Science Tools Development
Resources For DC 2

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GSFC/L3
Timetable and Build Cycles

- How much development time is there between now and DC 2?
  - Build 9 5/31 - 7/8
  - Build 10 7/11 - 8/19
  - Build 11 8/22 - 9/30
  - Build 12 10/3 - 11/10
  - Build 13 11/14 - 12/23

- Who is available and what are they working on?
  - Jim Chiang: Likelihood, Obs/Orb Sim, IRFs, and more
  - Navid Golpayegani: Installers
  - Masa Hirayama: Pulsar Tools, Databases, file formats
  - James Peachey: Pulsar Tools, GRB Tools, infrastructure
  - Aymeric Sauvegeon: Catalog Tools

- Many others are contributing, but these are the core developers who can or do spend a large fraction of their time on Science Tools.
- In summary, there are roughly three builds and five developers to get everything done.
What Needs Doing?

- Currently planned development in major tool areas, as discussed earlier.
- Writing user level documentation.
- Handling support issues.
  - Installation/runtime environment
  - Windows support
- What else?
  - Changes to current Science Tool interfaces?
    - Are parameters sensible?
    - Can we simplify interfaces by making tools smarter?
  - Changes to Science Tool functionality?
    - New IRFs
    - Joint fits for LAT/GBM data
  - New Science Tools?
    - Temporal burst profile tool
    - IRFs visualization
    - Canonical Root-FITS converter
What Are Our Priorities?

- Three builds * five developers / (planned development + bug fixes + documentation + checkup 3 + Windows support + installer + science + other responsibilities) = Not a whole lot of time or resources for new projects!
- Goal of this session: priority queue of Science Tools development projects, with a view toward a successful “extended” checkup 3 and successful DC 2!