

Installation of GDS broadcaster

L-K CDS Meeting
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Instration of GDS broadcaster (k1bcst0)

- I succeeded to install k1bcst0 on the test-bench system (v3.1.1) & on the KAGRA system (v2.9.7).
- KAGRA's CAL group(gstlal-calibration) has already received the 1-second long frames.
- We now broadcast the 1-sec. long frames to CDS network (1Gbps)

K1BCST0	
CYCLE	600543
TOTAL_CHANS	33039
DATA_RATE	5799
EDCU_CHANS	0
EDCU_CONN_CHANS	0
UPTIME_SECONDS	37534
LOOKBACK_RAM	10
LOOKBACK_FULL	1984
LOOKBACK_DIR	0
LOOKBACK_STREND	0
LOOKBACK_STREND_DIR	0
LOOKBACK_MTREND	0
LOOKBACK_MTREND_DIR	0
FAST_DATA_CRC	4294967295
FAULT	0
BCAST_RETR	0
BCAST_FAILED_RETR	0
GPS	1221417233
CHANS_SAVED	2
FRAME_SIZE	14058
SCIENCE_FRAME_SIZE	0
SCIENCE_TOTAL_CHANS	32796
SCIENCE_CHANS_SAVED	0

Warning: kill daqd.bcst0 (need password)

! DAQ KILL

Schematic view of the our network construction

- The 1-sec. long frames flow on the general-purpose network in the current situation.
- Is the network bandwidth shortage in the near future?
- Should we prepare the dedicated network for the GDS broadcaster?

