

**D0 RUN CHECKLIST** Version 3.6 - 9/February/2004

**Instructions:**

Use this checklist for each recorded Physics run. Refer to the Run Plan for supplemental instruction. The starting & stopping of the Run should be announced by the Shift Captain or DAQ Shifter - Use the Bell! - so all shifters know when to begin or end the checklists and to reset/restart the Examines.

Captain(s):
Date:
Time:
Store #:
Run #:
Init Lumi:
Global_CMT Version #
Prescale Set

**Section I** (Start at the beginning of each recorded Physics run)

Verify which crates are Not in the Run (*Please Circle*):

- L1:** 10 11 12 13 14 16 17 18 19    **L2:** 20 21 22 23 24 25  
**MUO:** 30 31 32 33 34 35 36 37 38 39 3A 3B  
**CAL:** 40 41 42 43 44 45 46 47 48 49 4A 4B [4C is required]  
**CFT:** 50 51 52 53    **SMT:** 60 61 62 63 64 65 66 67 68 69 6A 6B  
**STT:** 70 71 72 73 74 75

Verify (*Check if OK*):

- \_\_\_\_\_ No major alarms (*see Alarm Display*)  
 \_\_\_\_\_ All connections in the COORMON are **green**

**Section II** (*Check shortly after the run has started the global run*)

- Average Output Rates in Hz (*see DAQ Monitor*)    L1 \_\_\_\_\_ L2 \_\_\_\_\_ L3 \_\_\_\_\_  
 \_\_\_\_\_ Global FEB is less than 5%    *Contact Triggermeister if you suspect a problem (266-4436)*  
 \_\_\_\_\_ "Monitor" stream is less than 20% of "all" stream ( → *DAQ Monitor*)  
 \_\_\_\_\_ Start Vertex Examine (*CFT Shifter "spies" on your process to do extra monitoring*)  
 \_\_\_\_\_ Event Display (Are offline events current? [http://www-d0online/www/shift/event\\_pix.html](http://www-d0online/www/shift/event_pix.html))  
 \_\_\_\_\_ ImCaptain: Server Status Tab (*Follow instructions as needed*)  
 \_\_\_\_\_ Radiation Monitor (Are all devices enabled on ACNET Page E16?)  
 \_\_\_\_\_ Save Vertex Examine plots in e-log

Vertex Examine (*Instructions: Run Plan → Global Monitoring*) mean \_\_\_\_\_ sigma \_\_\_\_\_  
 Are L3 tracking distributions OK? (*check every ~30 minutes during the run*) \_\_\_\_\_

**Section III** (*Do prior to stopping the run*)

\_\_\_\_\_ Announce clearly to all shifters that the run is about to end – Use the Bell!  
 Examine plots & Monitor displays with comments (as needed) pasted in the logbook?

- CAP  SMT  CFT  CALMUO  GM

Was there a system or trigger problem during this run that would render a significant fraction of the data uncertain or useless for offline analyses?

- CAP  SMT  CFT  CALMUO  GM

Explain \_\_\_\_\_

End of Run: 

Events:
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Final Lumi:
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Rate to Tape:
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- Reason run ended (*Circle all that apply*):    Change Prescales    End of Store  
 L3/DAQ    L2    Operator Error    Redownload CAL Peds    4 Hour Limit  
 Add/Remove Crate(s) (*Explain*) \_\_\_\_\_  
 Configuration Change (*Explain*) \_\_\_\_\_  
 Other \_\_\_\_\_