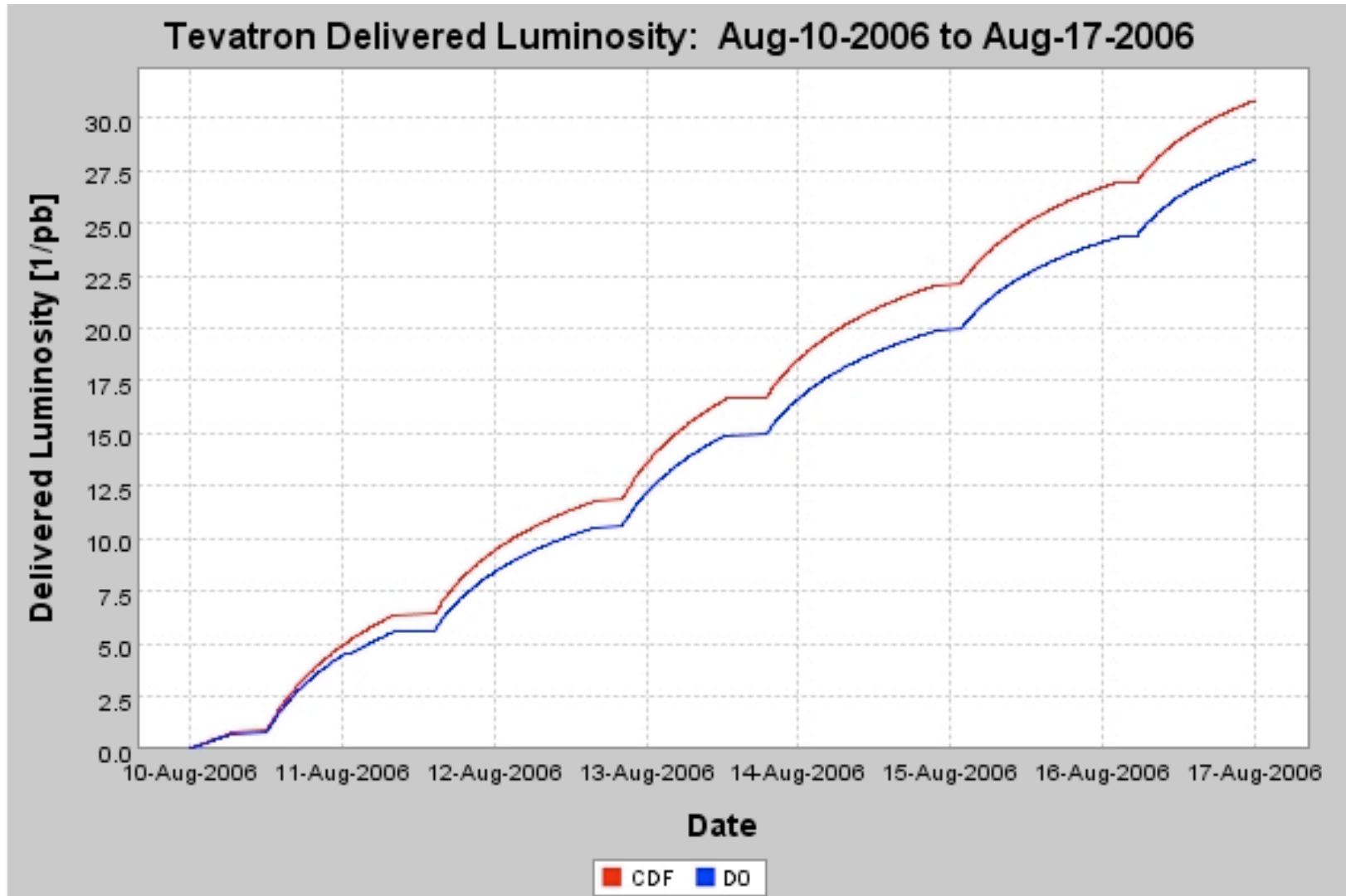
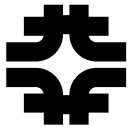


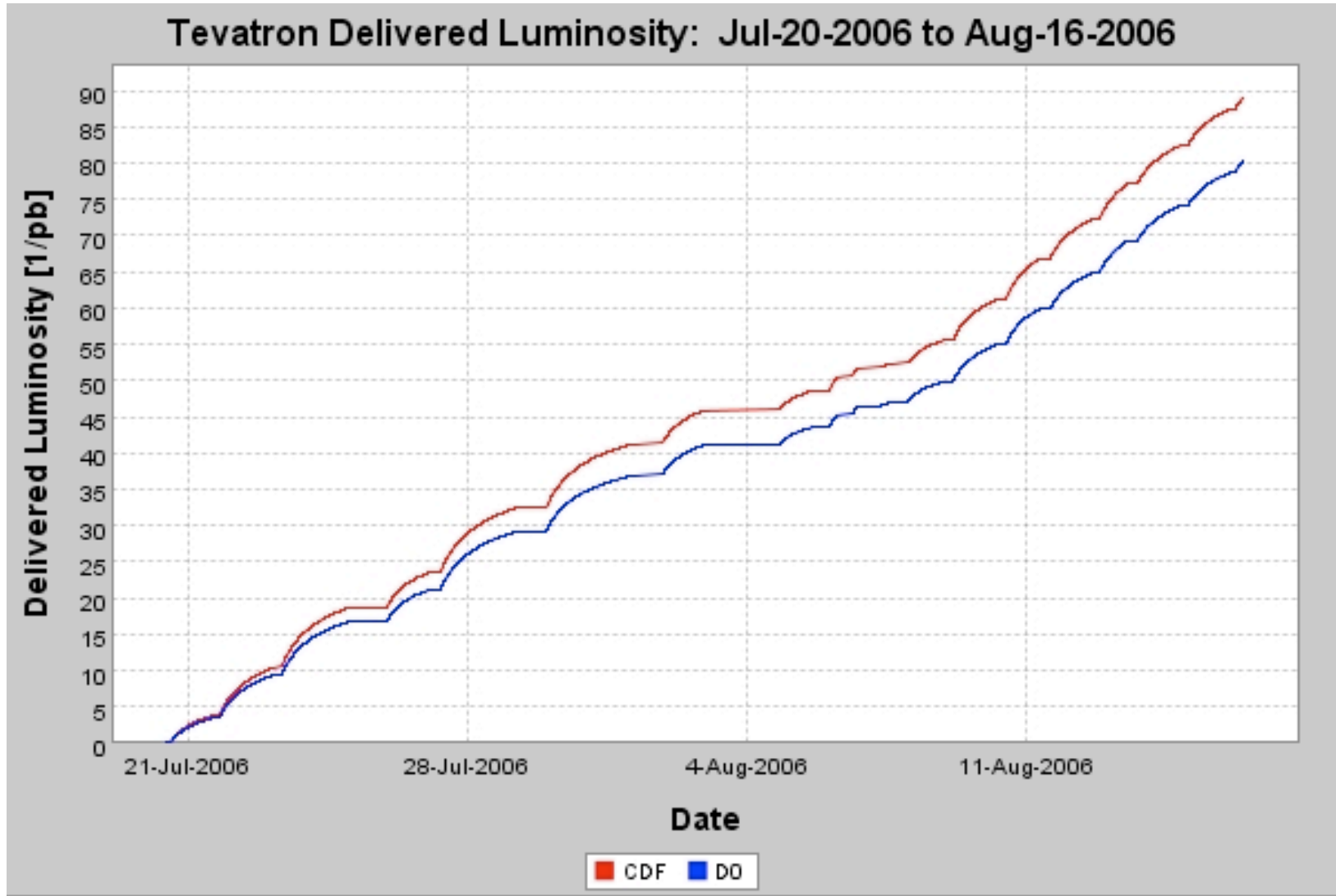
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## Operations Summary

R. Dixon

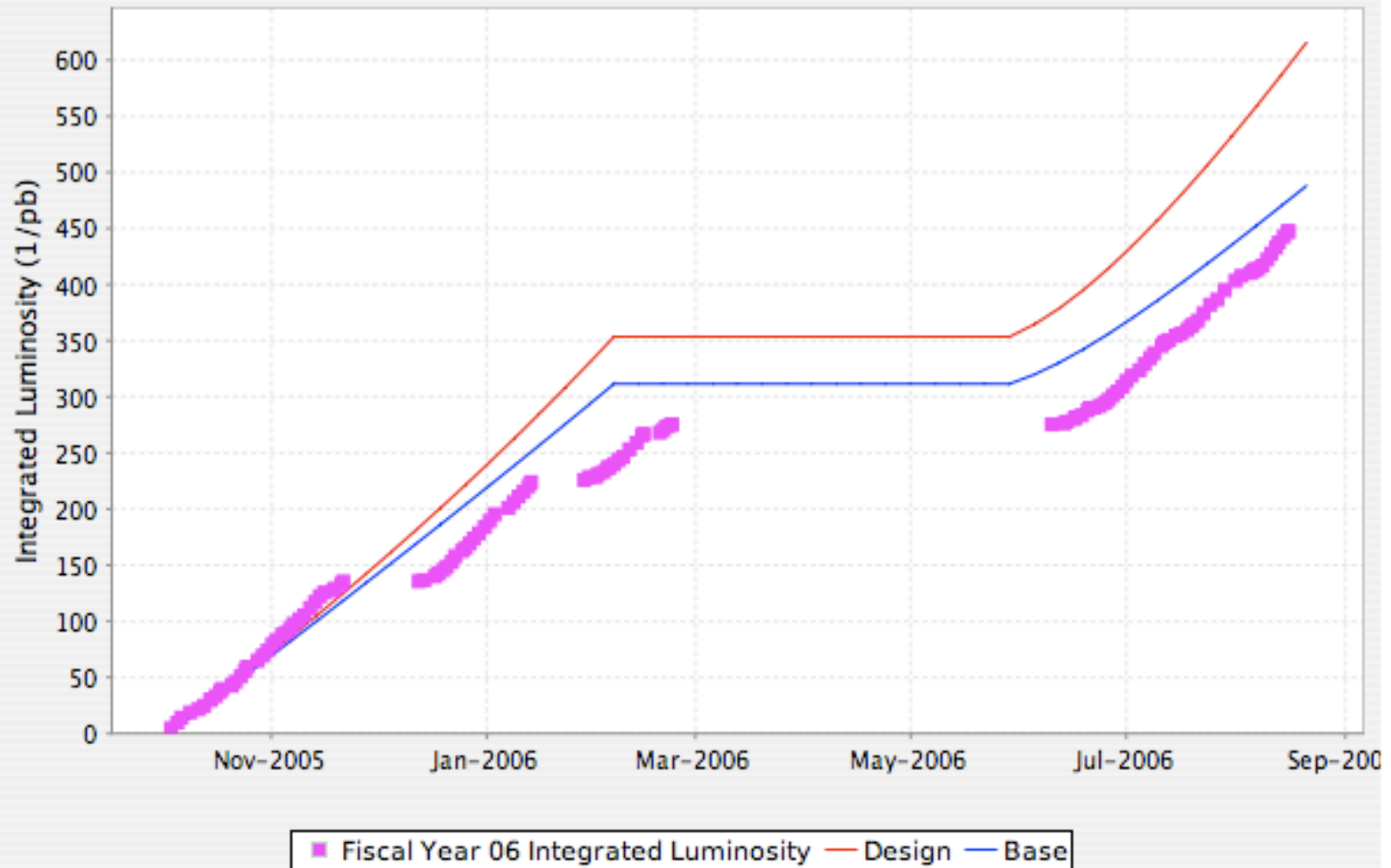
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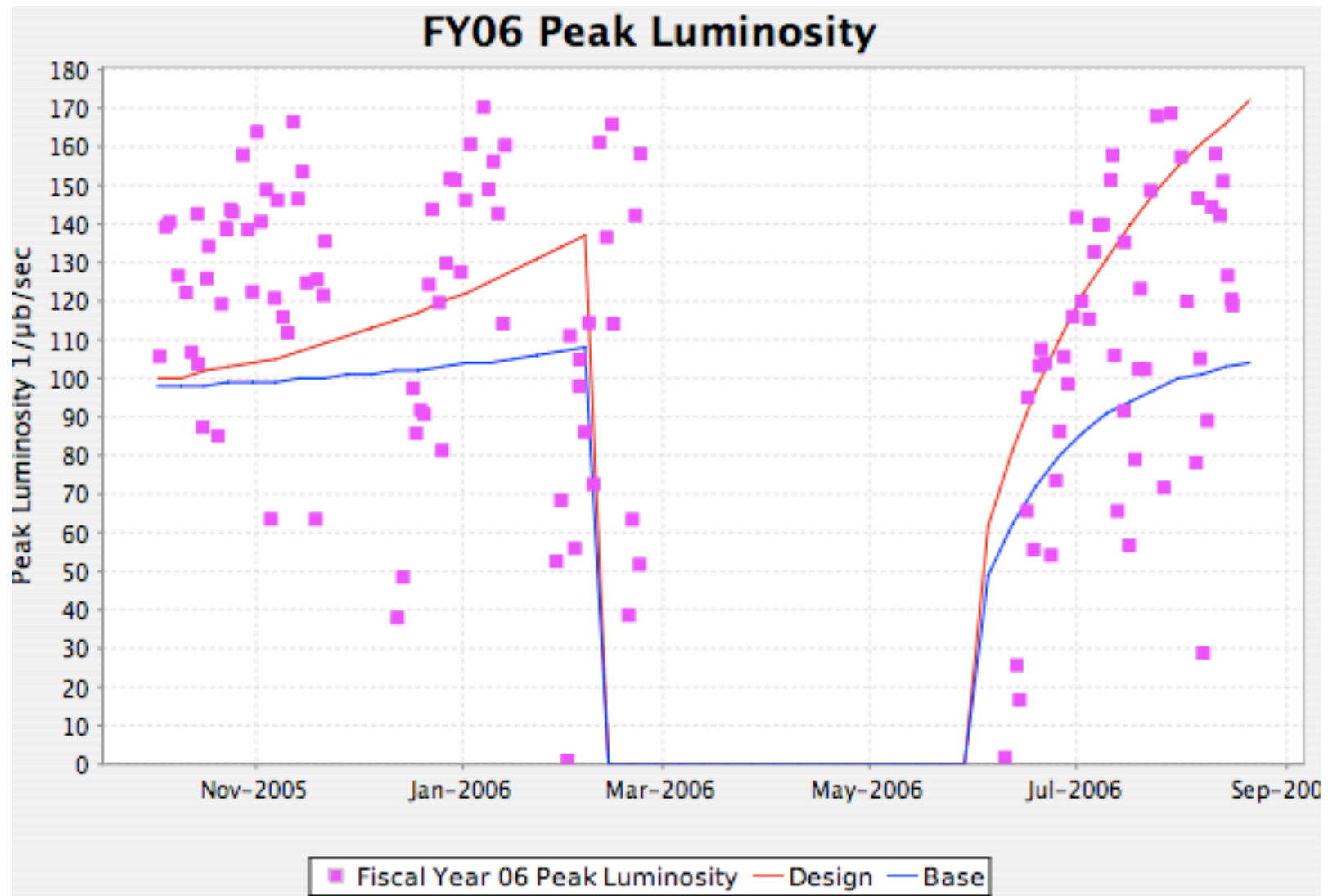
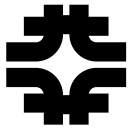


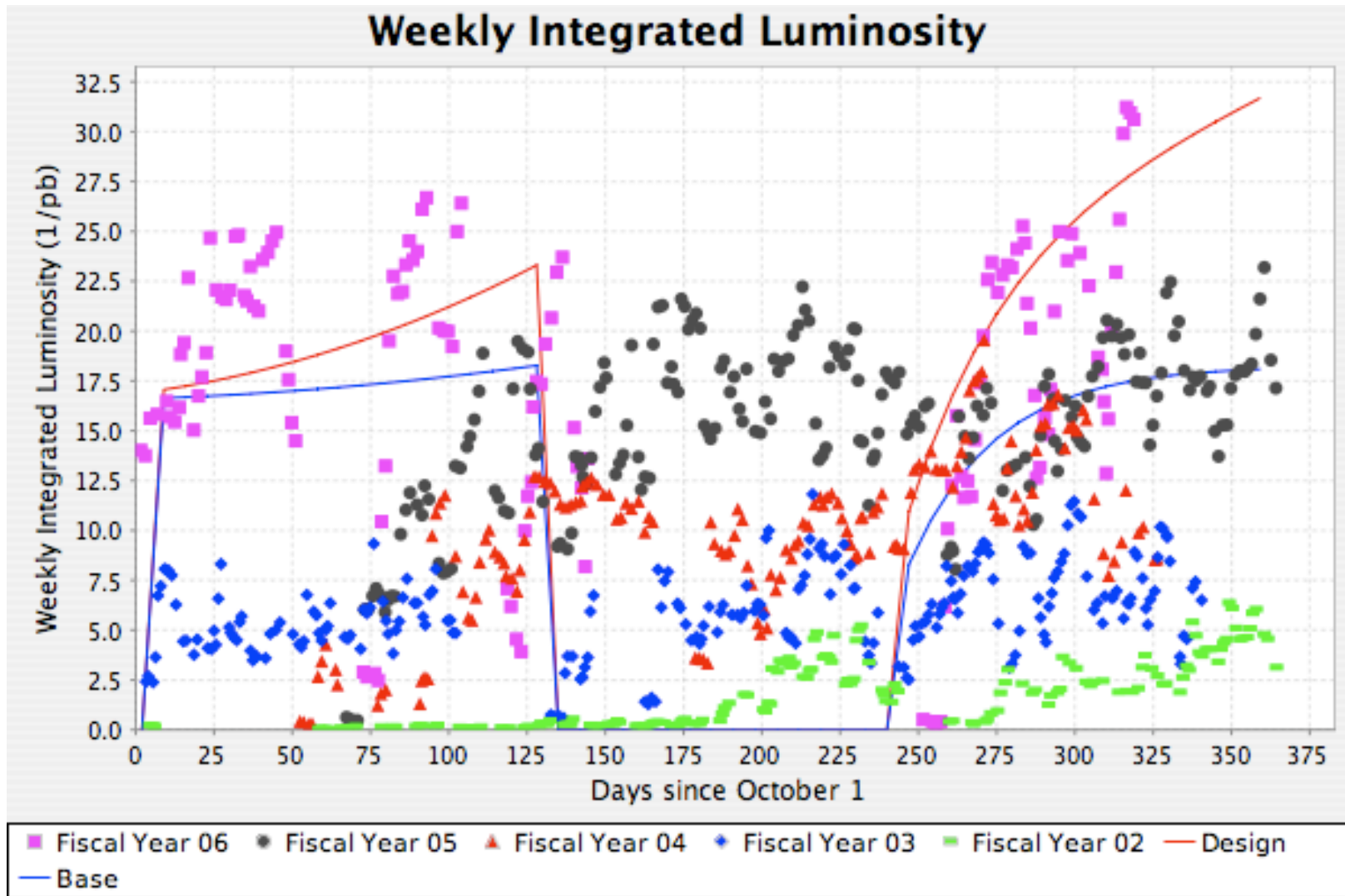
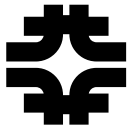


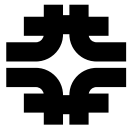


## FY06 Integrated Luminosity

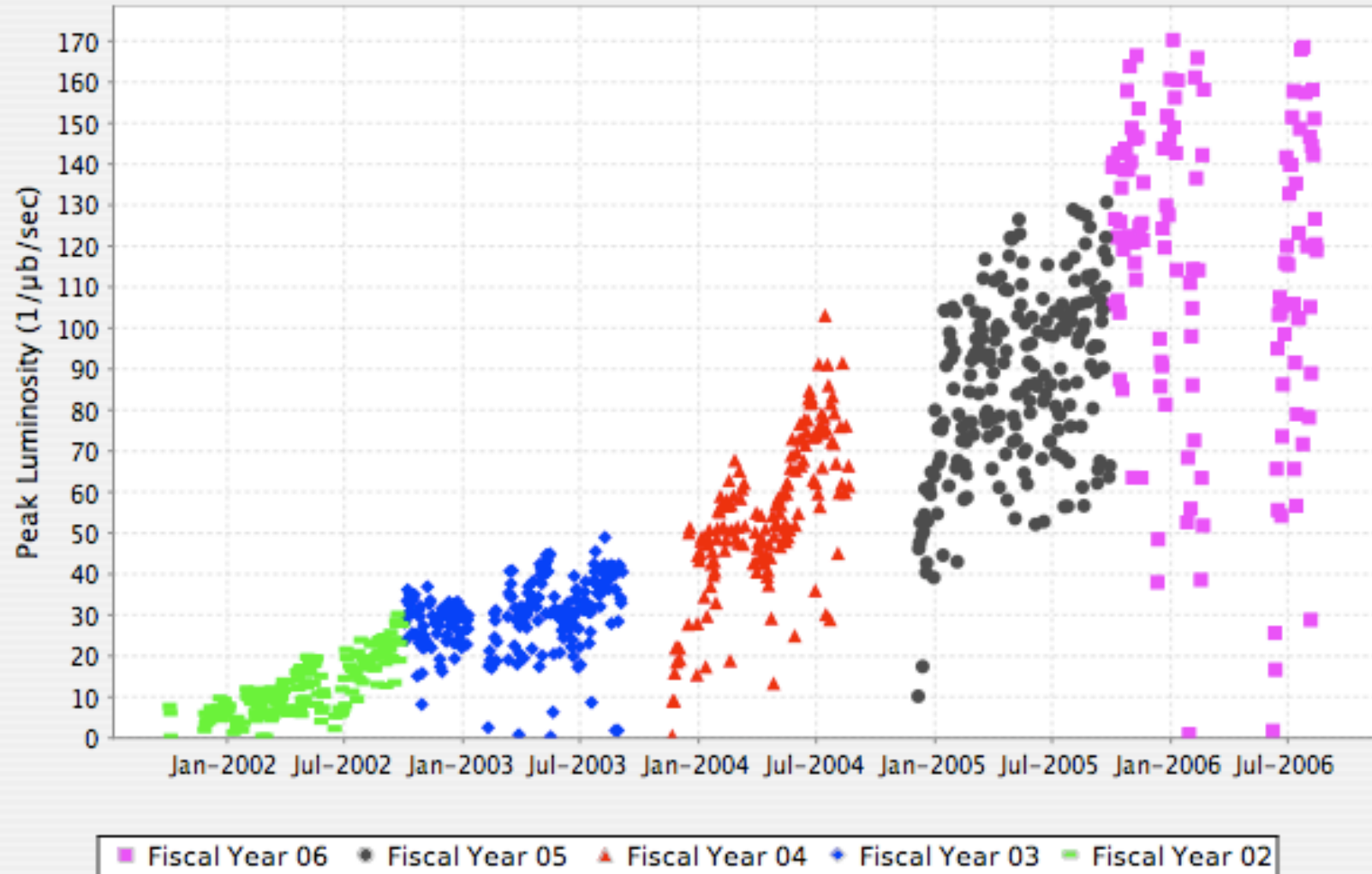


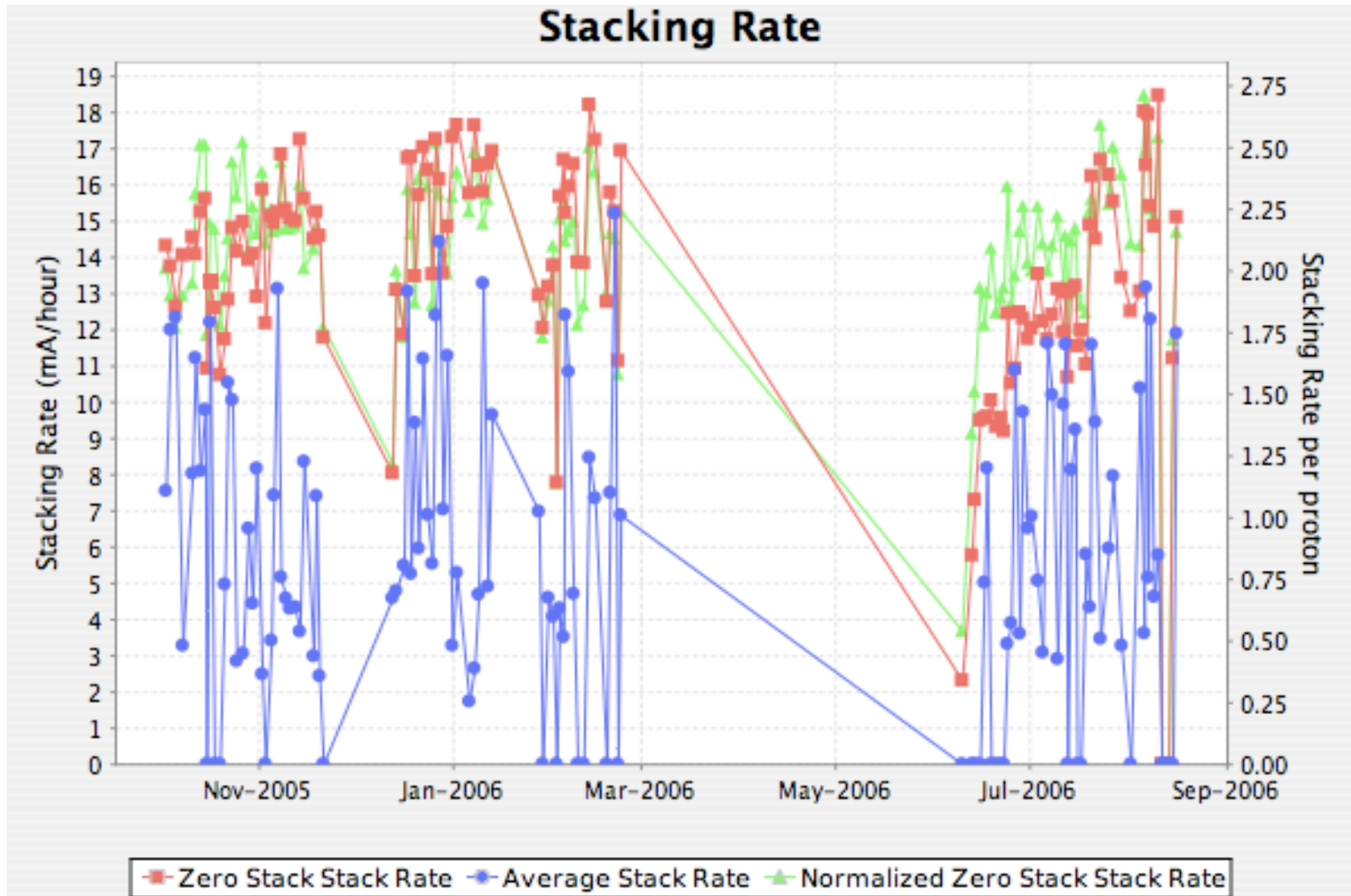
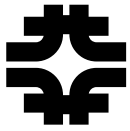






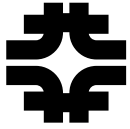
## Peak Luminosity





Run II PMG 8-17-06 - R. Dixon





# Major Downtimes and Issues

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- Proton Source
  - Source vacuum (Ion pumps)
  - Klystron Water systems
  - Booster tuning
    - Orbits
    - Dampers
- Main Injector
  - Pbar losses on transfers
  - Beam Motion (SY120)
- Antiproton
  - PMAG ground fault
  - Target Motor replacement
  - Ground fault on A:IB and D:IB
  - Stacking Rate
    - Stable beam on target
    - Yield to Debuncher 22 to 23 x 10<sup>-6</sup>
    - Stacktail??
      - Production has been slowly declining in the last week or so-- not understood



## Major Downtimes and Issues (2)

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- Recycler
  - Pelletron Cooling
  - Transverse Emittance Growth during mining
  - New working point
- Tevatron
  - Running very reliably
    - New helices--> improved lifetimes-- Longer stores
  - F17 Kicker
  - Misc Aborts (cards and kickers)
  - Separator Spark
- General
  - Feeder 49 fault
  - Heat



## Summary

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- Performance ~ equivalent to prior shutdown
- Stacking is still the big issue
  - Debuncher to Accumulator
- Booster protons
- Tevatron running well



## Records

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- Monthly Integrated Luminosity
- Weekly Integrated Luminosity
- Record integrated Luminosity for single store
- Second best peak luminosity