

LAP Macro Table

Date: 120828

Macro ID	0x104	0x212	0x503	0x504	0x505	0x506	0x600	0x604	0x700	0x701	0x702	0x703	0x704	0x705	0x706	0x803	0x804	0x807
Notes	Calibration	Use 0x506			Use 0x506		Use 0x506		Use 0x503	Use 0x503	Use 0x503			Use 0x503	Use 0x504		Use 0x807	
Purpose	Calibration	Swp, HF	Vs, HF	Vs, HF	N, HF, swp	N, HF, swps	Swp, HF	N, HF, swps	Vs, HF	Vs, HF	Vs, HF	LDL, Vs, HF	LDL, Vs, wave	Vs, HF	Vs, HF	LDL, N, HF	LDL, N, HF	LDL, N, HF, swp
TM rate	NM	NM	NM	BM	NM	NM	NM	BM	NM	NM	NM	NM	BM	NM	BM	NM	BM	BM
Bias mode	NN	NN	EE	EE	NN	NN	NN	NN	EE	EE	EE	E-	E-	EE	EE	N-	N-	N-
Fix bias P1	.	0 V	-8 nA	-8 nA	+10 V	+10 V	+20 V	+20 V	-17 nA	-17 nA	+1 nA	-30 nA	-29 nA	-29 nA	-29 nA	+10 V	+10 V	+10 V
Fix bias P2	.	0 V	+3 nA	+3 nA	+10 V	+10 V	+20 V	+20 V	-17 nA	+1 nA	-17 nA	MIP	MIP	+3 nA	+3 nA	MIP	MIP	MIP
Continuous data (ADC20)																		
Sampled data	.	.	V1, V2	V1, V2	I1, I2	I1, I2	.	I1, I2	V1, V2	V1, V2	V1, V2	V1	V1	V1, V2	V1, V2	I1	I1	I1
fsamp [Hz]	.	.	0.9	57.8	0.45	0.45	.	28.9	0.9	0.9	0.9	1.8	57.8	0.9	57.8	1.8	57.8	57.8
Wave snapshots (ADC16)																		
Sampled data	.	I1, I2	V1	V1, V2	I1, I2	I1, I2	I1, I2	I1, I2	V1-V2	V1-V2	V1-V2	V1	V1	V1-V2	V1-V2	I1	I1	I1
fsamp [Hz]	.	18750	18750	18750	18750	18750	18750	18750	18750	18750	18750	18750	18750	18750	18750	18750	18750	18750
Samples	.	256	272	432	96	96	256	1840	160	160	160	160	2416	272	2624	160	2416	4080
Cadency [AQPs]	.	8	5	1	5	5	8	3	3	3	3	3	1	5	3	3	1	2
Cadency [s]	.	256	160	32	160	160	256	96	96	96	96	96	32	160	96	96	32	64
Sweeps (ADC16)																		
Probes	Open	P1, P2	.	.	P1, P2	P1, P2	P1, P2	P1, P2	.	.	.	.	.	.	.	.	.	P1
Cadency [AQPs]	8	8	.	.	5	5	8	3	.	.	.	.	.	.	.	.	.	2
Cadency [s]	256	256	.	.	160	160	256	96	.	.	.	.	.	.	.	.	.	64
Range [V]	[-30, +30]	[-30, +15]	.	.	[-18, +18]	[-12, +12]	[-30, +20]	[-30, +20]	.	.	.	.	.	.	.	.	.	[-30, +30]
Step [V]	0.25	1	.	.	0.75	0.5	0.25?	0.25	.	.	.	.	.	.	.	.	.	0.25
First upload			PC8	PC8	PC12	PC12			PC4	PC4	PC4	PC6	PC6	PC6	PC6	PC10	PC10	PC12

Field colour indicates use:
 Green: preferred non-LDL science macros
 Orange: preferred LDL science macros
 Yellow: maintenance, diagnostics, etc
 Grey: superseded science macros

Text colour indicates telemetry mode:
 Black: Normal Mode
 Blue: Burst Mode