

Held at LLNL, 79% of totality

ENDF hackers:

LLNL: Ian, Caleb, Sofia

LBL: Amanda

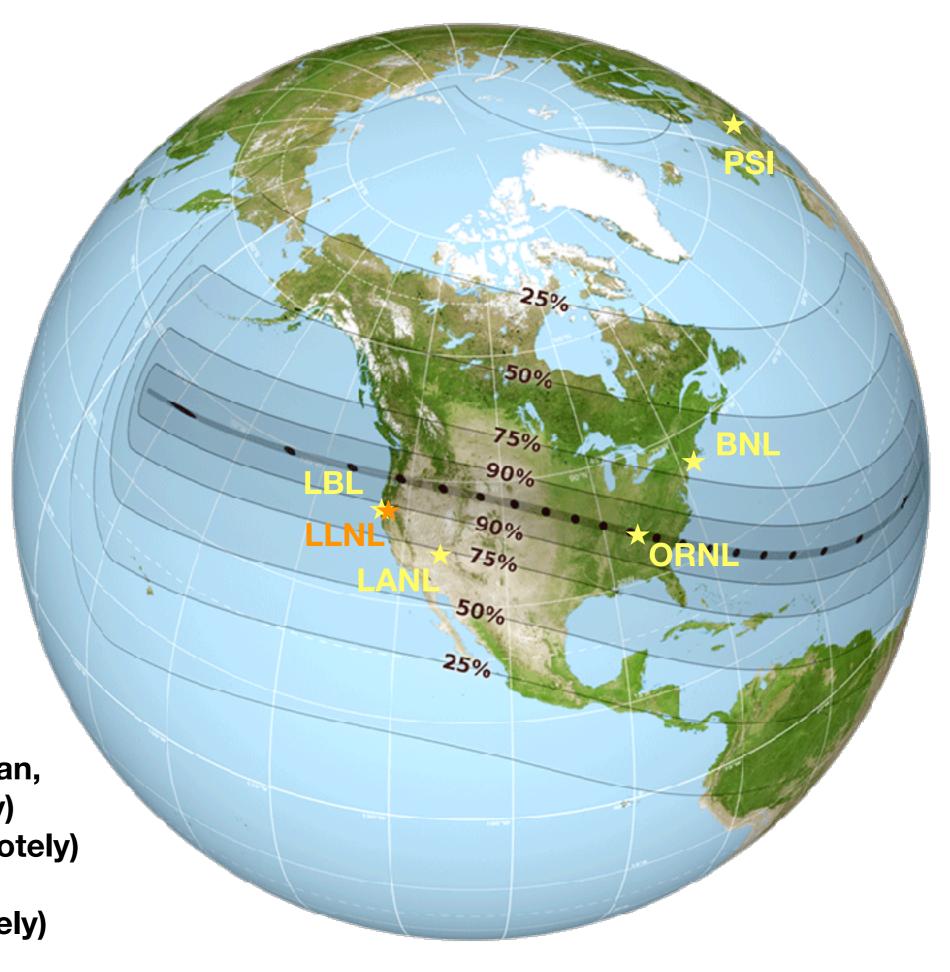
LANL: Toshihiko, Morgan,

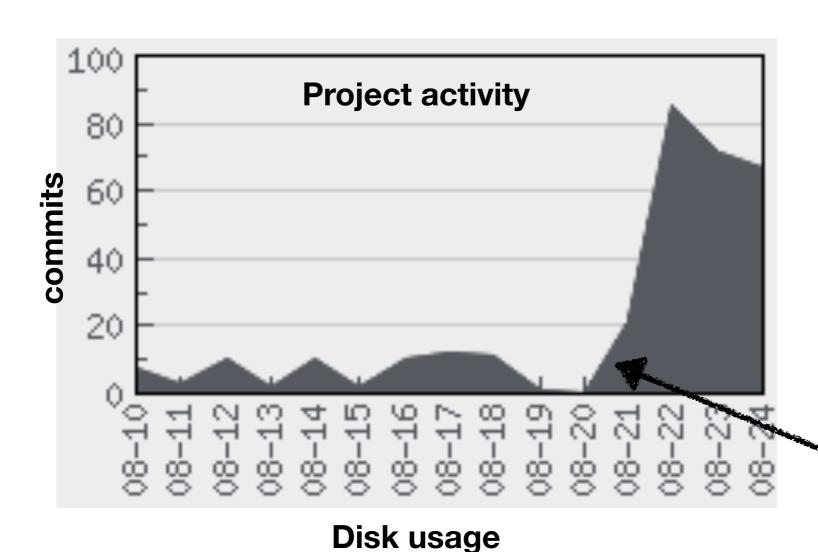
Denise (remotely)

ORNL: Doro, Vlad (remotely)

BNL: Dave

PSI: Dmitri (very remotely)



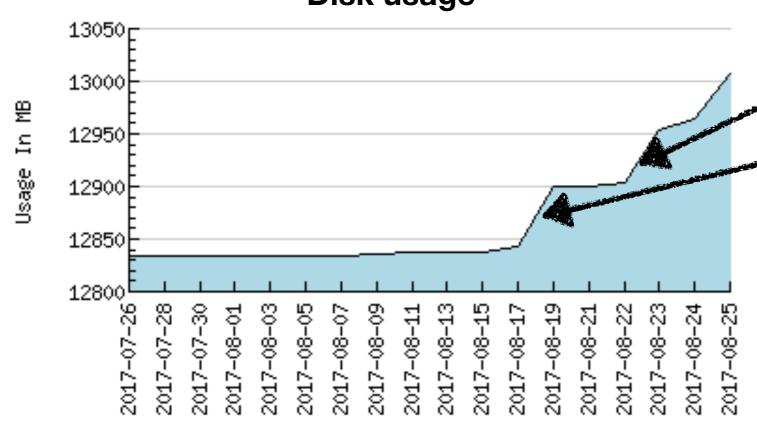


GForge noticed that we were busy

Hackathon begins

TENDL+EMPIRE

commits





Focus on errors that either halt processing or halt user calculations

- MT2 vs. MT32 mismatches (AMPX, FUDGE complain)
- σ(n,el) < 0
 <p>(NJOY, PREPRO complain)
- P(μ|E)<0 (All codes complain)
- Isomeric confusion (All codes complain)
- MF12 level info. vs. MF3 level info (FUDGE complains)

- Missing evaluation parts:
 - Fission data in ²⁴⁵Pu, ²⁴⁷Cm (NJOY complains)
 - Charged particle elastic scattering (NJOY complains)
- Assorted formatting errors (All codes complain)

Cosmetic changes

- NMOD wrong (this halts CHECKR's checking, missing more important errors)
- Prepare headers for VIII.0
- Fix/assign MAT numbers
- Interpolation



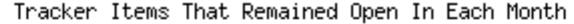
While making these changes, we also added many new files

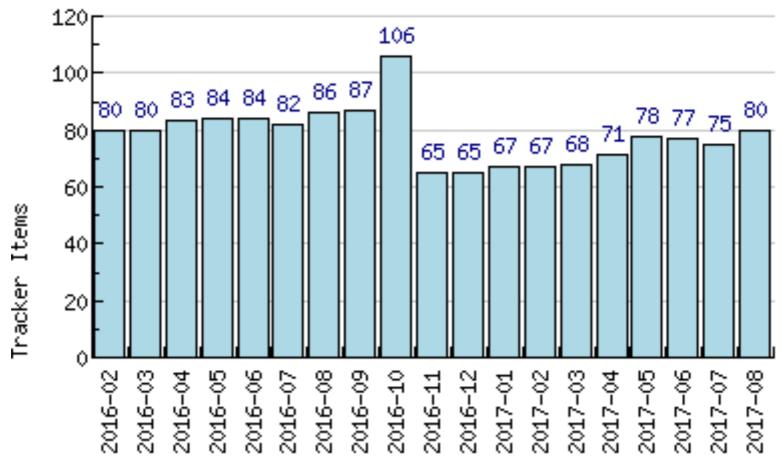
- Revised 235U from IAEA
- Pt evaluations from TENDL
- 100+ evaluations from TENDL+EMPIRE project



Committer	No. Commits	No. Files Changed	Focus
Mattoon	20	154	Isomers
Thompson	17	88	Charged particles
Conlin	1	1	NJOY formatting
Brown	45	149	New files (esp. TENDL+EMPIRE)
Kawano	7	12	Elastic cross sections >0
Quaglioni	1	6	Photonuclear
Lewis	36	342	Header issues
Wiarda	11	31	Covariance
White	0	0	Fission energy release
Neudecker	0	0	PFNS
Sobes	0	0	Covariance
Rochman	0	0	Platinum

We added trackers for issues we could not fix





- Lots of missing or mis-classified gammas (4 very big trackers)
- ¹⁵²Gd has duplicate resonances



"Alternative Metrics"

- Checking and processing codes don't have uniform criteria for errors (either what triggers then or what the message is), so meaningful regressions impossible...
- Banned from GForge twice!
- Overloaded ADVANCE, took ~ 1 week to catch up
- Page count in neutron release notes dropped ~15% while sublibrary size grew ~25%



Will require beta4.1 release in week following Hackathon