Macro cmd	0x30	0x40	0x44	0x45	0x46	0x47	0x54	0x57	0x71	0x72	0x74	0x75	0x76	0x77	0x81	0x84	0x86
Macro ID	0x410	0x510	0x504	0x525	0x516	0x517	0x624	0x617	0x801	0x802	0x814	0x805	0x816	0x827	0x901	0x914	0x926
Notes	From 0x914 Use 0x412	From 0x914 Test			NeNi noHF	NiNi noHF	From 0x604	From 0x817	From 0x503	From 0x504	805 lessHF	803+cswp. Use 0x814	814 N+	From 0x817	From 0x624	From 0x624	From 0x624
Purpose	EN, swp	N, HF, swp	Vsc, HF	N, HF, swp	N, HF, swp	N, HF, swp	N, HF, swp	DL, N, HF, sv	Vsc, HF	Vsc, HF	DL,N,HF,Csw	DL,N,HF,Csw	DL,N,HF,Csw	DL, N, HF, sw	N, HF, swp	N, HF, swp	N, HF, swp
TM rate	BM	NM	BM	NM	NM	NM	NM	BM	NM	BM	NM	NM	NM	BM	BM	NM	NM
Bias mode	EN	NN	EE	NN	NN	NN	NN	N-	EE	EE	N-	N-	N-	N-	NN	NN	NN
Fix bias P1	float	-30 V	-8 nA	+30 V	+30 V	-30 V	+30 V	+30 V	float	float	-30 V	-20 V	+30 V	-30 V	+30 V	-30 V	+30 V
Fix bias P2	-30V	-30 V	+3 nA	-17 V	-30 V	-30 V	-30 V	MIP	float	float	MIP	MIP	MIP	MIP	+30 V	-30 V	-30 V
Gain/bias P1	float	hi	ibias	hi	hi	hi	hi	hi	float	float	hi	hi	hi	hi	hi	hi	hi
Gain/bias P2	hi	hi	ibias	hi	hi	hi	hi	-	float	float	-	-	-	-	hi	hi	hi
LF continuous data (ADC20)																	
Sampled data	V1, I2	I1, I2	V1, V2	I1, I2	I1, I2	I1, I2	I1, I2	I1	V1, V2	V1, V2	I1	I1	I1	I1	I1, I2	I1, I2	I1, I2
Number of signals	2	2	2	2	2	2	2	1	2	2	1	1	1	1	2	2	2
Downsampling	1	1	1	128	64	64	1	1	128	1	32	64	32	1	1	1	1
fsamp [Hz]	*57,80*	*57,80*	*57,80*	*0,45*	*0,90*	*0,90*	*57,80*	*57,80*	*0,45*	*57,80*	*1,81*	*0,90*	*1,81*	*57,80*	*57,80*	*57,80*	*57,80*
Bits/sample transmitted	20	16	16	16	16	16	16	20	16	16	16	20	16	20	16	16	16
Samples/AQP/probe	1632	1798	1798	14	27	27	1798	1798	14	1798	55	28	55	1798	1798	1798	1798
HF wave snapshots (ADC16)																	
Sampled data	-	I1, I2	V1, V2	I1, I2	I1, I2	I1, I2	I1, I2	I1	V1,V2	V1, V2	I1	I1	I1	I1	I1, I2	I1, I2	I1, I2
Number of signals	0	2	2	2	2	2	2	1	2	2	1	1	1	1	2	2	2
Downsampling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
fsamp [Hz]	*18750*	*18750*	*18750*	*18750*	*18750*	*18750*	*18750*	*18750*	*18750*	*18750*	*18750*	*18750*	*18750*	*18750*	*18750*	*18750*	*18750*
Samples	0	544	432	96	16	16	1600	3184	192	432	16	160	16	3184	1600	1600	1600
Cadency [AQPs]	1	2	1	5	5	5	5	2	5	1	5	5	5	2	5	5	5
Cadency [s]	*32*	*64*	*32*	*160*	*160*	*160*	*160*	*64*	*160*	*32*	*160*	*160*	*160*	*64*	*160*	*160*	*160*
Coarse sweeps (ADC16)																	
Probes	P2	P1, P2	.	P1, P2	P1, P2	P1, P2	P1, P2	P1	.	.	P1	P1	P1	P1	P1, P2	P1, P2	P1, P2
Number of signals	1	2	0	2	2	2	2	1	0	0	1	1	1	1	2	2	2
Shape	/	/		/	/	/	/	/			/	/	/	/	/	/	/\
Directions (1 or 2)	1	1		1	1	1	1				1	1	1		1	1	2
Cadency [AQPs]	1	2	1	5	5	5	5	2	1	1	5	5	5	2	5	5	5
Cadency [s]	*32*	*64*	*32*	*160*	*160*	*160*	*160*	*64*	*32*	*32*	*160*	*160*	*160*	*64*	*160*	*160*	*160*
Range [V]	[-30, +30]	[-30, +30]		[-17, +31]	[-30, +30]	[-30, +30]	[-30, +30]	[-30, +30]			[-30, 30]	[-22, 30]	[-30, 30]	[-30, +30]	[-30, +30]	[-30, +30]	[-30, +30]
Step [V]	0,25	0,25		0,5	0,5	0,5	0,25	0,25			0,25	0,25	0,25	0,25	0,25	0,25	0,5
Number of steps	240	240		96	112	112	240	240			240	208	240	240	240	240	240
Plateau duration [cycles]	64	256		256	128	128	256	128			64	128	64	128	256	256	512
Plateau duration [ms]	3,4	13,7	0,0	13,7	6,8	6,8	13,7	6,8	0,0	0,0	3,4	6,8	3,4	6,8	13,7	13,7	27,3
Downsampling	64	256	1	256	128	128	256	32	1	1	64	128	64	32	256	256	512
Samples per plateau	*1*	*1*	*0*	*1*	*1*	*1*	*1*	*4*	*0*	*0*	*1*	*1*	*1*	*4*	*1*	*1*	*1*
Samples/sweep/probe	*247*	*247*	*6*	*103*	*119*	*119*	*247*	*970*	*6*	*6*	*247*	*215*	*247*	*970*	*247*	*247*	*247*
Sweep duration [s]	*0,84*	*3,37*	*0,00*	*1,41*	*0,81*	*0,81*	*3,37*	*1,66*	*0,00*	*0,00*	*0,84*	*1,47*	*0,84*	*1,66*	*3,37*	*3,37*	*6,74*
Fine sweeps (ADC16)																	
Probes	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Number of signals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shape																	
Cadency [AQPs]	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cadency [s]	*32*	*32*	*32*	*32*	*32*	*32*	*32*	*32*	*32*	*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											*0*	*0*	*0*				
First upload	160305	160421	PC8	141206	160421	160421	141219	150703	150520	150520	160421	141206	160421	150731	150520	150731	160306
TM LF [bps]	*2040,0*	*1798,0*	*1798,0*	*14,0*	*27,0*	*27,0*	*1798,0*	*1123,8*	*14,0*	*1798,0*	*27,5*	*17,5*	*27,5*	*1123,8*	*1798,0*	*1798,0*	*1798,0*
TM HF [bps]	*0,0*	*272,0*	*432,0*	*19,2*	*3,2*	*3,2*	*320,0*	*796,0*	*38,4*	*432,0*	*1,6*	*16,0*	*1,6*	*796,0*	*320,0*	*320,0*	*320,0*
TM CSwp [bps]	*123,5*	*123,5*	*0,0*	*20,6*	*23,8*	*23,8*	*49,4*	*242,5*	*0,0*	*0,0*	*24,7*	*21,5*	*24,7*	*242,5*	*49,4*	*49,4*	*49,4*
TM FSwp [bps]	*0,0*	*0,0*	*0,0*	*0,0*	*0,0*	*0,0*	*0,0*	*0,0*	*0,0*	*0,0*	*0,0*	*0,0*	*0,0*	*0,0*	*0,0*	*0,0*	*0,0*
TM total [bps]	***2163,5***	***2193,5***	***2230,0***	***53,8***	***54,0***	***54,0***	***2167,4***	***2162,3***	***52,4***	***2230,0***	***53,8***	***55,0***	***53,8***	***2162,3***	***2167,4***	***2167,4***	***2167,4***

Field colour:
Green: currently prefered non-LDL science macros
Orange: currently prefered LDL science macros
Yellow: maintenance, diagnostics, etc
White: superseded science macros
Blue: ideas