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**C-A OPERATIONS PROCEDURES MANUAL**

**ATTACHMENT**

**8.3.3.b Operation Procedure of RHIC Vacuum Pet Pages**

C-A-OPM Procedures in which this Attachment is used.		
8.3.3		

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
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Approved: \_\_\_\_\_ *Signature on File* \_\_\_\_\_  
 Collider-Accelerator Department Chairman                      Date

M. Mapes

### 8.3.3.b Operation Procedure of RHIC Vacuum Pet Pages

“*Italic in bold*” is what you type; ‘**bold**’ is what you select; CR = return

1. **Start the X-terminal Window:** (if the terminal is not already running  
Turn on the power switch of the terminal, wait for the bootup process to complete  
Type or select the server name (e.g. ‘*acnsun??.pbn.bnl.gov*’) and hit CR  
In the ‘Welcome to acnsun??’ page, enter your *user name* and hit CR  
Enter *your password* and hit CR  
The ‘Solaris Welcome Page’ will come up and followed by the ‘**StartUp**’ page
  
2. **Start Vacuum Pet Pages**  
At the ‘**Startup**’ page, select “**start**”.  
Select ‘**General Programs**’; Select ‘**Pet**’;  
Select ‘**RHIC**’; Select ‘**Vacuum**’
  
3. **Start Individual Vacuum Pet Pages (for status and control of vacuum devices)**  
Select one of the nine types of the vacuum branches:
  - SectorValves:** AtR and RHIC beam vacuum sector valves
  - CryostatGauges:** cold cathode and Pirani gauges in insulating vacuum systems
  - CryostatTMP:** operation of insulating vacuum turbomolecular pump stations
  - RingIonPumps:** sputter ion pumps for yellow and blue ring warm beam vacuum systems
  - VacuumInterlock:** gauges and pumps interlocking the beam vacuum sector gate valves
  - YellowGauges:** vacuum gauges in the yellow ring beam vacuum system
  - BlueGauges:** vacuum gauges in the blue ring beam vacuum system
  - PPA:** partial pressure analyzers for beam and insulating vacuum systems
  - Vjr Gauges:** vacuum gauges for valve boxes and VJR lines

After choosing the desired **vacuum branch**, select the ‘**pet page**’ corresponding to the interested vacuum sectors for status and control of individual vacuum ADOs

4. **Status of Vacuum FECs and PLCs**  
Select ‘**FECs**’ instead of ‘**Vacuum**’ in procedure 2 to access the vacuum FECs and PLCs  
Select ‘**Vacuum**’  
Select ‘**PLC\_check**’ to review and reset the following FECs and PLC coprocessors:

<u>FEC</u>	<u>Coprocessors for PLCs at</u>
cfe-wh-vac	A Trailer, 1000P
cfe-6b-vac1	1004B, 1006B
cfe-6b-vac2	1002B, 1012A
cfe-6b-vac3	1008B, 1010A
cfe-6b-vac4	TMP & PPA