

Runs to be rePiped and reprocessed

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Runs from May 31, 2021 onward (L1Proc-5.9), backward sorted

Run Number	Reason	Date	Time	Dls	L1Proc	GR version	rePipe	L1Proc
738549526	mergeEvt reports 7 missing datagrams in epu1. Gapfinder doesn't report a gap for the duration of this run.	2024-05-28		24052800[123]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✗	✗
736930436	mergeEvt reports 6 missing datagrams in epu0. Gapfinder doesn't report a gap for the duration of this run.	2024-05-09		24050900[89]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
730458995	240224011.mergeEvt ran twice, creating an incomplete evt file on the second try.	2024-02-24		24022401[01]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
729548905	Highly fragmented run. 91, 15, and 61 chunks. This requires task RePipe.	2024-02-14		24021400[345]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
727336262	mergeEvt reports 6 missing datagrams in epu1. Gapfinder doesn't report a gap for the duration of this run.	2024-01-19		240119003	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
727324474	mergeEvt reports missing datagrams at the end of epu1. Gapfinder doesn't report a gap for the duration of this run.	2024-01-19		240119002	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
726579387	mergeEvt reports 5 missing datagrams in epu1. Gapfinder doesn't report a gap for the duration of this run.	2024-01-10		24011000[78]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
726452942	mergeEvt reports missing datagrams at the end of epu1. Gapfinder doesn't report a gap for the duration of this run.	2024-01-09	00:29:01 - 01:41:00	240109004	L1Proc-5.9	GlastRelease-20-10-04-gr07	✗	✗
723956756	mergeEvt reports 6 missing datagrams in epu0. Gapfinder doesn't report a gap for the duration of this run.	2023-12-11	03:05:55 - 04:39:36	23121100[23]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
723939304	mergeEvt reports 5 missing datagrams in epu1. Gapfinder doesn't report a gap for the duration of this run.	2023-12-10	22:15:02 - 23:32:30	231211001	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
723865764	mergeEvt reports 6 missing datagrams in epu1. Gapfinder doesn't report any gaps.	2023-12-10		23121000[34]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
723665322	mergeEvt reports 6 missing datagrams in epu1. Gapfinder found a gap for this run and sent just one retransmit request.	2023-12-07	18:08:41 - 19:19:22	23120101[02]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
723103279	mergeEvt reports about 100 missing datagrams at the end of epu1. Gapfinder doesn't report any gaps.	2023-12-01		23120100[78]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
717719650	Dls 230929007 and 009 resulted from passes the FOT called "ratty". All run pieces in these dls were highly fragmented, and L1 didn't process them. Redumps were triggered, but only run 717708266 was completely filled in dl 230930008, 717713958 partially. Of the latter it's estimated that about half of the data are missing (1.2M events), while 717702333 (2.5M events) and 717719650 (2.7M events) should be almost filled.	2023-09-29		23093000[123], (? 230929009?)	L1Proc-5.9	GlastRelease-20-10-04-gr07	-	✓
717713958	UPDATE: rePipe didn't result in more merged events. The runs were finalized as is, i.e. with the gaps.	2023-09-29		230930008, (? 230929009?)	L1Proc-5.9	GlastRelease-20-10-04-gr07	-	✓
717702333		2023-09-29		230929008, 23093000[12], (? 230929007?)	L1Proc-5.9	GlastRelease-20-10-04-gr07	-	✓
710506750	mergeEvt reports 6 missing datagrams in epu0. Gapfinder doesn't report any gaps.	2023-07-08		23070800[89]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
709339013	somehow the xrootd scratch area vanished before cleanupCompleteRun. The run needs to be repiped from the HalfPipe.	2023-06-24	22:41:52 - 00:16:33 (+1)	23062500[12]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓

708257402	mergeEvt reports 8 missing datagrams in epu1. Gapfinder doesn't report any gaps.	2023-06-12		23031200[56]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
700230335	mergeEvt reports 5 missing datagrams in epu0. Gapfinder doesn't report any gaps.	2023-02-11		230311009	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
697691485	mergeEvt reports 7 missing datagrams in epu1.	2023-02-10		23021000[45]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
694642846	verify found a datagram gap. Actually already mergeEvt found this gap of 12 datagrams in epu1, but somehow the run was labeled as complete. A HalfPipe repipe leaves one missing datagram, decompression error. Finalized with one datagram gap.	2023-01-05		230105010, 230106001	L1Proc-5.9	GlastRelease-20-10-04-gr07	-	✓
693360593	003.mergeIndices failed and was processed last. When mergeEvt ran it didn't merge in the datagrams of 004.	2022-12-22		22122200[234]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
687193623	mergeReconChunks failed with a bus error but exit code 0. The merged recon file was not copied to xrootd but cleanupChunks removed all temporary files.	2022-10-11		22101101[123]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
687119520	mergeEvt reports 6 missing datagrams in epu0, gapfinder doesn't report any gaps.	2022-10-10		221010013	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
686035262	dl's 220928003 and 004 came in together. It was not possible to disentangle both. 220928003.mergeIndices fails.	2022-09-28		22092800[34]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✗	✗
68602????		2022-09-28		220928003	L1Proc-5.9	GlastRelease-20-10-04-gr07	✗	✗
686022685		2022-09-28		22092800[23]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✗	✗
685255472	mergeEvt reports 7 missing datagrams in epu0, gapfinder doesn't report any gaps.	2022-09-19		22091900[45]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
682569294	Aug 19 (PDT) there were issues with a faulty nfs disk. This run was merged badly.	2022-08-19	02:34:53 - 03:45:03	22081900[45]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
682556983	Aug 19 (PDT) there were issues with a faulty nfs disk. This run was merged badly.	2022-08-18	23:09:42 - 00:29:45 (+1)	22081900[34]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
680740571	mergeEvt reports 5 missing datagrams in epu1, gapfinder doesn't report any gaps.	2022-07-28	22:36:10 - 23:58:01	22072900[12]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
676577929	mergeEvt reports 5 missing datagrams in epu0, gapfinder doesn't report any gaps.	2022-06-10		22061001[01]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
675367448	mergeEvt reports 8 missing datagram in epu0, additionally verify finds 7 missing datagrams in epu1. However gapfinder doesn't report any gaps.	2022-05-27	18:04:07 - 19:28:29	220527012, 220528001	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
674884484	mergeEvt reports 1 missing datagram in epu1, gapfinder doesn't report any gaps. MakeEvt reports a decompression error, finalizing with one datagram gap.	2022-05-22		2205220[567]	L1Proc-5.9	GlastRelease-20-10-04-gr07	-	✓
674878528	mergeEvt reports several gaps with missing datagrams in epu1, gapfinder doesn't report any gaps. MakeEvt reports decompression errors, finalizing with 14 scattered datagram gaps.	2022-05-22		22052200[45]	L1Proc-5.9	GlastRelease-20-10-04-gr07	-	✓
674872543	mergeEvt reports several gaps with missing datagrams in epu1, gapfinder doesn't report any gaps. MakeEvt reports decompression errors, finalizing with 16 missing datagrams scattered over 14 gaps.	2022-05-22		22052200[34]	L1Proc-5.9	GlastRelease-20-10-04-gr07	-	✓
674052578	mergeEvt reports 5 missing datagrams in epu1, gapfinder doesn't report any gaps.	2022-05-12		220512010	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
671827689	verify reported missing data. Indeed also mergeEvt reports 5 missing datagrams in epu0, but somehow the run was labeled as complete.	2022-04-16		220416014	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
671754063	missing datagrams at the end of epu1. gapfinder doesn't report any gaps.	2022-04-16		22041600[23]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓
670363411	Dls 220331005 and 006 came in within the same second, and got mangled. 006 passed, but 005 fails at HalfPipe.mergeIndices. Needs to be repiped completely.	2022-03-31		22033100[25]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✗	✗
670357708	Dls 220331005 and 006 came in within the same second, and got mangled. 006 passed, but 005 fails at HalfPipe.mergeIndices. Needs to be repiped completely.	2022-03-31		22033100[345]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✗	✗
661643650	Highly fragmented run (138 chunks). Needs a "real" repipe.	2021-12-20	21:54:09 - 23:28:58	21122000[124]	L1Proc-5.9	GlastRelease-20-10-04-gr07	✓	✓

656744433	Fall-out of the 211024 hypervisor failure. EPU0 is complete but EPU1 has a gap of ~5000 datagrams. Roll back of HalfPipe didn't work! Repipe did. But there was a gap in the magic7 file second repipe	2021-10-24		211024 00[56]	L1Proc-5.9	GlastRelea se-20-10-04-gr07	✓	✓
649557766	Highly fragmented run (>400 chunks). Needs a "real" repipe.	2021-08-02		210802 00[234]	L1Proc-5.9	GlastRelea se-20-10-04-gr07	✓	✓
648918184	mergeEvt reports a gap of 5 datagrams in epu0. Gapfinder doesn't report any gaps.	2021-07-25	15:03: 03 - 16: 13:05	210725 01[01]	L1Proc-5.9	GlastRelea se-20-10-04-gr07	✓	✓
648862027	mergeEvt reports a gap of 5 datagrams in epu1. Gapfinder doesn't report any gaps.	2021-07-24	23:27: 06 - 00: 59:49 [+1]	210725 00[12]	L1Proc-5.9	GlastRelea se-20-10-04-gr07	✓	✓
645896054	One datagram in the inaccessible part of the SSR. The run will stay incomplete.	2021-06-20		210620 01[12]	L1Proc-5.9	GlastRelea se-20-10-04-gr07	-	✓
645331200	mergeEvt reports a gap of 9 datagrams in epu1. Gapfinder doesn't report any gaps.	2021-06-14		210614 00[34]	L1Proc-5.9	GlastRelea se-20-10-04-gr07	✓	✓
644150495	mergeEvt reports a gap of 9 datagrams in epu0. Gapfinder doesn't report any gaps.	2021-05-31		210531 00[78]	L1Proc-5.9	GlastRelea se-20-10-04-gr07	✓	✓

Runs from May 25, 2020 onward (L1Proc-5.7), backward sorted

Run Number	Reason	Date	Time	DIs	L1Proc	GR version	rePipe	L1Proc
640254671	mergeEvt reports a gap of 8 datagrams in epu1. Gapfinder doesn't report any gaps.	2021-04-16	08:31: 10-10: 06:00	21041 600 [78]	L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
637031869	mergeEvt reports a gap of 5 datagrams in epu1. Gapfinder doesn't report any gaps.	2021-03-10		21031 0003	L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
636598553	missing datagrams at the end of epu0. Gapfinder doesn't report any gaps.	2021-03-05		21030 5003	L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
635205107	Verify reports a datagram gap in epu1. Also none of the mergeEvt sees the run as complete. However somehow it got labeled "Complete" in L1Proc. Gapfinder doesn't report any gaps.	2021-02-16		21021 6015, 21021 7001	L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
633363581	One chunk has one event only. Roll-back of HalfPipe.210126012 reproduced the one-event chunk. A "real" repipe worked.	2021-01-26		21012 601 [23]	L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
632964783	Missing data from the inaccessible part of the SSR. The run will stay incomplete.	2021-01-21	23:33: 02-01: 07:56 (+1)	21012 200 [16]	L1Proc-5.7	GlastRelea se-20-10-04-gr02	-	✓
630962587	Verify reports a datagram gap in epu0. Also none of the mergeEvt sees the run as complete. However somehow it got labeled "Complete" in L1Proc. Gapfinder doesn't report any gaps.	2020-12-29		20122 901 [012]	L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
627448410	CAL FIFO overflow problem: digitization.201119003.627448410.3566554 fails with "3 CalDigs are missing readouts for Event: 4141638 Apid: 956 Event Index: 122309"	2020-11-19		20111 900 [34]	L1Proc-5.7	GlastRelea se-20-10-04-gr02	-	✓
626729954	Highly fragmented run (>66 chunks). doRun/scanXxx processes fail. Moreover it's spread over 7 deliveries.	2020-11-10	19:39: 13-21: 14:04	20111 001 [345], 20111 100 [1237]	L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
625160754	mergeEvt: 6 missing datagrams in apid 956, gapfinder doesn't report any gaps	2020-10-23		20102 3010	L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
624820000	switch from hequs to the bullets	2020-10-19						
624516636	mergeEvt: 6 missing datagrams in apid 956, gapfinder doesn't report any gaps	2020-10-16		20101 600 [45]	L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
623917505	mergeEvt: 7 missing datagrams in apid 956	2020-10-09	06:25: 04-08: 02:32	20100 9007	L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
622822397	mergeEvt: 5 missing datagrams in apid 957	2020-09-26	14:13: 16-15: 48:06	20092 601 [12]	L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
622211988	verify finds a gap of 3 datagrams in EPU0, and of 4 in EPU1	2020-09-19		20091 901 [02]	L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓

622149260	mergeEvt: 4 datagrams missing at the start of apid 956	2020-09-18	19:14:19-20:49:09	200919001	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
621835509	mergeEvt: incomplete apid 956, probably 7 datagrams missing at the end (apid 957 has 7 more)	2020-09-15		200915005	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
621824100	mergeEvt: 8 missing datagrams in apid 957	2020-09-15		200915003	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
621806986	mergeEvt: 6 missing datagrams in apid 957	2020-09-14		2009{14013, 15001}	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
621664373	mergeEvt: 1 non closed datagram at the end of apid 957, gapfinder: no datagram gaps for 2020-09-13	2020-09-13		200913004	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
621612709	mergeEvt: 5 missing datagrams in apid 957, gapfinder: no datagram gaps for 2020-09-12	2020-09-12	14:11:48-15:27:32	20091201[012]	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
621600789	mergeEvt: 5 missing datagrams in apid 957, gapfinder: no datagram gaps for 2020-09-12	2020-09-12	10:53:08-12:01:40	200912009	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
621435528	mergeEvt: 5 missing datagrams in apid 956, gapfinder: no datagram gaps for 2020-09-10	2020-09-10	12:58:47-14:10:30	20091001[01]	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
621236535	mergeEvt: 6 missing datagrams in apid 956, gapfinder: there was a gap an hour earlier, retransmitted	2020-09-08	05:42:14-07:17:04	20090800[56]	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
621081007	mergeEvt: 5 missing datagrams in apid 956, gapfinder: no gaps for this run	2020-09-06	10:30:06-11:43:23	200906010	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
620894265	Michael screwed it up by accidentally rolling back the finished doRun. 200904006.620894265	2020-09-04		20090400[67]	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
620460723	mergeEvt: 6 missing datagrams in apid 957, gapfinder: no gaps for 2020-08-30	2020-08-30	06:12:02-07:46:53	20083000[67]	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
620375156	missing datagrams	2020-08-29		200829007	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
620369451	caused 200829007.mergeIndices to fail because of an extra evt file. Repipe created identical evt files, thus L1Proc will not be rolled back, the run just needs to be finalized.	2020-08-29		20082900[67]	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
619313054	mergeEvt: >1400 missing datagrams in both apids at the beginning of the run, gapfinder: no gaps around midnight of 2020-08-30	2020-08-16	23:24:13-00:33:20	20081700[23]	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
618823233	mergeEvt: 6 missing datagrams in apid 956, gapfinder: no gaps for the morning of 2020-08-11	2020-08-11	07:20:32-08:36:42	20073000[68]	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
618805328	mergeEvt: 8 missing datagrams in apid 957, gapfinder: no gaps for the morning of 2020-08-11	2020-08-11	02:22:07-03:31:26	20081100[45]	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
617777656	mergeEvt reports 8 missing datagrams in apid 956, but gapfinder doesn't report any gaps for 2020-07-30	2020-07-30		20073000[45]	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
617190465	mergeEvt reports 8 missing datagrams in apid 957, but gapfinder doesn't report any gaps for 2020-07-23	2020-07-23		200723007	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
615811484	mergeEvt reports 6 missing datagrams, but gapfinder doesn't report any gaps	2020-07-07	10:44:43-12:19:34	2007070{09,10}	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
615599718	mergeEvt reports 6 missing datagrams, but gapfinder doesn't report any gaps	2020-07-04	04 23:55-17:05 01:06:34	20070500[23]	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
615508121	one digitization fails: "... 2 CalDigis are missing readouts for Event ...".	2020-07-03	22:28:40-23:37:33	20070314, 200704001	L1Proc-5.7	GlastRelease-20-10-04-gr02	-	✓
615073887	missing datagrams. Gapfinder doesn't report any gaps for the evening of 2020-06-28.	2020-06-28	21:51:26-23:06:42	20062900[12]	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
614967205	mergeEvt reports 6 data gaps in apid 957. Gapfinder doesn't report any gaps 2020-06-27.	2020-06-27	16:13:24-17:48:15	20062701[23]	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
614162399	mergeEvt reports 5 datagaps in apid 956. However gapfinder doesn't find any gaps.	2020-06-18		20061800[89]	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓

612445752	The run had data gaps, which were supposed to be filled by a redump. Unfortunately one piece was in the inaccessible part of the SSR. The run will stay incomplete.	2020-05-29		20052 900 [89]	L1Proc-5.7	GlastRelease-20-10-04-gr02	-	✓
612183340	HalfPipe labels the run as "Incomplete". MergeEvt reports missing datagrams. There were several data gaps 2020-05-26. At least some were filled.	2020-05-26	10:55: 39-12: 30:30	20052 6007, 20052 700 [125]	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
612171931	HalfPipe labels the run as "Incomplete". MergeEvt reports missing datagrams. There were several data gaps 2020-05-26. At least some were filled.	2020-05-26	07:45: 30-09: 20:21	20052 600 [567], 20052 7001	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
612166226	HalfPipe labeled this run as "Incomplete". MergeEvt said it's complete. However when repiping 200526005 (for 612171931) mergeIndices relabeled it, and failed with an error message hinting to this run. MK: the error was due to an evt file with slight different name. However, rolling back the HalfPipes resulted in exactly the same evt file contents. Thus, I didn't roll back L1Proc.	2020-05-26	06:10: 25-07: 14:16	20052 600 [45]	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
611880377	HalfPipe labels the run as "Incomplete". MergeEvt reports missing datagrams. Gapfinder doesn't report a gap for the duration of the run.	2020-05-22	22:46: 16-23: 58:37	20052 2015, 20052 300 [12]	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓

Runs from December 2018 onward (L1Proc-5.7)

Run Number	Reason	Date	Time	Dls	L1Proc	GR version	rePipe	L1Proc
565721985	Botched attempt at a repipe, repiped and marked as Complete	2018-12-05			L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
565942990	stuck "in progress", repiped and marked as Complete	2018-12-08			L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
566022500	HP "in progress", repiped and marked as Complete	2018-12-09			L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
566235626	HP "in progress", repiped and marked as Complete	2018-12-11			L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
567301141	stuck "in progress", repiped and marked as Complete	2018-12-23			L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
567598970	Missing Data - Delivery 181227007 couldn't be dispatched - Marked as Incomplete and finalized.	2018-12-27			L1Proc-5.7	GlastRelease-20-10-04-gr02	✗	✓
567581889	Missing Data - Delivery 181227007 couldn't be dispatched - Marked as Incomplete and finalized.	2018-12-27			L1Proc-5.7	GlastRelease-20-10-04-gr02	✗	✓
569069307	in progress and errors about missing datagrams (MK: update: data complete but no recon). MEM: rolled back checkRun and finalized.	2019-01-13		010 011	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
569213577	in progress and errors about missing datagrams (MK: update: data complete but no recon). MEM: rolled back checkRun and finalized.	2019-01-15		006 007	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
572617673	HP "in progress", repiped and marked as Complete	2019-02-23			L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
572853518	stuck "in progress". Leftover chunkToken. Fixed.	2019-02-26			L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
574781844	"in progress", incomplete data, missing datagrams	2019-03-20			L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
575044322	"in progress", incomplete data, missing datagrams (MK: update: stat is InProgress, no recon file in db). MEM: apparently the halfPipe was rolled back after run was already reprocessed. Re-set as Complete and finalized.	2019-03-23		013 014	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
575762229	"in progress", incomplete data, missing datagrams	2019-03-31			L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
576305031	Run was terminated by the "LAT configuration corruption" event. Marked as Incomplete and finalized.	2019-04-07			L1Proc-5.7	GlastRelease-20-10-04-gr02	✗	✓
576658880	"in progress", incomplete data	2019-04-11			L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
578530168	corrupted data in monitoring	2019-05-02			L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓

580907445	in progress, mergeIndices reports 5 missing datagrams	2019-05-30			L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
582073028	in progress, mergeIndices reports missing datagrams	2019-06-13			L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
584730839	in progress, complete data, missing datagrams	2019-07-13			L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
585187986	This was actually complete. A botched rollback of halfPipe (190719003) produced leftover chunkTokens. Set to Complete and finalized.	2019-07-19			L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
585193691	Both halfPipe and RePipe failed at delivering a complete set of data (this included a botched rollback of halfPipe 190719003). Set to Incomplete (due to 11 missing datagrams) and finalized.	2019-07-19			L1Proc-5.7	GlastRelea se-20-10-04-gr02	✗	✓
585535991	in progress, complete data, missing datagrams	2019-07-23			L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
585690096	in progress, missing datagrams	2019-07-24			L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
586076888	see thread . However it seems the recon file is complete. Reprocessing complete. Everything seems to have worked including the cleanupCompleteRun process.	2019-07-29			L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
586893790	bunch of tasks in "Waiting" state preventing a rollback. Once that is cleared a rollback should hopefully fix everything	2019-08-07			L1Proc-5.7	GlastRelea se-20-10-04-gr02	N/A	✓
586905200	see thread . Seems the run is complete and can be just finalized. After checking, I've finalized this run as it looks fine. TS. MEM: same as 588742217, run was *not* finalized. 1. remove chunktokens as needed, 2. rollback checkRun, 3. make sure that cleanupCompleteRun is executed and recon file is merged. This is fine now.	2019-08-07			L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
587042253	Several failed tasks with errors of the form: "IOError: Can't stage in <filename>". Looks like it was an xrootd hiccup. Will try rolling back but since it's so old, it will probably require a repipe. Rollback worked now complete	2019-08-09 12:46			L1Proc-5.7	GlastRelea se-20-10-04-gr02	N/A	✓
587104373	This one just looks like cleanupCompleteRun didn't run properly as everything else in both parts of the runs was listed as success. There is a chunk token directory but no token. However, the verify log complains about closing reasons for both EUP0 and EPU1. I'm think that means we need to repipe everything.	2019-08-10 6:54			L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
588742217	Run is incomplete according to the halfPipe. TS: I think this is okay as I don't see any errors in the verify log. MEM: run wasn't finalized because of leftover chunktokens. Please make sure that cleanupCompleteRun is executed before claiming success. This is fine now.	2019-08-29			L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
590065315	Run still Incomplete in L1. Looks like cleanupCompleteRun didn't get triggered.	2019-09-13			L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
591931054	failure in checkRun 191005003.591931054. 2 missing datagram.	2019-10-05			L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
595240349	9 missing datagrams	2019-11-12			L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
595405654	missing datagrams	2019-11-14			L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
595576882	missing datagrams. In progress	2019-11-16			L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
595963106	Missing datagrams due to decompression errors- Both halfPipe and rePipe report 6789 orphans (which translate to 53 missing datagrams). Set to Incomplete and finalized.	2019-11-20	17:18:24 - 18:32:18	191120013 191121001	L1Proc-5.7	GlastRelea se-20-10-04-gr02	✗	✓
596299562	HalfPipe reports "InProgress", gapfinder doesn't report any data gaps for 2019-11-24 21:30-24:00	2019-11-24	14:46:00 - 16:01:21	191124009	L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
596916997	missing datagrams	2019-12-01			L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
597315084	HalfPipe reports "InProgress", gapfinder doesn't report any data gaps for 2019-12-06 05:00-14:00	2019-12-06	08:51:23 - 10:06:10	191206009010	L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
598223809	HalfPipe reports "InProgress", missing datagrams, gapfinder doesn't report any data gaps for 2019-12-16	2019-12-16	21:16:48 - 22:51:39	191217001002	L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
598581385	HalfPipe reports "InProgress", missing datagrams, gapfinder doesn't report any data gaps for 2019-12-21	2019-12-21	00:36:24 - 01:53:08	191221003	L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓
598645966	HalfPipe reports "InProgress", missing datagrams, gapfinder doesn't report any data gaps for 2019-12-21	2019-12-21	18:32:45 - 20:07:36	191221009	L1Proc-5.7	GlastRelea se-20-10-04-gr02	✓	✓

598758794	HalfPipe reports "InProgress"	2019-12-23	05:39:57 - 08:44:23	191223003004	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
599272563	HalfPipe reports "InProgress". Datagram errors	2019-12-29	2:22:25 - 4:58:04	191229002003	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
599746995	HalfPipe reports "InProgress", missing datagrams, gapfinder doesn't report any data gaps for 2020-01-03	2020-01-03	12:23:14 - 13:58:05	200103009010011	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
599809968	HalfPipe reports "InProgress", missing datagrams, gapfinder doesn't report any data gaps for 2020-01-04	2020-01-04	05:52:47 - 07:14:52	200103009010011	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
600328891	HalfPipe reports "InProgress". Datagram errors	2020-01-10	10:43:13	200110005	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
601777922	HalfPipe reports "InProgress", but mergeEvt doesn't report any datagram errors! Gapfinder doesn't report any data gaps for 2020-01-27.	2020-01-27	02:07:06 - 03:41:57	200127002003004	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
601783627	HalfPipe reports "InProgress". Missing datagrams. Gapfinder doesn't report any data gaps for 2020-01-27.	2020-01-27	00:32:01 - 02:06:55	200127004005006	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
601890911	HalfPipe reports "InProgress". Missing datagrams. Gapfinder doesn't report any data gaps for the morning of 2020-01-28.	2020-01-28	07:55:10 - 09:04:44	200128006008	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
602153762	HalfPipe reports "InProgress". Missing datagrams. Gapfinder doesn't report any data gaps for 2020-01-31. No decompression errors in makeEvt.	2020-01-31	08:56:01 - 10:07:38	200131007	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
603637679	HalfPipe reports "InProgress". Missing datagrams. Gapfinder doesn't report any data gaps for 2020-02-17. No decompression errors in makeEvt.	2020-02-17	13:07:57 - 14:42:49	200217009010	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
603974262	Run is complete. mergeEvt.200221009.603974262 reports 6 missing datagrams. gapfinder doesn't report any data gaps for the time interval.	2020-02-21	10:37:41 - 12:12:31	200221009	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
604573262	HalfPipe reports "InProgress". Missing datagrams. Gapfinder doesn't report any data gaps for 2020-02-28.	2020-02-28	09:01:01 - 10:35:52	200228008 - 009	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
605908182	HalfPipe reports "InProgress". Missing datagrams. Gapfinder doesn't report any data gaps for 2020-03-15.	2020-03-15	19:49:41 - 21:24:31	200315002	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
607059914	Highly fragmented run (231 chunks). doRun/scanXxx processes fail.	2020-03-28		200328005, 006, 008	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
609843485	HalfPipe reports "InProgress". Gapfinder doesn't report any data gaps of 2020-04-29.	2020-04-29		200429007	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
610323623	mergeIndices labeled this run as Incomplete, but mergeEvt as Complete! MK: Repipe resulted in the same chunks. Checking the old merit file didn't reveal any gaps within the run. Thus I relabeled the run to "Complete" and rolled-back checkRun.	2020-05-05		200505001, 002	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
610711547	mergeEvt reports missing datagrams. Gapfinder doesn't report any data gaps for 2020-05-09.	2020-05-09	10:05:46 - 11:23:53	200509008, 009	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
610791211	HalfPipe labels the run as Incomplete, mergeEvt reports missing datagrams. Gapfinder doesn't report any data gaps for 2020-05-10.	2020-05-10	08:13:30 - 09:30:17	200510006, 007	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
610968381	mergeEvt reports missing datagrams	2020-05-12		200512007, 008	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
610996774	mergeEvt reports missing datagrams	2020-05-12		200512014, 015	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
611162210	mergeEvt reports missing datagrams	2020-05-14		200514011, 012	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓
611782769	HalfPipe labels the run as "Incomplete". MergeEvt reports missing datagrams. Gapfinder only reports a gap after 21:19.	2020-05-21	19:39:28 - 20:50:13	200521001	L1Proc-5.7	GlastRelease-20-10-04-gr02	✓	✓

How to use the RePipe facility

/afs/slac/g/glast/ground/bin/pipeline createStream --define "downlinkID=990101001,runID=237063408" RePipe
 /nfs/farm/g/glast/u28/RePipe/990101001 will contain the RePiped output (should this have a --stream <run number> flag in the command for clarity in the monitoring pages?)

if you set an environment variable, rn, to the run number (i.e. `setenv rn <run number>`) you can do the following command to start the repipe and have the output in the format expected for the instruction linked to below.

```
afs/slac/g/glast/ground/bin/pipeline createStream --stream $rn --define "downlinkID=$rn,runID=$rn" RePipe
```

More details: [Instructions for rolling back a halfPipe stream and subsequent L1 stream](#) and [Reprocessing runs from a RePiped job](#)

Runs before December 2018 but after July 27 2011 (L1Proc-5.6 and earlier)

Run Number	Reason	Date	L1Proc	GR version	rePipe	L1 (Re) Proc	Export
369152685	ACQ Complete, L1 not finalized. Fixed in P300x.	2012-09-12	L1Proc-4.0	GR-17-35-24-gr35	✓	4.0 ✓	✓
478706331	ACQ Complete, L1 not finalized. Fixed in P300x.	2016-03-03	L1Proc-5.4	GR-20-10-02	✓	5.4 ✓	✓
478756313	ACQ Complete, L1 not finalized. Fixed in P300x.	2016-03-04	L1Proc-5.4	GR-20-10-02	✓	5.4 ✓	✓
504919670	Leap Second Run. Set to Incomplete and finalized.	2016-12-31	L1Proc-5.6	GR-20-10-04-gr01	✗	5.6 ✓	✓
508046861	ACQ InProgress. Repiped and reprocessed.	2017-02-09	L1Proc-5.6	GR-20-10-04-gr01	✓	5.7 ✓	✓
512115535	ACQ Complete, L1 Complete/Failed. Fixed in P300x.	2017-03-25	L1Proc-5.6	GR-20-10-04-gr01	✓	5.6 ✓	✓
516617903	ACQ Complete, L1 Complete/Failed. Fixed in P300x.	2017-05-16	L1Proc-5.6	GR-20-10-04-gr01	✓	5.6 ✓	✓
531419768	ACQ Complete, L1 Complete , recon on xrootd (root://fermi-gpfs05//glast/Data/Flight/Level1/LPA/prod/5.6/recon/r0531419768_v000_recon.root) but not in datacat. Run was reprocessed correctly in P300x. No follow-up needed.	2017-11-03	L1Proc-5.6	GR-20-10-04-gr01	✓	5.6 ✓	✓
534500370	ACQ Complete, L1 Complete/Failed. Fixed in P300x.	2017-12-09	L1Proc-5.6	GR-20-10-04-gr01	✓	5.6 ✓	✓
549415721	ACQ Complete, L1 Complete , recon on xrootd (root://fermi-gpfs05//glast/Data/Flight/Level1/LPA/prod/5.6/recon/r0549415721_v000_recon.root) but not in datacat. Run was reprocessed correctly in P300x. No follow-up needed.	2018-05-31	L1Proc-5.6	GR-20-10-04-gr01	✓	5.6 ✓	✓
553318321	ACQ Complete, L1 Failed. Repiped and reprocessed.	2018-07-16	L1Proc-5.6	GR-20-10-04-gr01	✓	5.7 ✓	✓
554179852	ACQ Complete, L1 Failed. Repiped and reprocessed.	2018-07-25	L1Proc-5.6	GR-20-10-04-gr01	✓	5.7 ✓	✓
554396875	ACQ Complete, cleanupCompleteRun.getTimes terminated by reaper. Run was reprocessed correctly in P300x. No follow-up needed.	2018-07-27	L1Proc-5.6	GR-20-10-04-gr01	✓	5.6 ✓	✓
555737292	ACQ Complete, L1 InProgress. Finalized.	2018-08-12	L1Proc-5.6	GR-20-10-04-gr01	✓	5.6 ✓	✓
557026900	ACQ Complete, L1 InProgress. Finalized.	2018-08-27	L1Proc-5.6	GR-20-10-04-gr01	✓	5.6 ✓	✓
559965007	Truncated Run. Set to Incomplete and finalized.	2018-09-30	L1Proc-5.6	GR-20-10-04-gr01	✗	5.6 ✓	✓
562253064	Missing Data. Set to Incomplete and finalized. Missing data sent by MOC 9/24/19, reprocessed with 5.7 - versions numbers generated are less than the v305 version from the reprocessing so ingest is not happening at the FSSC. File version edited by hand and re-exported.	2018-10-26	L1Proc-5.6	GR-20-10-04-gr01	✓	5.7 ✓	✓
562258990	This run was missing entirely. Retrieved by MOC 9/24/19 and reprocessed with 5.7.	2018-10-26	L1Proc-5.6	GR-20-10-04-gr01	✓	5.7 ✓	✓
562264544	Missing Data. Set to Incomplete and finalized. Missing data sent by MOC 9/24/19, reprocessed with 5.7 - versions numbers generated are less than the v305 version from the reprocessing so ingest is not happening at the FSSC. File version edited by hand and re-exported.	2018-10-27	L1Proc-5.6	GR-20-10-04-gr01	✓	5.7 ✓	✓
564602913	Repiped, reprocessed with 5.7, re-exported.	2018-11-22	L1Proc-5.6	GR-20-10-04-gr01	✓	5.7 ✓	✓

Runs from LEO through 2009

Run Number	Reason	Date	FSW	L1Proc	GR version	rePipe	L1Proc
237911263	silent NFS read error	2008-07-16	B1-0-8	L1Proc-1.63	Version-v15r39	✓	✓
237916725	silent NFS read error	2008-07-16	B1-0-8	L1Proc-1.63	Version-v15r39	✓	✓
238008393	silent NFS read error	2008-07-17	B1-0-8	L1Proc-1.63	Version-v15r39	✓	✓
238014123	silent NFS read error	2008-07-17	B1-0-8	L1Proc-1.61	Version-v15r24	✓	✗
238207772	silent NFS read error	2008-07-20	B1-0-8	L1Proc-1.61	Version-v15r24	✓	✗
238759073	silent NFS read error	2008-07-26	B1-0-8	L1Proc-1.61	Version-v15r24	✓	✗

238856333	silent NFS read error	2008-07-26	B1-0-8	L1Proc-1.61	Version-v15r24	✓	✗
239125611	silent NFS read error	2008-07-30	B1-0-8	L1Proc-1.61	Version-v15r24	✓	✗
239129222	silent NFS read error	2008-07-30	B1-0-8	L1Proc-1.61	Version-v15r24	✓	✗
241125159	1 missing Datagram	2008-08-22	B1-1-0	L1Proc-1.63	Version-v15r39	✗	✗
241491796	missing chunk in in gcr	2008-08-27	B1-1-0	L1Proc-1.63	Version-v15r39	✗	✗
241501554	1 missing Datagram	2008-08-27	B1-1-0	L1Proc-1.63	Version-v15r39	✗	✗
243170470	afs cache corruption?	2008-09-15	B1-1-0	L1Proc-1.65	Version-v15r40	✗	✗
243197713	afs cache corruption?	2008-09-15	B1-1-0	L1Proc-1.65	Version-v15r40	✗	✗
243307762	2 missing Datagrams	2008-09-17	B1-1-0	L1Proc-1.65	Version-v15r40	✗	✗
243313738	2 missing Datagrams	2008-09-17	B1-1-0	L1Proc-1.65	Version-v15r40	✗	✗
243336617	afs cache corruption?	2008-09-17	B1-1-0	L1Proc-1.65	Version-v15r40	✗	✗
243491490	4 missing Datagrams	2008-09-19	B1-1-0	L1Proc-1.65	Version-v15r40	✗	✗
243873727	afs cache corruption?	2008-09-23	B1-1-0	L1Proc-1.65	Version-v15r40	✗	✗
243926731	afs cache corruption?	2008-09-24	B1-1-0	L1Proc-1.65	Version-v15r40	✗	✗
244143826	afs cache corruption?	2008-09-26	B1-1-0	L1Proc-1.65	Version-v15r40	✗	✗
244167563	afs cache corruption?	2008-09-27	B1-1-0	L1Proc-1.65	Version-v15r40	✗	✗
245667862	irretrievable packets missing from two datagrams	2008-10-14	B1-1-3	L1Proc-1.67	Version-v15r47p1	✗	✗
245673843	This one was complete, but a retransmission changed its status	2008-10-14	B1-1-3	L1Proc-1.67	Version-v15r47p1	✓	✓
245685781	all packets available; repiping will produce complete data-set	2008-10-14	B1-1-3	L1Proc-1.69	Version-v15r47p1	✓	✓
245691461	all packets available; repiping will produce complete data-set	2008-10-14	B1-1-3	L1Proc-1.67	Version-v15r47p1	✓	✓
245697061	This one was already complete	2008-10-14	B1-1-3	L1Proc-1.67	Version-v15r47p1	✓	✓
245702790	irretrievable packet missing from one datagram	2008-10-14	B1-1-3	L1Proc-1.67	Version-v15r47p1	✗	✗
246390295	Merging problems	2008-10-22	B1-1-3	L1Proc-1.68	Version-v15r47p1	✓	✓
246405636	Merging problems	2008-10-22	B1-1-3	L1Proc-1.68	Version-v15r47p1	✓	✓
246447791	Merging problems	2008-10-23	B1-1-3	L1Proc-1.68	Version-v15r47p1	✓	✓
253539991	Delivery problems ?	2009-01-13	B1-1-3	L1Proc-1.70	Version-v15r47p1	✓	✓
260478011	1 Missing datagram ???	2009-04-03	B1-1-3	L1Proc-1.72	Version-v15r47p7	✓	✓
261148032	Insane number of chunks	2009-04-11	B1-1-3	L1Proc-1.72	Version-v15r47p7	✓	✓
261154012	Insane number of chunks	2009-04-11	B1-1-3	L1Proc-1.72	Version-v15r47p7	✓	✓
261406015	1 Missing datagram ???	2009-04-11	B1-1-3	L1Proc-1.72	Version-v15r47p7	✓	✓
269048825	Silent staging failures	2009-07-12	B1-1-3	L1Proc-1.73	Version-v15r47p7	✓	✓
269054554	Silent staging failures	2009-07-12	B1-1-3	L1Proc-1.73	Version-v15r47p7	✓	✓
269060283	Silent staging failures	2009-07-12	B1-1-3	L1Proc-1.73	Version-v15r47p7	✓	✓
269066012	Silent staging failures	2009-07-12	B1-1-3	L1Proc-1.73	Version-v15r47p7	✓	✓
269071741	Silent staging failures	2009-07-12	B1-1-3	L1Proc-1.73	Version-v15r47p7	✓	✓
269075743	Silent staging failures	2009-07-12	B1-1-3	L1Proc-1.73	Version-v15r47p7	✓	✓
269081879	Silent staging failures	2009-07-12	B1-1-3	L1Proc-1.73	Version-v15r47p7	✓	✓
269087937	Silent staging failures	2009-07-12	B1-1-3	L1Proc-1.73	Version-v15r47p7	✓	✓
269093942	Silent staging failures	2009-07-12	B1-1-3	L1Proc-1.73	Version-v15r47p7	✓	✓
269099929	Silent staging failures	2009-07-12	B1-1-3	L1Proc-1.73	Version-v15r47p7	✓	✓
272627642	1 bad event (seg fault)	2009-08-22	B1-1-3	L1Proc-1.75	Version-v15r47p12	✓	✓