

Macro ID	0x204	0x503	0x504	0x505	0x515	0x506	0x604	0x803	0x807	Field colour:
Notes										
Purpose	Swp, HF	Vsc, HF	Vsc, HF	N, HF, swp	N, HF, swp	N, HF, swps	N, HF, swps	LDL, N, HF	.DL, N, HF, sw	Green: preferred non-LDL science macros
TM rate	BM	NM	BM	NM	NM	NM	BM	NM	BM	Orange: preferred LDL science macros
Bias mode	NN	EE	EE	NN	NN	NN	NN	N-	N-	Yellow: maintenance, diagnostics, etc
Fix bias P1	0 V	-8 nA	-8 nA	+10 V	+20 V	+10 V	+20 V	+10 V	+10 V	White: superseded science macros
Fix bias P2	0 V	+3 nA	+3 nA	+10 V	+20 V	+10 V	+20 V	MIP	MIP	
Gain/bias P1	hi	ibias	ibias	hi	hi	hi	hi	hi	hi	Text colour:
Gain/bias P2	hi	ibias	ibias	hi	hi	hi	hi	hi	-	Black: NM
										Red: BM
LF continuous data (ADC20)										
Sampled data	.	V1, V2	V1, V2	I1, I2	I1, I2	I1, I2	I1, I2	I1	I1	
Number of signals	0	2	2	2	2	2	2	1	1	
Downsampling	1	64	1	128	128	128	2	32	1	
fsamp [Hz]	57.8	0.90	57.80	0.45	0.45	0.45	28.90	1.81	57.80	
Bits/sample transmitted		16	16	16	16	16	16	16	16	
Samples/AQP/probe		28	1798	14	14	14	893	55	1798	
HF wave snapshots (ADC16)										
Sampled data	.	V1	V1, V2	I1, I2	I1, I2	I1, I2	I1, I2	I1	I1	
Number of signals	2	1	2	2	2	2	2	1	1	
Downsampling	1	1	1	1	1	1	1	1	1	
fsamp [Hz]	18750	18750	18750	18750	18750	18750	18750	18750	18750	
Samples	2048	272	432	96	96	96	1840	160	4080	
Cadency [AQPs]	2	5	1	5	5	5	3	3	2	
Cadency [s]	64	160	32	160	160	160	96	96	64	
Coarse sweeps (ADC16)										
Probes	P1, P2	.	.	P1, P2	P1, P2	P1, P2	P1, P2	.	P1	
Number of signals	2	0	0	2	2	2	2	0	1	
Shape	V			\	/	\	\		\	
Directions (1 or 2)	2			1	1	1	1			
Cadency [AQPs]	2	1	1	5	5	5	3	1	2	
Cadency [s]	64	32	32	160	160	160	96	32	64	
Range [V]	[-25,+25]			[-18, +18]	[-5, +31]	[-12, +12]	[-30, +20]		[-30, +30]	
Step [V]	0.5			0.75	0.75	0.5	0.25		0.25	
Number of steps	208			48	48	48	208		240	
Plateau duration [cycles]	512			512	512	512	512		512	
Downsampling	64	1	1	256	256	256	256	1	128	
Samples per plateau	8	0	0	2	2	2	2	0	4	
Samples/sweep/probe	1678	6	6	104	104	104	424	6	970	macros-prelanding-150703.xls
First upload		PC8	PC8	PC12	Oct2014	PC12		PC10	PC12	LAP science macros used in pre-landing phase