Corrupted files in PrimEx PS skims /cache/halld/RunPeriod-2019-01/calib/ver01/PS

Sasha 9/23/2020

(the only skims produced for PrimEx)

Run 61321 (corrupted record)

```
File  Edit  View  Search  Terminal  Help
807.5k events read)  1.8kHz  (avg.: 1.6kHz)    ^M  808.2k events processed  (808.3k events read)  1.6kHz  (avg.: 1.6kHz)
    ^M  809.0k events processed  (809.1k events read)  1.5kHz  (avg.: 1.6kHz)    ^M  809.9k events processed  (810.0k event
s read)  1.8kHz  (avg.: 1.6kHz)    ^M  810.8k events processed  (810.8k events read)  1.7kHz  (avg.: 1.6kHz)    ^M  811.7
k events processed  (811.7k events read)  1.8kHz  (avg.: 1.6kHz)    ^M  812.5k events processed  (812.6k events read)  1.8
kHz  (avg.: 1.6kHz)    ^M  813.4k events processed  (813.5k events read)  1.8kHz  (avg.: 1.6kHz)    ^M  814.3k events pro
cessed  (814.3k events read)  1.7kHz  (avg.: 1.6kHz)    ^M  815.0k events processed  (815.1k events read)  1466.0Hz  (avg.
: 1.6kHz)    ^M  815.8k events processed  (815.9k events read)  1.7kHz  (avg.: 1.6kHz)    ^M  816.7k events processed  (8
16.8k events read)  1.7kHz  (avg.: 1.6kHz)    ^M  817.6k events processed  (817.6k events read)  1.7kHz  (avg.: 1.6kHz)
    ^M  818.3k events processed  (818.4k events read)  1466.0Hz  (avg.: 1.6kHz)    ^M  819.1k events processed  (819.1k even
ts read)  1.5kHz  (avg.: 1.6kHz)    ^M  819.9k events processed  (820.0k events read)  1.8kHz  (avg.: 1.6kHz)    ^M  820.
8k events processed  (820.9k events read)  1.7kHz  (avg.: 1.6kHz)    ^M  821.7k events processed  (821.7k events read)  1.
7kHz  (avg.: 1.6kHz)    ^M JANA ERROR>>
JANA ERROR>>?JException:      code = 0      text = WARNING: Bank length word exceeds valid words in buffer (5115906 > 955)
JANA ERROR>>906 > 955)
JANA ERROR>>Gries/DAQ/swap_bank.cc,  <81>^A^@^@^@^@^@x
JANA >>
JANA >>Telling all threads to quit ...
JANA >>
JANA >>
JANA >>No more event sources
JANA >>
JANA >>
JANA >>No more event sources
JANA >>
JANA >>No more event sources
JANA >>
JANA >>No more event sources
JANA >>
JANA >>
JANA >>
JANA >>No more event sources
JANA >>No more event sources
JANA >>
JANA >>
JANA >>No more event sources
:
```

```
File  Edit  View  Search  Terminal  Help
JANA >>Merging thread 12 (0x2b0c8c278700) ...
JANA >>Merging thread 13 (0x2b0c8e489700) ...
JANA >>Merging thread 14 (0x2b0c8c67a700) ...
JANA >>Merging thread 15 (0x2b0c8c077700) ...
JANA >>Merging thread 16 (0x2b0c8b672700) ...
JANA >>Merging thread 17 (0x2b0c8de86700) ...
JANA >>Merging thread 18 (0x2b0c8e087700) ...
JANA >>Merging thread 19 (0x2b0c8c479700) ...
JANA >>Merging thread 20 (0x2b0c8e88b700) ...
JANA >>Merging thread 21 (0x2b0c8c87b700) ...
JANA >>Merging thread 22 (0x2b0c8cc7d700) ...
JANA >>Merging thread 23 (0x2b0c8d682700) ...
JANA >>Merging thread 24 (0x2b0c8b873700) ...
JANA >>Merging thread 25 (0x2b0c8e288700) ...
JANA >>Merging thread 26 (0x2b0c8ca7c700) ...
JANA >>Merging thread 27 (0x2b0c8e68a700) ...

 EVIO Processing rate = 1588.06 Hz
   NDISPATCHER_STALLED =      441498 (85.3%)
       NPARSER_STALLED =       13013 ( 1.3%)
    NEVENTBUFF_STALLED =      846612 (163.6%)

 EVIO Statistics for /cache/halld/RunPeriod-2019-01/calib/ver01/PS/Run061321/hd_rawdata_061321_004.ps.evio :
 -----------------------
    Nblocks: 8222
    Nevents: 821873
    Nerrors: 0
 Nbad_blocks: 0
 Nbad_events: 0

 JANA >>Merging event reader thread ...
 JANA >> 821822 events processed  (821872 events read) Average rate: 1.6kHz

Closed ROOT file
Exit code: -1
JANA >>Closing shared object handle 0 ...
(END)
```

Run 61321 Newly produced (no errors)

```
File  Edit  View  Search  Terminal  Help
JANA >>Merging thread 1 (0x2ae6a1934700) ....
JANA >>Merging thread 2 (0x2ae6a2b3d700) ....
JANA >>Merging thread 3 (0x2ae718401700) ....
JANA >>Merging thread 4 (0x2ae6afe76700) ....
JANA >>Merging thread 5 (0x2ae6a1733700) ....
JANA >>Merging thread 6 (0x2ae6a253a700) ....
JANA >>Merging thread 7 (0x2ae6a3113700) ....
JANA >>Merging thread 8 (0x2ae6afa74700) ....
JANA >>Merging thread 9 (0x2ae6a3b18700) ....
JANA >>Merging thread 10 (0x2ae6a2138700) ....
JANA >>Merging thread 11 (0x2ae6a1532700) ....
JANA >>Merging thread 12 (0x2ae6a1f37700) ....
JANA >>Merging thread 13 (0x2ae6a3f1a700) ....
JANA >>Merging thread 14 (0x2ae6a1d36700) ....
JANA >>Merging thread 15 (0x2ae6a1b35700) ....
JANA >>Merging thread 16 (0x2ae6a2339700) ....
JANA >>Merging thread 17 (0x2ae6a273b700) ....
JANA >>Merging thread 18 (0x2ae6a293c700) ....
JANA >>Merging thread 19 (0x2ae6a3515700) ....
JANA >>Merging thread 20 (0x2ae6a3716700) ....
JANA >>Merging thread 21 (0x2ae6af672700) ....
JANA >>Merging thread 22 (0x2ae6a3314700) ....
JANA >>Merging thread 23 (0x2ae6a3d19700) ....
JANA >>Merging thread 24 (0x2ae718200700) ....
JANA >>Merging thread 25 (0x2ae6af471700) ....
JANA >>Merging thread 26 (0x2ae6af873700) ....
JANA >>Merging thread 27 (0x2ae6a3917700) ....
JANA >>Merging event reader thread ...
JANA >> 5357368 events processed  (5359434 events read) Average rate: 3.5kHz
Closed ROOT file
JANA >>Closing shared object handle 0 ...
(END)
```

Errors in parsing SYNC events (previously found and fixed)

Produce new PS and SYNC skims before next monitoring launch