

May 7

22:24

Scan 26, repeat of scan 21 over full range for consistency

23:21

Scan is junk. Beam moved to $\theta = 21.415$
(must have changed during downtime)

23:43

Scan 27 dial @ 50

00:16

Scan 27 dial @ 60

00:16

Scan 28 dial @ 70 ← junk

29

— " —

00:43

Scan 30 dial @ 80 not much beam left on dial

01:05

Scan 31 dial @ 90

01:35

Scan 32 finished, goniometer rotated, but cannot find beam at either $+90^\circ$ or -90° relative to rotation. Drawn out at C.K.?

Stepped through from 18.5 to 22.5 in θ in steps of 0.1 for three settings of the (wrong) dial, but no beam...

Will switch to 50 μ tomorrow

Paul,

The reflector is on screen.

The dial was not near ^(COR) center of rotation this morning once there, the reflection was easily found because beam is going approx through COR.

Ken

11:43

after alignment following beam rejection patterns
the α 22.65

Scan 33 started

The pictures are much dimmer despite a comparable
spot on the screen to the one I had last night,
but the rocking curves in scans 33-34 seem
to be comparable to the ones in the other
orientation. I will not scan the full surface
but switch to the 50 μ m diameter ones.

18.755°

13:43

Scan 001 on hall 6 diamond
rocking curve seems relatively narrow in this range
will make a more precise one

13:47

Scan 002 range reduced from 18.70 - 18.82
to 18.735 - 18.765
100 steps

~~Scan 3~~ dial @ 40 range 18.7419 - 18.7719
(1 inch) exposure 2 s instead of 1.5

~~Scan 4~~ same as 3 only 18.741 - 18.771
(1 inch)

~~Scan 5, 6~~ (1 inch) 18.74 - 18.77

Scan 7 18.736 - 18.764

100 steps

scan 10 dial @ 60, exposure 2s, 18.736 - 18.766

scan 11 dial @ 70, " 2s, — " —

scan 13 dial @ 80, " 1.5s, — " —

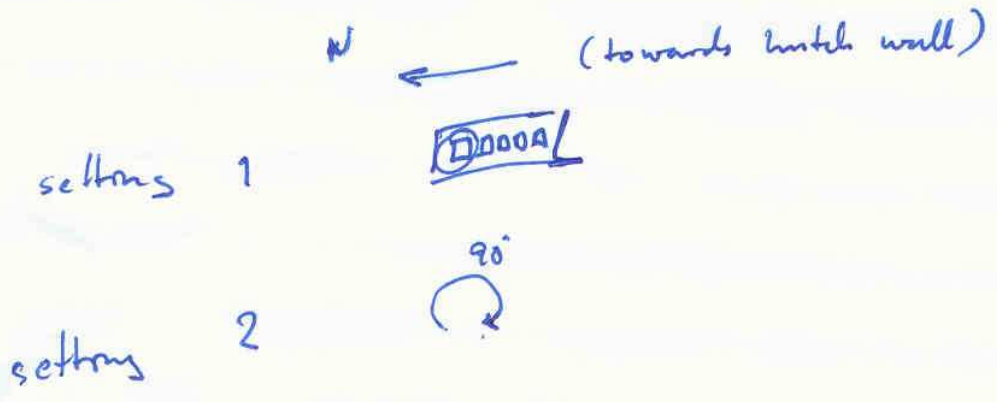
chi -90°

scan 20 dial @ 53, exposure 2s, 18.71 - 18.78

scan 21 dial @ 63 2s, 18.715 - 18.77

scan 22 dial @ 73 2s, 18.715 - 18.780

scan 23 — " 83 2s — " —



scan 24 dial @ 94 2s, 18.715 - 18.77