

Research Operations Division Boundary Physics (*H. Kugel*)

- ◆ Pressure peak was quite low and fell surprisingly quickly during bakeout
- ◆ Performed hot boronization last night (Boronization 40)
- ◆ Expect delivery of probe drive for movable-anode GDC this week
 - ▶ Will need some time and work to prepare for deployment
- ◆ SGI ready for start of run
- ◆ LPI has been reinstalled after maintenance and some modification
 - ▶ Now baking to be ready for experiments early in run

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Diagnostics (*D. Johnson, R. Kaita*)

- ◆ Ran full set of calibration shots for magnetic diagnostics last week
 - ▶ After correcting a few misconnections identified during startup ISTP
 - ▶ Need additional low-level checks for new I_p rogowski compensation
- ◆ MPTS Raman/Rayleigh scattering calibration last Friday
 - ▶ Had taken data during plasma shots last Thursday
 - ▶ Now installing the polychromators for the next ten channels
- ◆ CHERS took data during NBI shots
 - ▶ Still need neon glow calibration after machine has cleaned up
- ◆ Several other diagnostics took first data
- ◆ UCSD team will visit this week to work on Fast Reciprocating Probe

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RF Systems (*R. Wilson*)

- ◆ Reminder: the RF antenna protective tiles are moved inwards by 5mm compared to last run
- ◆ Problem with ECPI sources last week has been fixed
- ◆ ICRF sources are ready for experiments

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Physics Operations (*D. Mueller, D. Gates, R. Raman*)

- ◆ After some problems with PCS software, produced plasma discharges up to 0.75MA
 - ▶ Also completed NB checkout and injected into plasmas
 - ▶ Need to update PF1A, magnetic sensors and vessel model for rtEFIT when EFIT model is ready
- ◆ Real-time system operated with 352 input data channels
 - ▶ Propagation latency increased from 0.7 to 1.2 ms
 - not expected to affect vertical stabilization much