

# Week in Review: 10/28/02 - 11/03/02

---

## **Ron Moore – FNAL**

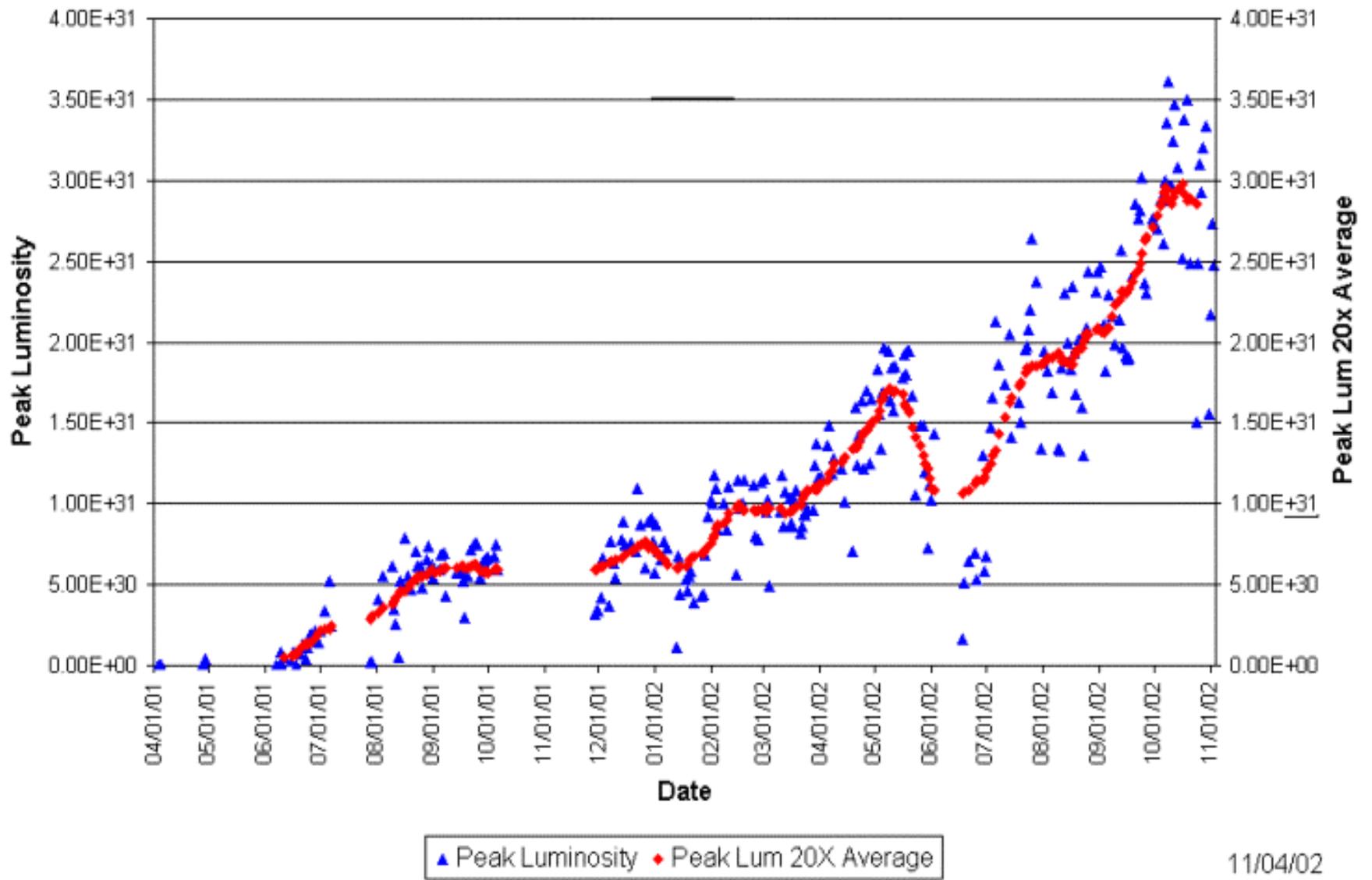
- Stack and Store week
- Second best delivered luminosity
- Tev problems with protons at 150 GeV
- Shake, rattle, and roll: Earthquake kills store

# Store Summary

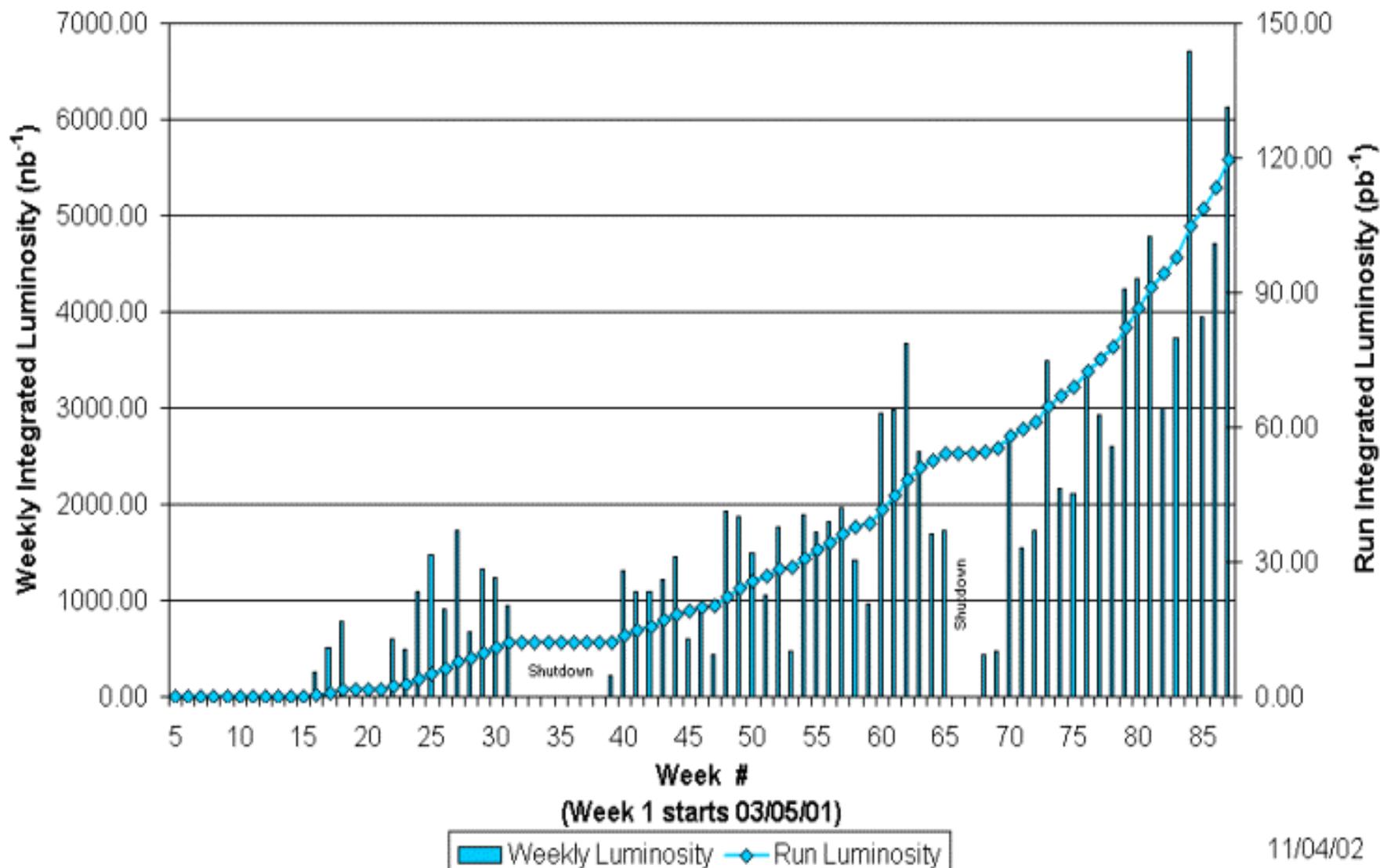
---

Store #	Initial Lumi	Duration (hr)	Termination	Comments
1918	32.0	18.5	intentional	
1921	33.3	24.7	intentional	> 1 pb <sup>-1</sup> delivered
1924	8.0	3.9	Abort on T:QFA4	Proton loss during pbar injections; SQA4 bad table
1929	15.6	13.9	intentional	Proton loss during pbar injections; Pbar BLT off
1933	21.7	18.2	intentional	Dampers off
1935	27.3	19.5	intentional	Dampers on
1937	24.8	3.7	Earthquake, quench @ F48	Dampers off, pbar BLT off

# Collider Run IIA Peak Luminosity

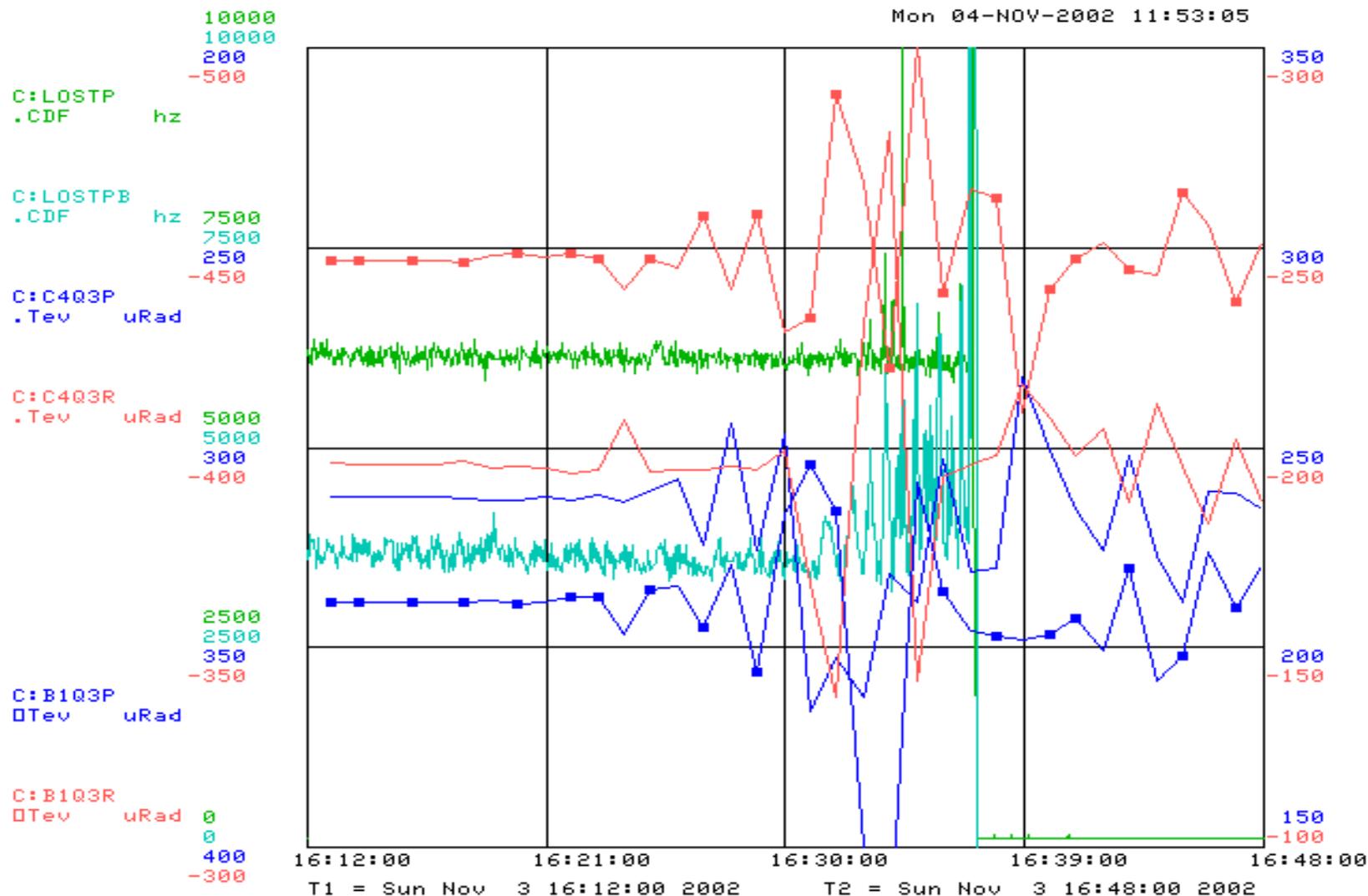


# Collider Run IIA Integrated Luminosity

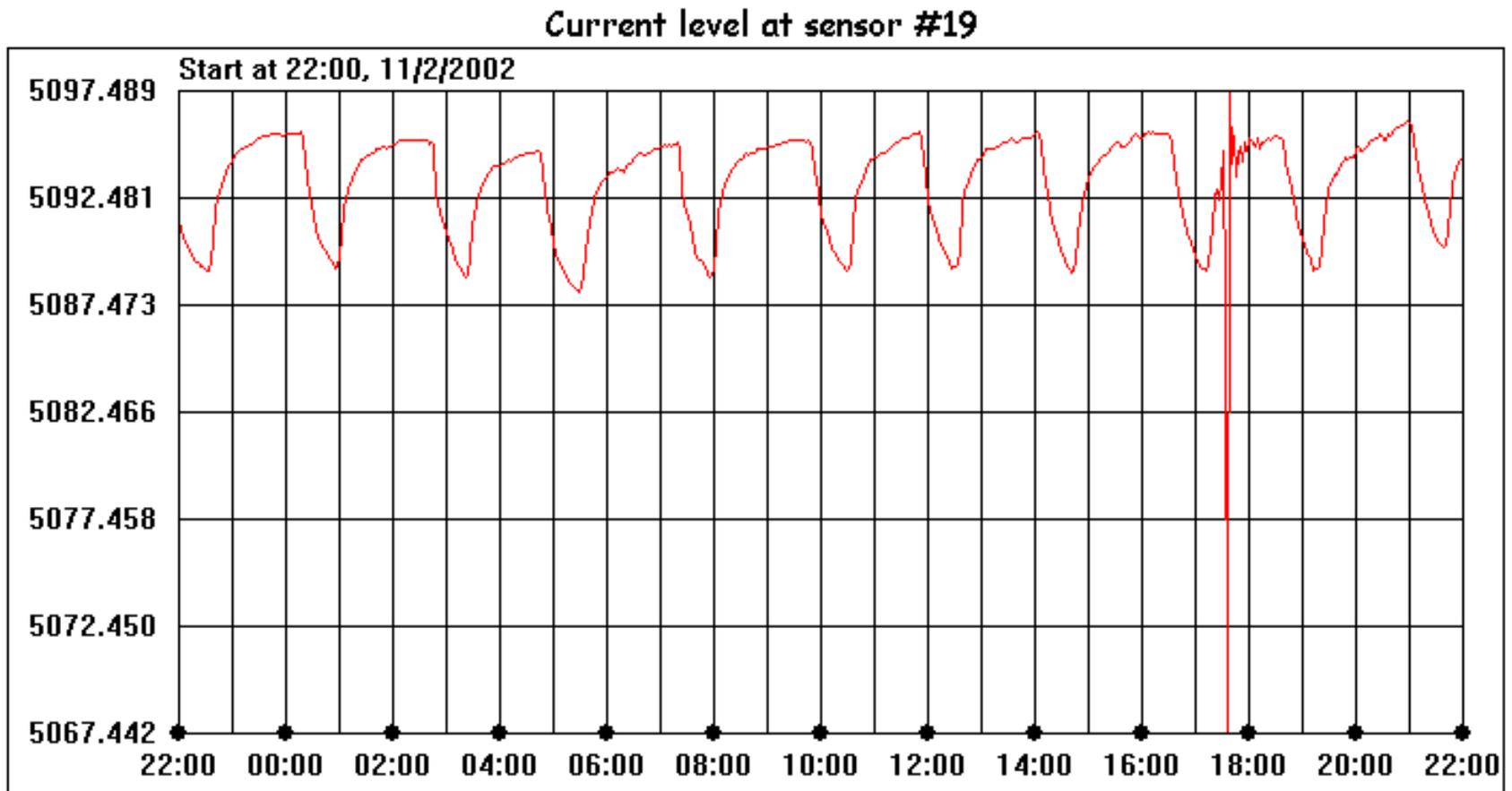


11/04/02

# Alaska Earthquake Ends Tev Store #1937

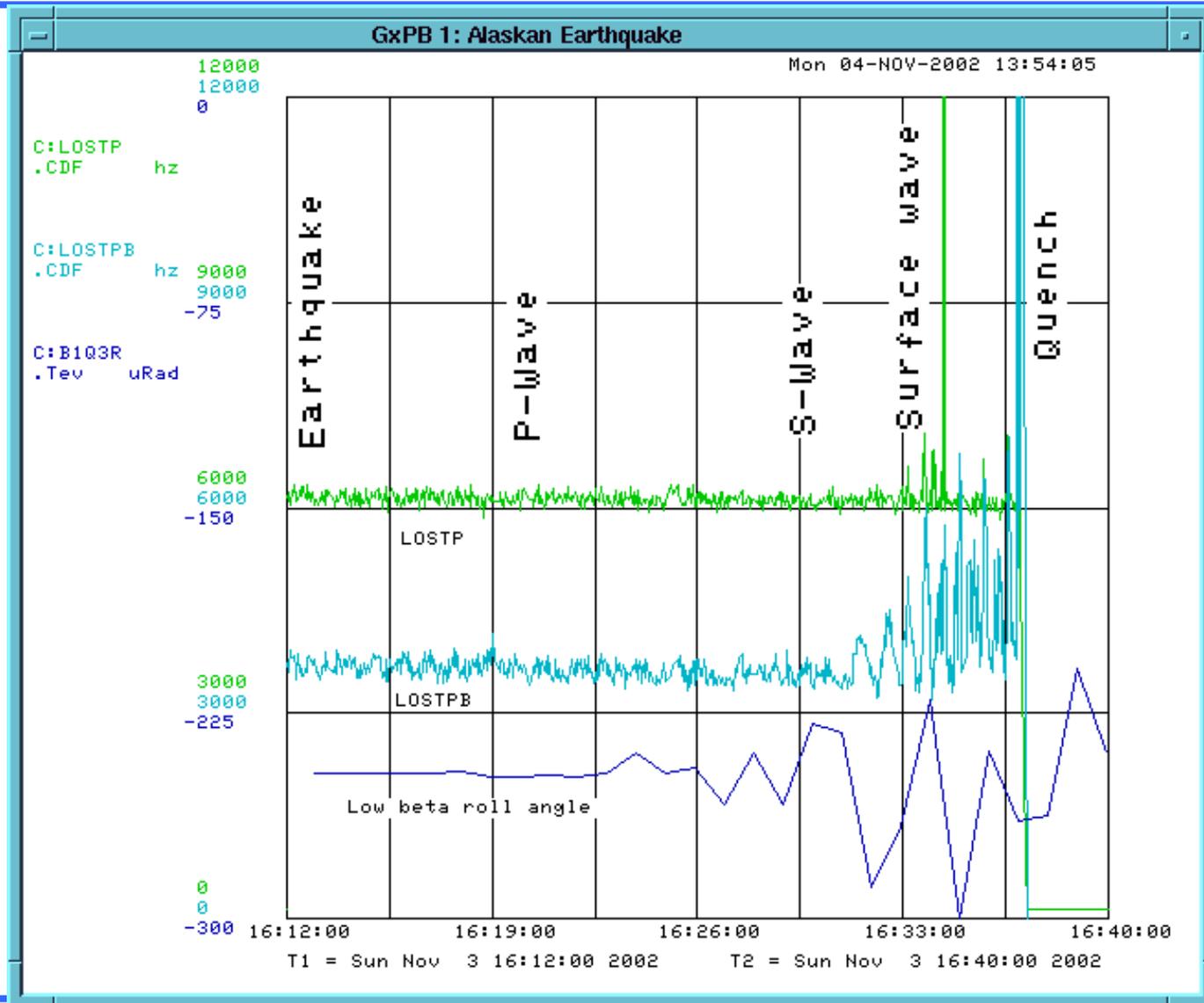


# MI-8 Line Motion from Earthquake



*Time off by one hour in this plot*

# Earthquake!

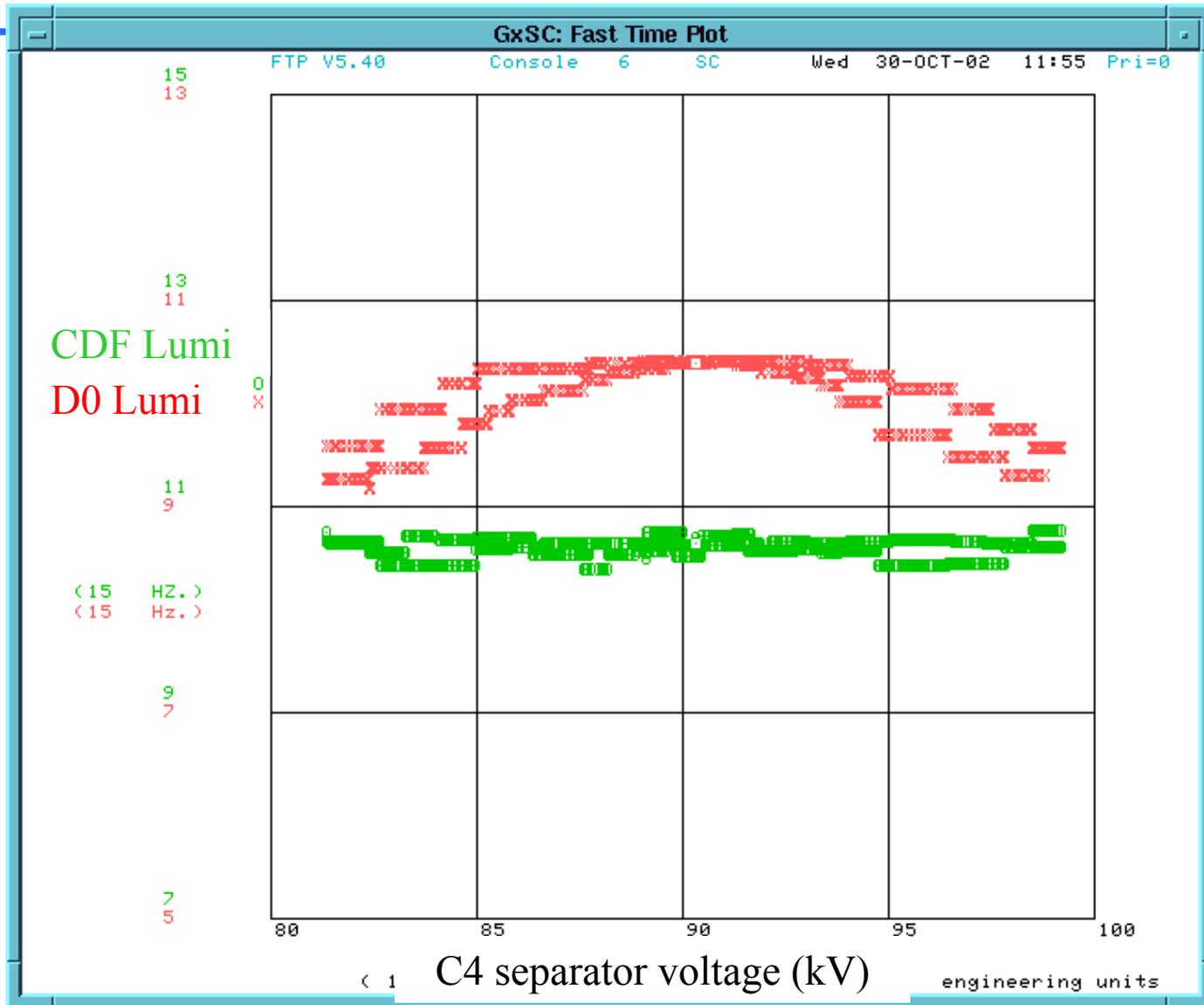


# Machine Studies/Maintenance

---

- Tevatron separator scans at IPs (position)
  - Maximize luminosity – very minor improvements
- Tev damper study at 150 GeV
  - Dampers cause proton loss during pbar injections? No.
  - Investigate tune ramps during pbar injection
- New A1 line lattice implementation
  - P1 line misbehaved after A1 line changes
  - Retreated to old A1 settings
- Recycler energy correction with sextupoles
  - 24 MeV difference between MI and RR
  - Problem with correction last week now fixed

# Separator Scan at D0



# Weekly Schedule