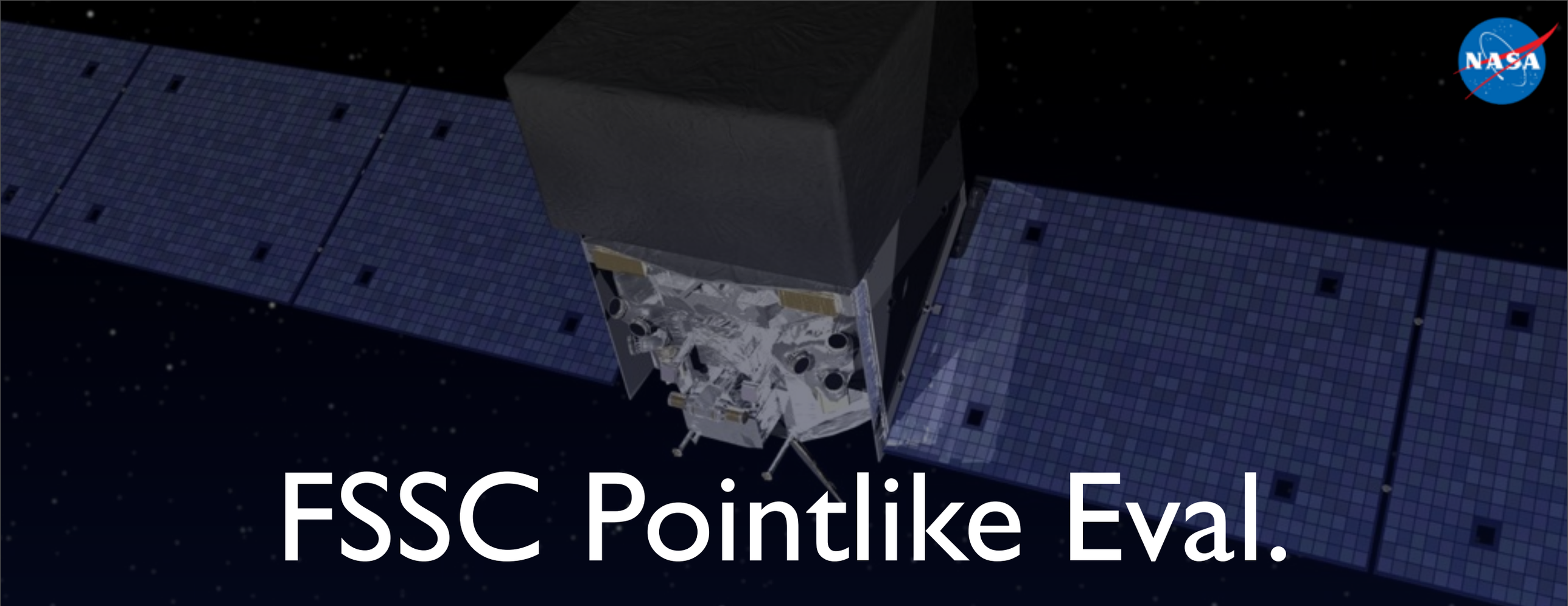

FSSC Pointlike Eval.

The FSSC is currently evaluating the pointlike analysis package and developing the expertise to support it in the future needed to do so.

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Pointlike?

- Is a ‘drop-in’ replacement for gtlike/pylike. It performs a full likelihood maximization.
  - Still have to run event selections/livetime calculations/exposure calculations etc.
- Has been used in a few LAT publications.
  - This includes the catalog analysis.
- Is only available to LAT team members.
- Was not developed for external distribution.

FSSC Evaluation

- Caveat: not evaluated for scientific accuracy. We assume the LAT team has done/is doing this.
- It is important to note that everything that you can do everything pointlike does with gtlike/pylike.

Pointlike Benefits

- Is faster than the current public tools due to ‘shortcuts’. For example it
  - Scales bin size with energy,
    - Does some integrations analytically.
- Some tasks are easier to perform like extended analysis and source localization.
- Provides more feedback to the user.

Other Considerations

- Very well documented at SLAC including examples.
- Also includes lots of information via the python ‘help’ function.

Issues with Release

- Pointlike is not ready for a public release.
  - It is clear this is code in development (obscure crashes, setup issues, etc.).
  - Documented functions do not always work.
  - None of these issues are show-stoppers but there is significant polishing needed.
- Any release from the FSSC must be bullet-proof and work intuitively (or be well documented).

Non-Technical Issues

- This could be released as a user-contributed tool which solves several problems.
- What is the 'official' LAT position if released?
- Who will do the 'polishing' (documentation and coding)?
- What about long term support?
- Are the shortcuts taken valid?