| X13A/B SAFETY CH Rev: E Effective: 5/24/2010 Prepared by: Philip Marino Revi | | | | | NATIONAL SYNCHROTRON LIGHT SOURCE Number: LS-SCL- 0028 | | |
|---|---|--------------|---|--------|---|--|--|
| | | | | | Approved by: B. Chmiel | | |
| Original signatur | es on file | | | | | | |
| | | the one on-l | ine in the NSLS Quality | Assu | rance website. Before using a printed copy, verify that | | |
| 1110 0111, 011 | | | | | ective date on the NSLS QA website. | | |
| Operatin | g Beamline (Cl | noose Or | ne) | | | | |
| □ X13A | | | | | | | |
| □ X13 | | odo: I | White Mono | | | | |
| □ A13 | D AISD WI | oue. v | Willie Wione | , | | | |
| ☐ 1. Valid Padlock Index and log, no padlocks open (Check yellow board on X13B hutch) | | | | | | | |
| □ 1. , , | ina i adioek mae | ox and log | s, no padrocks ope | JII (C | check yellow bound on 2113B nutch) | | |
| On X12 | side of beamlin | e: | | | | | |
| | | | d Bremsstrahlung | shi | eld (BS #1) in place and secure, as per | | |
| photo. | | | | | | | |
| ☐ 3. Mirror Tank shielded and (3) view ports secured with screwed lead covers as per photo. | | | | | | | |
| ☐ 4. Bremsstrahlung shield (BS #2) in place and banded as per photo | | | | | | | |
| □ 5. Sc: | atter shield on va | lves V2A | and V2B as per | phot | 0. | | |
| 0 774.4 | | | | | | | |
| | ide of beamline: | -14 X/10 | D) 1 | t D | S#2 11-11 | | |
| ☐ 6. Beam stop (Cu block at X13B) downstream of BS#2, banded and secure as per photo. | | | | | | | |
| □ 7 Ca | - v. a state appearance - 2 and an pro- | | | | | | |
| | ameetrahlung ch | 12 (BC + | til in nlace and h | anda | ad ac nar nhata | | |
| □ 8. Bı | | | | | | | |
| □ 8. B1 □ 9. Le | eaded glass on X | 13B mone | #3) in place and b ochromator tank v #4) in place and b | view | port | | |

OPCO / Beamline Staff:______ Date: _____

□ 12. Bremsstrahlung shield (BS #6) in place and banded inside X13B hutch as per photo

User System Checks

On X12 side of beamline: ☐ A. Valve V1 open

| | Α. | valve v i open. |
|---|----|---|
| | B. | Valve V2A and V2B open |
| | C. | Water cooling for X13A entrance slit, proteus impeller spinning |
| _ | Ъ | V-1 V2 A (f V12 A O +) |

- ☐ D. Valve V3A open (for X13A Operation)
- ☐ E. Valve V4A open (for X13A Operation)

On X14 side of beamline:

- $\ \square$ F. Water cooling for Mask and aperture in X13A Mirror tank, proteus impeller spinning
- ☐ G. Water cooling for X13A Mirror, proteus impeller spinning
- ☐ H. Water cooling for Be Window, slit filter assembly, copper backstop, and photon shutter; proteus impeller spinning

For X13B White Beam Mode Operation Only:

| П | T | Valve | V ₃ R | in c | nened | position |
|---|----|----------|------------------|------|---------|----------|
| ш | 1. | v ai v C | v JD | ш | nociica | DOSIGOR |

- ☐ J. Water cooling for hutch Be Window, proteus impeller spinning.
- ☐ K. Helium gas flow between Be Windows

| Beamline Rep.: | Date: |
|----------------|-------|
| <u> </u> | |