

Collimation MP tests

- Executed $86 \times 18 = 1548$ tests in 2 days
- Transfer Line + TDI ongoing
- Issues encountered and fixed:
 - IP8:** the new, 1-beam TCTPV was still connected to 2 beam BICs (like to old 2-beam TCTVB)
 - 2 & 3-BIC for inj. prot. colls:** not all OUT limits connected to inj. BIC and not all IN limits connected to ring BIC.

Status of TCSG.A5L7.B1 connection to CIB.TZ76.U7.B1

Collimator MP sequence for Information on monitoring: TCSG.A5L7.B1 / TCSG.IP7.B1.3.S
TCSG.A5L7.B1/ CollimatorStatus#prsErrors
CIB.TZ76.U7.B1/ COLLPOS input (CH8)
19/03/2015 13:13:19

Sensor - Limit violated	BIC fault	BIC time	PRS fault	PRS time	Delay [ms]	LVDT - Limit [mm]	Result
GAP DOWNSTREAM - BETA L...	Ok	13:19:12:096	Ok	13:19:12:694	-598	0.45	Ok
GAP UPSTREAM - BETA LIM ...	Ok	13:18:54:936	Ok	13:18:55:694	-758	-0.45	Ok
GAP DOWNSTREAM - BETA L...	Ok	13:18:38:046	Ok	13:18:38:693	-647	0.56	Ok
GAP UPSTREAM - BETA LIM ...	Ok	13:18:21:105	Ok	13:18:21:694	-589	0.55	Ok
GAP DOWNSTREAM - ENERG...	Ok	13:18:01:125	Ok	13:18:01:693	-568	0.57	Ok
GAP UPSTREAM - ENERGY M...	Ok	13:17:44:205	Ok	13:17:44:693	-488	0.55	Ok
GAP DOWNSTREAM - IN	Ok	13:17:20:295	Ok	13:17:20:693	-398	-0.45	Ok
GAP DOWNSTREAM - OUT	Ok	13:17:01:554	Ok	13:17:01:693	-139	0.57	Ok
GAP UPSTREAM - IN	Ok	13:16:39:794	Ok	13:16:40:693	-899	-0.39	Ok
GAP UPSTREAM - OUT	Ok	13:16:21:084	Ok	13:16:21:692	-608	0.55	Ok
RIGHT DOWNSTREAM - IN	Ok	13:15:59:464	Ok	13:15:59:692	-228	0.52	Ok
RIGHT DOWNSTREAM - OUT	Ok	13:15:40:704	Ok	13:15:40:693	11	-0.49	Ok
RIGHT UPSTREAM - IN	Ok	13:15:18:984	Ok	13:15:19:692	-708	0.54	Ok
RIGHT UPSTREAM - OUT	Ok	13:15:00:174	Ok	13:15:00:692	-518	-0.47	Ok
LEFT DOWNSTREAM - IN	Ok	13:14:38:423	Ok	13:14:38:692	-269	-0.49	Ok
LEFT DOWNSTREAM - OUT	Ok	13:14:19:703	Ok	13:14:19:692	11	0.52	Ok
LEFT UPSTREAM - IN	Ok	13:13:57:853	Ok	13:13:58:692	-839	-0.31	Ok
LEFT UPSTREAM - OUT	Ok	13:13:39:103	Ok	13:13:39:691	-588	0.52	Ok

Status of TCLIB.6L8.B2 connection to CIB.SR8.INJ2.2

Collimator MP sequence for Information on monitoring: TCLIB.6L8.B2 / TCLIP8.B2.2.V
TCLIB.6L8.B2/ CollimatorStatus#prsErrors
CIB.UA83.L8.B2/ COLLPOS input (CH8)
CIB.SR8.INJ2.2/ COLLPOS input (CH8)
20/03/2015 12:17:32

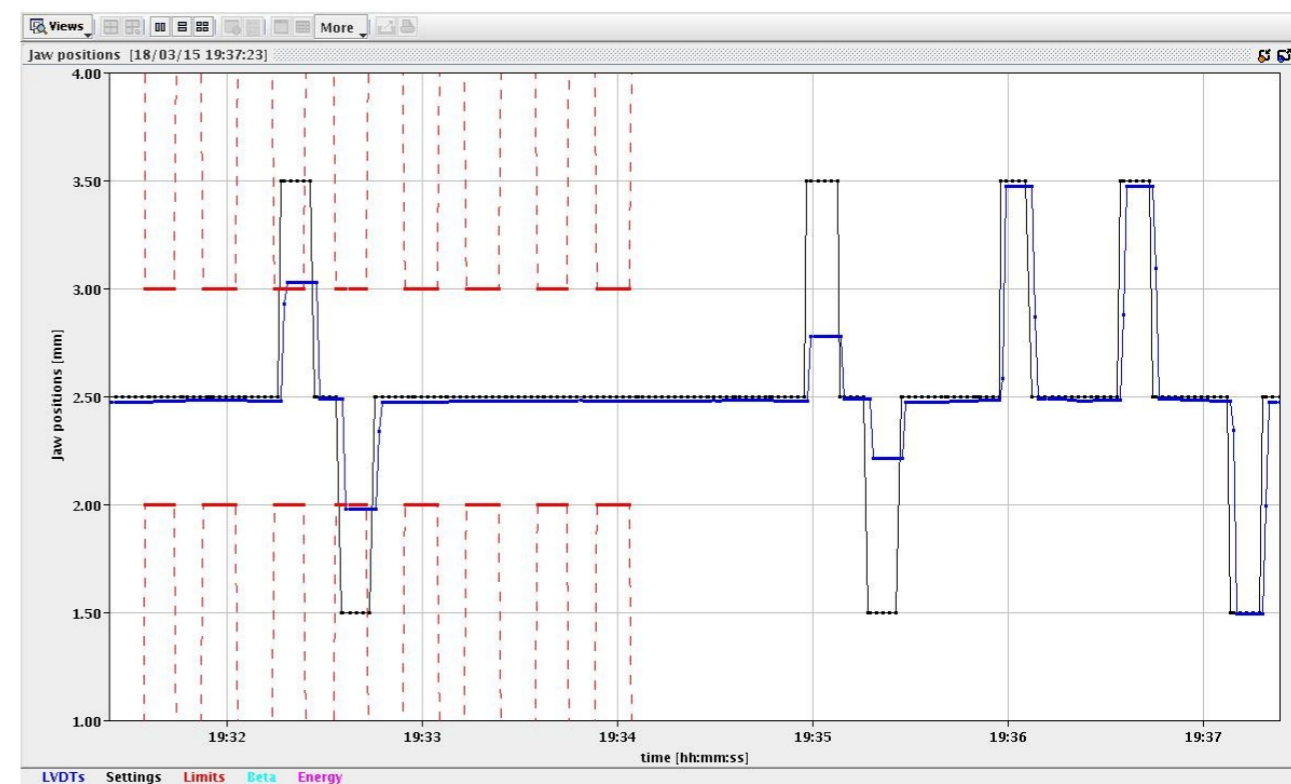
Sensor - Limit violated	BIC fault	BIC time	PRS fault	PRS time	Delay [ms]	LVDT - Limit [mm]	Result
GAP DOWNSTREAM - BETA L...	Not OK	0	Not OK	0	0	999.00	Not OK
GAP UPSTREAM - BETA LIM ...	Not OK	0	Not OK	0	0	999.00	Not OK
GAP DOWNSTREAM - BETA L...	Not OK	0	Not OK	0	0	999.00	Not OK
GAP UPSTREAM - BETA LIM ...	Not OK	0	Not OK	0	0	999.00	Not OK
GAP DOWNSTREAM - ENERG...	Ok	12:22:14:942	Ok	12:22:15:088	-146	0.44	Ok
GAP UPSTREAM - ENERGY M...	Ok	12:21:58:003	Ok	12:21:58:088	-85	0.47	Ok
GAP DOWNSTREAM - IN	Ok	12:21:34:102	Ok	12:21:34:088	14	0.51	Ok
GAP DOWNSTREAM - OUT	Not OK	0	Not OK	0	0	999.00	Not OK
GAP UPSTREAM - IN	Not OK	0	Not OK	0	0	999.00	Not OK
GAP UPSTREAM - OUT	Ok	12:20:34:621	Ok	12:20:35:087	-466	0.47	Ok
RIGHT DOWNSTREAM - IN	Not OK	0	Not OK	0	0	999.00	Not OK
RIGHT DOWNSTREAM - OUT	Ok	12:19:53:151	Ok	12:19:54:087	-936	0.41	Ok
RIGHT UPSTREAM - IN	Ok	12:19:31:381	Ok	12:19:32:086	-705	0.52	Ok
RIGHT UPSTREAM - OUT	Not OK	0	Not OK	0	0	999.00	Not OK
LEFT DOWNSTREAM - IN	Not OK	0	Not OK	0	0	999.00	Not OK
LEFT DOWNSTREAM - OUT	Ok	12:18:32:030	Ok	12:18:32:086	-56	0.44	Ok
LEFT UPSTREAM - IN	Not OK	0	Not OK	0	0	999.00	Not OK
LEFT UPSTREAM - OUT	Ok	12:17:51:440	Ok	12:17:52:086	-646	0.45	Ok



Status of TCLIB.6L8.B2 connection to CIB.SR8.INJ2.2

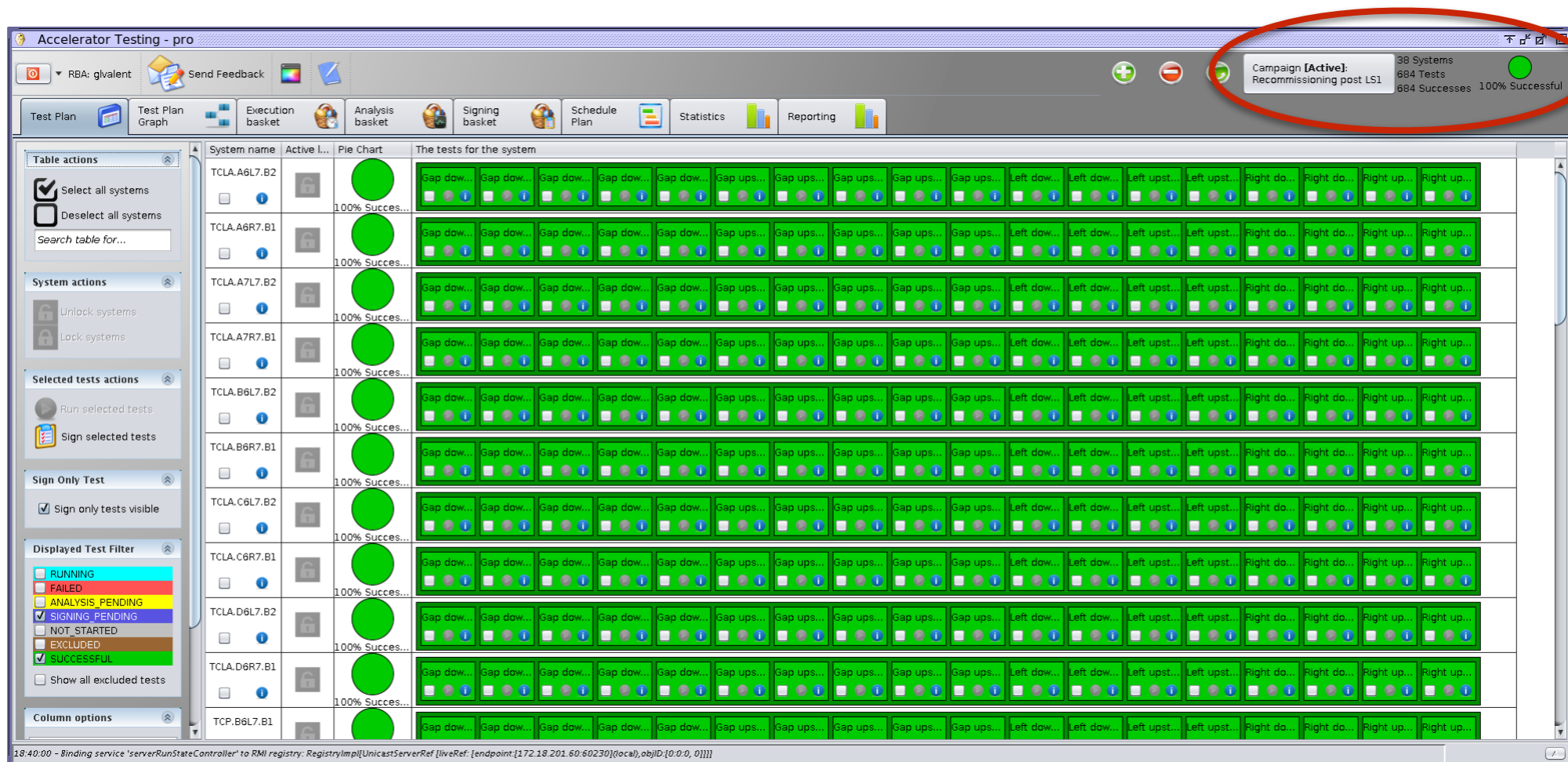
Collimator MP sequence for Information on monitoring: TCLIB.6L8.B2 / TCLIP8.B2.2.V
TCLIB.6L8.B2/ CollimatorStatus#prsErrors
CIB.UA83.L8.B2/ COLLPOS input (CH8)
CIB.SR8.INJ2.2/ COLLPOS input (CH8)
20/03/2015 22:00:59

Sensor - Limit violated	BIC fault	BIC time	PRS fault	PRS time	Delay [ms]	LVDT - Limit [mm]	Result
GAP DOWNSTREAM - BETA L...	Not OK	0	Not OK	0	0	999.00	Not OK
GAP UPSTREAM - BETA LIM ...	Not OK	0	Not OK	0	0	999.00	Not OK
GAP DOWNSTREAM - BETA L...	Not OK	0	Not OK	0	0	999.00	Not OK
GAP UPSTREAM - BETA LIM ...	Not OK	0	Not OK	0	0	999.00	Not OK
GAP DOWNSTREAM - ENERG...	Ok	22:05:41:258	Ok	22:05:41:994	-736	0.51	Ok
GAP UPSTREAM - ENERGY M...	Ok	22:05:24:308	Ok	22:05:24:993	-685	0.47	Ok
GAP DOWNSTREAM - IN	Not OK	0	Not OK	0	0	999.00	Not OK
GAP UPSTREAM - IN	Not OK	22:04:41:628	Not OK	22:04:41:993	-365	0.51	Not OK
GAP UPSTREAM - OUT	Ok	22:04:01:047	Ok	22:04:01:992	-945	0.47	Ok
RIGHT DOWNSTREAM - IN	Not OK	0	Not OK	0	0	999.00	Not OK
RIGHT DOWNSTREAM - OUT	Ok	22:03:20:627	Ok	22:03:20:992	-365	0.45	Ok
RIGHT UPSTREAM - IN	Not OK	0	Not OK	0	0	999.00	Not OK
RIGHT UPSTREAM - OUT	Ok	22:02:40:177	Ok	22:02:40:992	-815	0.54	Ok
LEFT DOWNSTREAM - IN	Not OK	0	Not OK	0	0	999.00	Not OK
LEFT DOWNSTREAM - OUT	Ok	22:01:59:576	Ok	22:01:59:992	-416	0.45	Ok
LEFT UPSTREAM - IN	Not OK	0	Not OK	0	0	999.00	Not OK
LEFT UPSTREAM - OUT	Ok	22:01:18:726	Ok	22:01:18:991	-765	0.45	Ok



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- Collimators imported into AccTesting in Jan 2015, implemented as sign-only test for now
- For 2016 recommissioning:
 - aim to execute tests only from AccTesting (need to handle 2/3 BIC collimators..)
 - upload results to AccTesting instead of current (painful) MTF
- Suggestions: shorten test names, allow MCS-collimation role to also execute tests



- RBAC: **OK**
- MCS-Collimation: **OK** after new release
- Collimator temperature tests: **to be done**
 - 90/731 tests failing
 - right of IP5 sensors appear not to be connected, CMW device N/A
- Crystal goniometer (verification of out-switch interlock, consignation of motors): **OK**
- Interlock response to power cut: **to be done today**
- Interlock response to PRS reboot: **to be done today**
- Local mode interlock: **to be done today**