

Loading Samples

1. check no stub in XPS
2. open gate 1
3. turn off IG1
4. close gate 0
5. Pfeiffer (Turbo) off
6. close gate 2
7. open gate 3
8. load stub;
9. wait for Pfeiffer to stop
10. hold door, close gate 3
11. open gate 2
12. Pfeiffer on
13. wait for back chamber $< 1 \times 10^{-4}$ Torr
14. turn on IG1
15. open gate 0
16. close gate 1
17. wait $> \frac{1}{2}$ hour till IG1 $< 5 \times 10^{-8}$ Torr

Moving sample to XPS Stage

1. IG1 $< 5 \times 10^{-8}$
2. Raise stage (switch 7)
3. Move stage to (0,0,0,0) to load stub.
4. Lower stage (switch 7)
5. Open gate 5
6. Push sample with transfer arm onto Stage
7. Unlock sample from arm
8. Withdraw arm to LL
9. Close gate 5
10. Raise stage (switch 7)

Unloading Sample

1. check IG1 $< 5 \times 10^{-8}$ Torr
2. Move stage to (0,0,0,0) to unload stub.
3. lower stage (switch 7)
4. open gate 5
5. move stub from XPS stage to arm
6. move stub to load lock
7. close gate 5
8. open gate 1
9. close gate 0
10. turn off IG1
11. turn off Pfeiffer
12. close gate 2
13. open gate 3
14. remove sample
15. wait for Pfeiffer to stop
16. hold door, close gate 3
17. open gate 2
18. start Pfeiffer.
19. wait for P $< 1 \times 10^{-4}$ Torr
20. open gate 0
21. close gate 1, turn on IG1