

## **SVT/SVT DAQ draft Endgame Construction Schedule 10.31.14**

### **FEB**

complete 4 FEB on 10/31; complete remaining 5 by 11/3  
test 4 FEBs on 10/31; test remaining FEBs by 11/3  
cleaning after DAQ tests

### **FEB Support Plate for DAQ (prepare for DAQ tests 11/3-7)**

mount total 8 FEBs on plate 10/31  
test LV and HV to first 3 FEB 10/31  
cable FEB to patch 11/3  
ready for full DAQ test 11/3

### **DAQ Tests with spare Support Plate**

cable flange to patch 10/31  
begin RCE to multi FEB tests 11/3

### **FEB Support Plate for HPS (prepare while doing mech assembly and survey)**

new holes needed for FEB to patch cables? 11/3  
clean 11/3  
press cooling loop and test 11/4  
**(when SVT survey is complete... see Final Assembly below)**

### **Internal Cables**

finish production and cable test by 11/3

### **Survey and prepare U Channels**

dry mount modules in U channels and survey 10/30  
after testing and potting, attach L1-3 cables on U channels 11/3  
mount L4-6 modules on U channels and survey 11/3  
mount L1-3 modules with cables on U channels and survey 11/4  
after testing and potting, attach L4-6 cables on U channels 11/3

### **Prepare Mechanical Assembly**

re-check bulkhead and cooling connections 11/3  
restore set-up with SVT Vac Box and SVT Box 11/3  
install completed U channels 11/5  
check reproducibility of U channel insertion 11/5  
connect cooling (test?) 11/5  
install linear shifts and connect rods 11/5  
train crew in assembly 11/5-6

### **SVT Survey**

- set up survey instruments 11/10
- measure box fiducials, define reference frame 11/11
- set all U channels to get desired fiducial positions 11/11
- measure linear shift rod fiducials 11/12
- cross check linear shift calibration 11/12

### **Final SVT Assembly**

- move FEBs to HPS support plate and cable 11/11 (this interrupts DAQ tests)
- install and cable FEBs in SVT 11/13
- attach flanges to SVT vac box 11/13
- cable flange to patch 11/13
- test cooling loops 11/14
- test DAQ connections as possible 11/14
- seal downstream SVT end 11/14
- seal gap between SVT vac box and SVT box 11/14
- run dry air 11/14
- connect and run chillers 11/14
- full cooling and power 11/14
- full system tests 11/15

### **Final SVT/SVT DAQ/Cooling System Tests**

