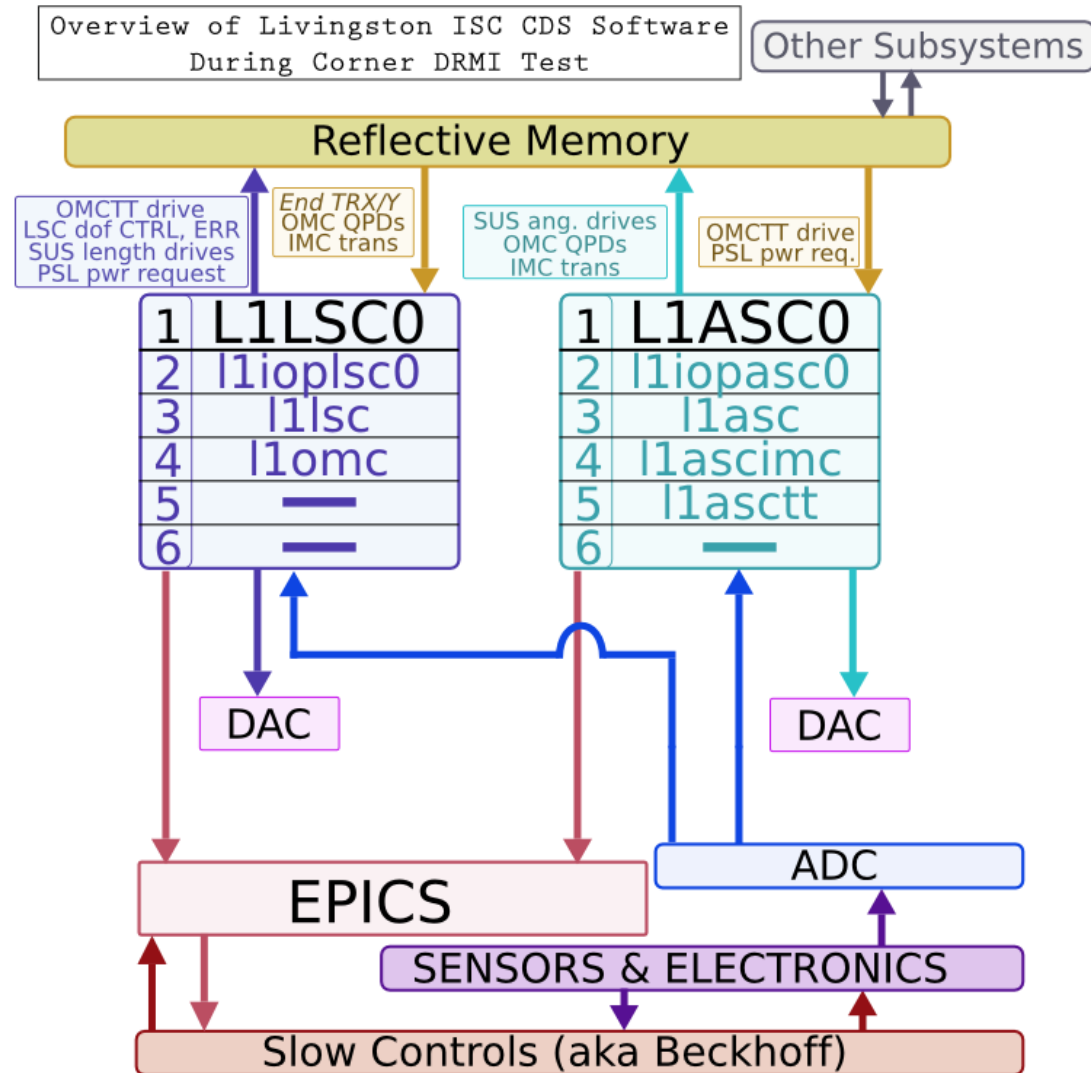


LLO ISC Software Overview For Corner DRMI Test Updates on Nov. 22, 2013

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For LLO ISC team

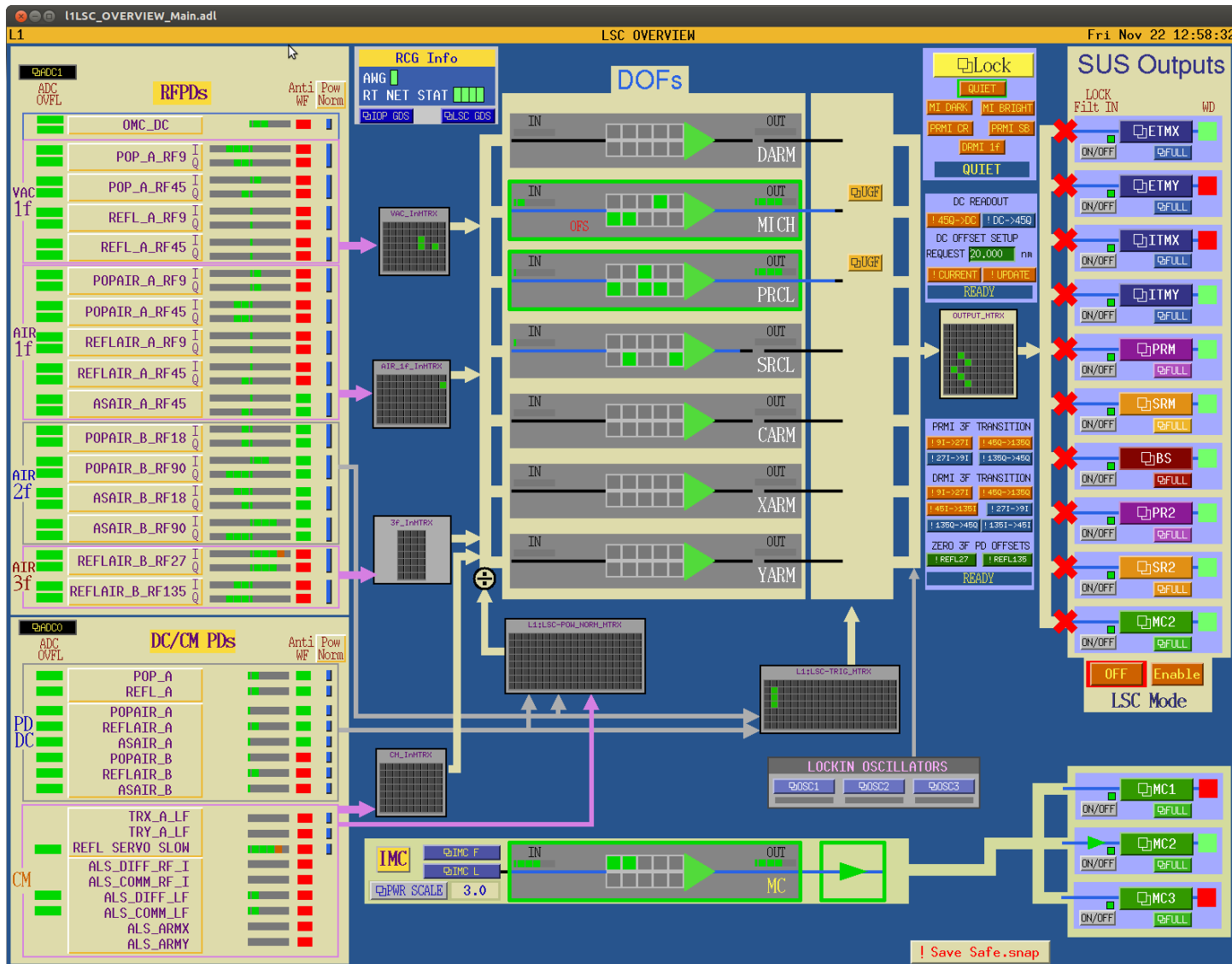
LIGO-G1300602-v2

General Overview of Current Status



- no end station models yet or ALS - will copy from LHO

I1sc - Den, Anamaria



- new: UGF servos
- new: 3 LOCKINs w/ 14 demods

no DAC outputs

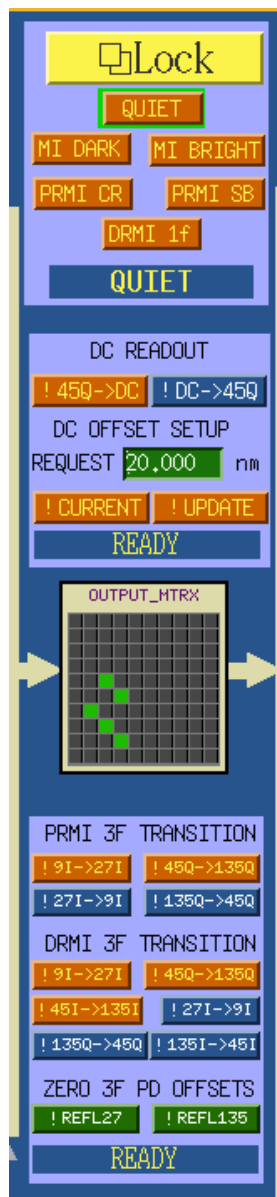
L1sc - Den, Anamaria

The screenshot shows the LSC_CUST_TRIG_MTRX.adl interface. It features a 'TRIGGER MATRIX' table with columns for various DOFs (e.g., OMC_DC, POPAIR_B_RF18) and a 'THRESHOLD' table with columns for 'Upper Thresholds (ENABLE)' and 'Lower Thresholds (DISABLE)'. The matrix contains numerical values, some of which are highlighted in green (e.g., -1.000, 1.000). The threshold table lists triggers like DARRL_TRIG, HIGH_TRIG, PRCL_TRIG, etc., with their respective upper and lower threshold values.

- set trigger for each DOF
- set filter trigger and delay - from 40m

The screenshot shows the LSC_FM_TRIG.adl interface. It displays settings for filter triggering, including 'Trigger Thresholds' (On/Off) and 'Delay FM trigger' in seconds. The interface is organized into sections for different triggers: DARM, MICH, and PRCL. Each section has a grid of buttons for FM1 through FM10, with 'Maned' and 'Trig' options. The DARM section has a delay of 0.00 seconds, MICH has 0.50 seconds, and PRCL has 0.50 seconds.

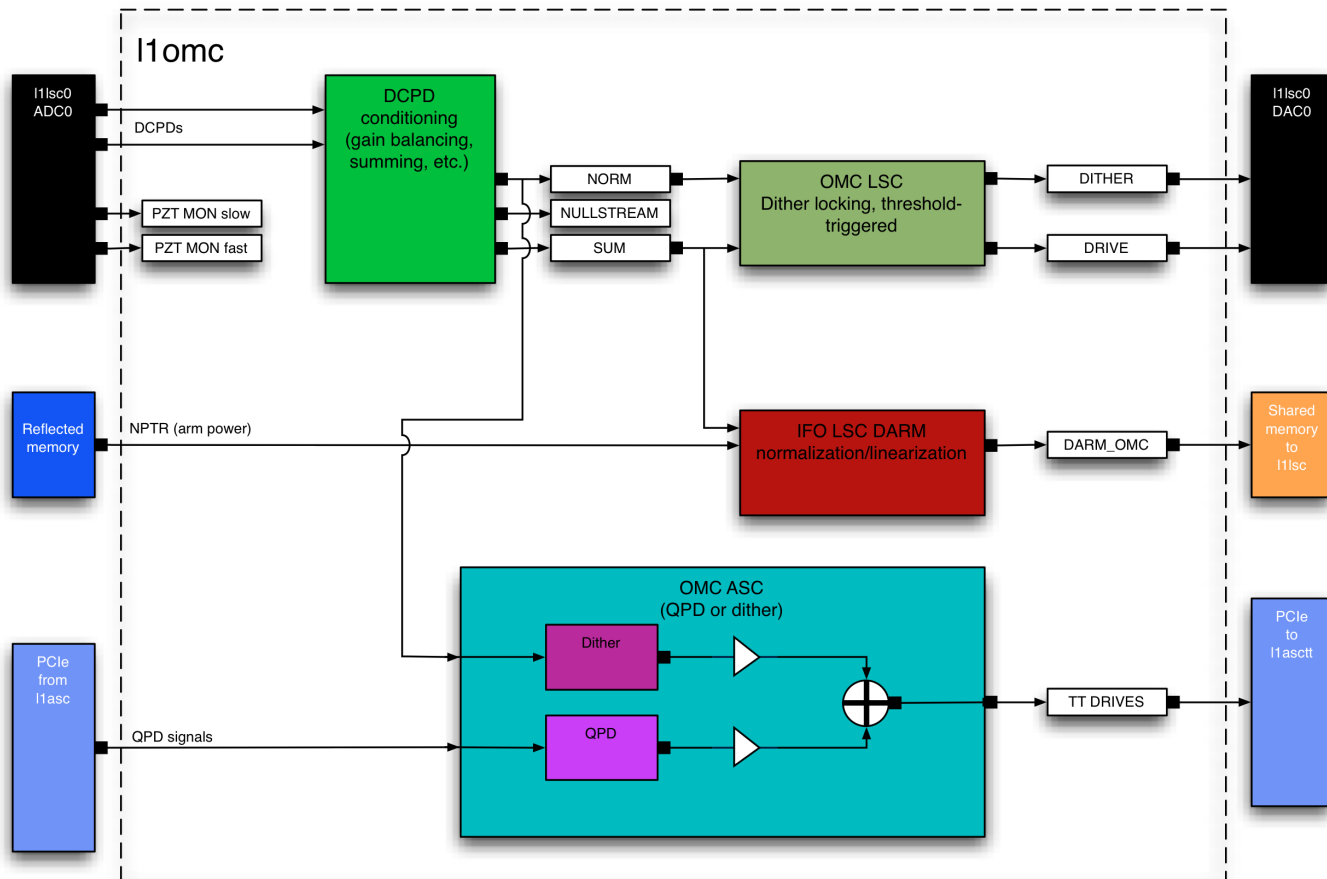
I1sc - locking scripts - Den



- running on I1script0 machine

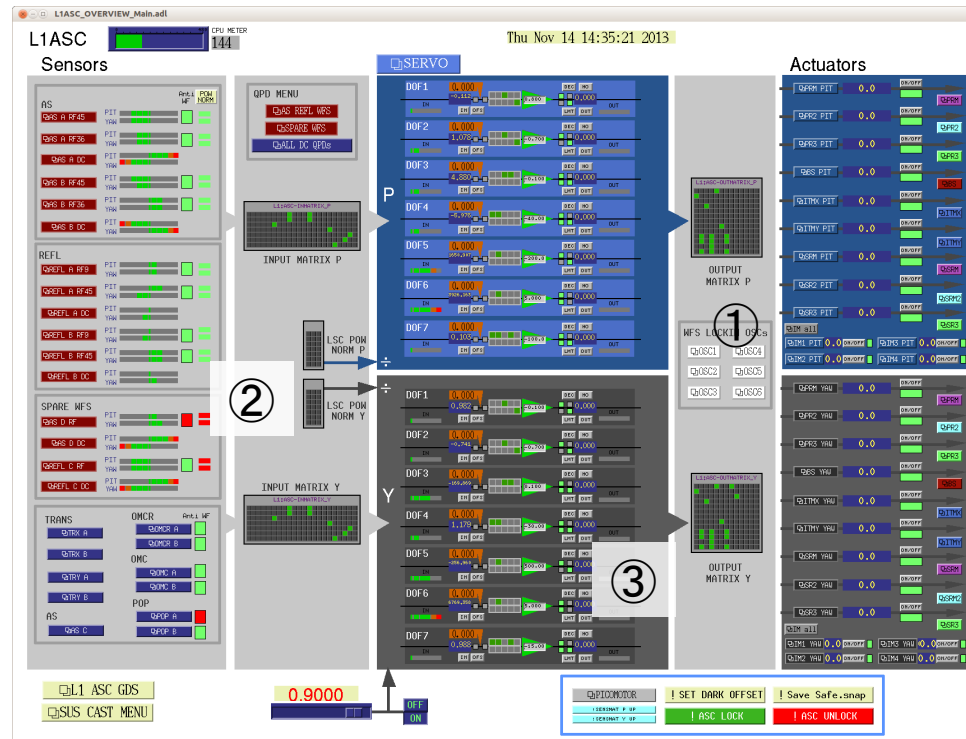
I1omc

Zach



I1asc

Keiko



1. 6 OSCs were added
2. dynamic power normalization from I1sc were added (not used for control so far)
3. We are using 6/7 DoF on servo for P and Y each
 - **planning to add more servo DoF**
 - **planning to rename from "DOF1" to e.g. "PRC1", "DHARD" (or "DIFFHARD", "DH" ??)**
 - **planning to some cleanups both on CDS and MEDM**