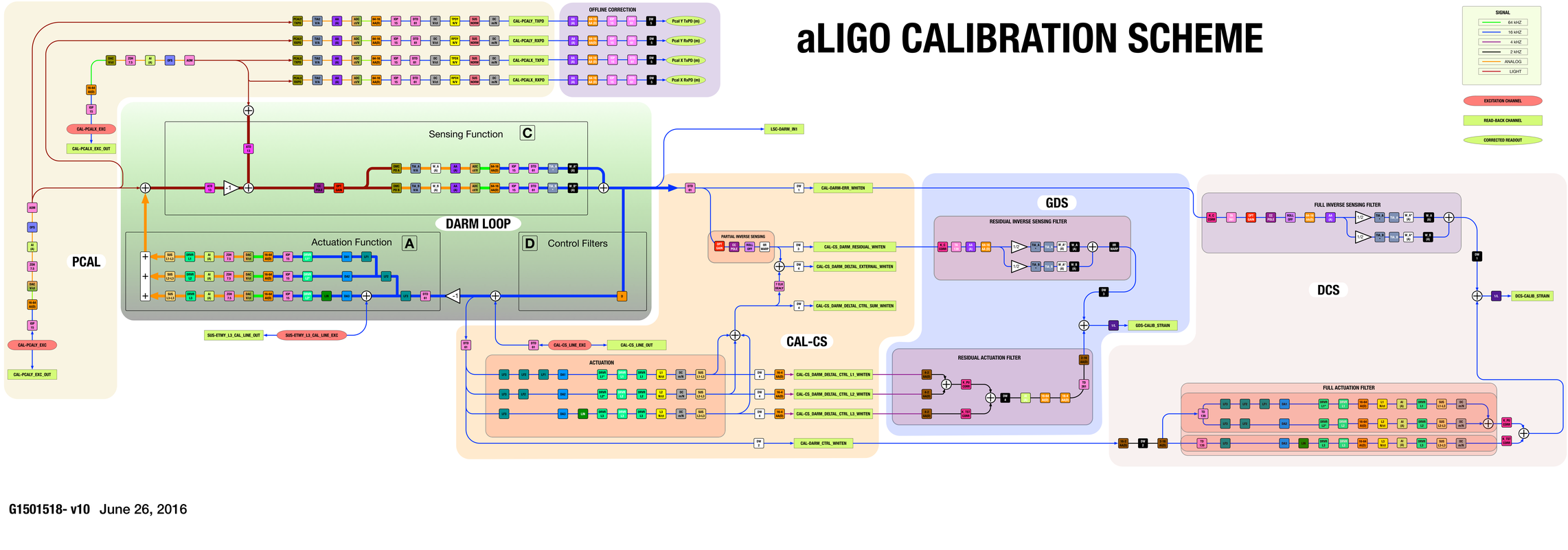
aLIGO CALIBRATION SCHEME



LEGEND

	Filter / Delay	Inverse Filter / Advance
TIME DELAY/ADVANCE	TD	TD
DIGITAL WHITENING	DW	DW
ANALOG WHITENING	AW	AW
ANTI-IMAGING (ANALOG)	AIAS	AIAS
COIL/ESD DRIVER	DRVR	DRVR
ANTI-ALIASING (ANALOG)	AA (A)	AA (A)
ANTI-ALIASING (DIGITAL)	64-10 AA (D)	64-10 AA (D)
COUPLED-CAVITY POLE	CC POLE	CC POLE
OPTICAL GAIN	OPT GAIN	OPT GAIN
TRANSIMPEDANCE AMP	TRA	TRA
ANTI-IMAGING (DIGITAL)	0-10 AIDS	0-10 AIDS
ACTUATION COEFFICIENT	L1 Npu	L2 Npu	L3 Npu
LOCK FILTER	LF1	LF2	LF3
DRIVE ALIGN	DA1	DA2	DA3
SUSPENSION	SUS L1-L3	SUS L2-L3	SUS L3-L3
KAPPA CORRECTION	K_TST CORR	K_PU CORR	K_C CORR
ANALOG/DIGITAL CONVERTER	16AD ADC	ADC 65K
PCAL ACTUATION COEFFICIENT	RPDY N/Y	RPDY N/Y	TPDY N/Y	RPDY N/Y
UP/DOWN SAMPLING	2 DOWN	2 UP
ACTUATION AT DC	DC 0/S
ACOUSTO-OPTIC MODULATOR	AOM
OPTICAL FOLLOWER SERVO	OFS
CTS-VOLT CONVERSION	DC 65K
NORMALIZED SUSPENSION*1^2	SUS NORM
PHOTO-DIODE	PD
HF ORC POLE COMPENSATION	HF ORC
CDS FLAWS CORRECTION	AB WHAP

* The blocks with white letter are inverse of it counterparts in blocks with black letters.
** Partial correction (when full correction is not possible).

G1501518- v10 June 26, 2016