

SUS Type	Iso. Stage Name	Sensor Type (SatAmp)	Actuator Type	Driver Type (Version)	N Actuators (Arrangement)	N BIO Bits / COIL	CTRL Needs	Magnet Size (Diam x Thick) [mm]	Driver DC Strength [mA / V]	Force Coefficient [N / A]	Pit/Yaw Lever Arm [mm]
QUAD	M0	B (UK)	B	QTOP	6 (F)	2	ISC, DAMP	10 x 10	9.9	1.694	78 / 120
	R0	B (UK)	B	QTOP	6 (F)	2	DAMP	10 x 10	9.9	1.694	78 / 120
	L1	B (UK)	B	UIM*	4	4	ISC	10 x 10	0.62	1.694	65 / 65
	L2	A (UK)	A	PUM	4	4	ISC	2 x 6	0.26	0.0309	70.7 / 70.7
	L3	OL (US)	ESD	ESD	4	-	ISC	-	I = 2 [V/V] E = 40 [V/V]	I=7.5e-12** E=4.2e-10**	99 / 99
BSFM	M1	B (UK)	B	TTOP	6 (F)	2	ISC, DAMP	10 x 10	11.9	1.694	55 / 104
	M2	B (UK)	B	TACQ	4	3	ISC	10 x 5	0.327	0.963	70.7 / 70.7
	M3	OL (US)	-	-	-	-	-	-	-	-	-
HLTS	M1	B (UK)	B	TTOP	6 (T)	2	ISC, DAMP	10 x 10	11.9	1.694	45 / 80
	M2	A (UK)	A	TACQ	4	3	ISC	1.9 x 3.2	0.326	0.0158	30 / 105
	M3	A (UK), OL	A	TACQ	4	3	ISC	2 x 0.5	0.326	0.00281	104 / 60
HSTS	M1	B (UK)	B	TTOP	6 (T)	2	ISC, DAMP	10 x 5	11.9	0.963	29.8 / 80
	M2	A (UK)	A	TACQ (TACQ***)	4	3	ISC	1.9 x 3.2	0.326 (2.83)	0.0158	47.7 / 47.7
	M3	A (UK)	A	TACQ (TACQ***)	4	3	ISC	2 x 0.5	0.326 (2.83)	0.00281	47.7 / 47.7
OMCS	M1	B (UK)	B	OTOP	6 (T)	2	ISC, DAMP	10 x 10	0.2	1.694	30 / 57.2
	M2	-	-	-	-	-	-	-	-	-	-
TMTS	M1	B (UK)	B	MTOP	6 (F)	2	ISC, DAMP	10 x 10	11.9	1.694	78 / 120
	M2	-	-	-	-	-	-	-	-	-	-
HAUX	M1	A (UK)	A, ECD	HAMA (V3)	4	2	DAMP	1.9 x 3.2	0.998	0.0158	29.1 / 29.1
HTTS	M1	B (US)	B, ECD	HAMA (V3)	4	2	ISC, DAMP	2 x 3	0.988	0.021	24.1 / 24.1
OFIS	M1	A (US)	A, ECD	HAMA (V3)	3 (O)	-	DAMP	3 x 6	0.998	0.0695	na / 55.5
OPOS	M1	A (US)	A	HAMA (V2)	6 (V)	-	DAMP	2 x 6	0.998	0.0309	see mtrx

AOSEM**BOSEM**R_{coil} 19.8 42.7 [Ohm]L_{coil} 3.2 11.9 [mH]N_{turns} 400 800**Sensors**

B = B OSEM

A = A OSEM

OL = Optical Lever

Actuators

B = B OSEM,

A = A OSEM

ESD = Electrostatic Drive

ECD = Eddy Current Damping

UK Satellite Amplifier, D0901284 US Sat. Amp, D1002818

Every A or B OSEM is normalized to have a sensitivity of 76.29 / 0.7 [mA/mm]

**ESD Force Coefficients are in [N/V^2]

Driver Types

QTOP = Quad Top Mass Coil Driver, D1001782

TTOP = Triple Top Mass Coil Driver, D1001242

OTOP = OMC Top Mass Coil Driver, D1100304

MTOP = TransMon Top Mass Coil Driver, D1100301

UIM* = Modified Upper Int. Mass Coil Driver, T1400223

PUM = Penultimate Mass Coil Driver, D070483

ESD = Electrostatic Driver, T1000220

TACQ = Triple Acquisition Coil Driver, D0901047

TACQ*** = Modified Triple Acq. Coil Driver, E1200931

HAMA = HAM Auxiliary Coil Driver, T1200264

OSEM Arrangements

(F) = F1 F2 F3 LF RT SD

(T) = T1 T2 T3 LF RT SD

(V) = H1 H2 H3 V1 V2 V3

(4) = UL LL UR LR

(O) = LF RT SD

QUAD = E1000617

BSFM = E1100108

HLTS, HSTS, OMCS

= E1100109

TMTS = E1200045

HAUX = E1200215

HTTS = E1400316

OFIS = E1700352

OPOS = E1700390

System Signal Paths

(Design Description)

QUAD = T1100378

BSFM = T1100479

HSTS = T1000061

HLTS = T1000061

OMCS = T1300535

TMTS = T1300537

HTTS = T1400030

HAUX = T1400029

OFIS = T1700435

OPOS = T1700434