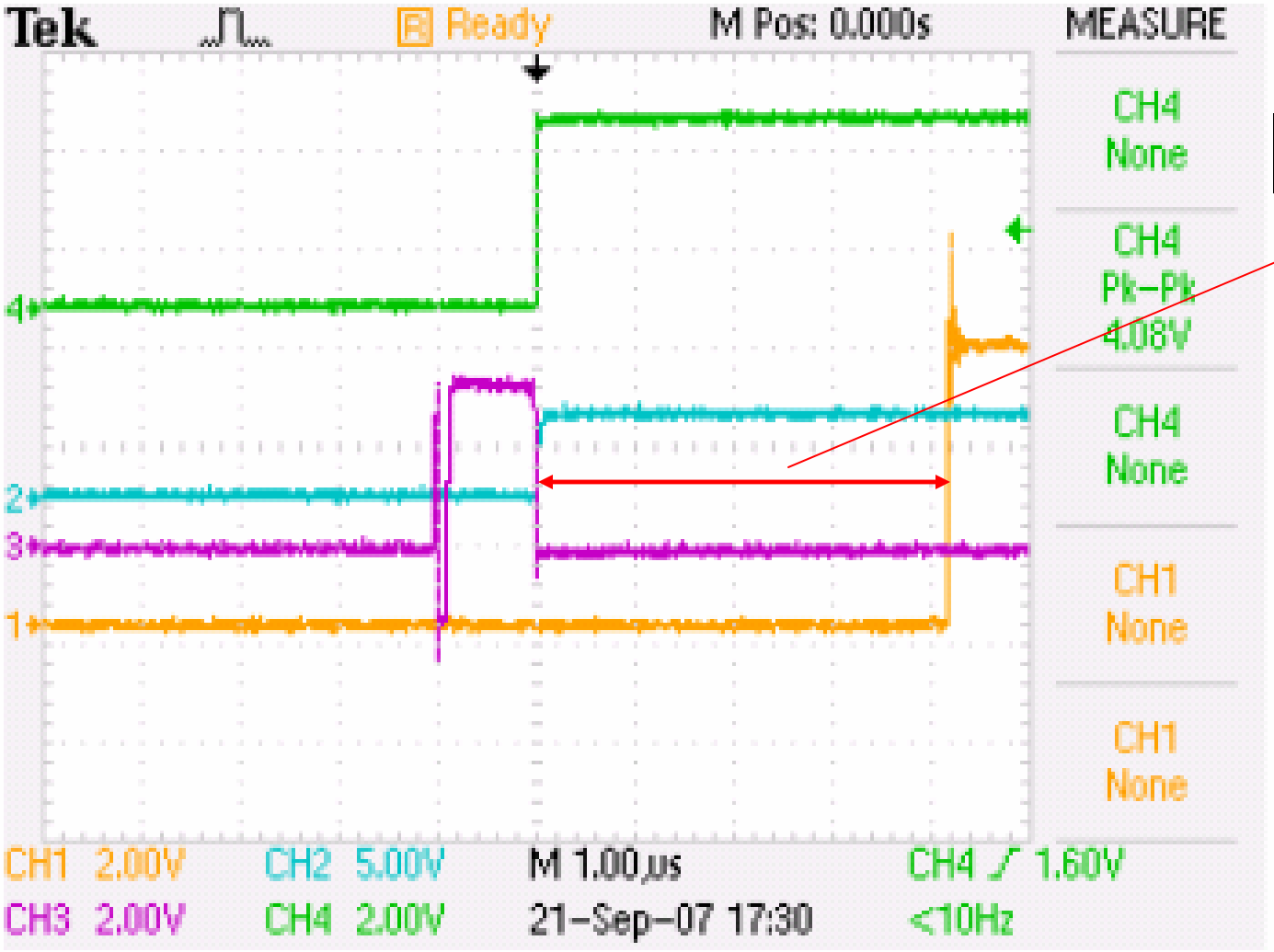

Tek
Ready
M Pos: 0.000s
MEASURE
CH4
None
CH4
Pk-Pk
4.16V
CH4
None
CH1
None
CH1
None
CH1 2.00V
CH2 5.00V
M 25.0µs
CH4 ∕ 1.60V
CH3 50.0mV
CH4 2.00V
21-Sep-07 16:54
<10Hz
TDS 2024B - 3:53:37 PM 9/21/2007

Shot 3



TDS 2024B - 4:14:11 PM 9/21/2007

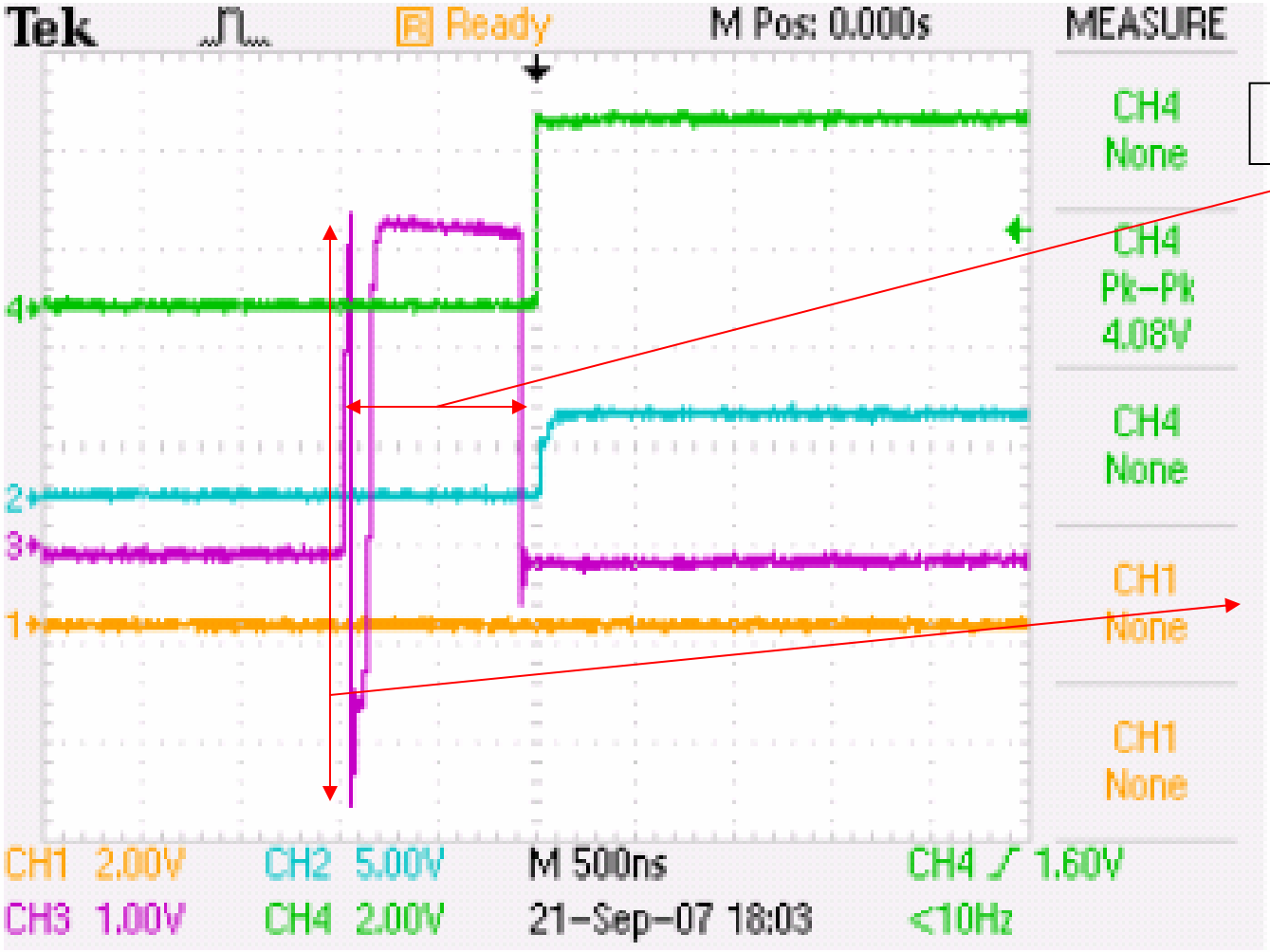
Shot 4



~ 0.004 ms

TDS 2024B - 4:29:05 PM 9/21/2007

Shot 5



TDS 2024B - 5:02:28 PM 9/21/2007

CONFIRMATION

- NEAR FIELD DETECTOR DOES WORK.
  ALL SYSTEM RESPONDED TO THE 5 TIMES OF BEAM RUNNING SUCCESSFULLY.
→WHAT DOES SIGNAL LEVEL MEAN ??
→HOW TO CALIBRATE THE AMOUNT ??

- TRIGGERING SIGNAL TO OPTICS ARRIVES ~0.001 MS LATER THAN THE BEAM ARRIVAL.
→ THE MINIMUM REQUIRED DELAY OF TRIGGERING SIGNAL FROM PS IS ~ 0.006 MS INCLUDING ELECTRONICS DELAY ASSUMING SMD CAMERA STARTS CAPTURING THE FIRST FRAME FROM THE TIME THAT BEAM ARRIVES.

- ALL OTPICS AND CAMERAS DOES WORK SIMULTANEOUSLY ONCE THE TRIGGERING SIGNAL ARRIVES FROM PS.