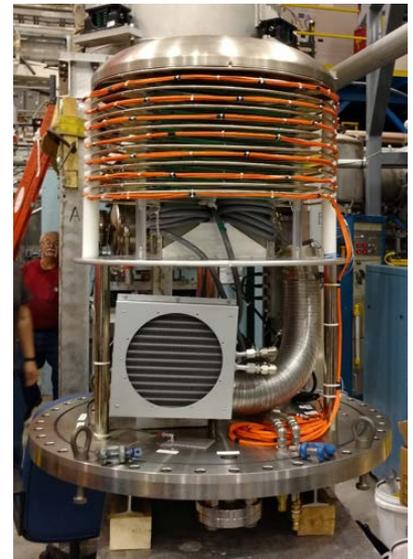
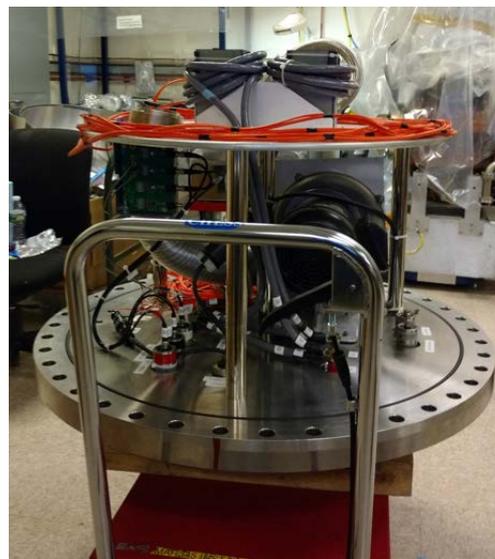
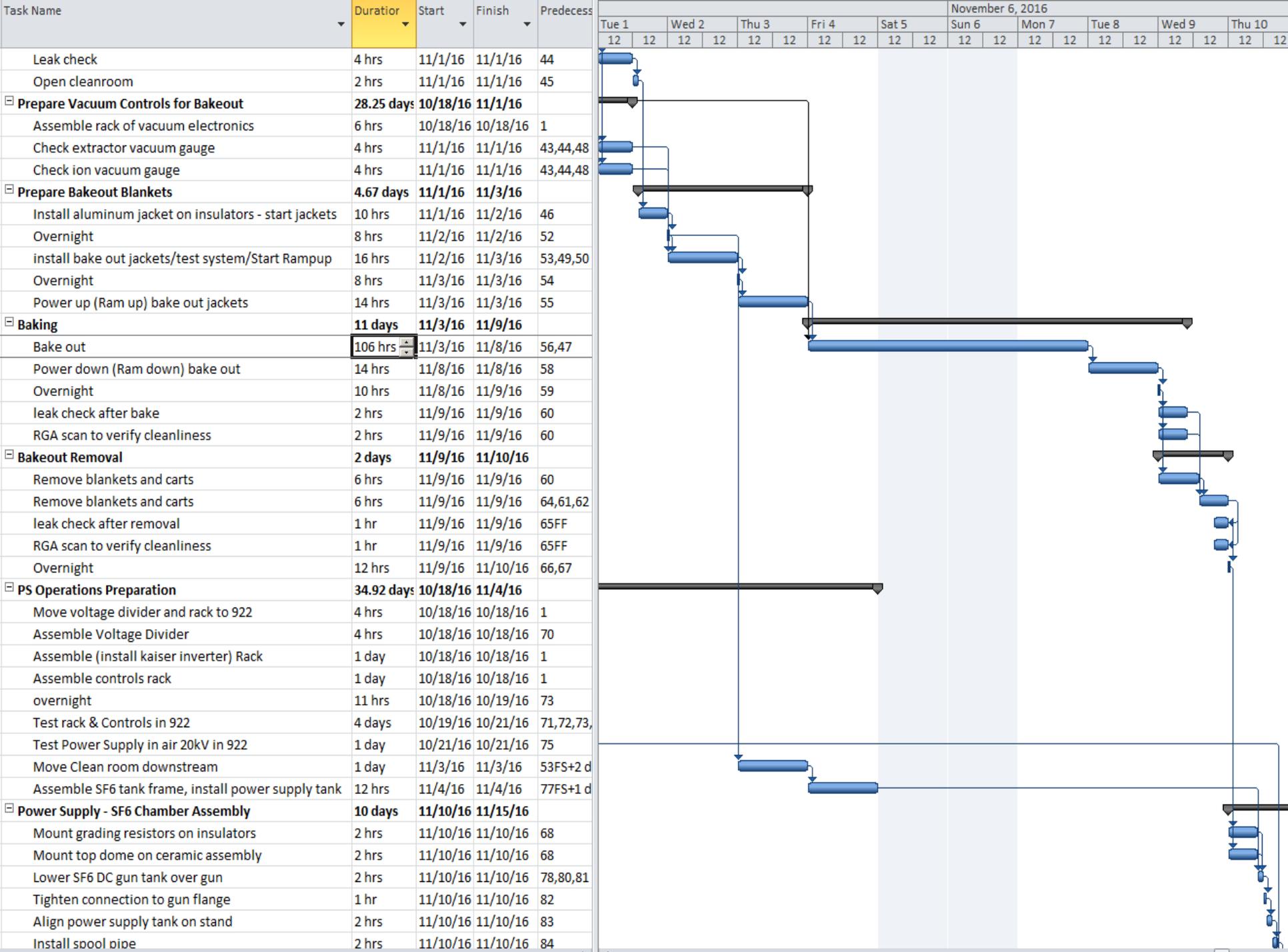


DC gun hand delivered by Karl Smolinski 10/18/2016

- Assembled and leak checked in SCRF Clean room 10/24/16
- PS assembled and tested to 20kV in 922 10/21/16
- Shipped to RHIC 02:00, clean room survey check, leak check 11/2/16
- Bake-out, power supply assembly and preparation for conditioning 11/14/16





Day by Day (Notes from meeting in RED)

November

2. Wednesday: bake-out preparation (vacuum), **SF6 PS water system pressure check**
3. Thursday: bake-out preparation – bakeout start (vacuum), Move cleanroom downstream (rigging), **PS test to 20KV with polished dome & fiber optic current read back test.**
4. Friday: bake-out, Assemble SF6 PS tank frame (vacuum, ABPS)
Saturday/Sunday: bake-out
7. Monday: Bake-out, ~~Survey SF6 PS frame~~, install inverter rack and wiring. (vacuum, survey, ABPS, CPS)
8. Tuesday: Ramp down bake-out late, ~~Survey SF6 PS frame~~, install inverter rack and wiring, install vacuum I&C wiring. (vacuum, survey, ABPS, CPS, controls)
9. Wednesday: Remove bake-out equipment, *Rig in SF6 PS Tanks*, install inverter rack and wiring in tunnel.
10. Thursday: Rig in SF6 Tanks, **red head frame to floor**, install power supply, **vacuum leak check SF6 tanks**, Pressurize air, pressure test, vent. (vac., survey, rigging, ABPS, CPS, controls, cryo)
11. Friday (Holiday), Saturday/Sunday: hold for delays
14. Monday: vacuum leak check SF6 tanks, fill with SF6, **truck door, laser port, waveguide/coax ports shielding installed and approved, fences installed, checkoff list complete.**
14. Monday evening: Sweep RHIC 02:00, PS Test to 600kV

Bake-out preparation ok? Ramp up by?

Move cleanroom downstream – locate over beamline, need to power lights.

Assemble SF6 PS tank frame – frame in 02:00, all hardware in hand?

Survey SF6 PS frame – can the frame be located & red-headed? **No wait for tank assembly**

Install inverter rack and wiring, vacuum I&C wiring – temporary cable tray, **Dave will be installing unistrut cable supports across the IP next week**, communications in place, cable route and cable pulling.

Rig in SF6 Tanks – Lifting fixture in hand and approved, clearance over beamline

Pressurize air, bubble leak check, pressure test, vent – cryogenic group will check dryer and oil removal of instrument air compressor. vacuum leak check SF6 tanks. **Yes**

Fill with SF6 – testing of SF6 filling system, both carts, at 04:00; when to move to 02:00, parking spot to be defined.

Shielding - truck door, laser port, waveguide/coax ports shielding installed and approved, fences installed, checkoff list complete.

Sweep RHIC 02:00 (**MCR is working on the procedure**)

Procedure for PS Test to 600kV

Need to complete ASSRC check-off and walk through, Alexei will schedule it with Deepak for Monday November 14.

Other issues discussed in the meeting or after:

- Will use power on CeC beam line for Radiation monitoring (Chipmonks) L. Hammons will check on locations
- The penetration boring schedule is uncertain at this time. The low coax boring is underway. Maybe finished by Saturday (Dave will check if they will work OT).
- The laser penetration boring has to start next week. If it is done in the tunnel it might interfere with running cables from the inner wall across the IP floor to the DC gun. Need to run the cables next Wednesday.
- The laser penetration work if done inside may delay the schedule. Prefer outside.
- The shielding is outside, if schedule holds, have to be installed no later than Monday November 4. If laser penetration is done outside shielding can be put in place.
- PS group needs to access the power supply through the 2 SF6 chamber top flanges. P. Cirnigliaro: Possible to use a baker scaffold against the SF6 frame w/standing surface (plywood) on the frame top and chain railing between scaffold and tanks.
- Reminder: Need water cooling for the SF6 PS and the inverter rack.



