

APS Upgrade Update

7 months into the
shutdown...

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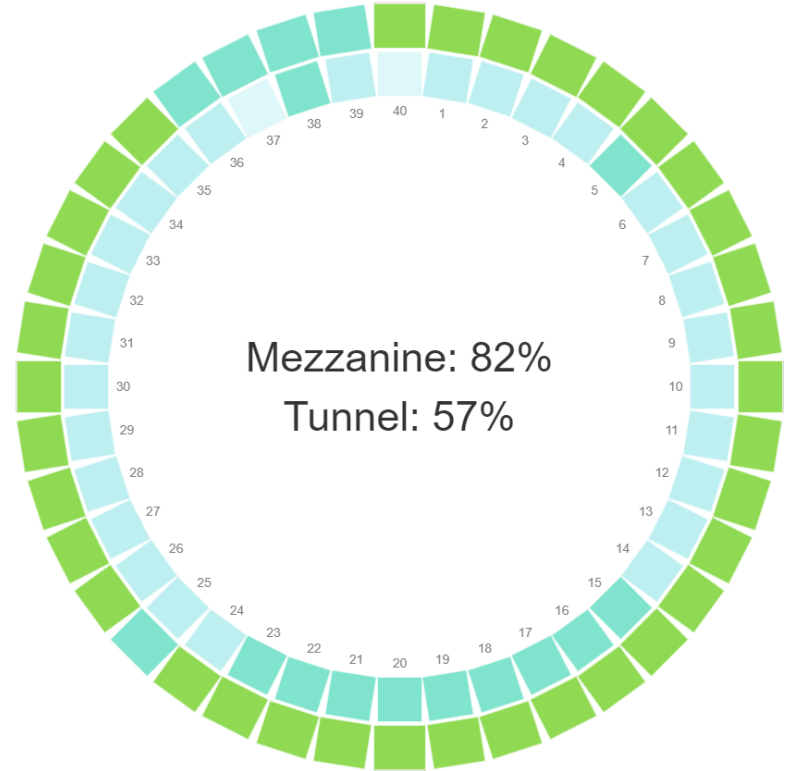
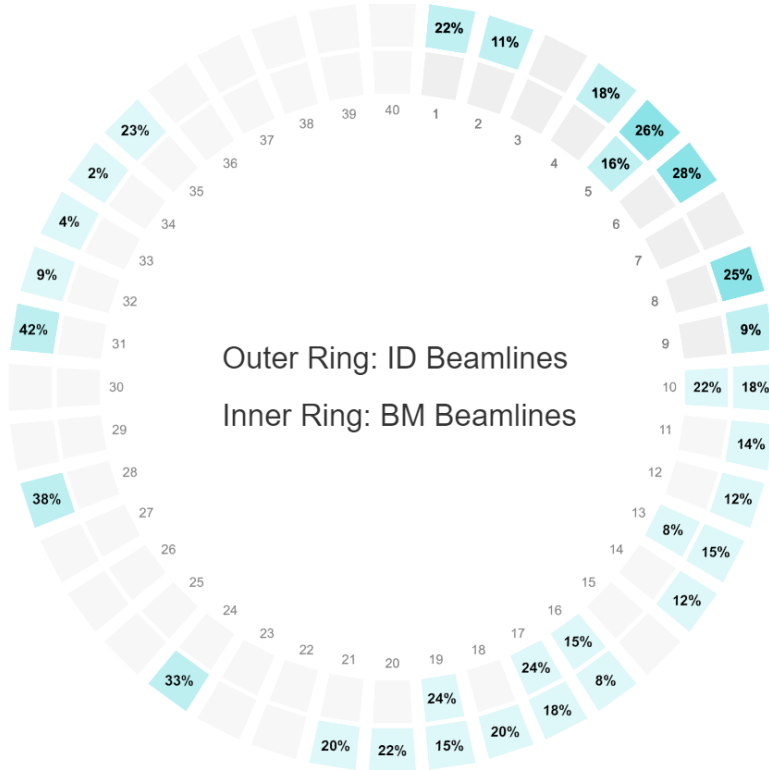
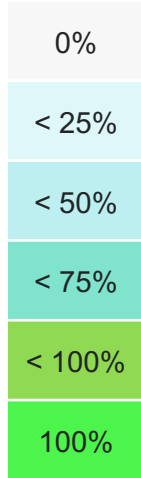


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CURRENT PROGRESS



PROGRESS IN PICTURES

20-BM components



34-ID-A mirror



11-ID shielded enclosure



PROGRESS IN PICTURES

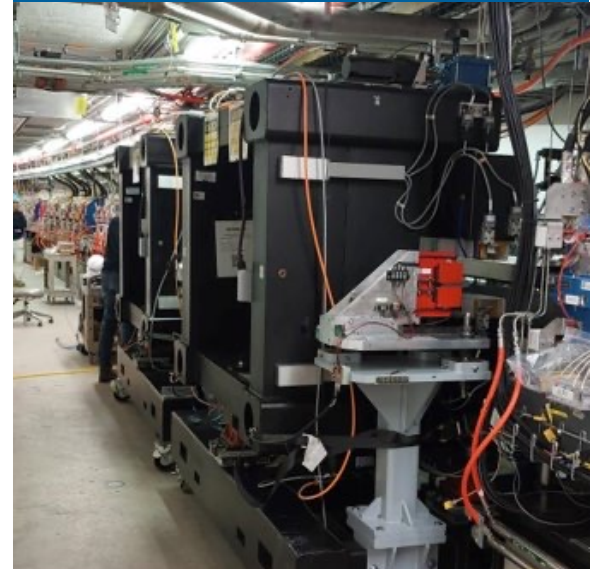
Module & IDVC bakeout



Test and checkout



ID installation



OVERALL STATUS

ACCELERATOR

- Front ends assembly complete
- Equipment in the tunnel
 - 52*/54 front ends
 - 178/200 modules
 - 26/35 IDVCs
 - 3*/44 insertion devices
- Equipment bakeouts ramping up
- Test & checkout recently under way
 - 1st sector for all systems
 - 1st double sector testing
- Targeting late January 2024 for SR commissioning

BEAMLINES

- Designs conditionally or fully approved for 26/54 ports occupied by beamlines
- Component installation under way in 10 beamlines
 - 16 optics systems
 - 6 major instrument systems
- 10 shielded enclosures installed
- Utility modifications at 22 beamlines
- 12 memos for transition to beamline re-alignment issued
- Optical model verification meetings occurring as beamline design is completed