# Agenda

- EOS: data loss

- Extraction event times from SM and WR sources. Timeline matching

# EOS: data loss

```
$ ls -l time.txt

-rw-r--r-- 1 root baikalgvd 6472 Jun 21 15:24 time.txt

$ cat time.txt

/usr/bin/cat: time.txt: No such file or directory
```

# EOS uses FUSE (Filesystem in Userspace)

- Files are transferred over a few system calls (open, write, close)

- Therefore, the space UNDER those calls needs to be investigated

- However, what I was offered is to move all our stuff to another location so our ("potentially dangerous") soft residing ABOVE those syscalls "could be audited"

- As a result, the issue has been escalated to I. A.

# Extraction event times from SM and WR

- Affected by data corruption in EOS described above

- A lot of HW-specific issues unknown for me

  - Filtering rules for PPS

  - Non-obvious calculation of nanoseconds

  - Solar time shift

- The engine is done, and being tested upon real data now