A Brief Marathon Pass 1 Update

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It's Done and Ready to Go! ☺

- After several setbacks, it's ready to use!
- What were those setbacks?
  - Code errors discovered
  - db_run errors discovered
  - Farm slowdowns *grumble, grumble*

Where is it?!

- It is all added to tape so that we don't lose it to volatile
- It is located in:
  - /mss/halla/triton/prod/marathon/pass1/
  - From there it is organized by kinematic
- If you need a variable for calibration work, use:
  - /mss/halla/triton/prod/marathon/pass1_calibration/
  - This has all variables in the TTrees
  - The files are *significantly* larger (record is run 2423 being broken into 31 root files)

How do I use them?

- First, get them on cache
  - Use jcache get [files in mss]
  - You can use wildcards
  - To get all pass1 files:
    - jcache get /mss/halla/triton/prod/marathon/pass1/*/*
  - '-e [your_email]' flag will email you when the files are available in cache
- To ensure compatibility, you need to use the same version of ROOT and Analyzer that was used for replaying:
  - ROOT 6.10/02
  - Analyzer 1.6.0-rc1 (May 08 2018)
  - Can use a source file:
    - source /work/halla/triton/MARATHON_Replay/sourceme.sh

What to do from here?

- Analysis
  - Yay!
- If files are bad or missing
  - Email me: tjhague@jlab.org

Tyler... This took a while to get here... What about pass2?

- All of the known kinks with the batch job generation have been ironed out
- User-friendliness updates have been pushed to GitHub
  - Updating the code for pass2 is as simple as updating a single variable at the top of the file
- The User-friendliness update also makes this code portable for replaying data for other experiments
  - The README documents how to set up the necessary variables and prepare your replay code
  - It should be especially easy for other Tritium experiments to use this code for batch analysis (already done by e'p)