

Macro cmd	0x43	0x44	0x45	0x50	0x64	0x73
Macro ID	0x503	0x504	0x505	0x600	0x704	0x803
Notes	Use 0x800		0x525 replac Use 0x525	Use 0x525		Use 0x805
Purpose	Vsc, HF	Vsc, HF	N, HF, swp	Swp, HF	DL, Vsc, waw	LDL, N, HF
TM rate	NM	BM	NM	NM	BM	NM
Bias mode	EE	EE	NN	NN	E-	N-
Fix bias P1	-8 nA	-8 nA	+10 V	+20 V	-29 nA	+10 V
Fix bias P2	+3 nA	+3 nA	+10 V	+20 V	MIP	MIP
Gain/bias P1	ibias	ibias	hi	hi	ibias	hi
Gain/bias P2	ibias	ibias	hi	hi	-	hi
LF continuous data (ADC20)						
Sampled data	V1, V2	V1, V2	I1, I2	.	V1	I1
Number of signals	2	2	2	0	1	1
Downsampling	64	1	128	1	1	32
fsamp [Hz]	0,90	57,80	0,45	57,80	57,80	1,81
Bits/sample transmitted	16	16	16		16	16
Samples/AQP/probe	28	1798	14		1798	55
HF wave snapshots (ADC16)						
Sampled data	V1	V1, V2	I1, I2	I1, I2	V1	I1
Number of signals	1	2	2	2	1	1
Downsampling	1	1	1	1	1	1
fsamp [Hz]	18750	18750	18750	18750	18750	18750
Samples	272	432	96	256	2416	160
Cadency [AQPs]	5	1	5	8	1	3
Cadency [s]	160	32	160	256	32	96
Coarse sweeps (ADC16)						
Probes	.	.	P1, P2	P1, P2	.	.
Number of signals	0	0	2	2	0	0
Shape			\	\		
Directions (1 or 2)			1	1	1	1
Cadency [AQPs]	1	1	5	8	1	1
Cadency [s]	32	32	160	256	32	32
Range [V]			[-18, +18]	[-30, +20]		
Step [V]			0,75	1		
Number of steps			48	48		
Plateau duration [cycles]			512	512		
Plateau duration [ms]	0,0	0,0	27,3	27,3	0,0	0,0
Downsampling	1	1	256	128	1	1
Samples per plateau	0	0	2	4	0	0
Samples/sweep/probe	6	6	104	202	6	6
Sweep duration [s]	0,00	0,00	1,42	1,38	0,00	0,00
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	PC8	PC8	PC12		PC6	PC10
TM LF [bps]	28,0	1798,0	14,0	0,0	899,0	27,5
TM HF [bps]	27,2	432,0	19,2	32,0	1208,0	26,7
TM CSwp [bps]	0,0	0,0	20,8	25,3	0,0	0,0
TM FSwp [bps]	0,0	0,0	0,0	0,0	0,0	0,0
TM total [bps]	55,2	2230,0	54,0	57,3	2107,0	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White: superseded science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