

X22A BEAMLINE PADLOCK CHECKLIST

10 July 2001

- [] 1. Check flange control lock #A1. At Mask Tank.
10 capture points (6 visible, 4 hidden)

Hidden capture points:

2x 4.5" flange, u/s & d/s Be window 1A
2.75" flange, upper backside of Mask Tank
6" flange, d/s of Mask Tank

- [] 2. Check flange control lock #A2. At Mirror Tank.
12 capture points (4 visible, 8 hidden)

Hidden capture points:

6 u/s flange, Mirror Tank
2x 2.75" flange, u/s mirror actuator
2x 2.75" flange, d/s mirror actuator
8" flange, d/s Mirror Tank
2x 4.5" flange, u/s & d/s of Be window 2A

- [] 3. Check flange control lock #A3. At Bremsstrahlung Shield 2.
3 capture points (0 visible, 3 hidden)

Hidden capture points:

2x 4.5" flange, u/s & d/s of bellows
8" flange, d/s BS2

- [] 4. Check flange control lock #A4. At Bremsstrahlung Shield 3.
6 capture points (4 visible, 2 hidden)

Hidden capture points:

2x 8" flange, u/s & d/s of 4-way cross

- [] 5. Check flange control lock #A5. At Bremsstrahlung Shield 3.
9 capture points (7 visible, 2 hidden)

Hidden capture points:

8" d/s flange, bellows
8" u/s flange, Monochromator Tank

NOTE: Copper white beam stop located inside the beam pipe passing through Bremsstrahlung Shield 3. Copper white beam stop presence must be verified before lock #A5 is returned to operation.

- [] 6. Check flange control lock #A6. At Monochromator Tank.
5 capture points (5 visible, 0 hidden)

- [] 7. Check flange control lock #A7. Inside hutch, photon shutter.
4 capture points (4 visible, 0 hidden)

- [] 8. Check flange control lock #A8. Inside hutch, X21 wall.
2 capture points (2 bolts)

[] ALL PADLOCKS IN PLACE AND LOCKED.

OPERATIONS COORDINATOR: _____ DATE: _____