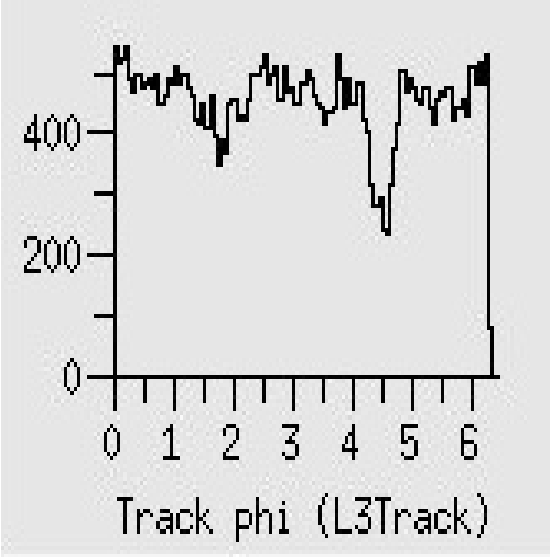
D0 Status Summary

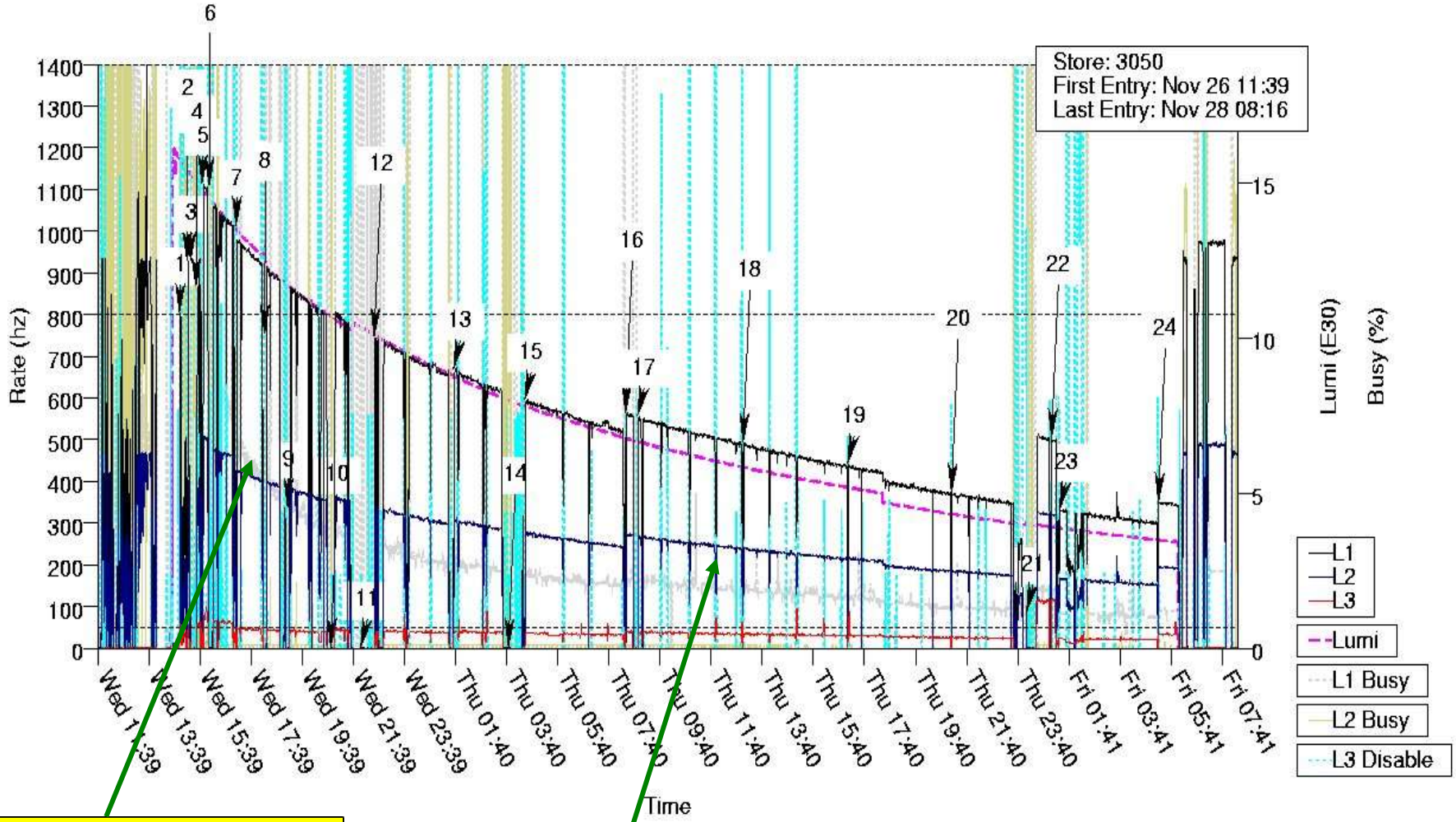
- Experiment is in good shape
- **1219nb^{-1} delivered, 928nb^{-1} recorded, 76% efficiency**
  - With the caveat of the CFT problem, the data are "physics quality"
  - Low efficiency
    - Larger Front-End Busy fraction
    - DAQ deadtime from file transfers
    - A couple of test runs
    - Short stores, long breaks
- Short accesses almost every day, but no highly critical tasks
  - Exception: Calorimeter BLS power supplies – had 3 failures so far after the shutdown, not yet clear if bad luck or something else
- In Supervised Access mode since this morning

CFT Status

- Dramatic increase in the number of non operational readout channels observed after the shutdown
  - ≃1.5% of CFT and CPS dead (x20 increase)
  - Originally believed to be SVX chip /AFE board problem (groups of 64 channels); swapped AFE boards – problems stays
  - Appeared after last power outage with warm up of cryostat (mid-October) → **serious problem**
  - No explanations yet (contamination, cryogenic, mechanical, ...)
- Probably very minor impact on offline tracking – but not Level 3 tracking and track trigger!
  - 480 CFT axial dead channels
  - Masked most of the dead channels "On"
  - Investigating possible Level 3 changes
- Good news: dead channel count constant



Livetime (Previous Week)



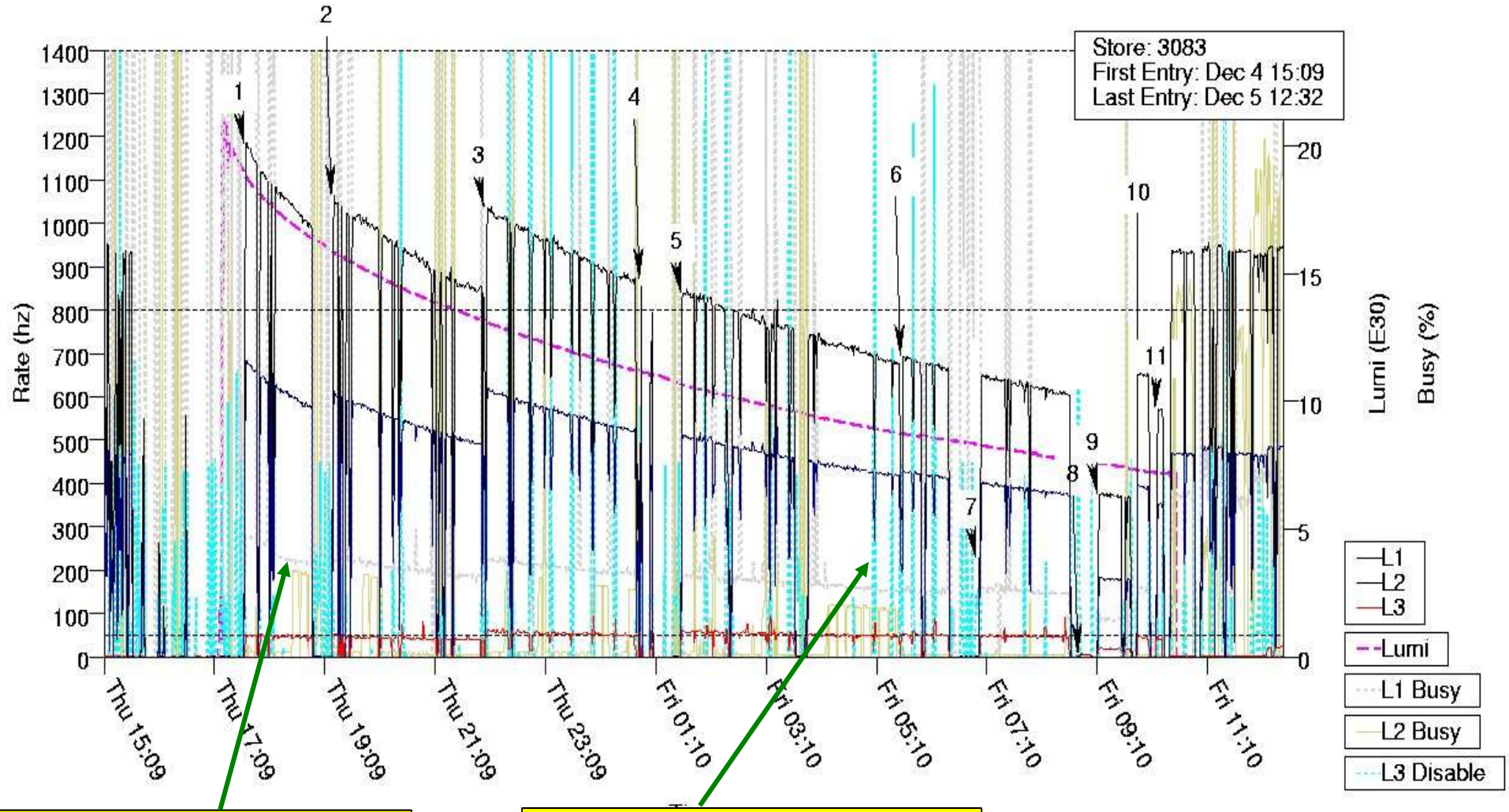
7% L1 Busy at 1kHz
15% at 1.5kHz

(should be <5%)

File transfers to FCC

(modified streaming)

Livetime (This Week)



FEB problem fixed!

(bug in L2 executable)

File transfers to FCC: somewhat better

(waiting for testing opportunity)

Other News

- Working on reduction of Level 3 output event size from $\simeq$260kB to $\simeq$180kB – final details being sorted out
- Occasional flakyness of L1Muon crate causes temporarily increased L2 Busy (few %)
- Noise introduced into the luminosity system by SMT
  - Caused huge increase in diffractive “Gap” North triggers
  - Verified that this has negligible impact on luminosity measurement