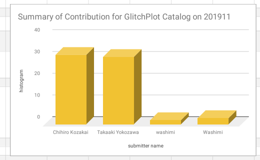
# submit date	# submitter name	# onsite or offsite	# trigger channel name	# glitch class	# sensor	# location	# comment	# GPS time	# JST time of glitch	# URL	# snr	# frequecy	# duration	# pipeline	2019/07/02 Here "GlitchPlot
2019/10/11 10:02:48	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Accoustic	Microphone	Center	Microphone at POP, MCF, AS has glitch. Affected mirrors: ITMY Pitch, PR2 yaw, prm length, SR2 pitch	1254593704	2019 10 09 3:14:47	https://www.icrr.u	91	16.7	36		
2019/10/11 11:11:41	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Seismic activity	Accelerometer	EY	Microphone and accelerometer in TMSY has glitch. ETMY maybe affected.	1254593525	2019 10 09 3:11:48	https://www.icrr.u	32	15.6	0.375		
2019/10/11 11:43:49	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Unknown	None	None	Difficult to see the glitch. Plot setting should be improved.	1254593526	2019 10 09 3:11:49	https://www.icrr.u	20	379.3	0.002		
2019/10/11 13:21:50	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Laser	Other	IMC	IMC Servo saturation_?	1254593704	2019 10 09 3:14:47	https://www.icrr.u	91	16.7	36		
2019/11/05 12:06:30	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_C00_STRAIN_DBL_DQ	Magnetic	Magnetometer	Center	Magnetometer in BS has glitch around 60 Hz. PR3, PRM, SR3, SRM mirrors are affected.	1256678778	2019 11 02 6:26:01	https://www.icrr.u	733	79.6	0.5		
2019/11/05 14:38:07	Chihiro Kozakai	Offsite	K1:CAL-CS_PROC_C00_STRAIN_DBL_DQ	Seismic activity	Seismometer	EY	Suspicious if really earthquake because only EYV seismometer detected. ITMX, PRM, SRM are affected.	1256682134	2019 11 02 7:21:57	https://www.icrr.u	102	31.4	0.016		
2019/11/05 15:15:38	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_C00_STRAIN_DBL_DQ	Magnetic	Magnetometer	Other	Magnetometer in BS, EXC, EYC detected glitch. ITMX, PR3, PRM, PR2, SR2, SRM are affected.	1256685320	2019 11 02 8:15:03	https://www.icrr.u	151	32.2	0.094		
2019/11/05 15:47:03	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_C00_STRAIN_DBL_DQ	Seismic activity	Seismometer	Other	I want "All" option for location.	1256731218	2019 11 02 21:00:01	https://www.icrr.u	9048	6.3	12		
2019/11/05 16:53:36	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_C00_STRAIN_DBL_DQ	Unknown	Oplev	SR2	The origin is not clear. SR2, SR3, SRM detected glitch in similar frequency to trigger event. Some PSL accelerometers, EXC magnetometer, MCF microphone detected glitch in ~50 Hz at the same time. K1:ALS-X_ARM_REFL_OUT_DQ shows strange behavior.	1256776741	2019 11 03 9:38:44	https://www.icrr.u	1077	114.3	0.625		
2019/11/06 8:46:44	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_C00_STRAIN_DBL_DQ	Seismic activity	Seismometer	None	Seismic motion, maybe earthquake	1256731218	2019 11 02 21:00:01	https://www.icrr.u	9048	6.3	12		
2019/11/06 8:53:30	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_C00_STRAIN_DBL_DQ	Seismic activity	None	None	Maybe earthquake, all suspensions have glitch	1256682134	2019 11 02 7:21:57	https://www.icrr.u	102	31.4	0.016		
2019/11/06 9:01:44	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_C00_STRAIN_DBL_DQ	None	None	None	Interesting in the shape of the EYC magnetometer	1256682134	2019 11 02 7:21:57	https://www.icrr.u	106	28.5	0.016		
2019/11/06 10:46:55	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_C00_STRAIN_DBL_DQ	Seismic activity	Accelerometer	PSL	The noise source is not clear. It maybe upconversion event. PEM with glitch accelerometer: MCF, PSL(peri1, peri2, table2, portable2), TMSX microphone: EYC, OMC seismometer: IXV, EXV Affected oplevs ETMX Y, ETMY Y, ITMX PY, SR2 P, SR3 L, SRM P	1256776771	2019 11 03 9:39:14	https://www.icrr.u	7377	584.2	0.766		
2019/11/06 11:41:44	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_C00_STRAIN_DBL_DQ	Seismic activity	Seismometer	Center	PEM with glitch ACC PSL PORTABLE1, ACC TMSY, MAG EYC, SEIS EXV, SEIS IXV Oplev with glitch ETMY Y, ITMY LY, PR2 P, PR3 PY, SR2 P, SRM P	1256776828	2019 11 03 9:40:11	https://www.icrr.u	2409	584.2	0.312		
2019/11/06 14:08:08	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_C00_STRAIN_DBL_DQ	Unknown	Magnetometer	Other	The noise source is not clear. Upconversion event or noise propagation was strange at that time ? Magnetometer in BS and EXC show coherence increase with triggered glitch but spectrograms seems stable. PEM with glitch ACC PSL PERI2, ACC PSL TABLE3, (MIC TMSX), MAG BS, MAG EXC, SEIS EYV Oplevs with glitch (PR2 LPY,PR3 L)	1256776856	2019 11 03 9:40:39	https://www.icrr.u	1120	283	0.625		
2019/11/06 15:08:05	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_C00_STRAIN_DBL_DQ	Seismic activity	Seismometer	EY	It is not clear if this is seismic activity because IXV seismometer seems quiet. Microphone at OMC has glitch in similar frequency but not coherent. PEM with glitch (MIC EXC, MIC TMSX, SEIS EXV), MIC OMC, SEIS EYV Oplev with glitch ETMY L, ITMX LY, PR3 LPY, PRM LY, SR3 L, SRM PY	1256744369	2019 11 03 0:39:12	https://www.icrr.u	190	26.8	1.125		
2019/11/06 15:49:30	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_C00_STRAIN_DBL_DQ	Unknown	Oplev	Center	No coherent channels. Similar shape of glitch in microphone: EXC, TMSY oplev: PR3 PY, PRM LY, SRM P PEM with glitch ACC TMSY, MAG BS, MAG EXC Oplev with glitch ETMY P, ITMY LY, PR3 L, SR2 LY, SRM L	1256748662	2019 11 03 1:50:45	https://www.icrr.u	183	26.8	2.25		
2019/11/06 16:41:06	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_C00_STRAIN_DBL_DQ	Seismic activity	Seismometer	EX	The noise source is not clear. No coherent channel. PEM with glitch ACC POP, ACC MCF, MIC EXC, MIC EYC, MIC PSL, SEIS EXV, (ACC TMSX, MAG EYC) Oplev with glitch ETMY L, PR3 PY, PRM LPY, SRM PY	1256751966	2019 11 03 2:45:49	https://www.icrr.u	218	26.8	0.5		
2019/11/06 18:00:04	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_C00_STRAIN_DBL_DQ	Real time system	Control system	Control system	It looks like FSS control related glitch. Something happens at the top and bottom of the strain wave form. No aparent noise source is found in PEM. List of channels with glitch ALS-X,Y_ARM_REFL_OUT_DQ, TMSX IR, TMSY IR, IMC frequency, MICH, IMC TRANS, AS DC, AS RF17 IQ, CALM SERVO, LSC MCL, POP DC, POP RF17 IQ, POP RF45 IQ, REFL RF17 IQ, REFL RF45 IQ, PMC TRANS (ACC POP)	1256905406	2019 11 04 21:23:09	https://www.icrr.u	751	236.1	0.281		
2019/11/14 17:05:24	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Magnetic	Magnetometer	Center	K1:PEM-MAG_BS_BOOTH_BS_Z_OUT_DQ is coherent.	1257720099	2019 11 14 7:41:22	https://www.icrr.u	1389	95.4	3.75	Omicron	
2019/11/17 4:38:36	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Seismic activity	Oplev	all	All suspension has similar trigger around 40s, that imply the lightning or earthquake. Where can I find the spectrogram of the seismometer?	1257720099	2019 11 14 7:41:22	https://www.icrr.u	1389	95.4	3.75	Omicron	
2019/11/17 4:53:05	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Laser	Accelerometer	PSL	PSL ACCs have larger glitch, PMC lock loss?	1257720254	2019 11 14 7:43:57	https://www.icrr.u	43987	95.4	3.969	Omicron	
2019/11/21 15:32:38	washimi	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Seismic activity	Accelerometer	PSL		1257720254	2019 11 14 7:43:57	https://www.icrr.u	43987	95.4	3.969	Omicron	
2019/11/21 15:34:19	washimi	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Other	Other	Other	FPIM itself was unstable	1257720739	2019 11 14 7:52:02	https://www.icrr.u	1377	6.3	12	Omicron	
2019/12/19 15:40:33	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Other	None	IX	I don't know the clear reason, the ITMX (or ITMY) has some glitch. It excited the 40Hz and detected in the AS PD	1260383408	2019 12 15 3:29:51	https://www.icrr.u	358	41.4	3.5	Omicron	
2019/12/19 15:46:45	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Magnetic	Magnetometer	Other	40Hz glitch noise? In this glitch, there is slightly higher coincidence with magnetometer of EXC and BS (Z direction is larger?).	1260383412	2019 12 15 3:29:55	https://www.icrr.u	101	41.4	0.25	Omicron	
2019/12/19 15:53:30	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	None	None	None	From the spectrogram, the trigger is around 13s but trigger flag is 18s. What is the reason? In this case, there is no strong candidate.	1260383412	2019 12 15 3:29:55	https://www.icrr.u	148	41.4	1.625	Omicron	
2019/12/19 16:16:58	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Seismic activity	Seismometer	all	Maybe, earthquake	1260385121	2019 12 15 3:58:24	https://www.icrr.u	16404	66.4	3.062	Omicron	
2019/12/19 16:41:24	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Laser	Other	PSL	No earthquake, but PMC trans glitch	1260592876	2019 12 17 13:40:59	https://www.icrr.u	26956	584.2	1.75	Omicron	
2019/12/23 6:31:07	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Seismic activity	Seismometer	all	Maybe earthquake	1260980099	2019 12 22 1:14:41	https://www.icrr.u	8029	66.4	2.875	Omicron	
2019/12/23 6:58:47	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	None	VIS related	Other	PR2 oplev has some coherence	1260998100	2019 12 22 6:14:42	https://www.icrr.u	197	27.4	8	Omicron	
2019/12/23 7:22:27	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Seismic activity	Seismometer	all	Maybe earthquake	1260946584	2019 12 21 15:56:06	https://www.icrr.u	5745	66.4	2.75	Omicron	
2019/12/23 7:23:36	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Seismic activity	Seismometer	all	Maybe earthquake	1260950842	2019 12 21 17:07:04	https://www.icrr.u	13425	66.4	3.312	Omicron	
2019/12/23 7:36:23	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Other	VIS related	Center	Some correlation with BS oplev	1260822813	2019 12 20 5:33:15	https://www.icrr.u	134	14.8	0.5	Omicron	
2019/12/23 7:44:35	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Seismic activity	Accelerometer	OMC	Unknown, but OMC ACC has some coherence	1260826657	2019 12 20 6:37:19	https://www.icrr.u	301	14.8	1.5	Omicron	
2019/12/23 7:55:30	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Seismic activity	Seismometer	all	Earthquake	1260854345	2019 12 20 14:18:47	https://www.icrr.u	7907	66.4	3.25	Omicron	
2019/12/23 8:00:17	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Seismic activity	Seismometer	all	Earthquake	1260761974	2019 12 19 12:39:16	https://www.icrr.u	20205	66.4	3.75	Omicron	
2020/02/03 12:22:39	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Seismic activity	Accelerometer	all	Earthquake	1264459349	2020 01 31 7:42:11	https://www.icrr.u	823	95.4	1.125	Omicron	
2020/03/17 14:52:38	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Seismic activity	Seismometer	EY	Local seismic motion in EY ? TMSY GR get glitchy after the seismic motion. K1:PEM-VOLT_REFL_TABLE_GND_OUT_DQ has small glitch.	1267815774	2020 03 10 4:02:36	https://www.icrr.u	103	63.9	0.031	Omicron	
2020/03/17 17:11:57	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	None	None	None	There is no clear signal in plots found. From the suggested channel list, there maybe environmental disturbance in center area.	1267817086	2020 03 10 4:24:28	https://www.icrr.u	122	63.9	0.156	Omicron	
2020/03/22 16:44:24	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Magnetic	Magnetometer	Center	Magnetometers at BS and EY detect glitch. I think disturbance around BS is the source because EY sensor also detect bigger glitch in 3 sec ago but it doesn't appear in DARM.	1266706961	2020 02 26 8:02:23	https://www.icrr.u	571	65.3	0.375	Omicron	
2020/03/22 22:12:41	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Magnetic	Magnetometer	all	GND voltage meters and Magnetometers in all area shows high coherence at the time of glitch. However, their signal seems stable. Coupling change ?	1267104620	2020 03 01 22:30:02	https://www.icrr.u	303	62.2	0.312	Omicron	
2020/03/22 23:05:16	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Magnetic	Magnetometer	EY	EYC magnetometer has glitch.	1266757249	2020 02 26 22:00:31	https://www.icrr.u	477	65.3	0.312	Omicron	
2020/03/22 23:26:31	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Magnetic	Magnetometer	Center	K1:PEM-MAG_BS_BOOTH_BS_Z_OUT_DQ has glitch.	1266748886	2020 02 26 19:41:08	https://www.icrr.u	652	65.3	0.438	Omicron	
2020/03/22 23:41:55	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Seismic activity	Accelerometer	EX	K1:PEM-ACC_EXC_CHAMBER_EXC_Z_OUT_DQ has glitch.	1267217767	2020 03 03 5:55:49	https://www.icrr.u	671	63.9	0.5	Omicron	
2020/03/22 23:56:29	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Magnetic	Magnetometer	EY	K1:PEM-MAG_EYC_BOOTH_EYC_*_OUT_DQ have glitch.	1267523474	2020 03 06 18:50:56	https://www.icrr.u	522	63.9	0.812	Omicron	
2020/03/23 0:09:14	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Real time system	Other	Control system	K1:LSC-TR_*_NORM_OUT_DQ have glitch.	1267034913	2020 03 01 3:08:15	https://www.icrr.u	208	1480	0.006	Omicron	
2020/03/23 0:16:35	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Magnetic	Magnetometer	all	Magnetometers in all area shows high coherence at the glitch time, but there is no significant excess in these channel.	1266758716	2020 02 26 22:24:58	https://www.icrr.u	588	63.9	0.438	Omicron	
2020/03/23 0:45:19	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Seismic activity	Accelerometer	EX	K1:PEM-ACC_TMSX_TABLE_TMS_Z_OUT_DQ has glitch.	1266834571	2020 02 27 19:29:13	https://www.icrr.u	308	63.9	0.25	Omicron	
2020/03/23 0:56:08	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Magnetic	Magnetometer	EY	K1:PEM-MAG_EYC_BOOTH_EYC_*_OUT_DQ have glitch.	1266750968	2020 02 26 20:15:50	https://www.icrr.u	383	63.9	0.312	Omicron	
2020/03/23 1:04:47	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Accoustic	Microphone	IMC	K1:PEM-MIC_MCF_TABLE_IMCREFL_Z_OUT_DQ has glitch in lower frequency. MCL related channels have glitch similar to h (t).	1266749910	2020 02 26 19:58:12	https://www.icrr.u	700	65.3	0.438	Omicron	
2020/03/23 1:11:35	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Seismic activity	Accelerometer	EX	K1:PEM-ACC_EXC_CHAMBER_EXC_Z_OUT_DQ has glitch.	1266750945	2020 02 26 20:15:27	https://www.icrr.u	326	65.3	0.188	Omicron	
2020/04/08 15:09:52	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	None	None	None	test	1270312047	2020-04-08 1:27:09	https://gwdet.icrr.	-1	-1	-1	lockloss	
2020/04/09 11:24:18	Washimi	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Magnetic	Magnetometer	EY	EYC Magnetmeter (-6sec) SR Magnetmeter (-6sec)	1270275115	2020-04-07 15:11:37	https://gwdet.icrr.	-1	-1	-1	lockloss	
2020/04/09 17:27:54	Washimi	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Magnetic	Magnetometer	EY	K1:PEM-MAG_EYC_BOOTH_EYC_Y_OUT_DQ K1:PEM-MAG_EYC_BOOTH_EYC_X_OUT_DQ K1:PEM-MAG_SR_BOOTH_SR_Z_OUT_DQ K1:PEM-MAG_SR_BOOTH_SR_Y_OUT_DQ K1:PEM-MAG_BS_BOOTH_BS_Z_OUT_DQ K1:LSC-OMC_DC_OUT_DQ K1:OMC-TRANS_DC_B_OUT_DQ K1:OMC-TRANS_DC_A_OUT_DQ K1:CAL-CS_PROC_XARM_FREQUENCY_DQ	1270337414	2020-04-08 8:29:56	https://gwdet.icrr.	2035.77	467.79	0.3046875	Omicron	
2020/04/09 17:42:30	Washimi	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Unknown	None	None	K1:PEM-MAG_SR_BOOTH_SR_Y_OUT_DQ K1:AOS-TMSX_GR_PDA1_OUT_DQ K1:ALS-X_PDH_SLOW_DAQ_OUT_DQ K1:ALS-X_FIB_SERVO_IN1_DQ	1270395718	2020-04-09 0:41:40	https://gwdet.icrr.	-1	-1	-1	lockloss	
2020/04/14 7:10:13	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Unknown	Other	Control system	ALS_X related channels have very large glitch. There is no control by green laser, but we need to investigate the path from the ALS-X (No glitch in the ALS-Y)	1270312047	2020-04-08 1:27:09	https://gwdet.icrr.	-1	-1	-1	lockloss	
2020/04/14 7:18:06	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Seismic activity	Accelerometer	PSL	ACC in PSL room (Around FSS) has glitch. That may make the various glitches.	1270312047	2020-04-08 1:27:09	https://gwdet.icrr.	1324.24	228.741	0.21875	Omicron	
2020/04/14 7:42:32	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Magnetic	Magnetometer	EX	There is some glitch in the CS and EX magnetometers. But they are some time lag (EX 0.5s CS 1s) Some other origin may excite the magnetic field.	1270337414	2020-04-08 8:29:56	https://gwdet.icrr.	2035.77	467.79	0.3046875	Omicron	
2020/04/14 7:56:43	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Laser	Other	PSL	Due to some reason (TMSX Mic?), PMC was lock loss and after that SR2, SRM, TMOL Type-A have signal	1270349382	2020-04-08 11:49:24	https://gwdet.icrr.	-1	-1	-1	lockloss	
2020/04/14 8:19:44	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Magnetic	Magnetometer	SR2	??Something -> SR magnetometer -> IMC control signal ->PMC ->Suspensions	1270386376	2020-04-08 22:05:58	https://gwdet.icrr.	-1	-1	-1	lockloss	
2020/04/16 8:37:19	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Seismic activity	Seismometer	all	Maybe seismic motion, almost all channels have glitch. Interesting PCal X Rx PD has signal.	1270680701	2020-04-12 7:51:23	https://gwdet.icrr.	148573	273.54	3.7734375	Omicron	
2020/04/16 9:03:50	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Magnetic	Magnetometer	SR2	Unknown, but magnetometer has some coherence.	1270752207	2020-04-13 3:43:09	https://gwdet.icrr.	203.442	121.192	0.03125	Omicron	
2020/04/16 9:22:31	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Laser	Control system	EX	ALS X seems some trouble. This glitch is pulse-like signal, that means not material oscillation but some electronics or control. At the same time of glitch, the ALS X control seems unstable.	1270911048	2020-04-14 23:50:29	https://gwdet.icrr.	1055.37	228.741	0.1875	Omicron	
2020/04/16 9:26:54	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Laser	Control system	EX	ALS X related. PSL ACC also has some glitch. We need to understand this issue.	1270927783	2020-04-15 4:29:24	https://gwdet.icrr.	1971.88	145.241	0.515625	Omicron	
2020/04/16 9:39:30	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Unknown	Control system	Control system	Basically unknown. But before lock loss, we can see the glitch at the MCL control noise. Also the microphone at the RELF table seems slightly large at 10Hz. I suspect the some glitch injected to MCL control and make lock loss.	1270911986	2020-04-15 0:06:08	https://gwdet.icrr.	-1	-1	-1	lockloss	
2020/04/16 9:42:31	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	Laser	Control system	Control system	ALS X related. I suspect Magnetometer -> ALS Xerror signal -> PSL accelerometer.	1270937055	2020-04-15 7:03:57	https://gwdet.icrr.	1124.89	228.741	0.21875	Omicron	
2020/04/18 13:50:13	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_DARM_DISPLACEMENT_DQ	None	None	None	K1:PEM-MAG_EYC_BOOTH_EYC_Z_OUT_DQ K1:PEM-MAG_EYC_BOOTH_EYC_Y_OUT_DQ K1:PEM-MAG_EYC_BOOTH_EYC_X_OUT_DQ K1:PEM-MAG_BS_BOOTH_BS_Z_OUT_DQ K1:PEM-MIC_MCF_TABLE_IMCREFL_Z_OUT_DQ have glitch.	1270975703	2020-04-15 17:48:05	https://gwdet.icrr.	-1	100	0.125	GRB	



# submit date	# submitter name	# onsite or offsite	# trigger channel name	# glitch class	# sensor	# location	# comment	# GPS time	# JST time of glitch	# URL	# snr	# frequency	# duration	# pipeline	2019/07/02 Mark TCSimpDay

# submit date	# submitter name	# onsite or offsite	# trigger channel name	# glitch class	# sensor	# location	# comment	# GPS time	# JST time of glitch	# URL	# snr	# frequency	# duration	# pipeline	2019/07/02 Mark Tolleneer

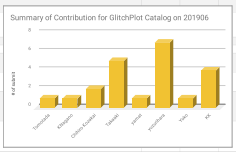
# submit date	# submitter name	# onsite or offsite	# trigger channel name	# glitch class	# sensor	# location	# comment	# GPS time	# JST time of glitch	# URL	# snr	# frequency	# duration	# pipeline	2019/07/02 Mark Tolleneer

# submit date	# submitter name	# onsite or offsite	# trigger channel name	# glitch class	# sensor	# location	# comment	# GPS time	# JST time of glitch	# URL	# snr	# frequency	# duration	# pipeline	2019/07/02 Mon 10:00:00

# submit date	# submitter name	# onsite or offsite	# trigger channel name	# glitch class	# sensor	# location	# comment	# GPS time	# JST time of glitch	# URL	# snr	# frequecy	# duration	help of the Glitch 2019/07/02 https://owdoc.icrr Here ^GlitchPlot
2019/09/04 12:42	Takaaki Yokozawa	Onsite	K1:CAL-CS_PROC_DA	Magnetic	Magnetometer	None	The behavior of the	1250982798	2019 08 28 8:13:	https://www.icrr.u	103	14.6	0.031	

# submit date	# submitter	# onsite or	# trigger	# glitch class	# sensor	# location	# comment	# GPS time	# JST time of	# URL	# snr	# frequecy	# duration	help of the Glitch 2019/07/02
2019/07/01 9:20:	Chihiro Kozakai	Onsite	K1:AOS-TMSX_IR_PD_OUT_DQ	Seismic				1244004915	2019 06 08 13:5	https://www.icrr.u				
2019/07/01 16:46	Takaaki Yokozawa	Onsite	K1:IMC-CAV_TRANS_OUT_DQ	Seismic			Earthquake?	1245546429	2019 06 26 10:0	https://www.icrr.u				
2019/07/03 15:35	Yuzurihara	Offsite	K1:IMC-CAV_TRANS_OUT_DQ	IMC		IMC	I found the glitch in MCO. After that, glitch moves to MCE and finally MCI.	1246085661	2019 07 02 15:5	https://www.icrr.u				
2019/07/03 15:56	Yuzurihara	Offsite	K1:PSL-PMC_TRANS_DC_OUT_DQ	None		None	I couldn't find strange behaviors.	1246093315	2019 07 02 18:0	https://www.icrr.u				
2019/07/03 15:58	Yuzurihara	Offsite	K1:IMC-CAV_TRANS_OUT_DQ	IMC		IMC	I found strange behavior, 80sec ago before the glitch in IMC.	1246093518	2019 07 02 18:0	https://www.icrr.u				
2019/07/03 16:06	Yuzurihara	Offsite	K1:IMC-CAV_TRANS_OUT_DQ	Seismic		PSL	I found some glitches in the microphone and acc sensor. I'm not sure this is the cause of the glitch.	1246096415	2019 07 02 18:5	https://www.icrr.u				
2019/07/03 16:08	Yuzurihara	Offsite	K1:PSL-PMC_TRANS_DC_OUT_DQ	PSL		PSL	I often find this kind of the glitch. If there is no name, we should name this kind of noise.	1246105730	2019 07 02 21:2	https://www.icrr.u				
2019/07/03 16:09	Yuzurihara	Offsite	K1:PSL-PMC_TRANS_DC_OUT_DQ	None		None	roller coaster glitch https://www.icrr.u-tokyo.ac.jp~yuzu/bKAGRA_summary/GitchPlot/20190702lockloss_1246105887.0_K1:PSL-PMC_TRANS_DC_OUT_DQ/K1:PSL-TTFSS_PZT_MON_OUT_DQ_timeseries_1246105714.0_1246106060.0_K1:PSL-PMC_TRANS_DC_OUT_DQ.png	1246105887	2019 07 02 21:3	https://www.icrr.u				
2019/07/03 16:11	Yuzurihara	Offsite	K1:PSL-PMC_TRANS_DC_OUT_DQ	None		None	This is also roller coaster glitch. https://www.icrr.u-tokyo.ac.jp~yuzu/bKAGRA_summary/GitchPlot/20190702lockloss_1246106649.11_K1:PSL-PMC_TRANS_DC_OUT_DQ/K1:PSL-TTFSS_EOM_MON_OUT_DQ_timeseries_1246106646.11_1246106652.11_K1:PSL-PMC_TRANS_DC_OUT_DQ.png The frequency resolution of coherencegram is poor. Delta f is 500Hz or 1kHz.	1246106649	2019 07 02 21:4	https://www.icrr.u				
2019/07/05 4:51:	Yuzurihara	Offsite	K1:PEM-ACC_MCF_TABLE_REFL_Z_OUT_DQ	Other		None	Is the channel of K1:PEM-ACC_MCF_TABLE_REFL_Z_OUT_DQ, the glitch happens periodically from 2019 07 04 09:00:01.0 to 2019 07 04 16 23:00:7. We found the glitch every one minute. Is there some injection work related to PEM?	1246233618	2019 07 04 9:00:	https://www.icrr.u				
2019/07/05 11:48	Takaaki Yokozawa	Onsite	K1:PEM-ACC_MCF_TABLE_REFL_Z_OUT_DQ	Other		Controlsystem	There are 19Hz peak in the many channels That may be the DAQ trouble issue	1246166598	2019 07 03 14:2	https://www.icrr.u				
2019/07/11 7:23:	Takaaki Yokozawa	Onsite	K1:PSL-PMC_TRANS_DC_OUT_DQ	Laser	Control system	PSL	Some control glitch for the PMC? But I concerned that some PSL ACC have special behavior, oscillating. I will check them.	1246587325	2019 07 08 11:1	https://www.icrr.u	291	584.2	0.016	
2019/07/11 7:30:	Takaaki Yokozawa	Onsite	K1:IMC-CAV_TRANS_OUT_DQ	Accoustic	Microphone	IMC	There are some large sound around the trigger. Also, there is some signal detected by the ACC. Some human activity noise? If this glitch was occurred by non-human activity, this will be serious noise. (But, there may be some people because trigger occurred at about 17:00)	1246608361	2019 07 08 17:0	https://www.icrr.u	3506	22.4	6	
2019/07/11 7:37:	Takaaki Yokozawa	Onsite	K1:IMC-CAV_TRANS_OUT_DQ	None	None	IMC	Kimyou sugite warau Some excitation and oscillation?	1246608553	2019 07 08 17:0	https://www.icrr.u	100	498.5	0.008	
2019/07/11 8:10:	Takaaki Yokozawa	Onsite	K1:IMC-CAV_TRANS_OUT_DQ	None	None	IMC	Kimyou sugite warau Some excitation and oscillation? Also, the center frequency was decreased. Similar signals are observed at the almost all IMC channels	1246608553	2019 07 08 17:0	https://www.icrr.u	100	498.5	0.008	
2019/07/11 13:56	Takaaki Yokozawa	Onsite	K1:IMC-CAV_TRANS_OUT_DQ	Seismic activity	Accelerometer	PSL	The beating of the ACC will be come from the combination of the ~4.3Hz This is just memo, not trigger investigation	1246618074	2019 07 08 19:4	https://www.icrr.u	328	18.7	1.5	
2019/07/13 11:25	Chihiro Kozakai	Onsite	K1:LSC-CARM_SERVO_MIXER_DAQ_OUT_DQ	Laser	None	IMC	Frequency range of the plots are not enough to see 10 Hz glitch... IMC seems started oscillation 1 sec before glitch.	1244000820	2019 06 08 12:4	https://www.icrr.u	15	10.9	0.188	
2019/07/13 11:25	Chihiro Kozakai	Onsite	K1:LSC-CARM_SERVO_MIXER_DAQ_OUT_DQ	Laser	None	IMC	IMC-CAV_TRANS has glitch.	1244003619	2019 06 08 13:3	https://www.icrr.u	10	10.7	1	
2019/07/13 11:31	Chihiro Kozakai	Onsite	K1:LSC-CARM_SERVO_MIXER_DAQ_OUT_DQ	Laser	None	IMC	IMC has glitch.	1244005718	2019 06 08 14:0	https://www.icrr.u	11	14.8	0.75	
2019/07/13 11:32	Chihiro Kozakai	Onsite	K1:LSC-CARM_SERVO_MIXER_DAQ_OUT_DQ	Laser	None	IMC	IMC has glicth.	1244006278	2019 06 08 14:1	https://www.icrr.u	18	13.6	1.5	
2019/07/13 11:35	Chihiro Kozakai	Onsite	K1:LSC-CARM_SERVO_MIXER_DAQ_OUT_DQ	Laser	None	IMC	IMC has glicth.	1244007732	2019 06 08 14:4	https://www.icrr.u	14	12.6	4	
2019/07/13 11:40	Chihiro Kozakai	Onsite	K1:LSC-CARM_SERVO_MIXER_DAQ_OUT_DQ	Laser	None	IMC	IMC has glitch.	1244008085	2019 06 08 14:4	https://www.icrr.u	17	14	1	
2019/07/13 11:42	Chihiro Kozakai	Onsite	K1:IMC-CAV_TRANS_OUT_DQ	Seismic activity	Seismometer	Center	Earthquake	1244008085	2019 06 08 14:4	https://www.icrr.u	17	14	1	
2019/07/13 11:43	Chihiro Kozakai	Onsite	K1:LSC-CARM_SERVO_MIXER_DAQ_OUT_DQ	Laser	None	IMC	IMC has glitch.	1244010195	2019 06 08 15:2	https://www.icrr.u	14	13.4	1.875	
2019/07/13 11:45	Chihiro Kozakai	Onsite	K1:IMC-CAV_TRANS_OUT_DQ	Seismic activity	Seismometer	IMC	Earthquake	1244010195	2019 06 08 15:2	https://www.icrr.u	14	13.4	2.25	
2019/07/13 11:46	Chihiro Kozakai	Onsite	K1:LSC-CARM_SERVO_MIXER_DAQ_OUT_DQ	Real time system	Control system	Control system	DAQ trouble	1244010445	2019 06 08 15:2	https://www.icrr.u	12	13.2	1.5	
2019/07/13 11:45	Chihiro Kozakai	Onsite	K1:LSC-CARM_SERVO_MIXER_DAQ_OUT_DQ	Seismic activity	Seismometer	IMC	earthquake	1244014927	2019 06 08 16:4	https://www.icrr.u	18	12.8	2	
2019/07/13 11:55	Chihiro Kozakai	Onsite	K1:LSC-CARM_SERVO_MIXER_DAQ_OUT_DQ	Real time system	Control system	IMC	ALS-X_ARM_REFL has strange behaviour before glitch.	1244016899	2019 06 08 17:1	https://www.icrr.u	11	12.8	0.75	
2019/07/15 5:36:	Yuzurihara	Offsite	K1:LSC-AS_PDA1_RF17_Q_ERR_DQ	None	None	None	This glitch looks like not related to lockloss.	1247034918	2019 07 13 15:3	https://www.icrr.u	11	95.4	0.008	
2019/07/15 5:37:	Yuzurihara	Offsite	K1:LSC-AS_PDA1_RF17_Q_ERR_DQ	None	None	None	All the GlitchPlot seems not to be available.	1247026446	2019 07 13 13:1	https://www.icrr.u	7	260.8	0.016	
2019/07/15 5:37:	Yuzurihara	Offsite	K1:LSC-AS_PDA1_RF17_Q_ERR_DQ	None	None	None	All the GlitchPlot seems not to be available.	1247026446	2019 07 13 13:1	https://www.icrr.u	7	260.8	0.016	

2019/07/15 7:56	Takahiro Yamamoto	Onsite	K1:LSC-AS_PDA1_RF17_Q_ERR_DQ	None	None	None	There is no lockless at least during 15 minutes before and after.	1247082250	2019 07 14 4:43:	https://www.icrr.u	1638	8.2	8																
2019/07/15 9:53:	Takahiro Yamamoto	Onsite	K1:LSC-AS_PDA1_RF17_Q_ERR_DQ	None	None	None	It is not a event related with locklose.	1247033838	2019 07 13 15:1	https://www.icrr.u	12	114.3	0.219																
2019/07/15 12:34	KNagano	Offsite	K1:IMC-CAV_TRANS_OUT_DQ	Seismic activity	Seismometer	Out of mine	I cannot find earthquake information in JMA (気象庁) homepage corresponding this event. This indicates this has been very small earthquake whose seismic intensity (震度) has been less than 1.	1247057411	2019 07 13 21:4	https://www.icrr.u	185	4.3	7.25																
2019/07/15 12:31	KNagano	Offsite	K1:IMC-CAV_TRANS_OUT_DQ	Seismic activity	Seismometer	Out of mine	I cannot find earthquake information in JMA (気象庁) homepage corresponding this event. This indicates this has been very small earthquake whose seismic intensity (震度) has been less than 1.	1247057411	2019 07 13 21:4	https://www.icrr.u	185	4.3	7.25																
2019/07/15 15:0	Keiko	Onsite	K1:IMC-CAV_TRANS_OUT_DQ	Laser	None	PSL	PMC glitch, Maybe PD saturation.	1247027360	2019 07 13 13:2	https://www.icrr.u	29	22.4	0.625																
2019/07/15 15:0	Keiko	Onsite	K1:IMC-CAV_TRANS_OUT_DQ	Laser	None	None	glitch in refcav?	1247027587	2019 07 13 13:3	https://www.icrr.u	38	9.8	11																
2019/07/15 15:0	Keiko	Onsite	K1:PSL-PMC_TRANS_DC_OUT_DQ	None	None	None	no plot?	1247027589	2019 07 13 13:3	https://www.icrr.u	38	34.3	0.5																
2019/07/15 15:5	Keiko	Onsite	K1:PSL-PMC_TRANS_DC_OUT_DQ	None	None	None	no plot?	1247027589	2019 07 13 13:3	https://www.icrr.u	38	34.3	0.5																
2019/07/19 16:0	Takaaki Yokozawa	Onsite	K1:IMC-CAV_TRANS_OUT_DQ	Other	Other	Out of mine	Give us the trigger information!	1247090134	2019 07 14 6:55:	https://www.icrr.u	31	23.6	0.094																
2019/07/19 17:3	Chihiro Kozakai	Offsite	K1:LSC-REFL_PDA1_RF17_Q_ERR_DQ	Real time system	Oplev	IY	MN Oplev shows glitch but different f from trigger's. Trigger f=30 Hz, ITMY Oplev f=80 Hz.	1247024292	2019 07 13 12:3	https://www.icrr.u	6	31.4	0.016																
2019/07/19 21:1	Yuzurihara	Offsite	K1:IMC-CAV_TRANS_OUT_DQ	Laser	None	None	I found glitch in MCI and MCE. https://www.icrr.u-tokyo.ac.jp/~yuzu/bKAGRA_summary/Glitch/Plot/20190713/glitch_1247039620.5_K1:IMC-CAV_TRANS_OUT_DQ/K1:VIS-MCI_TM_OPLEV_YAW_OUT_DQ_qtransform_1247039623.5_1247039635.5_K1:IMC-CAV_TRANS_OUT_DQ.png https://www.icrr.u-tokyo.ac.jp/~yuzu/bKAGRA_summary/Glitch/Plot/20190713/glitch_1247039620.5_K1:IMC-CAV_TRANS_OUT_DQ/K1:VIS-MCO_TM_OPLEV_YAW_OUT_DQ_qtransform_1247039623.5_1247039635.5_K1:IMC-CAV_TRANS_OUT_DQ.png	1247039630	2019 07 13 16:5	https://www.icrr.u	35	9.9	0.5																
2019/07/19 21:1	Yuzurihara	Offsite	K1:PSL-PMC_TRANS_DC_OUT_DQ	Unknown	None	None	I could not find any cause.	1247039630	2019 07 13 16:5	https://www.icrr.u	47	8.2	4.5																
2019/07/22 9:37:	Chihiro Kozakai	Onsite	K1:IMC-CAV_TRANS_OUT_DQ	Seismic activity	Seismometer	IX	Seismic motion is observed 1sec before trigger.	1247039630	2019 07 13 16:5	https://www.icrr.u	NA	NA	NA																
2019/07/22 9:51	Chihiro Kozakai	Onsite	K1:PSL-PMC_TRANS_DC_OUT_DQ	Seismic activity	Seismometer	IX	Small seismic motion exists.	1247039630	2019 07 13 16:5	https://www.icrr.u	NA	NA	NA																
2019/07/29 12:3	Chihiro Kozakai	Onsite	K1:LSC-POP_PDA1_DC_OUT_DQ	Laser	None	PSL	PSL and IMC output has strange spectrogram.	1247024654	2019 07 13 12:4	https://www.icrr.u	11	14.9	0.75																
2019/07/29 15:5	Chihiro Kozakai	Offsite	K1:PSL-PMC_TRANS_DC_OUT_DQ	Other	Accelerometer	PSL	Environment, local vibration. Not clear, but K1:PEM-ACC_PSL_PORTABLE2_OUT_DQ shows coherence. It is attached to the pole for green fiber.	1247024651	2019 07 13 12:4	https://www.icrr.u	35	21.2	0.75																
2019/07/29 16:2	Chihiro Kozakai	Offsite	K1:IMC-CAV_TRANS_OUT_DQ	Accoustic	Microphone	IMC	K1:PEM-MIC_MCF_TABLE_IMCREFL_Z_OUT_DQ time series seems larger oscillation than usual, but not visible in spectrogram.	1247024654	2019 07 13 12:4	https://www.icrr.u	63	9.2	4.5																
2019/07/30 14:4	Chihiro Kozakai	Onsite	K1:LSC-POP_PDA1_RF17_Q_ERR_DQ	Seismic activity	Seismometer	Center	0/V seismometer	1247028401	2019 07 13 13:4	https://www.icrr.u	8	8.6	0.25																
2019/07/30 16:4	Chihiro Kozakai	Onsite	K1:LSC-POP_PDA1_RF17_Q_ERR_DQ	Seismic activity	Seismometer	Center	Seismometers has relatively larger coherance, but not so clear. Glitches are observed in many oplevs.	1247030287	2019 07 13 14:1	https://www.icrr.u	8	9.7	1																
2019/07/30 17:5	Chihiro Kozakai	Onsite	K1:LSC-POP_PDA1_RF17_Q_ERR_DQ	Seismic activity	Seismometer	Center		1247030800	2019 07 13 14:2	https://www.icrr.u	9	11.5	0.5																
2019/07/30 18:0	Chihiro Kozakai	Onsite	K1:LSC-POP_PDA1_RF17_Q_ERR_DQ	Seismic activity	Seismometer	Center		1247036023	2019 07 13 15:5	https://www.icrr.u	22	8.6	4.75																
2019/07/30 18:11	Chihiro Kozakai	Onsite	K1:LSC-POP_PDA1_RF17_Q_ERR_DQ	Seismic activity	Seismometer	Center		1247036887	2019 07 13 16:0	https://www.icrr.u	15	4.1	4																
2019/07/31 15:1	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_IMC_FREQUENCY_DQ	Seismic activity	Seismometer	Center	Seismometer UD channels has glitch.	1247028400	2019 07 13 13:4	https://www.icrr.u	19	8.9	1																
2019/07/31 16:3	Chihiro Kozakai	Onsite	K1:CAL-CS_PROC_IMC_FREQUENCY_DQ	Seismic activity	Seismometer	Center		1247042488	2019 07 13 17:4	https://www.icrr.u	32	7.8	8																

# submit date	# submitter name	# onsite or off-site 0 : submit from onsite 1 : submit from off-site	# trigger channel name	# glitch class 0 : Unknown, 20 : PSL, 40 : IMC 60 : Seismic, 80 : Acoustic 100 : Trigger channel, 120 : other Note:	# comment	# GPS time	# JST time of glitch	# URL	# catalog description 2019/07/02 Updated the available parameters to add candidate locations So, I make the different version. Here GlitchPlot Catalogv1
help of the GlitchPlot is here. https://gwdoc.icrr.u-tokyo.jp/mediawiki/index.php/GlitchPlot									
2019/06/21 17:34:39	Tomotada Akutsu	0	K1:PEM_ACC_MCF_TABLE_REFL_Z_OUT_DQ	120	It does not seem the MCs spike is properly wind-shielded.	1245008418	2019 06 20 4:40:01	https://wwwk.icrr.u	
					Not to sure. Not so sure. Might the PMC lockloss affect the other PSL instruments the other way around, e.g. via power supply?				
2019/06/22 0:29:49	Khagano	1	K1:PSL_PMC_TRANS_DC_OUT_DQ	60	Similar glitch happened at 1244876288.0.	1245008474	2019 06 20 4:40:57	https://wwwk.icrr.u	
2019/06/24 16:32:39	Chihiro Kozaki	1	K1:PSL-PMC_TRANS_DC_OUT_DQ	60	PSM-ACC_PSL_TABLE_PSL3 is suspicious.	1245134640	2019 06 21 15:42:03	https://wwwk.icrr.u	
2019/06/25 10:31:37	Takaaki Yokozawa	0	K1:PEM-ACC_MCF_TABLE_REFL_Z_OUT_DQ	120	Goodpost	1245135618	2019 06 21 16:00:01	https://wwwk.icrr.u	
2019/06/25 18:20:30	yamst	0	K1:IMC-CAV_TRANS_OUT_DQ	40	I wonder that this glitch is a effect of locklose, not a cause of locklose. 時々PEM channelに長め信号が見たまずせん。例えばこのパーンのような信号です。 PEMはACCにあり電子しまます。。。	1245233909	2019 06 22 19:18:12	https://wwwk.icrr.u	
2019/06/26 8:56:06	Takaaki Yokozawa	0	K1:PEM-ACC_MCF_TABLE_REFL_Z_OUT_DQ	20		1245475740	2019 06 25 14:28:43	https://wwwk.icrr.u	
2019/06/26 8:09:09	Takaaki Yokozawa	0	K1:PSL-PMC_TRANS_DC_OUT_DQ	20	lock loss の時間はいつなの。ロックlossにPFSlock loss時間とPMClock loss時間があります。 後者で、一番ちかいmarkerはGPSマンキルのlock loss時間とおもいこちらのほうが、lock recoveryに関係ありそうなので、 最初のほうのほうが良いかもしれません。	1245440337	2019 06 25 4:38:40	https://wwwk.icrr.u	
					時々ロックを外れ、再開する。再開ちょが、MCが次に正確に立ち、IMMTTの直流信号あるいは可作を最後にでいたりしあ、PMCのロックが外れ、その後復帰するのいを思い出します。 http://klog.icrr.u-tokyo.ac.jp/osl?r=9350				
2019/06/26 8:12:21	Takaaki Yokozawa	0	K1:PEM-ACC_MCF_TABLE_REFL_Z_OUT_DQ	40	(実験で重いい(ひろがいい？)	1245475740	2019 06 25 14:28:43	https://wwwk.icrr.u	
2019/06/26 8:14:29	Takaaki Yokozawa	0	K1:IMC-CAV_TRANS_OUT_DQ	40	This is also the activities of the ISS team. http://klog.icrr.u-tokyo.ac.jp/osl?r=9350	1245483635	2019 06 25 16:40:19	https://wwwk.icrr.u	
2019/06/26 15:16:41	yuzurihara	1	K1:PSL-PMC_TRANS_DC_OUT_DQ	20	There seems to be strange behavior in PSL-PMC_P2T_SLOW_OUT_DQ. 30 seconds ago of trigger See the figure, https://www.icrr.u-tokyo.ac.jp/~yuzu/SKAGRA_summary/GlitchPlot/20190625/to-ddsea_1245440327.0_K1:PSL-PMC_TRANS_DC_OUT_DQ/K1:PSL-PMC_P2T_SLOW_OUT_DQ_timeseries_1245440240.0_1245440470.0_lockloss_1245440337.0_K1:PSL-PMC_TRANS_DC_OUT_DQ.png	1245440337	2019 06 25 4:38:40	https://wwwk.icrr.u	
2019/06/26 15:18:59	yuzurihara	1	K1:PSL-PMC_TRANS_DC_OUT_DQ	60	I found the big transient change in seismic sensor or PSM-ACC_PSL_PORTABLE_1 See https://www.icrr.u-tokyo.ac.jp/~yuzu/SKAGRA_summary/GlitchPlot/20190625/glitch_1245471543.0_K1:PSL-PMC_TRANS_DC_OUT_DQ/K1:PEM-ACC_PSL_PORTABLE_1_OUT_DQ_timeseries_1245471524.0_1245471584.0_glitch_1245471543.0_K1:PSL-PMC_TRANS_DC_OUT_DQ.png	1245471543	2019 06 25 13:18:46	https://wwwk.icrr.u	
2019/06/26 15:51:27	yuzurihara	1	K1:IMC-CAV_TRANS_OUT_DQ	120	(comment to Kozaqy) The frequency band in each spectrogram looks too large.	1245473367	2019 06 25 14:22:30	https://wwwk.icrr.u	
					After the glitch, the power of both PSL and IMC seems to increase. But, I don't know the reason. See https://www.icrr.u-tokyo.ac.jp/~yuzu/SKAGRA_summary/GlitchPlot/20190625/glitch_1245473591.5_K1:IMC-CAV_TRANS_OUT_DQ/K1:PEM-IMC-CAV_TRANS_OUT_DQ_spectrogram_1245475324.5_1245475185.5_glitch_1245473591.5_K1:IMC-CAV_TRANS_OUT_DQ.png				
2019/06/26 15:53:56	yuzurihara	1	K1:IMC-CAV_TRANS_OUT_DQ	0		1245475392	2019 06 25 14:17:55	https://wwwk.icrr.u	
					WOW. I couldn't find any strange feature before and after trigger.				
2019/06/26 15:55:35	yuzurihara	1	K1:PSL-PMC_TRANS_DC_OUT_DQ	0	The glitch I found the small onset fluctuation in PEM-IMC_MCF_TABLE_IMCREFL_Z before the trigger. I'm not sure the relation between that channel and trigger. See https://www.icrr.u-tokyo.ac.jp/~yuzu/SKAGRA_summary/GlitchPlot/20190625/glitch_1245474589.0_K1:IMC-CAV_TRANS_OUT_DQ/K1:PEM-IMC_MCF_TABLE_IMCREFL_Z_OUT_DQ_whitenspectrogram_1245474337.0_1245474161.0_glitch_1245474589.0_K1:IMC-CAV_TRANS_OUT_DQ.png	1245474429	2019 06 25 14:06:52	https://wwwk.icrr.u	
2019/06/26 15:58:13	yuzurihara	1	K1:IMC-CAV_TRANS_OUT_DQ	80	It is strange. On 2019 06 25, all the "lockout" trigger have the central frequency from 4.204E1Hz to 4.279E4Hz. This is code bug? or actually central frequency is 4.2o4 3Hz?	1245474069	2019 06 25 14:01:22	https://wwwk.icrr.u	
2019/06/26 16:01:52	yuzurihara	1	K1:PSL-PMC_TRANS_DC_OUT_DQ	120		1245440337	2019 06 25 4:38:40	https://wwwk.icrr.u	
					I couldn't see the information of the main channels. But there are many correlated signal around the IMC				
2019/06/27 10:11:27	Yoko	0	K1:PEM-ACC_MCF_TABLE_REFL_Z_OUT_DQ	0		1245556680	2019 06 26 14:04:23	https://wwwk.icrr.u	
2019/06/28 10:00:39	Chihiro Kozaki	0	K1:IMC-CAV_TRANS_OUT_DQ	60	Earthquake.	1245657727	2019 06 27 17:01:50	https://wwwk.icrr.u	
2019/06/28 11:15:25	KK	0	K1:PSL-PMC_TRANS_DC_OUT_DQ	0		1245471543	2019 06 25 13:18:46	https://wwwk.icrr.u	
2019/06/28 11:16:23	KK	0	K1:IMC-CAV_TRANS_OUT_DQ	120	we were commissioning IMC error signals	1245471544	2019 06 25 13:18:47	https://wwwk.icrr.u	
2019/06/28 11:18:30	KK	0	K1:PSL-PMC_TRANS_DC_OUT_DQ	0		1245835178	2019 06 27 10:46:01	https://wwwk.icrr.u	
2019/06/28 11:20:16	KK	0	K1:IMC-CAV_TRANS_OUT_DQ	40	I was tweaking the angular loops of IMC this time.	1245567930	2019 06 27 19:51:53	https://wwwk.icrr.u	

# submit date	# submitter name	# onsite or	# trigger channel name	# glitch class	# comment	# GPS time	# JST time of glitch	# URL	# catalog description
help of the GlitchPlot is here. https://gwdet.icrr.u-tokyo.		0 : submit from onsite 1 : submit from off-site		0 : Unknown, 20 : PSL, 40 : IMC 60 : Seismic, 80 : Acoustic 100 : Trigger channel, 120 : other reasons					2019/07/02 Updated the available parameters to add candidate locations So, I make the different version. Here GlitchPlot Catalogv1

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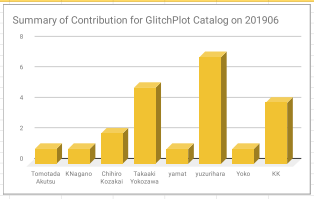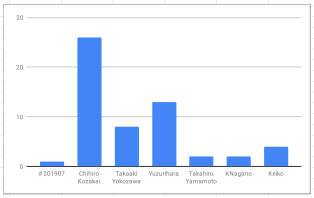
# 201906	# 201907	201908	201909	201910	201911	201912	201913	201914	201915
Tomotada Akutsu	Chihiro Kozakai								
KNagano	Takaaki Yokozawa								
Chihiro Kozakai	Yuzurihara								
Takaaki Yokozawa	Yuzurihara			作りかけ、たぶんここで作るのはやめます					
yamat	Yuzurihara								
Takaaki Yokozawa	Yuzurihara								
Takaaki Yokozawa	Yuzurihara								
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Yoko	Chihiro Kozakai								
Chihiro Kozakai	Chihiro Kozakai								
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