

Macro cmd	0x14	0x45	0x46	0x77
Macro ID	0x204	0x505	0x508	0x807
Notes	Use 0x926	0x525 replaces		
		Use 0x525		
Purpose	Swp, HF	N, HF, swp	N, HF, swps	DL, N, HF, swp
TM rate	BM	NM	NM	BM
Bias mode	NN	NN	NN	N-
Fix bias P1	0 V	+10 V	+10 V	+10 V
Fix bias P2	0 V	+10 V	+10 V	MIP
Gain/bias P1	hi	hi	hi	hi
Gain/bias P2	hi	hi	hi	-

LF continuous data (ADC20)

Note				
Sampled data	-	11, 12	11, 12	11
Number of signals	0	2	2	1
Averaging		128	128	1
Downsampling		128	128	1
fsamp [Hz]		0,45	0,45	57,80
Bits/sample transmitted		16	16	16
Samples/AQP/probe		14	14	1798
Cadency (if not 1) [AQPs]				
Cadency (if not 32s) [s]				

HF wave snapshots (ADC16)

Note				
Sampled data	11,12	11, 12	11, 12	11
Number of signals	2	2	2	1
Downsampling	1	1	1	1
fsamp [Hz]	18750	18750	18750	18750
Samples	2048	96	96	4080
Cadency [AQPs]	2	5	5	2
Cadency [s]	64	160	160	64

Coarse sweeps (ADC16)

Probes	P1, P2	P1, P2	P1, P2	P1
Number of signals	2	2	2	1
Shape	V	\	\	\
Directions (1 or 2)	2	1	1	1
Cadency [AQPs]	2	5	5	2
Cadency [s]	64	160	160	64
Range [V]	[-25,+25]	[-18,+18]	[-12,+12]	[-30,+30]
Step [V]	0,5	0,75	0,5	0,25
Number of steps	208	48	48	240
Plateau duration [cycles]	512	512	512	512
Plateau duration [ms]	27,3	27,3	27,3	27,3
Downsampling	64	256	256	128
Samples per plateau	8	2	2	4
Samples/sweep/probe	1678	104	104	970
Sweep duration [s]	5,73	1,42	1,42	6,62

Fine sweeps (ADC16)

Probes				
Number of signals	0	0	0	0
Shape				
Cadency [AQPs]	1	1	1	1
Cadency [s]	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 [ymmdd]		PC12	PC12	PC12
TM LF [bps]	0,0	14,0	14,0	899,0
TM HF [bps]	1024,0	19,2	19,2	1020,0
TM CSwp [bps]	839,0	20,8	20,8	242,5
TM FSwp [bps]	0,0	0,0	0,0	0,0
TM total [bps]	1863,0	54,0	54,0	2161,5

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- White: superseded science macros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