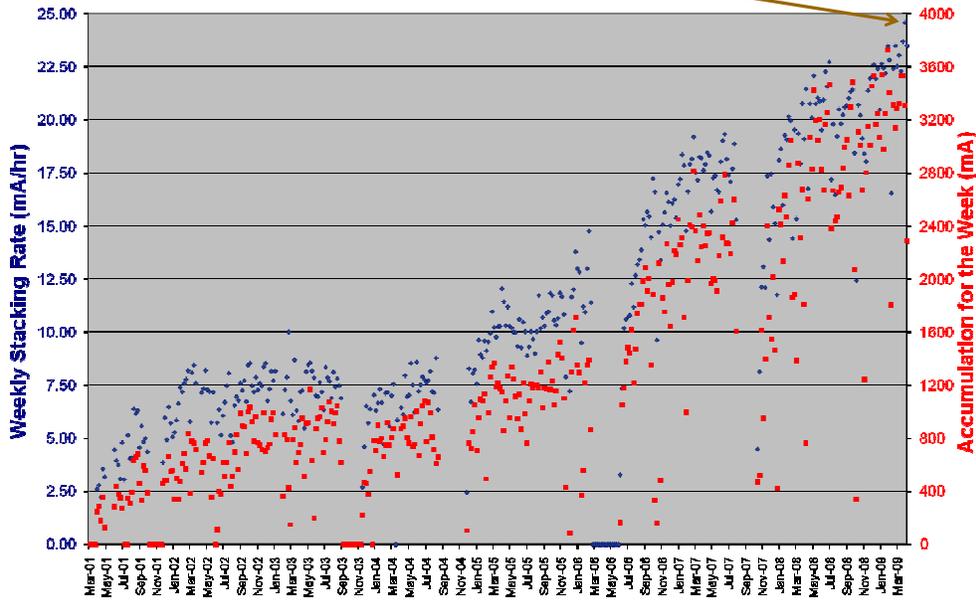
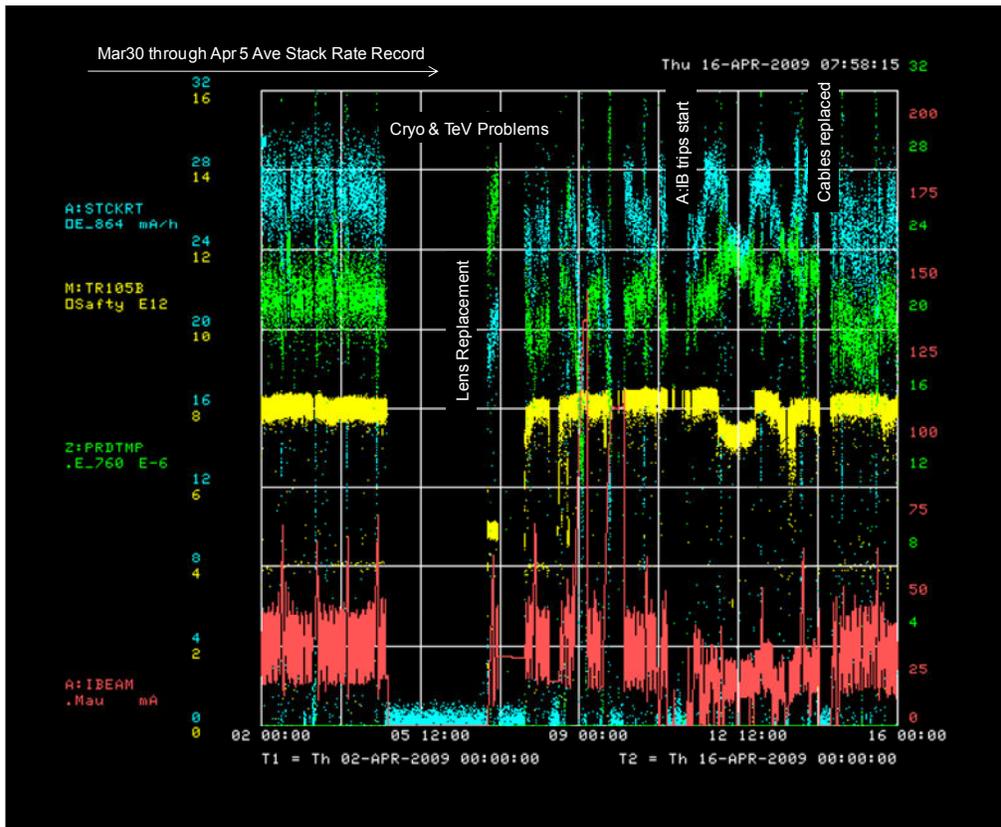


- Cookies
 - 24.57mA/hr: Average Stacking rate for Week of Mar30-Apr5

A slight increase of 0.88mA/hr



-
- Weekly pbar production
- From management
 - Safety
 - Documentation - will be updating.



-
- Last Week
 - Prior to Debuncher
 - I:V714 – still tripping -
 - Has not tripped in 3-4 days.
 - AP1 correctors not following reference
 - Lithium breach into Lens' water -- replace
 - Lens running at reduced gradient
 - 2400V – 2600V – failure – 2200V – 2300V
 - Spares
 - 10mm-8 finished June 8th.
 - 10mm-1 recover transformer - in progress
 - 10mm-2 (water pipe developed leak away from transformer - tie rod nut missing also) and 10mm-3 (came out when ground current high) recovery planned
 - Sweeping system PBKICK failure and “upgrades”
 - Q731 failure
 - Debuncher
 - D:ISEPV trips on vacuum
 - TWT VME Front End problems and TWT problems
 - Worth checking helix voltages
 - D/A
 - D:EKIK cable re-termination, 465 card
 - D:EKIK module timing and OAC parameters
 - Accumulator
 - A:IKIK at 57KV, soon 58KV (other two are 61KV).
 - Ground current outside of the machine/power supply
 - Stacktail Equalizer tweak - hasn't helped at best. May be hurting us a bit.
 - Second 2-4GHz core TWT - CPTW02
 - Transverse gain adjustment
 - Band 3 for both H and V.
 - TWT trips
 - Transfers
 - Efficiency -
 - I:HVF12 - more stable once voltage regulation turned back on. Things got better yet again recently for no apparent reason.
 - ARF4 curve frequency - taking first one at CF, then incrementing at 0.5Hz. This is mostly

- for when we take a larger number of transfers.
- General
 - Water leaks fixed and more found
- Jobs
 - Replace IB7 (when it fails)
 - ~~Convert Stacktail TWT#1 to second 2-4GHz Core cooling TWT~~
 - Stacktail equalizer tweak
 - Upstairs no beam for 4hrs
 - ~~Braze D-6Q11 water leak~~
 - ~~Next opportunity with Tech Division~~
 - A4S12 is also leaking
 - Valeri Proposals
 - Re-introduce equalizers to core transverse systems -on hold
 - Re-install AP2 momentum collimator
 - Need to request jaw modifications
 - Move 4-8GHz kicker tank towards AP50 Pit
 - Add second 4-8GHz kicker tank
 - Bake 2 sectors
 - New water manifolds for HV100 magnets
 - Not doing HV102 and V105 manifolds for now
 - Target Station
 - New target SEM
 - Water cooled Target Prep Work
 - Fix the service elevators
 - FESS maintenance
 - Transport sump pump
 - ~~Compressor in AP10 and AP0~~
 - ~~Drive belts on unit for DRF1 racks~~
 - ~~Tunnel exhaust fans~~

- Shutdown

Pbar		Pbar		Pbar		Pbar		Pbar	
<input type="radio"/> Ok <input type="checkbox"/> Pending	<input type="radio"/> No	<input type="radio"/> Complete <input type="radio"/> Delete <input type="radio"/> Help	K. Gollwitzer x8282 04/10/09 9896 Normal	<input type="checkbox"/> Do-Now long-range	FESS 2 Not listed (see job description) ↑	Clean HVAC Fan Coils FESS has recommended that the AP0 Building HVAC fan coils be cleaned which is not part of normal PM Attention needs: FESS, Pbar	FESS / Utilities AP0 HVAC Building	8 hours over 1 day	Not Yet Reviewed
<input type="radio"/> Ok <input type="checkbox"/> Pending	<input type="radio"/> No	<input type="radio"/> Complete <input type="radio"/> Delete <input type="radio"/> Help	K. Gollwitzer x8282 04/10/09 9895 Normal	<input type="checkbox"/> Do-Now long-range	Water Group (AD/TD ?) 4 Tev F sector ↑	Replace water manifolds HV100 Replacing water manifolds on four EPB dipoles that comprise the M.HV100 magnet string part of the AP1 beam line which is prior to the sewer pipe in F-Sector Attention needs: Mech Support, Pbar, Tevatron	Water F-sector near sewer pipe	20 hours over 4 days	Not Yet Reviewed
<input type="radio"/> Ok <input type="checkbox"/> Pending	<input type="radio"/> No	<input type="radio"/> Complete <input type="radio"/> Delete <input type="radio"/> Help	K. Gollwitzer x8282 04/10/09 9894 Normal	<input type="checkbox"/> Do-Now long-range	Gusler and crew 6 Pbar Transport ↑	Re-install Collimator 719 Re-installation of collimator that was removed months ago. Attention needs: Alignment, ES&H, Mech Support, Pbar	Vacuum Transport Left Bend	20 hours over 4 days	Not Yet Reviewed

<input type="radio"/> Ok <input type="checkbox"/> Pending	<input type="radio"/> No	<input type="checkbox"/> Complete <input type="radio"/> Delete <input type="radio"/> Help	K. Gollwitzer x8282 04/10/09 9893 Normal	<input type="checkbox"/> Do-Now long-range	Gusler and crew 6 Pbar Transport These keys will be needed everyday during the shutdown ↑	Replace leaking IB7 IB7 (a 6-4-120) magnet is leaking water. It will be replaced when it fails or there is a long enough shutdown Attention needs: Alignment, ES&H, Mech Support, Pbar █	Misc Transport Left Bend	60 hours over 3 days	Not Yet Reviewed
<input type="radio"/> Ok <input type="checkbox"/> Pending	<input type="radio"/> No	<input type="checkbox"/> Complete <input type="radio"/> Delete <input type="radio"/> Help	B. Wisner x4769 04/08/09 9879 Normal	<input type="checkbox"/> Do-Now long-range	B. Wisner, C. Bair, Obie 2 Pbar Acc/Deb (@Pbar)2 Pbar prevault2 Pbar Transport ↑	Repair weak shunts. Repair any radiation damaged shunts, in the prevault and transport enclosures. Before the shutdown, I will need about 30 minutes of power on time, to checkout which shunts can not put out max current. As of today, I know that shunts D:QS716 and D:QS717 need to be repaired. Attention needs: Pbar Manpower needs: Technicians █	Power Supply Prevault and Transport.	56 hours over 7 days	Not Yet Reviewed
<input type="radio"/> Ok <input type="checkbox"/> Pending	<input type="radio"/> No	<input type="checkbox"/> Complete <input type="radio"/> Delete <input type="radio"/> Help	B. Wisner x4769 04/08/09 9878 Normal	<input type="checkbox"/> Do-Now long-range	B. Wisner, C. Bair, Obie 2 Pbar Acc/Deb (@Pbar)2 Pbar prevault2 Pbar Transport ↑	Replace caps, in shunt bias PS. Replace the aging and radiation damaged electrolytic capacitors, in the shunt bias power supplies. There are 17 shunts that need this repair, scattered throughout the pbar enclosures. Attention needs: Pbar Manpower needs: Technicians █	Power Supply Pbar enclosures	64 hours over 8 days	Not Yet Reviewed
<input type="radio"/> Ok <input type="checkbox"/> Pending	<input type="radio"/> No	<input type="checkbox"/> Complete <input type="radio"/> Delete <input type="radio"/> Help	B. Wisner x4769 04/08/09 9877 Normal	<input type="checkbox"/> Do-Now long-range	B. Wisner, C. Bair, Obie ↑	Replace caps, in PEI PS Replace the aging output filter capacitors in A:IB, A:LQ, A:QDF, A:QT, D:IB, D:QF, D:QD and D:QSS power supplies. Each electrolytic capacitor has an inline fuse, which will also be replaced. There is a total of 375 capacitors. Attention needs: Pbar Manpower needs: Technicians █	Power Supply AP10 and AP50	72 hours over 9 days	Not Yet Reviewed

<input type="radio"/> Ok <input type="checkbox"/> Pending	<input type="radio"/> No	<input type="checkbox"/> Complete <input type="radio"/> Delete <input type="radio"/> Help	C. Bair x4696 04/07/09 9874 Normal	<input type="checkbox"/> Do-Now long-range	C. Bair, B. Wisner ↑	Power Supply Maintenance During Summer shutdown: Replace bad cooling fans, clean, and inspect all DynaPower and P=EI power supplies. Will need keys for Critical Devices and AP-0. Check all low voltage power supplies on DynaPower, P=EI, CAMAC, NIM, and Movable Devices. Attention needs: Operations, Pbar Manpower needs: Technicians	Power Supply AP-0, AP-10, AP-30, AP-50, F-23,	95 hours over 10 days	Not Yet Reviewed
<input type="radio"/> Ok <input type="checkbox"/> Pending	<input type="radio"/> No	<input type="checkbox"/> Complete <input type="radio"/> Delete <input type="radio"/> Help	H. Gusler x4436 04/07/09 9872 Normal	<input type="checkbox"/> Do-Now long-range	crabtree, and two techs 3 Pbar Acc/Deb (@MCR)3 Pbar TransportThese keys will be needed everyday during the shutdown ↑	stands clean and paint stands, starting in tour area Attention needs: Mech Support, Pbar Manpower needs: Technicians	Misc pbar ring and transport lines	8 hours over 4 days	Not Yet Reviewed
<input type="radio"/> Ok <input type="checkbox"/> Pending	<input type="radio"/> No	<input type="checkbox"/> Complete <input type="radio"/> Delete <input type="radio"/> Help	H. Gusler x4436 04/07/09 9871 Normal	<input type="checkbox"/> Do-Now long-range	crabtree, and two techs 3 Pbar Acc/Deb (@MCR)3 Pbar TransportThese keys will be needed everyday during the shutdown ↑	check gate valves check gate valves for air leaks Attention needs: Mech Support, Pbar Manpower needs: Technicians	Vacuum pbar ring and transport lines	2 hours over 1 day	Not Yet Reviewed
<input type="radio"/> Ok <input type="checkbox"/> Pending	<input type="radio"/> No	<input type="checkbox"/> Complete <input type="radio"/> Delete <input type="radio"/> Help	H. Gusler x4436 04/07/09 9870 Normal	<input type="checkbox"/> Do-Now long-range	crabtree, and two techs 3 Pbar Acc/Deb (@MCR)These keys will be needed everyday during the shutdown ↑	titanium sublimation pumps switch cable on worn filaments to new ones Attention needs: Mech Support, Pbar Manpower needs: Technicians	Vacuum pbar ring	8 hours over 2 days	Not Yet Reviewed
<input type="radio"/> Ok <input type="checkbox"/> Pending	<input type="radio"/> No	<input type="checkbox"/> Complete <input type="radio"/> Delete <input type="radio"/> Help	H. Gusler x4436 04/07/09 9869 Normal	<input type="checkbox"/> Do-Now long-range	crabtree, and two techs 3 Pbar Acc/Deb (@MCR)These keys will be needed everyday during the shutdown ↑	cold cathode repair cold cathode 801 Attention needs: Mech Support, Pbar Manpower needs: Technicians	Vacuum D/A line	8 hours over 1 day	Not Yet Reviewed

<input type="radio"/> Ok <input type="checkbox"/> Pending	<input type="radio"/> No	<input type="checkbox"/> Complete <input type="radio"/> Delete <input type="radio"/> Help	H. Gusler x4436 04/07/09 9868 Normal	<input type="checkbox"/> Do-Now long-range	crabtree, and two techs 3 Pbar Acc/Deb (@MCR)These keys will be needed everyday during the shutdown ↑	cold cathode replace cold cathode 728 Attention needs: Mech Support, Pbar Manpower needs: Technicians	Vacuum transport line,728	1 hour over 1 day	Not Yet Reviewed
<input type="radio"/> Ok <input type="checkbox"/> Pending	<input type="radio"/> No	<input type="checkbox"/> Complete <input type="radio"/> Delete <input type="radio"/> Help	H. Gusler x4436 04/07/09 9867 Normal	<input type="checkbox"/> Do-Now long-range	crabtree, and two techs 3 Pbar Acc/Deb (@MCR)These keys will be needed everyday during the shutdown ↑	rough vacuum replace o rings in cryogenic rough vacuum system, service pump, leak check Attention needs: Cryo, Mech Support, Pbar Manpower needs: Technicians	Vacuum A60	8 hours over 2 days	Not Yet Reviewed
<input type="radio"/> Ok <input type="checkbox"/> Pending	<input type="radio"/> No	<input type="checkbox"/> Complete <input type="radio"/> Delete <input type="radio"/> Help	J. Morgan x5236 03/31/09 9811 Normal	<input type="checkbox"/> Do-Now long-range	Misek, Gusler, Crabtree, Budlong, Poll, Seifrid, Mueller, D. Peterson, Dilday, Morgan, Vander Meulen 6 Pbar Acc/Deb (@Pbar) ↑	Core 4-8 dp kicker tank upgrade Remove existing core 4-8 momentum cooling tank in the A50 straight section. Replace with two new kicker tanks, relocated a few meters downstream. Work will require vacuum and cooling techs, electrical and LCW work, removal of old cryo. Alignment will be needed both before the shutdown and for the tunnel work. Attention needs: Alignment, Cryo, Electricians, Mech Support, Pbar	Stochastic Cooling A50 straight section	100 hours over 50 days	Reviewed 04/14/09
<input type="radio"/> Ok <input type="checkbox"/> Pending 11/19/08 (who)	<input type="radio"/> No	<input type="checkbox"/> Complete <input type="radio"/> Delete <input type="radio"/> Help	A. Leveling x4041 11/18/08 9306 Normal	<input type="checkbox"/> Do-Now long-range	LeBeau, Ford, Kelly 1 Pbar VaultThese keys will be needed everyday during the shutdown ↑	Install hand rails New module installation procedure requires pedestrian traffic along the east side of the upper vault when shielding blocks are removed. Install removable hand rail system along east side of upper vault. Also, replace chain hand rail on north side of target vault with unistrut hand rail. Attention needs: ES&H, Mech Support, Pbar	Target Station AP0 Upper Vault	16 hours over 2 days	Reviewed 04/14/09

<input type="radio"/> Ok <input type="radio"/> No <input type="checkbox"/> Pending		<input type="checkbox"/> Complete <input type="checkbox"/> Delete <input type="checkbox"/> Help	H. Wyeth x3467 10/13/08 9138 Normal	<input type="checkbox"/> Do-Now long-range	Cedric Madison ↑	SUMMER Commissioning P-Bar LCW Pu SUMMER Commissioning P-Bar LCW Pumps I will need an hours time during the week I'd like to install the controller for Pbar's new pump control. If I can get an entire 8hour period. Questions please contact Cedric Madison. I would like to commission pbar completely. THIS WOULD REQUIRE TURNING PUMPS ON AND OFF AND OPENING AND CLOSING VALVES. Some non-sensitive loads would help. Attention needs: Controls, Instrumentation Manpower needs: Engineers	Misc CUB P-BAR LCW PUMPS	8 hours over 1 day	Reviewed 04/14/09
<input type="radio"/> Ok <input type="radio"/> No <input type="checkbox"/> Pending		<input type="checkbox"/> Complete <input type="checkbox"/> Delete <input type="checkbox"/> Help	A. Leveling x4041 10/13/08 9135 Normal	<input type="checkbox"/> Do-Now long-range	MSD, Leveling 1 Pbar Water CageThese keys will be needed everyday during the shutdown ↑	Water cooled target planning Summer 2008 Shutdown: If time permits, we would like to begin installation of new set of cooling water lines in the AP0 water cage which are to run between the pulsed magnet water skid and the south vault penetration. The connection to the pulsed magnetwater system would NOT be done at this time. This is all new installation work with no impact on existing systems. Attention needs: ES&H, Pbar	Target Station AP0 Water cage	8 hours over 1 day	Work Coverage Required
Total Requests: 18 Total Keys asked for: 62 22 - Pbar Transport 10 - Pbar Acc/Deb (@Pbar) 1 - Pbar Vault 4 - Pbar prevault 4 - Tev F sector 1 - Pbar Water Cage 2 - Not listed (see job description) 18 - Pbar Acc/Deb (@MCR)									