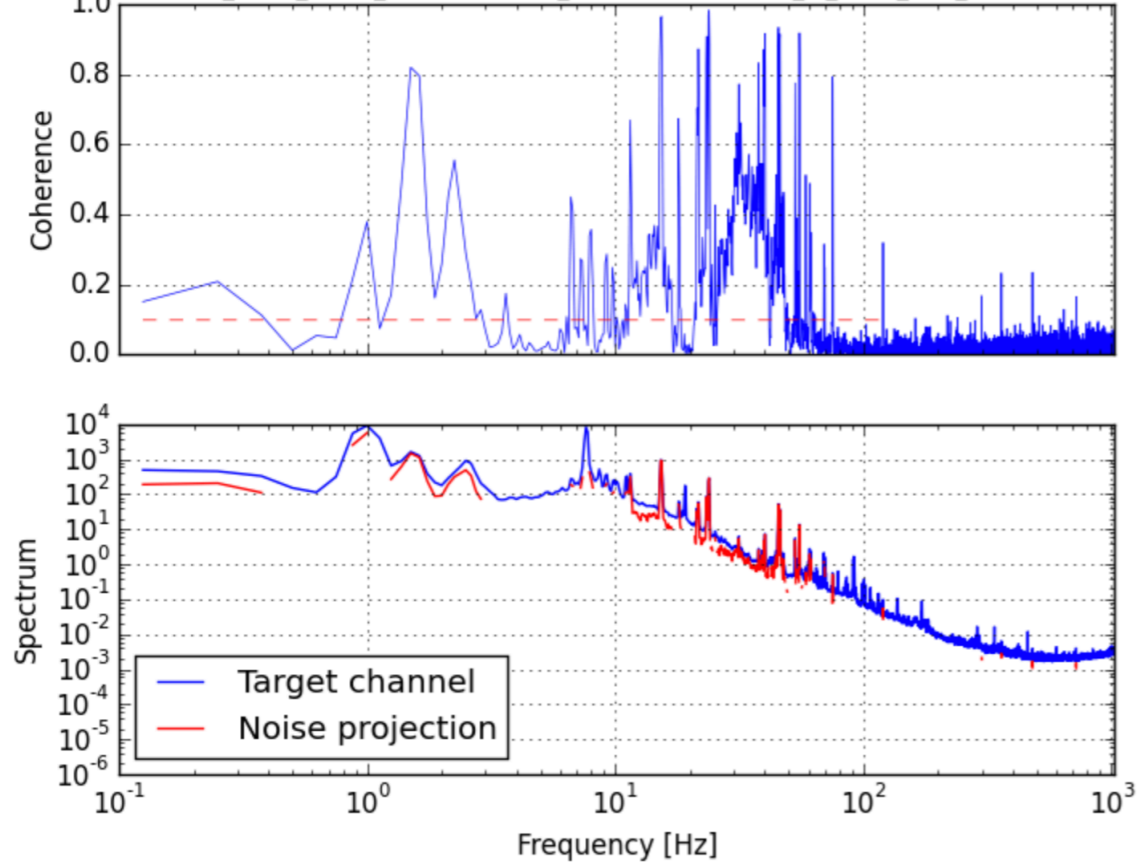
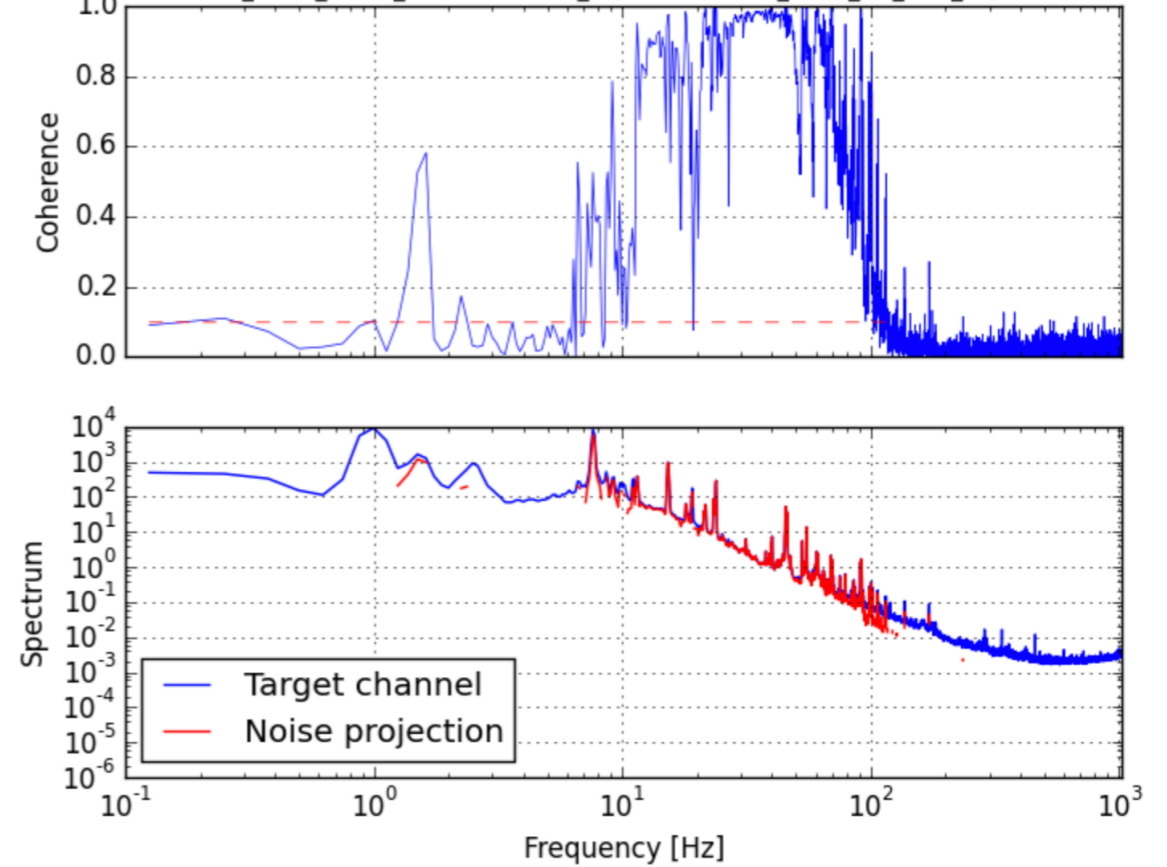


Coherence CAL-CS_PROC_DARM_DISPLACEMENT_DQ vs K1:AOS-TMSX_IR_PDA1_OUT_DQ - GPS 1264780218



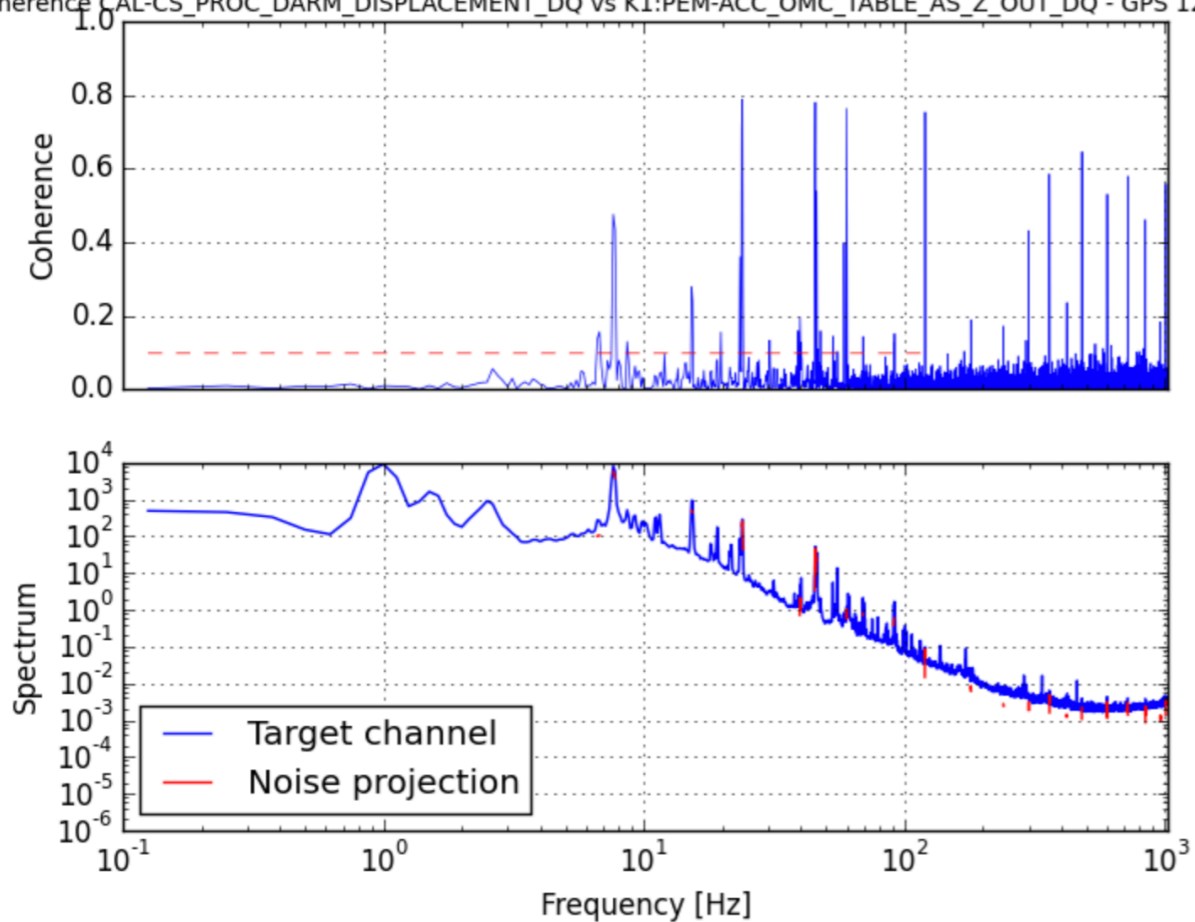
Coherence CAL-CS_PROC_DARM_DISPLACEMENT_DQ vs K1:LSC-AS_PDA1_DC_OUT_DQ - GPS 1264780218



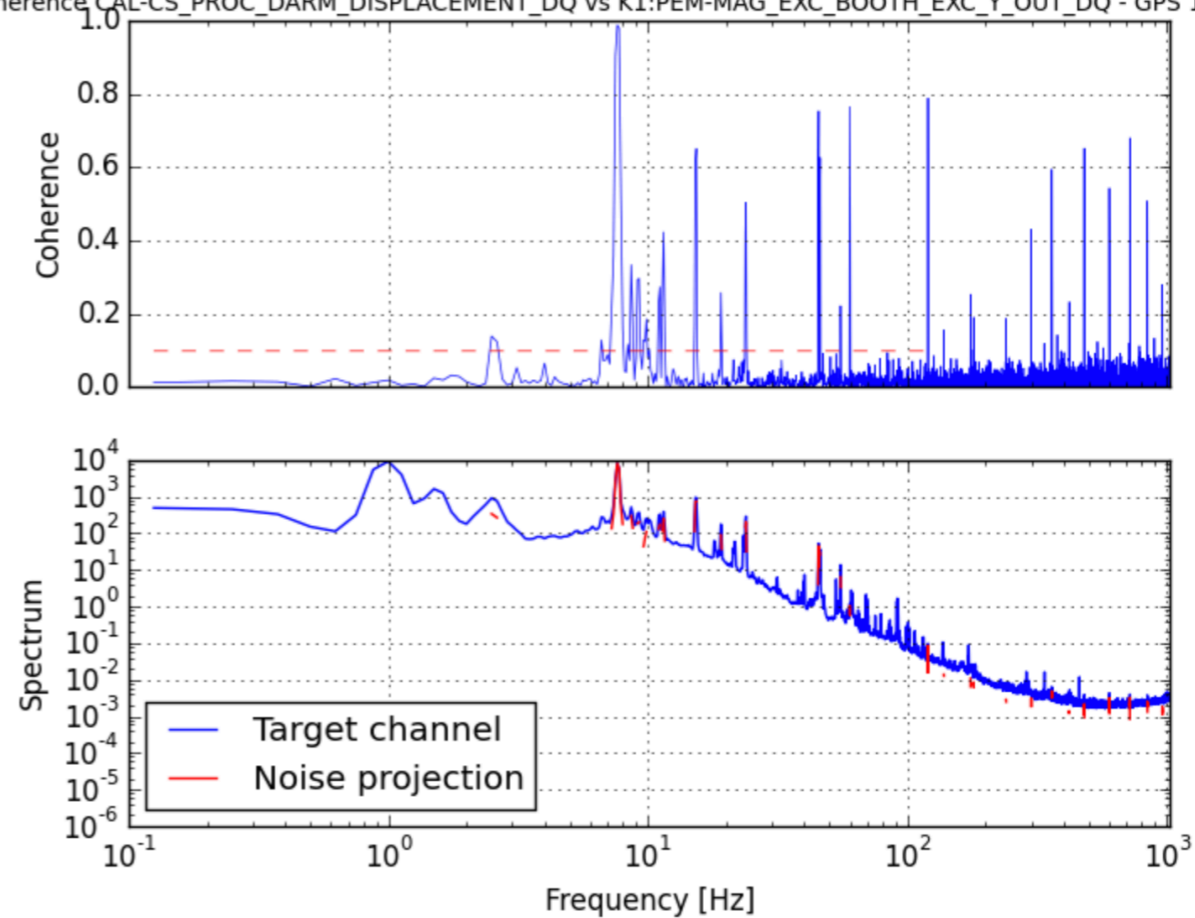
DC PDs (PDA1)

- Is coherence with TMS IR DC PD obvious?
- Is coherence with AS PDA1 obvious?
- If so, why frequency dependence?

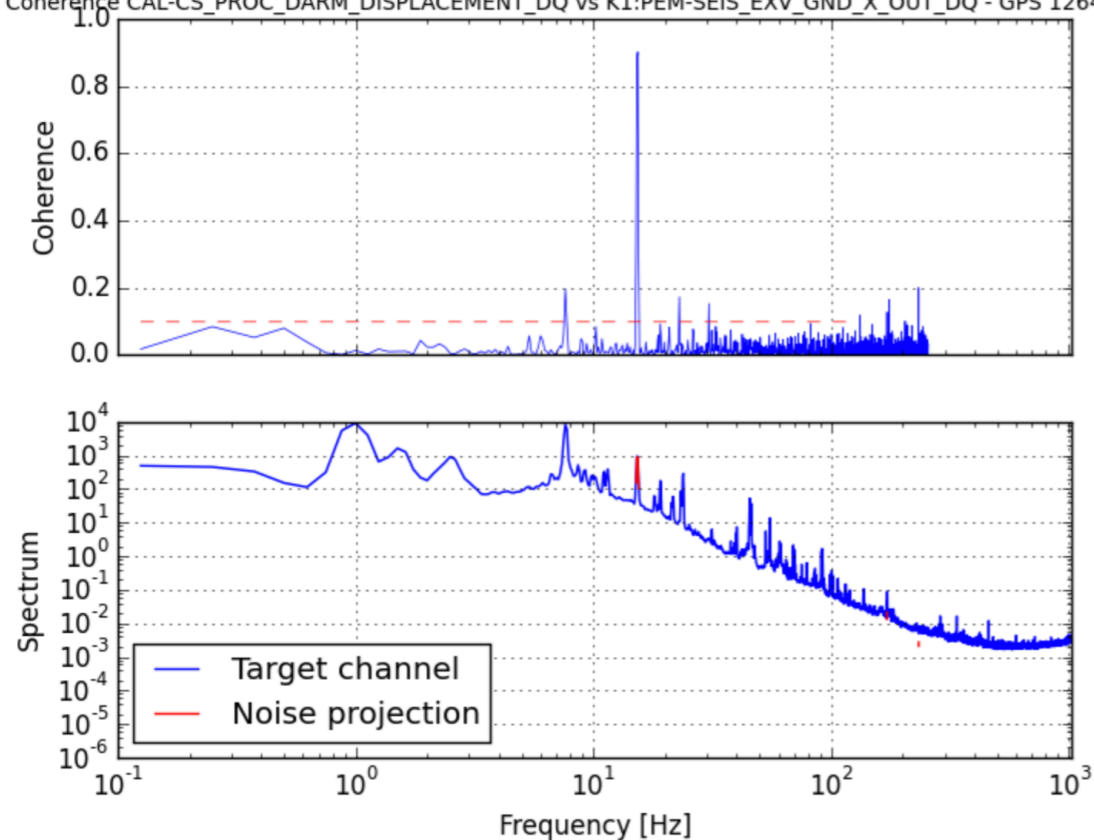
Coherence CAL-CS_PROC_DARM_DISPLACEMENT_DQ vs K1:PEM-ACC_OMC_TABLE_AS_Z_OUT_DQ - GPS 126478021



Coherence CAL-CS_PROC_DARM_DISPLACEMENT_DQ vs K1:PEM-MAG_EXC_BOOTH_EXC_Y_OUT_DQ - GPS 12647802

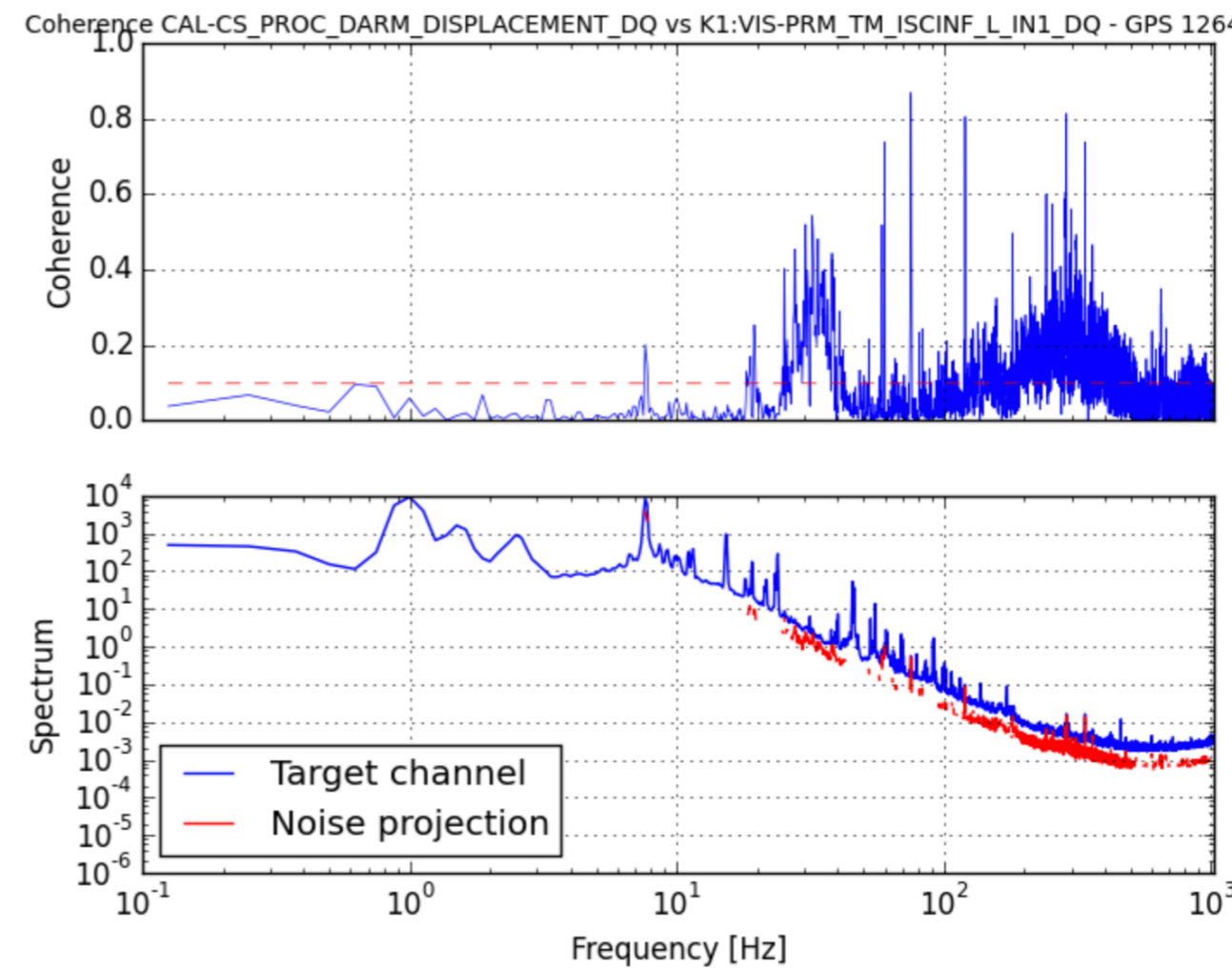
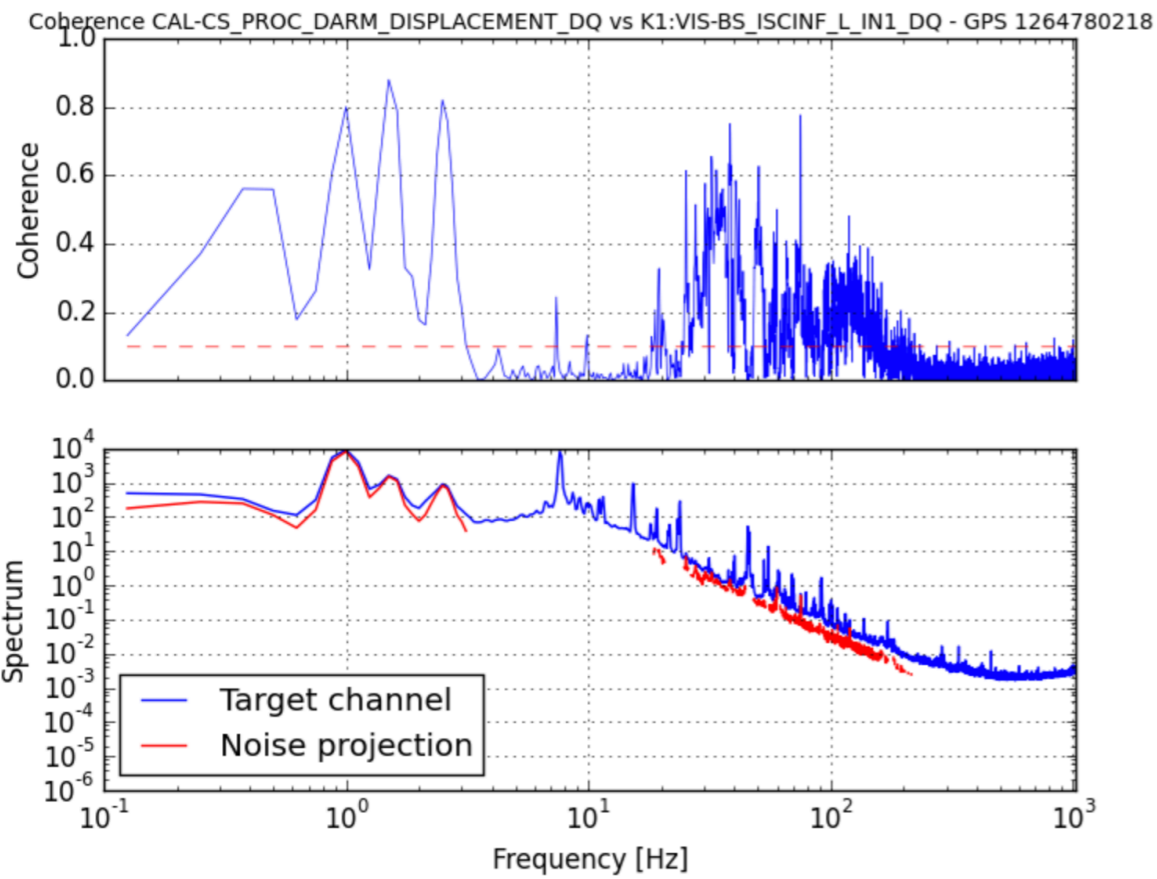


Coherence CAL-CS_PROC_DARM_DISPLACEMENT_DQ vs K1:PEM-SEIS_EXV_GND_X_OUT_DQ - GPS 1264780218



PEMs

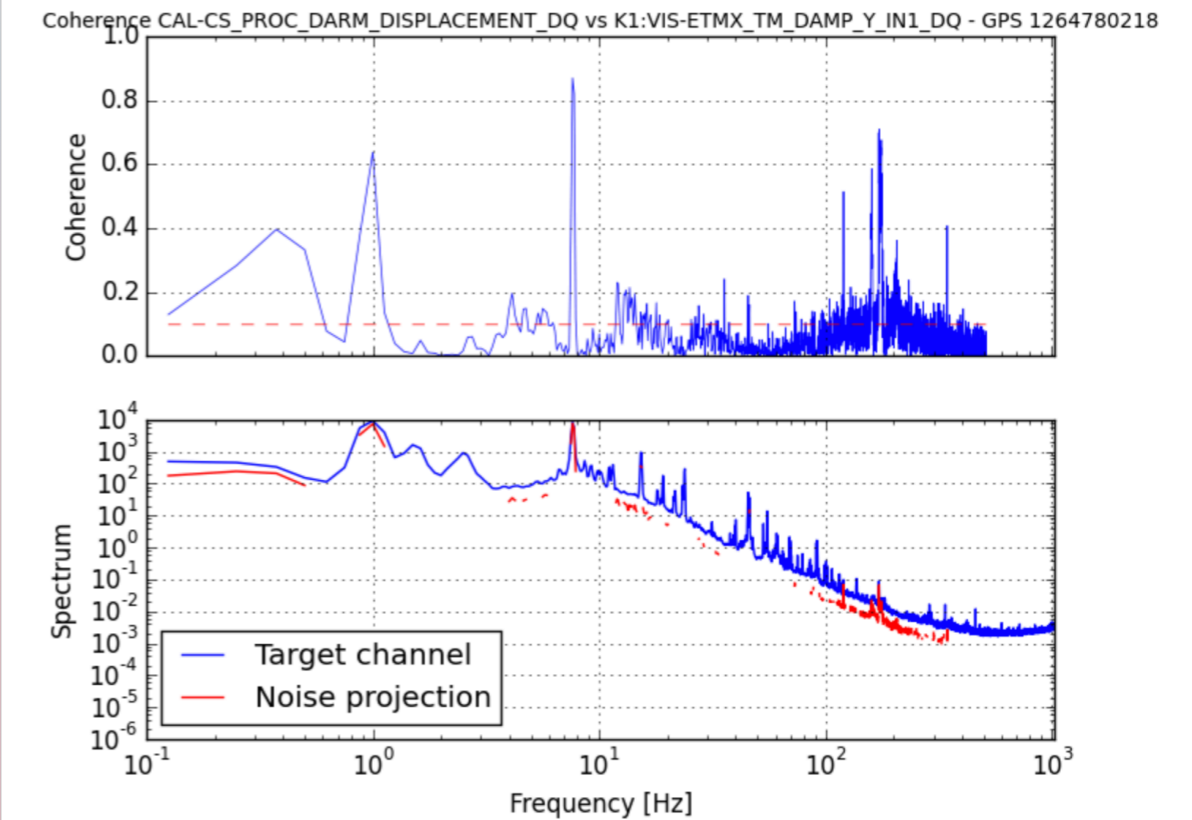
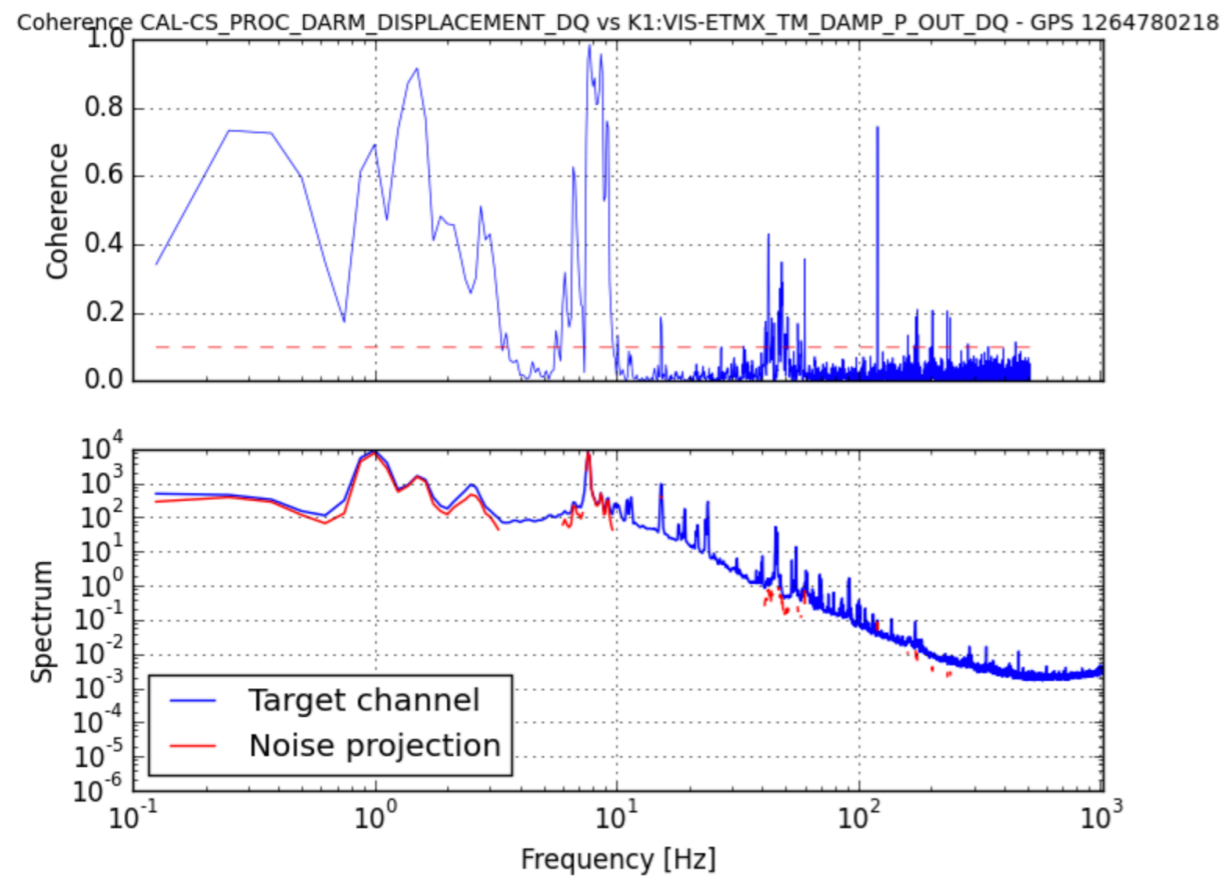
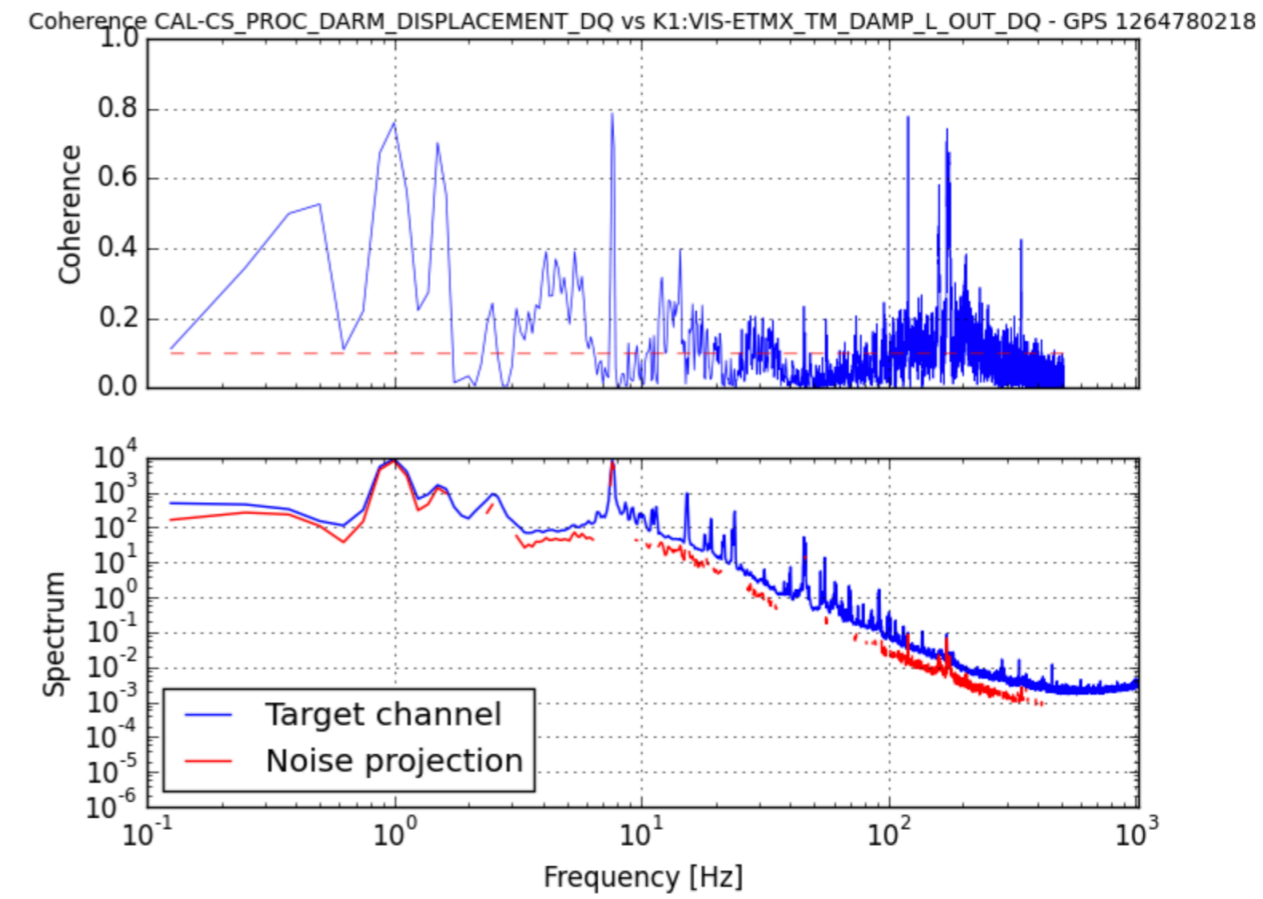
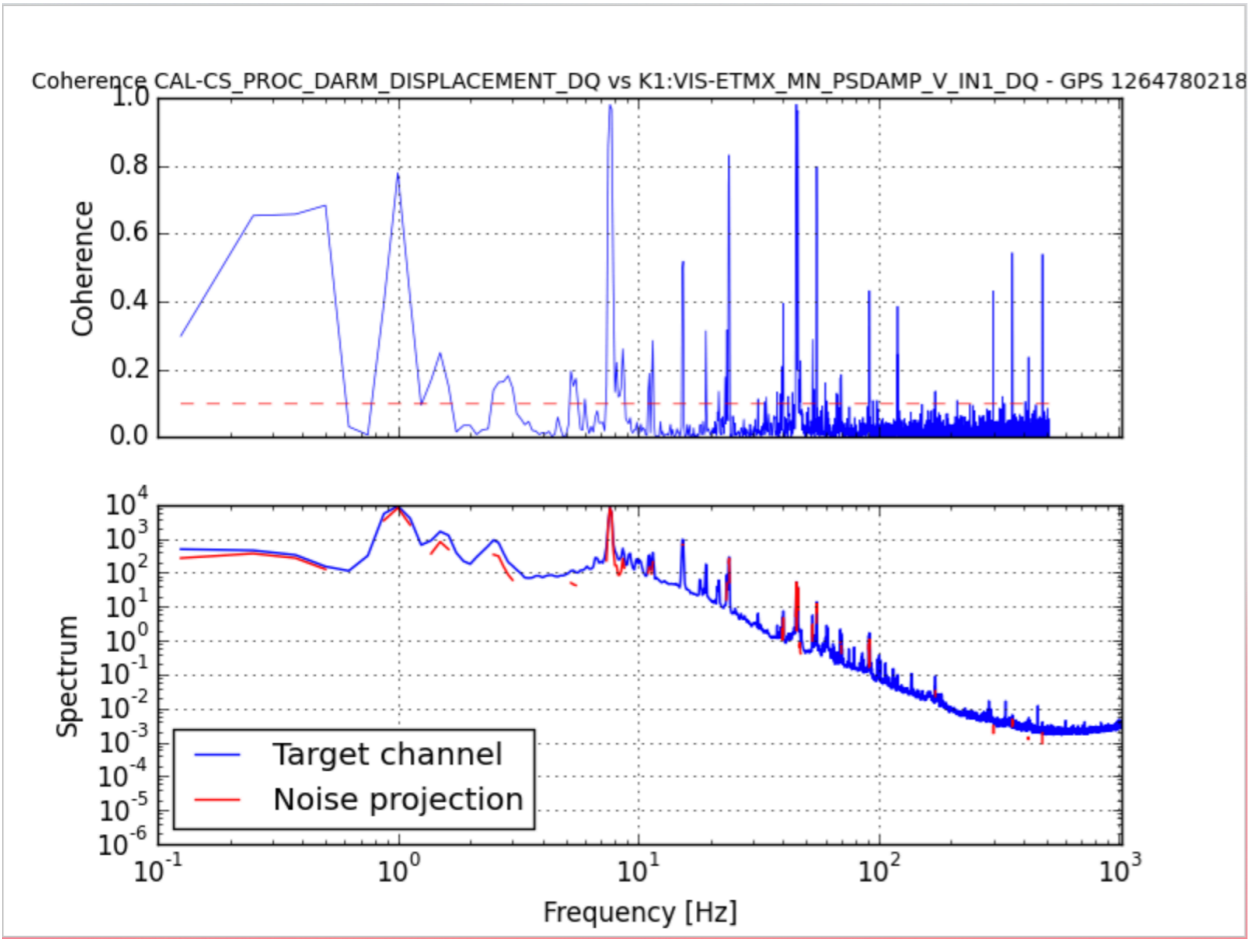
- ACC at OMC has some coherence with larger peaks. (Effect of the PZT?)
- MAG EXC Y-direction has coherence with larger peaks. (Not so in other direction and MAG EYC)
- EXV X direction has coherence at ~15Hz. Vibration from suspension???

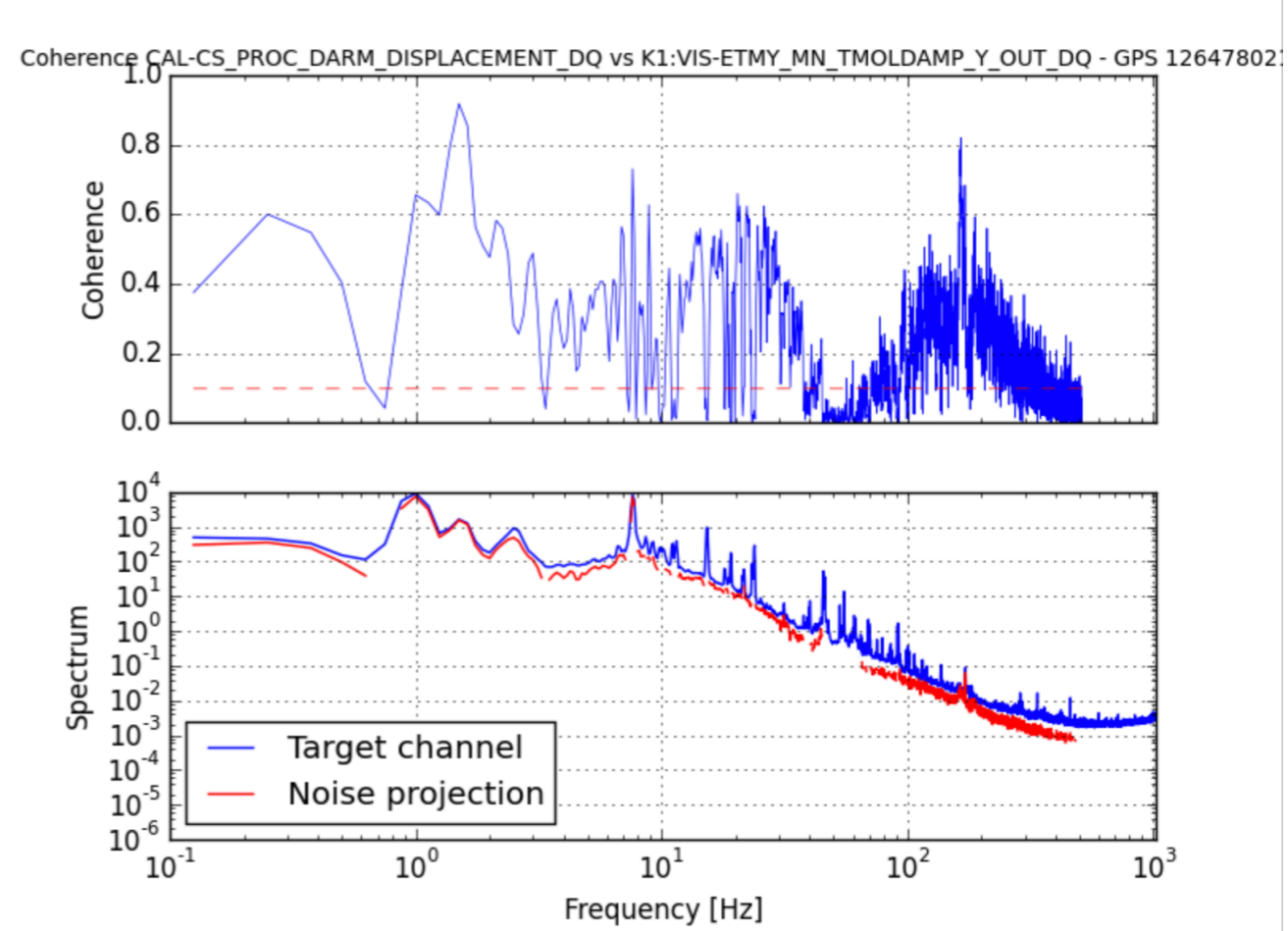
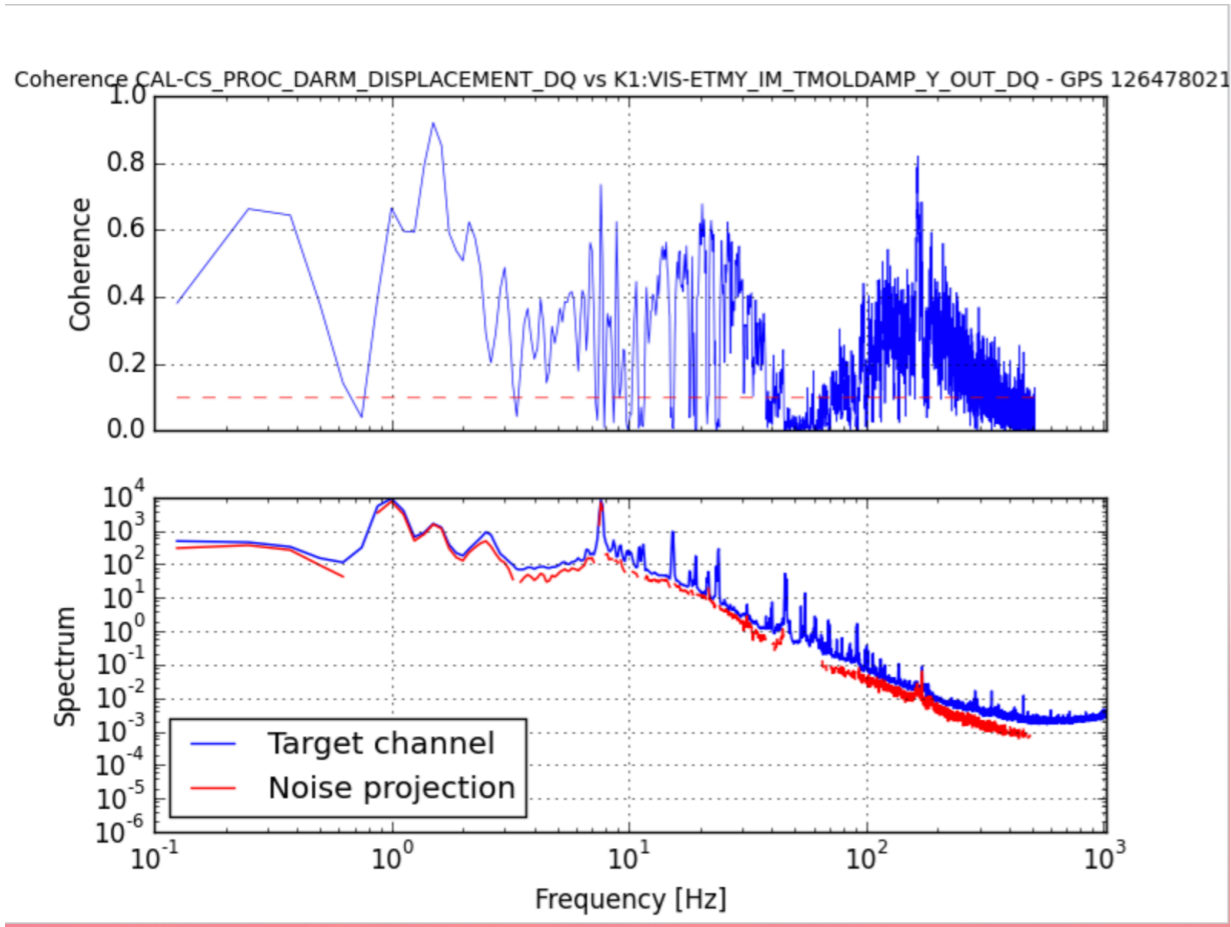


MICH and PRCL control

- MICH control signal 20-200Hz
- PRCL control signal >100Hz

ETMX - it may appear after roll-off the ETMY

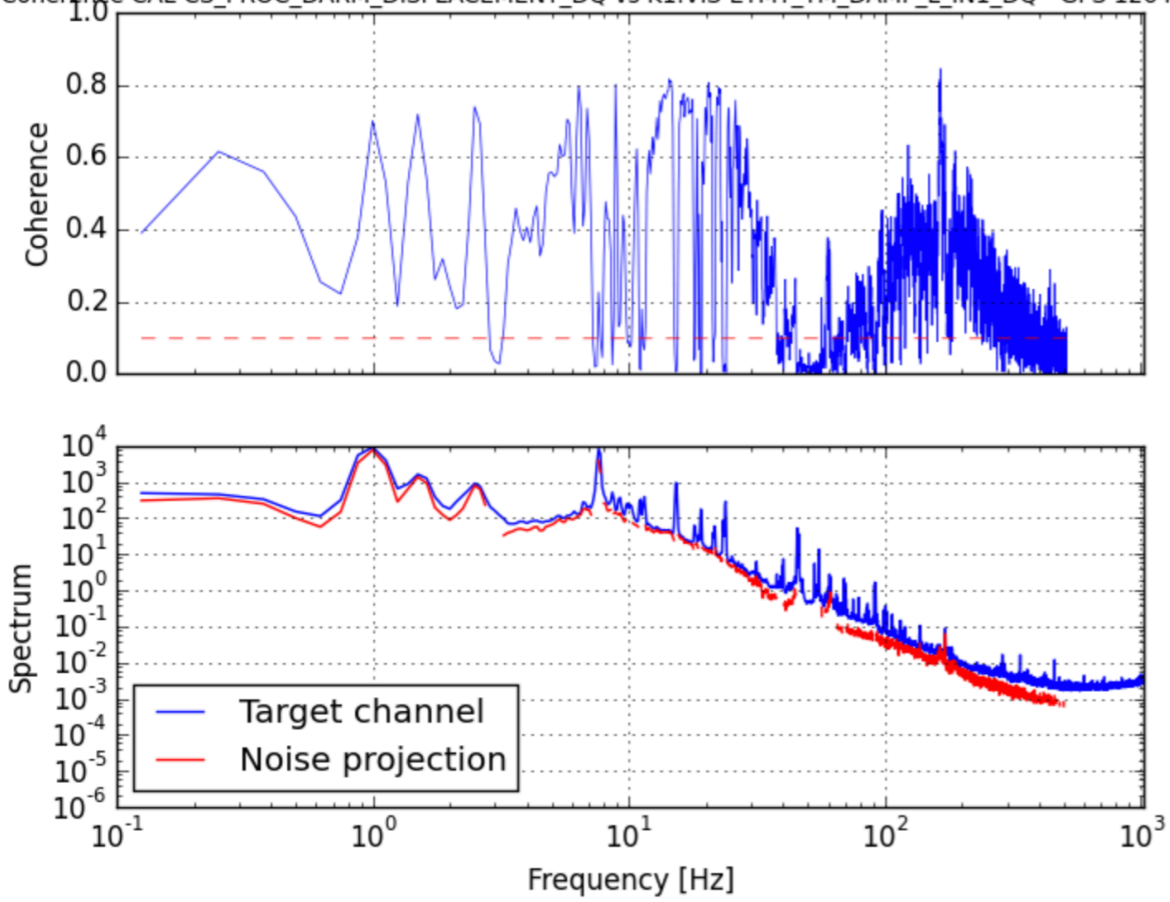




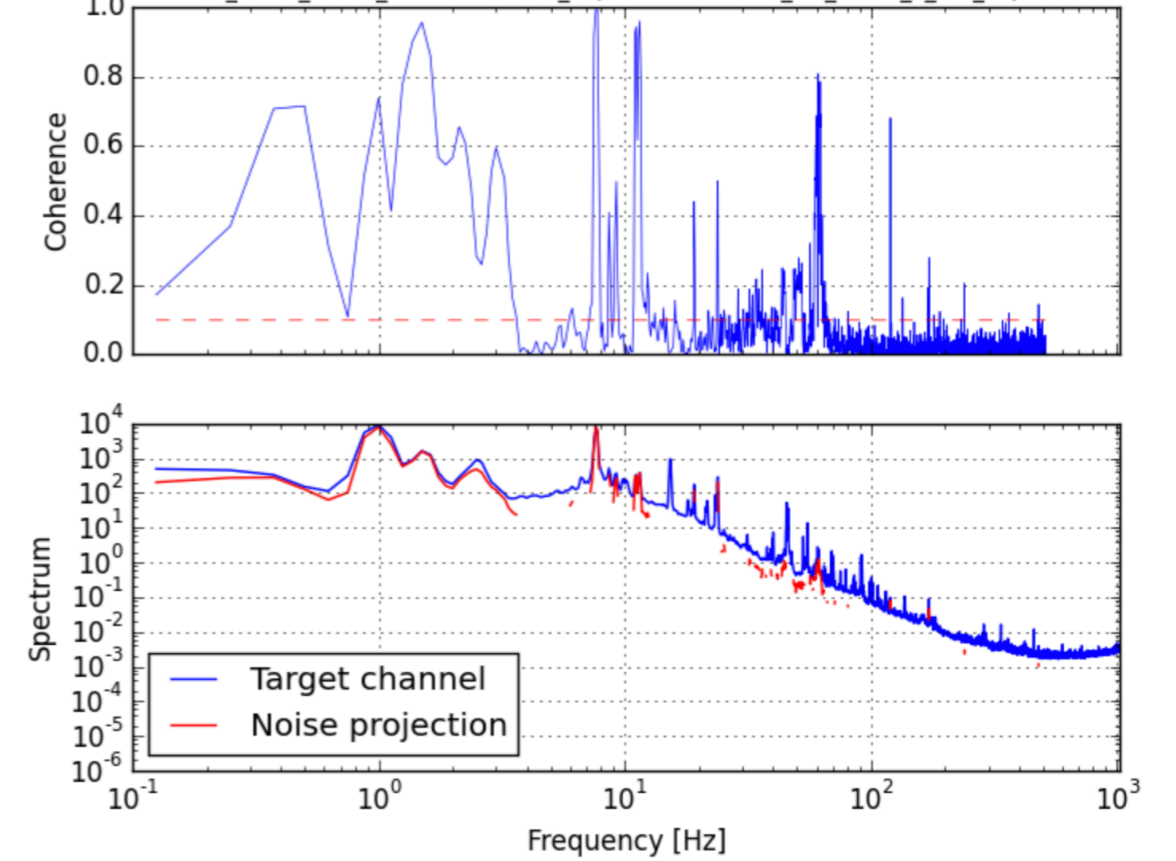
ETMY

- Clear coherence with IM and MN TMOLDAMP Y

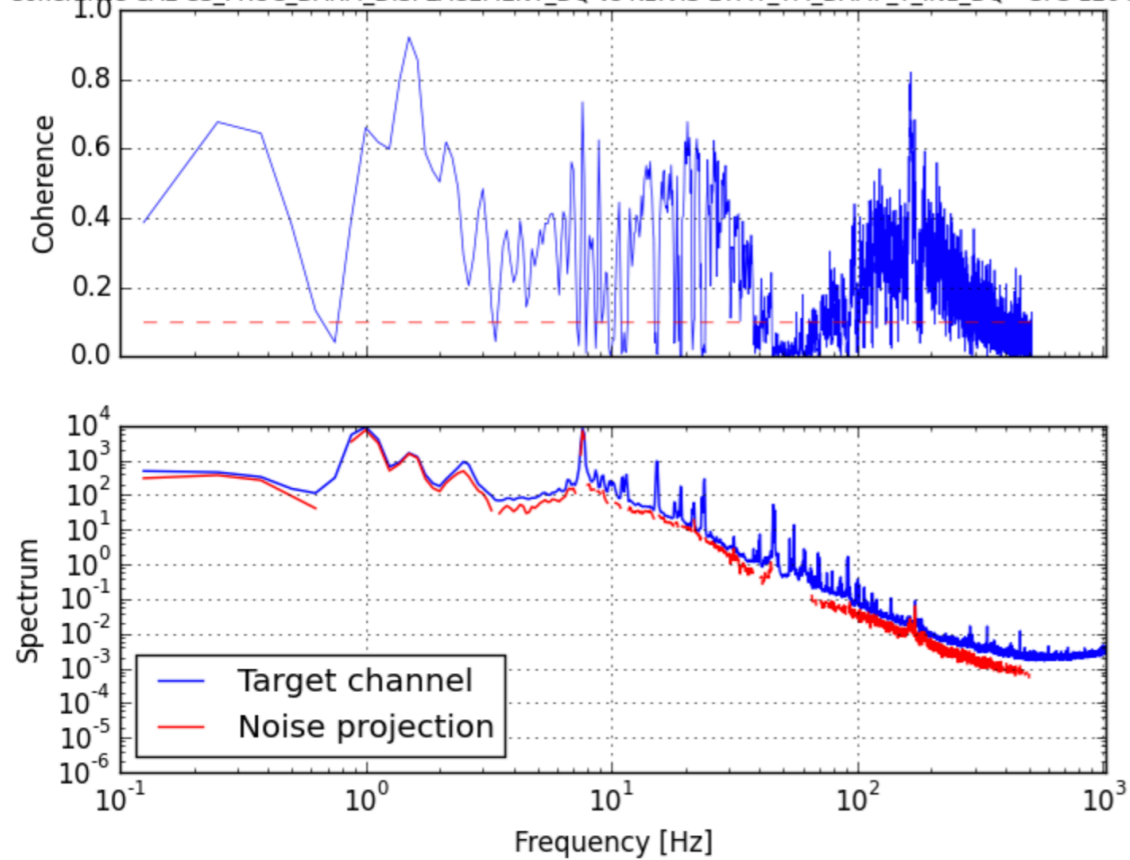
Coherence CAL-CS_PROC_DARM_DISPLACEMENT_DQ vs K1:VIS-ETMY_TM_DAMP_L_IN1_DQ - GPS 1264780218



Coherence CAL-CS_PROC_DARM_DISPLACEMENT_DQ vs K1:VIS-ETMY_TM_DAMP_P_IN1_DQ - GPS 1264780218



Coherence CAL-CS_PROC_DARM_DISPLACEMENT_DQ vs K1:VIS-ETMY_TM_DAMP_Y_IN1_DQ - GPS 1264780218



ETMY

- Clear coherence with TM DAMP L and Y
- Oplev signals also have coherence

