

# Activities

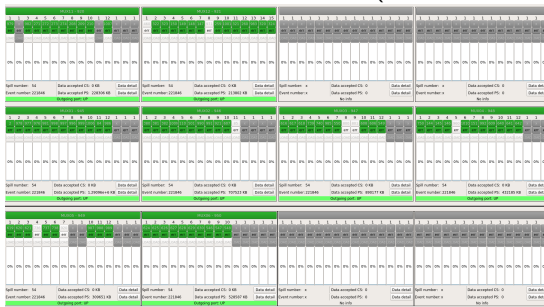
- Deployment of new DAQ GUI and start of run scripts
- Testing of DAQ Equipment (Hardware/Servers)
  - Major problem with TCS distribution popped-up → solved!
  - Problem with pre calibration Trigger for HCAL → solved!
- Integration of Artificial Spill Generator / Switch in DAQ GUI
- New network topology and 25Gbit Switch (dedicated networks for SlowCTRL/IPBus/IPMI)
- High trigger rate tests → on-going
- High data rate tests → on-going
- Integration of the CTA data transfer → on-going

Many small bugs where found and fixed!

No new hardware was installed (new switch and ReadOut cards)

# Included Equipment

Shows status of the data concentrate level (more errors in MurphyTV)



**971** (DC05 is included but give to much data during high rate test)  
**460** (MWPC) gives errors at the beginning of the spill  
**800/801** M1-TDC and Gandalf ADC Master-time was excluded (and removed from mapping) **960** Beam-Mon not operational (Help for Gandalf is needed)

# High trigger rate test

TCSinfo

channel	name	incount	outcount	divide	new setting
0	SYNC	495166	495162	1	1
1	MT	1782	1782	1	1
2	LT	2103	1406	1	1
3	OT	24707	24707	1	1
4	CT	0	0	0	0
5	VI	0	0	0	0
6	Halo	0	0	0	0
7	BT	31	0	0	0
8	MTIncl	0	0	0	0
9	LAST	0	0	0	0
10	TRand	34819	34819	1	1
11	NRand	433739	433718	1	1

Load new settings

	Current setting		New setting		
	On spill	Off spill	On spill	Off spill	Rate
Calibration ch. 12	---	---	<input type="checkbox"/>	<input type="checkbox"/>	Low
Calibration ch. 13	---	Low	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Low

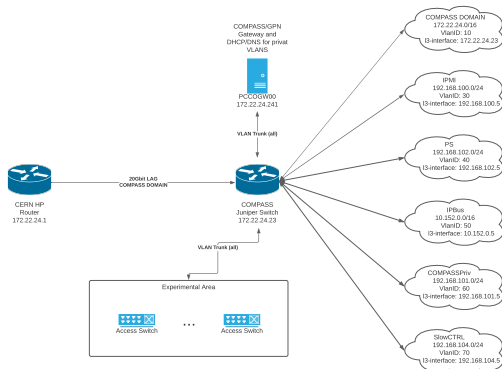
Apply calibration triggers

High rate test was performed on 08.12.2020

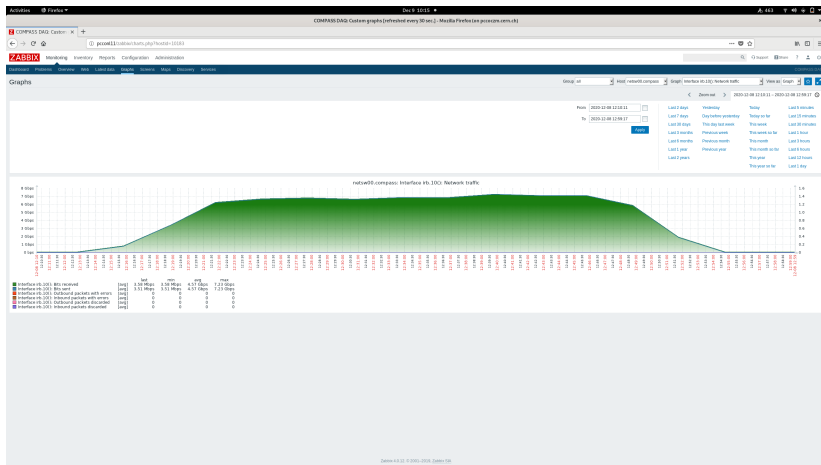
DAQ is stable with 220k accepted triggers/spill

# New Network Scheme

## 48x25Gbit Ports + 8x100Gbit Up-links

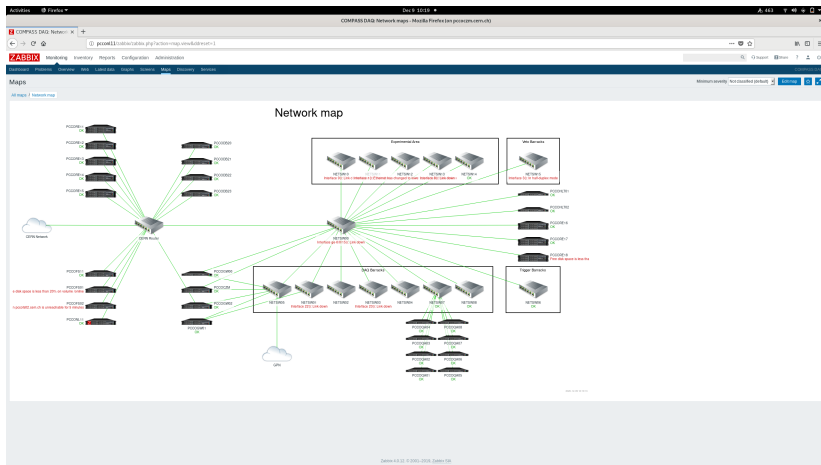


# Speed towards CTA



Over 7 Gbit/s archived!

# Network Map



All network equipment is integrated in Zabbix monitoring!