

Macro cmd	0x14	0x20	0x50	0x60
Macro ID	0x204	0x300	0x500	0x700
Notes	Use 0x026	Use 0x503	Use 0x525	Use 0x503

Purpose	Swp, HF	Vsc HF	Swp, HF	Vsc, HF
TM rate	BM	BM	NM	NM
Bias mode	NN	EE	NN	EE
Fix bias P1	0 V	0 nA	+20 V	-17 nA
Fix bias P2	0 V	0 nA	+20 V	-17 nA
Gain/bias P1	hi	bias	hi	ibias
Gain/bias P2	hi	bias	hi	ibias

#### LF continuous data (ADC20)

Note		V1, V2		V1, V2
Sampled data	-	-	-	-
Number of signals	0	2	0	2
Averaging	-	1	1	64
Downsampling	-	57.80	57.80	0.90
fsamp [Hz]	-	20	-	16
Bits/sample transmitted	-	1789	-	27
Samples/AQP/probe	-	-	-	-
Cadency (if not 1) [AQPs]	-	-	-	-
Cadency (if not 32s) [s]	-	-	-	-

#### HF wave snapshots (ADC16)

Note	I1, I2	.	I1, I2	V1-V2
Sampled data	2	0	2	1
Number of signals	1	1	1	1
Downsampling	18750	18750	18750	18750
fsamp [Hz]	2048	-	256	160
Samples	2	1	8	3
Cadency [AQPs]	64	32	256	96
Cadency [s]	-	-	-	-

#### Coarse sweeps (ADC16)

Probes	P1, P2	.	P1, P2	.
Number of signals	2	0	2	0
Shape	V	-	V	-
Directions (1 or 2)	2	-	1	1
Cadency [AQPs]	2	-	8	1
Cadency [s]	64	-	256	32
Range [V]	[-25,+25]	-	[-30,+20]	-
Step [V]	0.5	-	1	-
Number of steps	208	-	48	-
Plateau duration [cycles]	512	-	512	-
Plateau duration [ms]	27,3	-	27,3	0,0
Downsampling	64	-	128	-
Samples per plateau	8	-	4	0
Samples/sweep/probe	1678	-	202	0
Sweep duration [s]	5,73	-	1,38	0,00

#### 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 [yymmdd] Aug2006

TM LF [bps]	0,0	2236,3	0,0	27,0
TM HF [bps]	1024,0	0,0	32,0	26,7
TM CSwp [bps]	839,0	0,0	25,3	0,0
TM FSwp [bps]	0,0	0,0	0,0	0,0
TM total [bps]	1863,0	2236,3	57,3	53,7

#### 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 White: superseded science macros  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