



FAST Facility / IOTA

Machine Report

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AD-ARD Dept. Meeting

Friday, 1100

22-September-2023

FAST / IOTA

- Down on Cryo again: excessive contamination necessitated another 100K thermal bump
 - Need to regenerate North & South Purifiers in order to continue running stably (see: [247642](#))
 - Warmup peaked early yesterday; cooldown process now underway (see: [247753](#))
 - ETA for beam: early/mid next week, current target is **Tuesday, Sept. 26th**
 - Enclosure available for Controlled Access meanwhile – *completed several requested jobs this week while down*
- Recovery from MSS outage this past Monday much less painful than previous outage on 6-Sept. (see: [247594](#))
 - Have not actually run since latest outage however, due to Cryo issues mentioned above
 - Could be hidden problems that we run into @ startup next week – *will run systems-check Today / Monday: Laser, HLRF, IOTA kickers, etc.*
- IOTA150-NIO & IOTA150-SETI crews ran productively through this past weekend
 - NIO: [247557](#), [247572](#)
 - SETI: [247578](#)
 - Did have a HLRF phase Controller fault that took out the Cryomodule; only occurred once, CM came back & ran fine afterwards
 - EE Support experts are aware; Nick Gurley has cleared us to run until it happens again – *setup scope to look at future trip events*
- ACNET Database / Controls outages: Thursday, 28-September-2023
 - 2x same day: 1st @ 0900 for ~few minutes, 2nd @ 1600 for ~30 minutes
- Contact me with any beam or access requests: dmaclean@fnal.gov, x6944