

Macro cmd	0x10	0x12	0x13	0x14	0x43	0x44	0x50	0x63
Macro ID	0x200	0x212	0x203	0x204	0x503	0x504	0x600	0x703
Notes	Use 0x703	Use 0x505		Use 0x926	Use 0x800		Use 0x525	
Purpose	LDL, HF	Swp, HF	Swp, Vsc	Swp, HF	Vsc, HF	Vsc, HF	Swp, HF	LDL, Vsc, HF
TM rate	NM	NM	NM	BM	NM	BM	NM	NM
Bias mode	NN	NN	NE	NE	EE	EE	NN	E-
Fix bias P1	0 V	0 V	0 V	0 V	-8 nA	-8 nA	+20 V	-30 nA
Fix bias P2	0 V	0 V	0 nA	0 V	+3 nA	+3 nA	+20 V	MIP
Gain/bias P1	hi	hi	hi	hi	ibias	ibias	hi	ibias
Gain/bias P2	hi	hi	bias	hi	ibias	ibias	hi	-
LF continuous data (ADC20)								
Note			Snapshots					
Sampled data	-	-	V2	-	V1, V2	V1, V2	-	V1
Number of signals	0	0	1	0	2	2	0	1
Averaging								
Downsampling			1		64	1	1	32
fsamp [Hz]			57.8		0.90	57.80	57.80	1.81
Bits/sample transmitted			20		16	16		16
Samples/AQP/probe			256		28	1798		55
Cadency (if not 1) [AQPs]			4					
Cadency (if not 32s) [s]			128					
HF wave snapshots (ADC16)								
Sampled data	11	11, 12		11, 12	V1	V1, V2	11, 12	V1
Number of signals	1	2	0	2	1	2	1	1
Downsampling	1	1	1	1	1	1	1	1
fsamp [Hz]	18750	18750	18750	18750	18750	18750	18750	18750
Samples	128	256	256	2048	272	432	256	160
Cadency [AQPs]	2	8	8	2	5	1	8	3
Cadency [s]	64	256	256	64	160	32	256	96
Coarse sweeps (ADC16)								
Probes	-	P1, P2	P1	P1, P2	-	-	P1, P2	-
Number of signals	0	2	1	2	0	0	2	0
Shape		\	\	V			\	
Directions (1 or 2)		1	1	2			1	1
Cadency [AQPs]		8	8	2	1	1	8	1
Cadency [s]		256	256	64	32	32	256	32
Range [V]		[-30,+15]	[-11,+11]	[-25,+25]			[-30,+20]	
Step [V]		1	1	0.5			1	
Number of steps		48	48	208			48	
Plateau duration [cycles]		512	512	512			512	
Plateau duration [ms]		27.3	27.3	27.3	0.0	0.0	27.3	0.0
Downsampling		128	128	64	1	1	128	1
Samples per plateau		4	4	8	0	0	4	0
Samples/sweep/probe		202	202	1678	6	6	202	6
Sweep duration [s]		1.38	1.38	5.73	0.00	0.00	1.38	0.00
Fine sweeps (ADC16)								
Probes	-	-	-	-	-	-	-	-
Number of signals	0	0	0	0	0	0	0	0
Shape								
Cadency [AQPs]	1	1	1	1	1	1	1	1
Cadency [s]	32	32	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 [ymmdd]		040908			PC8	PC8		PC6
TM LF [bps]	0.0	0.0	40.0	0.0	28.0	1798.0	0.0	27.5
TM HF [bps]	32.0	32.0	0.0	1024.0	27.2	432.0	32.0	26.7
TM CSwp [bps]	0.0	25.3	12.6	839.0	0.0	0.0	25.3	0.0
TM FSwp [bps]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TM total [bps]	32.0	57.3	52.6	1863.0	55.2	2230.0	57.3	54.2

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