

Calibration data taking at XFEL

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Short version of memory cell data structure:

[For the long version, look here.](#)

Without VETO:

Data taken in:	Data found in:
September - October	every 8th cell
November - December	every 4th cell

The first image should appear in memory cell:

Data taken in:	First image in memcell index:
September - October	4
November - December	2

With VETO:

Data taken in:	Data found in:
September - October	every 4th cell
November - December	every 2nd cell

The first image should appear in memory cell:

Data taken in:	First image in memcell index:
September - October	4
November - December	2

Data format

Data taken in:		Remark
March 2018 - now	separation between DAQ and Acquisition	removed last and added count in INDEX
?-November 2017 - March 2018	non-interleaved (AAAADDDD)	Data taken on 8. Nov (pcdrs) oldest checked so far
Septemper 2017 -?	interleaved (ADADAD)	exact date has to be determined yet

Beamtime p002012

Dark

Time	run number (high,medium,low)	Location	Remark	Sanity Checks	#pulses	#trains
29 Mar 2018, 02:32	189, 190, 191	p002012				

Beamtime p900019

Dark

Time	run number (high,medium,low)	Location	Remark	Sanity Checks	#pulses	#trains
04 Mar 2018, 13:07	447, 448, 449	p900019				
	470, 471, 472	p900019		470: shifting: [0 0 0 0 0 0 0 0 8 8 8 8 8 8 8 8] 471: shifting: [4 4 4 4 4 4 4 4 0 0 0 0 0 0 0 0] 472: shifting: [0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1]		
20 Mar 2018, 11:08	474, 476, 477	p900019				
22 Mar 2018, 10:14	483, 484, 485	p900019				
	498, 499, 500	p900019				
	510, 511, 512	p900019				
24 Mar 2018, 19:14	590, 591, 592	p900019				
25 Mar 2018, 18:34	595, 596, 597	p900019				
26 Mar 2018, 09:59	614, 615, 616	p900019				

Pcdrs

Time	run number	Location	Remark	Sanity Checks	#pulses	#trains
10 MAR 2018, 10:54	459, 460, 463, 464, 465, 466, 467, 468	p900019	run 461 and r462 DAQ problems, not all modules			

Xray

Time	run number	Location	Remark	Sanity Checks	#pulses	#trains
22 Mar 2018, 10:14	488	p900019				
	489	p900019				
	490	p900019				
	491	p900019				
	494	p900019				
	495	p900019				
	496	p900019				
	497	p900019				

	501	p900019				
	502	p900019				
	503	p900019				
	504	p900019				
	508	p900019				
	509	p900019				

LiTi

Time	run number	Location	Remark	Sanity Checks	#pulses	#trains
24 Mar 2018, 19:14	589	p900019				
	593	p900019				
	594	p900019				
25 Mar 2018, 18:34	599	p900019				
	600	p900019				
	601	p900019				
	602	p900019				
	603	p900019				
	604	p900019				
	605	p900019				
	606	p900019				
	607	p900019				
	608	p900019				
	609	p900019				
	610	p900019				
	611	p900019				
	612	p900019				
	613	p900019				

Beamtime p002042

Dark

Time	run number (high, medium, low)	Location	Remark	Sanity Checks	#pulses	#trains
10 MAR 2018, 10:54	437, 438, 439	p002042	gate valve open, but attenuators in, might be useless			
	442, 443, 444	p002042				
11 MAR 2018, 09:13	460, 461, 464	p002042				
12 MAR 2018, 08:44	465, 468, 467	p002042				
12 MAR 2018, 17:44	476, 478, 789	p002042				

Xray

Time	run number	Location	Remark	Sanity Checks	#pulses	#trains
10 MAR 2018, 10:54	441	p002042	E=9.21 keV, ~ 900mJ, 30 pulses at 1.1 Mhz, downstream position, T=100% , sample: oil jet, detector distance: -1000			
	445	p002042	E=9.21 keV, ~ 900mJ, 30 pulses at 1.1 Mhz, downstream position, T=100% , sample: PS1, detector distance: -1000			
12 Mar 2018, 17:00	480	p002042	run aborted as beam went down, droplets forming, crystals observed in droplets			

481	p002042	run aborted as beam went down, droplets forming, crystals observed in droplets			
482	p002042	included SIDEMIC_CAM in data			
483	p002042				
484	p002042				
485	p002042				
486	p002042				
487	p002042				
488	p002042	aborted run after 3/4 of the time			
489	p002042	aborted after 90% of time			
490	p002042	aborted after 1/2 as there was stuff on the nozzle tip			
491	p002042				
492	p002042				
493	p002042				
494	p002042				
495	p002042				
496	p002042				
497	p002042				
498	p002042				
499	p002042				
500	p002042				
501	p002042				
502	p002042				
503	p002042				

Beamtime p900019

Dark

Time	run number (high,medium, low)	Location	Remark	Sanity Checks	#pulses	#trains
Mo Feb 26 2018, 13:47	091, 092, 093	p900019				
	103, 104, 105	p900019		103: shifting: [0 0 0 0 0 0 0 0 0 0 0 0 0 0 1]		
	131, 132, 133	p900019				
04 Mar 2018, 02:20	261, 262, 263	p900019		263: missing trainids in ch 6 + trainid shifting between moduls		
	320, 321, 322	p900019		321: missing trainids in ch 0 + trainid shifting between moduls		
	324, 325, 326	p900019				
	345, 346, 349	p900019		345: missing trainids in ch 5, 10 and 14 + trainid shifting between moduls		
05 Mar 2018, 21:43	352, 353, 354	p900019		353: not migrated 354: missing trainids in ch 2, 9 and 10 + trainid shifting between moduls		
	386, 387, 388	p900019				
08 MAR 2018, 08:12	408, 410, 411	p900019				
08 Mar 2018, 12:35	415, 416, 419	p900019				

Pcdrs

Time	run number	Location	Remark	Sanity Checks	#pulses	#trains
Mo Feb 26 2018, 13:47	122, 123, 124, 125, 126, 127, 128, 129	p900019				

Xray

Time	run number	Location	Remark	Sanity Checks	#pulses	#trains
08 MAR 2018, 08:12	399	p900019				
	400	p900019				
	401	p900019				
	402	p900019				
	403	p900019				
	404	p900019				
	405	p900019				
	406	p900019				
08 Mar 2018, 12:35	420	p900019	lysozyme, nozzle event in the end			
	421	p900019	water			
	425	p900019	lysozyme			
	426	p900019	lysozyme			
	427	p900019	lysozyme			
	428	p900019	lysozyme			
	429	p900019	lysozyme			
	430	p900019	lysozyme			
	431	p900019	lysozyme			
	432	p900019	lysozyme			
	433	p900019	lysozyme			
	434	p900019	lysozyme			

LiTi

Time	run number	Location	Remark	Sanity Checks	#pulses	#trains
04 Mar 2018, 02:20	257	p900019				
	258	p900019				
	259	p900019				
	260	p900019				
	264	p900019				
	265	p900019				
	333	p900019				
	335	p900019				
	337	p900019				
	338	p900019				
	339	p900019				
	340	p900019				
	341	p900019				
	342	p900019				
	343	p900019				
	344	p900019				
	05 Mar 2018, 21:43	376	p900019			
377		p900019				
378		p900019				
379		p900019				
383		p900019				
	384	p900019				

Beamtime p002013

Dark

Time	run number (high,medium,low)	Location	Remark	Sanity Checks	#pulses	#trains
Thu Nov 30 18:32:39 2017	030, 031, 210	p002013				
	059, 060, 061	p002013				
get from the elog						

Xray

Time	run number (high,medium,low)	Location	Remark	Sanity Checks	#pulses	#trains
get from the elog						

Beamtime p002066

Dark

Time	run number (high,medium,low)	Location	Remark	Sanity Checks	#pulses	#trains
Thu Nov 23 19:58:49 2017	004, 005, 006	p002066				
	016, 017, 018	p002066				
Sat Nov 25 07:49:12 2017	025, 026, 027	p002066				
	037, 038, 039	p002066				
Sat Nov 25 08:19:49 2017	102, 103, 105	p002066				
	205, 206, 207	p002066				
Sun Nov 26 08:08:47 2017	208, 209, 210	p002066				
	238, 239, 240	p002066				
	328, 329, 330	p002066	partial slow data, no slow data			

LiTi

Time	run number	Location	Remark	Sanity Checks	#pulses	#trains
Thu Nov 23 19:58:49 2017	007	p002066	delay:1941789 from here onwards			
	008	p002066				
	009	p002066				
	010	p002066				
	011	p002066	beam lost in-between			
	012	p002066	sample lost			
	013	p002066				
	014	p002066				
	015	p002066				
Sat Nov 25 07:49:12 2017	028	p002066				
	029	p002066				
	030	p002066				
	031	p002066				
	033	p002066				
	034	p002066				

	035	p002066				
	036	p002066				
Sat Nov 25 08:19:49 2017	106	p002066				
	107	p002066				
	108	p002066				
	109	p002066				
	110	p002066				
	111	p002066				
Sun Nov 26 08:08:47 2017	211	p002066				
	212	p002066				
	213	p002066				
	214	p002066				
	215	p002066				
	216	p002066				
	217	p002066				

Commissioning

Dark

Time	run number (high,medium,low)	Location	Remark	Sanity Checks	#pulses	#trains
Sun Nov 19 20:46 2017	727, 728, 729	p900009		727: OK 728: train shift by 1 729: OK	64 64 64	1024 1024 1024
Tue Nov 21 01:31:50 2017	819, 820, 821	p900009		819: train shift by 16 820: OK 821: 8 trains lost in wing 2	64 64 64	1024 1024 1024

Flat field

Time	run number	Location	Remark	Sanity Checks	#pulses	#trains
Tue Nov 21 01:31:50 2017	823	p900009	module 007 only >1000 trains			
	824	p900009	module 007 only >1000 trains			
	825	p900009	module 007 only >1000 trains			
	826	p900009				
	827	p900009				
	828	p900009				
	830	p900009				
	831	p900009				
	832	p900009				
	833	p900009				
	834	p900009				
	835	p900009				
	836	p900009				
	838	p900009				
	839	p900009				
	840	p900009				
	841	p900009				

	842	p900009			
	844	p900009			
	845	p900009			
	846	p900009			
	847	p900009			
	848	p900009	shift delay to 1941759 to cover cells 3,5,...61		
	850	p900009	shift delay to 1941759 to cover cells 3,5,...61		
	852	p900009	shift delay to 1941759 to cover cells 3,5,...61		
	853	p900009	shift delay to 1941759 to cover cells 3,5,...61		
	854	p900009	shift delay to 1941759 to cover cells 3,5,...61		
	856	p900009	shift delay to 1941759 to cover cells 3,5,...61		
	857	p900009	shift delay to 1941759 to cover cells 3,5,...61		
	858	p900009	shift delay to 1941759 to cover cells 3,5,...61		
	860	p900009	shift delay to 1941759 to cover cells 3,5,...61		
	861	p900009	shift delay to 1941759 to cover cells 3,5,...61		
	862	p900009	shift delay to 1941759 to cover cells 3,5,...61		
	863	p900009	shift delay to 1941759 to cover cells 3,5,...61		
	864	p900009	shift delay to 1941759 to cover cells 3,5,...61		
	866	p900009	shift delay to 1941759 to cover cells 3,5,...61		
	867	p900009	shift delay to 1941759 to cover cells 3,5,...61		
	868	p900009	shift delay to 1941759 to cover cells 3,5,...61		
	869	p900009	shift delay to 1941759 to cover cells 3,5,...61		

X-rays/LiTi timing

Time	run number	Location	Remark	Sanity Checks	#pulses	#trains
Sun Nov 19 20:46 2017	730	p900009	timing =1941765			
	731	p900009	timing =1941766			
	732	p900009	timing =1941767			
	733	p900009	timing =1941768			
	734	p900009	timing =1941765			
	737	p900009	timing =1941766, with attenuator			
	738	p900009	timing =1941766, less attenuator (T=~50%)			
	739	p900009	timing =1941767, less attenuator (T=~50%)			
	740	p900009	timing =1941768, less attenuator (T=~50%)			
	741	p900009	timing =1941769, less attenuator (T=~50%)			
	742	p900009	timing =1941770, less attenuator (T=~50%)			
	743	p900009	timing =1941771, less attenuator (T=~50%)			
	744	p900009	timing =1941772, less attenuator (T=~50%)			
	745	p900009	timing =1941773, less attenuator (T=~50%)			
	746	p900009	timing =1941774, less attenuator (T=~50%)			
	747	p900009	timing =1941775, less attenuator (T=~50%)			
	748	p900009	timing =1941776, less attenuator (T=~50%)			
	749	p900009	timing =1941777, less attenuator (T=~50%)			
	750	p900009	timing =1941778, less attenuator (T=~50%)			
	751	p900009	timing =1941779, less attenuator (T=~50%)			
	752	p900009	timing =1941780, less attenuator (T=~50%)			
	753	p900009	timing =1941781, less attenuator (T=~50%)			
	754	p900009	timing =1941782, less attenuator (T=~50%)			

756	p900009	timing =1941783, but stream file s00003 shorter than usual		
757	p900009	timing =1941784, less attenuator (T=-50%)		
758	p900009	timing =1941785, less attenuator (T=-50%)		
759	p900009	timing =1941786, less attenuator (T=-50%)		
768	p900009	timing =1941787, less attenuator (T=-50%)		
770	p900009	timing =1941788, some hardware moved into the scattered beam on the bottom		
771	p900009	timing =1941789, some hardware moved into the scattered beam on the bottom		
773	p900009	timing =1941790, less attenuator (T=-50%)		
774	p900009	timing =1941791, less attenuator (T=-50%)		
775	p900009	timing =1941792, less attenuator (T=-50%)		
776	p900009	timing =1941793, less attenuator (T=-50%)		
777	p900009	timing =1941794, less attenuator (T=-50%)		
778	p900009	timing =1941795, less attenuator (T=-50%)		
780	p900009	timing =1941796, less attenuator (T=-50%)		
781	p900009	timing =1941797, less attenuator (T=-50%)		
782	p900009	timing =1941798, less attenuator (T=-50%)		
783	p900009	timing =1941799, less attenuator (T=-50%)		
784	p900009	timing =1941800, less attenuator (T=-50%)		
785	p900009	timing =1941801, less attenuator (T=-50%)		
786	p900009	timing =1941802, less attenuator (T=-50%)		
788	p900009	timing =1941803, less attenuator (T=-50%)		
789	p900009	timing =1941804, less attenuator (T=-50%)		
790	p900009	timing =1941805, less attenuator (T=-50%)		
791	p900009	timing =1941806, less attenuator (T=-50%)		
792	p900009	timing =1941807, less attenuator (T=-50%)		
793	p900009	timing =1941808, less attenuator (T=-50%)		
794	p900009	timing =1941809, less attenuator (T=-50%)		
795	p900009	timing =1941810, less attenuator (T=-50%)		
797	p900009	timing =1941811, less attenuator (T=-50%)		
798	p900009	timing =1941812, less attenuator (T=-50%)		
799	p900009	timing =1941813, less attenuator (T=-50%)		
800	p900009	timing =1941814, less attenuator (T=-50%)		
801	p900009	timing =1941815, less attenuator (T=-50%)		
802	p900009	timing =1941783, less attenuator (T=-50%)		
803	p900009	timing =1941687, less attenuator (T=-50%), no X-rays in cell2 X-rays from 4 till 62 (30 pulses)		
804	p900009	timing =1941591, no X-rays in cell2 X-rays from 6 till 62 (29 pulses)		
805	p900009	timing =1941495		
806	p900009	timing =1941399		
807	p900009	timing =1941207		
808	p900009	timing =1941111		
809	p900009	timing =1941879		
810	p900009	timing =1941975		
811	p900009	timing =1942071		
812	p900009	timing =1941783, no att.		
813	p900009	timing =1941783, no att.		
814	p900009	timing =1941783, no att.		
815	p900009	timing =1941783, no att.		
816	p900009	timing =1941783, no att.		
817	p900009	timing =1941783		

Beamtime p002038

Dark

Time	run number (high,medium,low)	Location	Remark	Sanity Checks	#pulses	#trains
Thu Nov 9 15:19:22 2017	007, 008	p002038	no low gain			
	009, 010, 011	p002038				
Fri Nov 10 14:27:15 2017	012, 013, 014	p002038				
	020, 021, 022	p002038				
	023, 024, 025	p002038				
Fri Nov 10 15:37:09 2017	060, 061, 062	p002038				
Sat Nov 11 09:24:41 2017	064, 065, 066	p002038				

LiTi

Time	run number	Location	Remark	Sanity Checks	#pulses	#trains
Fri Nov 10 14:27:15 2017	018	p002038				
	019	p002038				
Fri Nov 10 15:37:09 2017	026	p002038				
	027	p002038				
	028	p002038				
	029	p002038				
	030	p002038				
	031	p002038				
	032	p002038				
	033	p002038				
	034	p002038				
	035	p002038				

Xrays

Time	run number	Location	Remark	Sanity Checks	#pulses	#trains
Fri Nov 10 15:37:09 2017	041	p002038				
	042	p002038				
	043	p002038				
	044	p002038				
	051	p002038				
	052	p002038				
	053	p002038				
	054	p002038	beam is very weak (about half)			
	055	p002038	beam is very weak (about half -> increased)			
	056	p002038				

Commissioning

Dark

Time	run number (high, medium, low)	Location	Remark	Sanity Checks	#pulses	#trains
Tue Oct 3 21:26:43 2017	499, 500, 501	p900009	501: seq 0 overwritten by DAQ problems	not migrated to offline		
	536, 537, 538	p900009	gate valve open	3 x OK	64	1000
Mon Oct 9 16:15:39 2017	562	p900009	start with 16 modules, many trains missing, only high gain?	not migrated to offline		
Mon Oct 9 16:30:06 2017	564	p900009	module 14 does not send data, only high gain?	not migrated to offline		
Thu Oct 12 10:02:22 2017	566/569, 567, 568	p900009		566+568 : OK, 567+569 : train shift by 1	64	1000
Thu Oct 12 10:08:25 2017	570/571/572/573/574	p900009		570 : train shift by 1 571, 572, 573, 574 : OK	64	1000
Fri Oct 13 08:50:22 2017	576	p900009	15 modules only Q3M1 did not sent data	not migrated to offline		
	577	p900009	only high gain!	OK	64	1000
	626/627	p900009	only high gain!	626 : differing #trains in wing 2 627 : 1264 trains lost (20224 total)	80 120	>1500 1267
Mon Oct 30 17:09:47 2017	628, 629, 630	p900009		not migrated to offline		
Fri Nov 3 19:42:18 2017	662	p900009	after firmware upgrade, only high gain!	not migrated to offline		
Sun Nov 5 19:35:15 2017	665/666	p900009	only high gain!	not migrated to offline		
	671/672	p900009	only high gain	671 : 332 trains lost (5312 total) 672 : train shift by 1 + 332 trains lost (5312 total)	176 176	1000 1000
Wed Nov 8 19:26:24 2017	717, 718, 719	p900009		717 : sum(pulseCount) != data shape 718 : not migrated to offline 719 : not migrated to offline	74	1024

Pcdrs

Time	run number	Location	Remark	Sanity Checks	#pulses	#trains
Fri Oct 13 08:50:22 2017	578, 579, 580, 581, 582, 583, 584, 585	p900009	585 : one train missing on 01	578, 579, 580, 581, 584 : OK	64	613
				582 : train shift by 1	64	613
				585 : differing #trains in ch 1 + 1 train lost	64	>500
	586, 587, 588, 589, 590, 591, 592, 593	p900009	586 : one train missing on 14	586 : differing #trains in ch 15, train shift by 1, 1 train lost	64	>500
				587, 589, 591 : OK	64	613
				588, 590, 592, 593 : train shift by 1	64	613
	594, 595, 596, 597, 598, 599, 600, 601	p900009	599 : 01 missing train	594, 596, 597, 598, 600, 601 : OK	64	613
				595 : train shift by 1	64	613
				599 : differing #trains in ch 2, train shift by 1, 1 train lost	64	>500
	602, 603, 604, 605, 606, 607, 608, 609	p900009	603 : 01 missing train	602, 604, 606, 607, 608 : OK	64	613
				603 : differing #trains in ch 1, 1 train lost	64	>500
				605, 609 : train shift by 1	64	613
	610, 611, 612, 613, 614, 615, 616, 617	p900009	611 : 12 missing train 612 : 00 missing train	610, 614, 615, 617 : OK	64	613
				611 : differing #trains in ch 12, train shift by 1, 1 train lost	64	>500
				612 : differing #trains in ch 0, 1 train lost	64	>500
				613, 616 : train shift by 1	64	613

	618, 619, 620, 621, 622, 623, 624, 625	p900009	620: 08-15 missing trains	618, 621, 623, 625: train shift by 1	64	613
				619, 622, 624: OK	64	613
				620: differing #trains in wing 2, train shift by 1, 16 trains lost	64	>500
Wed Nov 8 19:26: 24 2017	709, 710, 711, 712, 713, 714, 715, 716	p900009	709: one train missing on 01	709: <ul style="list-style-type: none"> • sum(pulseCount) != data shape • differing #trains in ch 1 • train shift by 1 • trailing zeros mismatch in ch 1 • 1 lost train 	74	>512
				710, 711, 713, 714, 715, 716: sum (pulseCount) != data shape	74	640
				712: sum(pulseCount) != data shape, train shift by 1	74	640

Xrays

Time	run number	Location	Remark	Sanity Checks	#pulses	#trains
Tue Oct 3 21: 26:43 2017	507	p900009		<ul style="list-style-type: none"> • differing #trains in ch 14 • 1 train lost 	64	>750
	508	p900009		differing #trains in ch 4	64	>750
	509	p900009		train shift by 1	64	1000
	510	p900009		train shift by 1	64	1000
	511	p900009		differing #trains in ch 14	64	>750
	512	p900009		train shift by 1	64	1000
	513	p900009		train shift by 1	64	1000
	514	p900009		<ul style="list-style-type: none"> • differing #trains in ch 14 • 1 train lost 	64	>750
	515	p900009		train shift by 1	64	1000
	516	p900009		OK	64	1000
	517	p900009		OK	64	1000
	518	p900009		train shift by 1	64	1000
	519	p900009		OK	64	1000
	520	p900009		OK	64	1000
	521	p900009		<ul style="list-style-type: none"> • differing #trains in ch 1 • train shift by 1 • 1 train lost 	64	>750
	522	p900009		OK	64	1000
	523	p900009		train shift by 1	64	1000
	524	p900009		train shift by 1	64	1000
	525	p900009		OK	64	1000
	526	p900009		train shift by 1	64	1000
	527	p900009		train shift by 1	64	1000
	528	p900009		train shift by 1	64	1000
	529	p900009		OK	64	1000
	530	p900009		OK	64	1000
	531	p900009		OK	64	1000
	532	p900009		OK	64	1000

	533	p900009		OK	64	1000
	534	p900009		OK	64	1000
	535	p900009		train shift by 1	64	1000
	539	p900009		OK	64	1000
	540	p900009		OK	64	1000
Sun Nov 5 19:35:15 2017	673	p900009	ok, all modules, but there is no difference (at least not in the raw preview) to the bunch_patt_burst64.txt	<ul style="list-style-type: none"> train shift by 1 332 trains lost (5312 total) 	176	1000
	674	p900009	as 673	<ul style="list-style-type: none"> 332 trains lost (5312 total) 	176	1000

Beamtime p002017

Dark

Time	run number (high,medium,low)	Location	Remark	Sanity Checks	#pulses	#trains
Thu Sep 28 21:48:33 2017	004, 005, 006	p002017				
Sat Sep 30 00:09:59 2017	028, 029, 030	p002017	trains missing in 05			
	039, 040, 041	p002017				
Sat Sep 30 20:48:06 2017	095, 096, 097/098	p002017	beam on YAG screen, gate valve open			
	099, 100, 101	p002017				
	108/109/113/114/115/116, 111, 112	p002017				
Sun Oct 1 22:59:02 2017	131/134/135, 132, 133	p002017				
Mon Oct 2 04:02:12 2017	137/138/140	p002017	only high?			
Tue Oct 3 05:25:16 2017	142	p002017	gate valve open, high gain only!			
	146	p002017	gate valve closed, high gain only!			
	182	p002017	gate valve open, no beam, high gain only!			
	208	p002017	gate valve open, no beam, high gain only?			

Xrays

Time	run number	Location	Remark	Sanity Checks	#pulses	#trains
Tue Oct 3 05:40:47 2017	195	p002017				
	196	p002017				
	197	p002017				
	198	p002017				
	199	p002017				
	200	p002017				
	201	p002017				
	202	p002017				
	203	p002017				
	204	p002017				
	205	p002017				

	206	p002017			
	207	p002017			
	208	p002017			

Pcdrs

Time	run number	Location	Remark	Sanity Checks	#pulses	#trains
Sat Sep 30 00:09:59 2017	488, 489, 490, 491, 492, 493, 494, 495	p900009	last 3 cellId on position 64-66 should not be used	488: pulse loss	67	613
				489, 491, 494: differing #trains in ch 5, 1 train lost	67	>500
				490: <ul style="list-style-type: none"> differing #trains in ch 5 train shift by 5 2 trains lost 	67	>500
				492: differing #trains in ch 5, 4 trains lost	67	>500
				493, 495: OK	67	613

LiTi

Time	run number	Location	Remark	Sanity Checks	#pulses	#trains	
Wed Sep 27 18:39:28 2017	474	p900009					
Thu Sep 28 21:48:33 2017	479	p900009					
	480	p900009					
	481	p900009					
	482	p900009					
	001	p002017					
Thu Sep 28 21:48:33 2017	002	p002017					
	003	p002017					
	007	p002017					
	008	p002017					
	009	p002017					
	010	p002017					
	011	p002017					
	012	p002017					
	Sat Sep 30 00:09:59 2017	031	p002017				
		032	p002017	trains missing in 05			
		033	p002017				
		034	p002017				
035		p002017					
036		p002017					
037		p002017					
038		p002017					
Sat Sep 30 20:48:06 2017	102	p002017					
	103	p002017					
	104	p002017					
	105	p002017					
	106	p002017					
	107	p002017					
Sun Oct 1 22:59:02 2017	127	p002017					
	128	p002017					

	129	p002017				
	130	p002017				
Tue Oct 3 05:25:16 2017	143	p002017				
	144	p002017				
	145	p002017				

Beamtime p002042

Dark

Time	run number (high,medium,low)	Location	Remark	Sanity Checks	#pulses	#trains
Thu Sep 21 09:25:08 2017	454, 456, 457	p900009				
Thu Sep 21 18:59:21 2017	001, 002, 003	p002042				
Fri Sep 22 09:44:43 2017	006, 007, 008	p002042				
Fri Sep 22 15:13:22 2017	013, 014, 015	p002042				
Sun Sep 24 13:04:50 2017	077, 078, 079	p002042				
	129, 130, 131	p002042				
	176, 177, 178	p002042				
Mon Sep 25 8:30:57 2017	239, 240, 241	p002042				
	425, 426, 427	p002042				

LiTi

Time	run number	Location	Remark	Sanity Checks	#pulses	#trains
Fri Sep 22 09:44:43 2017	009	p002042				
	010	p002042				
	011	p002042				
	012	p002042				