

Macro cmd	0x12	0x14	0x44	0x45	0x50	0x54
Macro ID	0x212	0x204	0x504	0x505	0x600	0x604
Notes	Use 0x505	Use 0x926		0x525 replac	Use 0x525	
Purpose	Swp, HF	Swp, HF	Vsc, HF	N, HF, swp	Swp, HF	N, HF, swps
TM rate	NM	BM	BM	NM	NM	BM
Bias mode	NM	NM	EE	NM	NM	NM
Fix bias P1	0 V	0 V	-8 nA	+10 V	+20 V	+20 V
Fix bias P2	0 V	0 V	+3 nA	+10 V	+20 V	+20 V
Gain/bias P1	hi	hi	ibias	hi	hi	hi
Gain/bias P2	hi	hi	ibias	hi	hi	hi
LF continuous data (ADC20)						
Note						
Sampled data	-	-	V1, V2	I1, I2	-	I1, I2
Number of signals	0	0	2	2	0	2
Averaging				128		
Downsampling			1	128	1	2
<i>f_{samp}</i> [Hz]			57.80	0.45	57.80	28.90
Bits/sample transmitted			16	16		16
Samples/AQP/probe			1798	14		893
Cadency (if not 1) [AQPs]						
Cadency (if not 32s) [s]						
HF wave snapshots (ADC16)						
Sampled data	I1, I2	I1, I2	V1, V2	I1, I2	I1, I2	I1, I2
Number of signals	2	2	2	2	2	2
Averaging	1	1	1	1	1	1
Downsampling						
<i>f_{samp}</i> [Hz]	18750	18750	18750	18750	18750	18750
Samples	256	2048	432	96	256	1840
Cadency [AQPs]	8	2	1	5	8	3
Cadency [s]	256	64	32	160	256	96
Coarse sweeps (ADC16)						
Probes	P1, P2	P1, P2	-	P1, P2	P1, P2	P1, P2
Number of signals	2	2	0	2	2	2
Shape	\	V		\	\	\
Directions (1 or 2)	1	2	1	1	1	1
Cadency [AQPs]	8	2	1	5	8	3
Cadency [s]	256	64	32	160	256	96
Range [V]	[-30,+15]	[-25,+25]		[-18,+18]	[-30,+20]	[-30,+20]
Step [V]	1	0.5		0.75	1	0.25
Number of steps	48	208		48	48	208
Plateau duration [cycles]	512	512		512	512	512
Plateau duration [ms]	27.3	27.3	0.0	27.3	27.3	27.3
Downsampling	128	64	1	256	128	256
Samples per plateau	4	8	0	2	4	2
Samples/sweep/probe	202	1679	6	104	202	424
Sweep duration [s]	1.38	5.73	0.00	1.42	1.38	5.79
Fine sweeps (ADC16)						
Probes	-	-		-	-	-
Number of signals	0	0	0	0	0	0
Shape						
Cadency [AQPs]	1	1	1	1	1	1
Cadency [s]	32	32	32	32	32	32
Offset [V]						
Range [V]						
Step [mV]						
Number of steps						
Plateau duration [cycles]						
Downsampling						
Samples per plateau						
Samples/sweep/probe						
First upload [yymmdd]	040908		PC8	PC12		050304
TM LF [bps]	0.0	0.0	1798.0	14.0	0.0	893.0
TM HF [bps]	32.0	1024.0	432.0	19.2	32.0	613.3
TM CSwp [bps]	25.3	839.0	0.0	20.8	25.3	141.3
TM FSwp [bps]	0.0	0.0	0.0	0.0	0.0	0.0
TM total [bps]	57.3	1863.0	2230.0	54.0	57.3	1647.7

Field colour:
Green: currently preferred
non-LDL science macros
Orange: currently preferred
LDL science macros
Yellow: maintenance,
diagnostics, etc
White: superseded science
macros
Blue: ideas
Pink: test macros only used
once for verifying internal
functionality after launch, not
for science use.

Text colour:
Black: NM
Red: BM