



Publication Year	1998
Acceptance in OA	2023-02-10T13:42:34Z
Title	TC/TM DATABASE FOR THE EPIC MOS CAMERA SYSTEM (EMCS)
Authors	LA PALOMBARA, NICOLA
Handle	http://hdl.handle.net/20.500.12386/33400

EMCS TC PARAMETERS

PREF	PARAMETER NAME	UNIT	PTC	PFC	F/V	DEFAULT	MINIMUM	MAXIMUM	CURVE/ALIAS
FIX		n/a	0	0	F				
K1	Rejected Frames	n/a	3	12	V		0	32767	
K100	TimeCntPresetVal	sec	3	12	V		0	65535	
K104	EDU Identifier	n/a	3	4	V		0	7	
K105	EDU Zone	n/a	2	8	V		0	1	4008
K106	EMAE Seq. Ident.	n/a	3	4	V		1	5	
K107	PMT Identifier	n/a	3	4	V		0	7	
K108	OST Identifier	n/a	3	4	V		0	7	
K109	Seq. Pro. Ident.	n/a	3	4	V		0	4	
K110	EDU Low Thres. 1	n/a	3	12	V		0	4095	
K111	EDU Low Thres. 2	n/a	3	12	V		0	4095	
K112	EDU 0 Oper. Mode	n/a	2	8	V		0	2	4009
K113	EDU 1 Oper. Mode	n/a	2	8	V		0	2	4009
K114	EDU 2 Oper. Mode	n/a	2	8	V		0	2	4009
K115	EDU 3 Oper. Mode	n/a	2	8	V		0	2	4009
K116	EDU 4 Oper. Mode	n/a	2	8	V		0	2	4009
K117	EDU 5 Oper. Mode	n/a	2	8	V		0	2	4009
K118	EDU 6 Oper. Mode	n/a	2	8	V		0	2	4009
K119	EDU 7 Oper. Mode	n/a	2	8	V		0	2	4009
K120	EDU 0 Scien.Mode	n/a	2	8	V		0	3	4010
K121	EDU 1 Scien.Mode	n/a	2	8	V		0	3	4010
K122	EDU 2 Scien.Mode	n/a	2	8	V		0	3	4010
K123	EDU 3 Scien.Mode	n/a	2	8	V		0	3	4010
K124	EDU 4 Scien.Mode	n/a	2	8	V		0	3	4010
K125	EDU 5 Scien.Mode	n/a	2	8	V		0	3	4010
K126	EDU 6 Scien.Mode	n/a	2	8	V		0	3	4010
K127	EDU 7 Scien.Mode	n/a	2	8	V		0	3	4010
K128	AnnHeaterRelaySt	n/a	2	1	V		0	1	4005
K129	VacuumSensorStat	n/a	2	1	V		0	1	4005
K13	Process Identif.	n/a	2	0	V				
K130	RedThermContrSt	n/a	2	1	V		0	1	4005
K131	NomThermContrSt	n/a	2	1	V		0	1	4005
K132	EMAE Seq. Offset	n/a	3	12	V				
K133	EMAECOMMANDADDR.	n/a	3	4	V		0	255	
K134	Rotation Direct.	n/a	2	8	V	0	0	1	4011
K135	FW Exp Abs Pos	n/a	2	3	V		0	7	4012
K136	FW Running Mode	n/a	2	8	V	0	0	1	4014
K137	New Address	n/a	3	12	V		0	1599	
K138	Shroud Heater PW	n/a	2	0	V		0	65535	4035
K139	Window X0	n/a	3	12	V	0	0	609	
K14	Locking Time	sec	3	12	V	0			
K140	Window Y0	n/a	3	12	V	0	0	601	
K141	Window X size	n/a	3	12	V	610	1	610	
K142	Window Y size	n/a	3	12	V	602	1	602	
K143	Test Image	n/a	2	8	V	0	0	1	4015
K144	TI High Energy	n/a	3	12	V		0	4095	
K145	TI Low Energy	n/a	3	12	V		0	4095	
K146	Stop Nominal	n/a	2	1	V	0	0	1	4013
K147	Stop Redundant	n/a	2	1	V	0	0	1	4013
K148	EMCRGroup1IntTim	sec	3	12	V				4028
K149	EMCRGroup2IntTim	sec	3	12	V				4028
K15	Start Address	n/a	3	12	V				
K150	EMCRGroup3IntTim	sec	3	12	V				4028
K151	EMCRGroup4IntTim	sec	3	12	V				4028
K152	EMCR2FirstCycDel	sec	3	4	V		0	25,5	4028
K153	EMCR1FirstCycDel	sec	3	4	V		0	25,5	4028
K154	EMCR4FirstCycDel	sec	3	4	V		0	25,5	4028
K155	EMCR3FirstCycDel	sec	3	4	V		0	25,5	4028
K156	EMCR2ReadoutDel.	n/a	3	4	V		0	25,5	4028
K157	EMCR1ReadoutDel.	sec	3	4	V		0	25,5	4028
K158	EMCR4ReadoutDel.	sec	3	4	V		0	25,5	4028
K159	EMCR3ReadoutDel.	sec	3	4	V		0	25,5	4028
K16	OverrunTolerance	n/a	2	0	V				
K160	EMAECOMMANDDATUM	n/a	3	4	V		0	255	

EMCS TC PARAMETERS

PREF	PARAMETER NAME	UNIT	PTC	PFC	F/V	DEFAULT	MINIMUM	MAXIMUM	CURVE/ALIAS
K164	HBR1 Bright P.N.	n/a	3	4	V	0	0	50	
K165	HBR2 Bright P.N.	n/a	3	4	V	0	0	50	
K166	HBR3 Bright P.N.	n/a	3	4	V	0	0	50	
K167	HBR4 Bright P.N.	n/a	3	4	V	0	0	50	
K168	HBR5 Bright P.N.	n/a	3	4	V	0	0	50	
K169	HBR6 Bright P.N.	n/a	3	4	V	0	0	50	
K17	MaxOverrunCount.	n/a	3	12	V				
K170	HBR7 Bright P.N.	n/a	3	4	V	0	0	50	
K171	HBR8 Bright P.N.	n/a	3	4	V	0	0	50	
K172	AnCh 1/2 SeqRam	n/a	2	1	V		0	1	4020
K173	AnCh1/2 InbCtrlC	n/a	2	1	V		0	1	4005
K174	AnCh1/2 InbCtrlB	n/a	2	1	V		0	1	4005
K175	AnCh1/2 InbCtrlA	n/a	2	1	V		0	1	4005
K176	AnCh1/2 IntSimul	n/a	2	3	V		0	7	4021
K179	AnCh 3/4 SeqRam	n/a	2	1	V		0	1	4020
K18	Priority	n/a	3	12	V				
K180	AnCh3/4 InbCtrlC	n/a	2	1	V		0	1	4005
K181	AnCh3/4 InbCtrlB	n/a	2	1	V		0	1	4005
K182	AnCh3/4 InbCtrlA	n/a	2	1	V		0	1	4005
K183	AnCh3/4 IntSimul	n/a	2	3	V		0	7	4021
K186	AnCh 5/6 SeqRam	n/a	2	1	V		0	1	4020
K187	AnCh5/6 InbCtrlC	n/a	2	1	V		0	1	4005
K188	AnCh5/6 InbCtrlB	n/a	2	1	V		0	1	4005
K189	AnCh5/6 InbCtrlA	n/a	2	1	V		0	1	4005
K19	Period	n/a	3	12	V				
K190	AnCh5/6 IntSimul	n/a	2	3	V		0	7	4021
K193	AnCh 7/8 SeqRam	n/a	2	1	V		0	1	4020
K194	AnCh7/8 InbCtrlC	n/a	2	1	V		0	1	4005
K195	AnCh7/8 InbCtrlB	n/a	2	1	V		0	1	4005
K196	AnCh7/8 InbCtrlA	n/a	2	1	V		0	1	4005
K197	AnCh7/8 IntSimul	n/a	2	3	V		0	7	4021
K2	Exp. Frame Pixel	n/a	3	14	V	367220	0	367220	
K20	Phase	rad	3	12	V				
K200	Preamp. 1 On/Off	n/a	2	1	V	1	0	1	4005
K201	Preamp. 2 On/Off	n/a	2	1	V	0	0	1	4005
K202	Preamp. 3 On/Off	n/a	2	1	V	1	0	1	4005
K203	Preamp. 4 On/Off	n/a	2	1	V	0	0	1	4005
K204	Preamp. 5 On/Off	n/a	2	1	V	1	0	1	4005
K205	Preamp. 6 On/Off	n/a	2	1	V	0	0	1	4005
K206	Preamp. 7 On/Off	n/a	2	1	V	1	0	1	4005
K207	Preamp. 8 On/Off	n/a	2	1	V	0	0	1	4005
K208	Preamp. 9 On/Off	n/a	2	1	V	1	0	1	4005
K209	Preamp.10 On/Off	n/a	2	1	V	0	0	1	4005
K21	EMDHPeriodTaskSt	n/a	2	0	V				
K210	Preamp.11 On/Off	n/a	2	1	V	1	0	1	4005
K211	Preamp.12 On/Off	n/a	2	1	V	0	0	1	4005
K212	Preamp.13 On/Off	n/a	2	1	V	1	0	1	4005
K213	Preamp.14 On/Off	n/a	2	1	V	0	0	1	4005
K214	AnChain1PWOn/Off	n/a	2	1	V	1	0	1	4005
K215	AnChain2PWOn/Off	n/a	2	1	V	0	0	1	4005
K216	AnChain3PWOn/Off	n/a	2	1	V	1	0	1	4005
K217	AnChain4PWOn/Off	n/a	2	1	V	1	0	1	4005
K218	AnChain5PWOn/Off	n/a	2	1	V	1	0	1	4005
K219	AnChain6PWOn/Off	n/a	2	1	V	1	0	1	4005
K220	AnChain7PWOn/Off	n/a	2	1	V	1	0	1	4005
K221	AnChain8PWOn/Off	n/a	2	1	V	1	0	1	4005
K223	CCD VSS	V	3	4	V		0	9,945	4016
K224	CCD VBB	V	3	4	V		0	30,855	4026
K225	CCD VGR	V	3	4	V		0	30,855	4026
K226	CCD VID	V	3	4	V		0	30,855	4026
K227	CCD VOG1	V	3	4	V		0	9,945	4016
K228	CCD VRD1	V	3	4	V		0	20,655	4019
K229	CCD VOD1	V	3	4	V		0	38,76	4015
K23	HBR 1 Selection	n/a	2	1	V		0	1	4002

EMCS TC PARAMETERS

PREF	PARAMETER NAME	UNIT	PTC	PFC	F/V	DEFAULT	MINIMUM	MAXIMUM	CURVE/ALIAS
K230	CCD VOG2	V	3	4	V		0	9,945	4016
K231	CCD VRD2	V	3	4	V		0	20,655	4019
K232	CCD VOD2	V	3	4	V		0	38,76	4015
K233	CCD I	V	3	4	V		0	15,6315	4029
K234	CCD S	V	3	4	V		0	15,606	4025
K235	CCD R	V	3	4	V		0	15,606	4025
K236	CCD IG	V	3	4	V		0	15,045	4030
K237	CCD RESET 1	V	3	4	V		0	15,81	4031
K238	CCD RESET 2	V	3	4	V		0	15,81	4031
K239	FP TempMainContr	degC	3	4	V	-100	-168	53,595	4034
K24	HBR 2 Selection	n/a	2	1	V		0	1	4002
K240	FP TempRedContr	degC	3	4	V	-100	-168	53,595	4034
K241	CCD Identifier	n/a	3	12	V		1	7	
K242	Readout node	n/a	3	12	V		0	1	
K243	CCD mode	n/a	2	0	V		0	2	4036
K244	SmoothUppThresh	n/a	3	12	V		0	4095	
K245	SmoothLowThresh	n/a	3	12	V		0	4095	
K246	Initial Median	n/a	3	12	V		0	4095	
K247	Initial Sigma	n/a	3	12	V		0	4095	
K248	Sigma Factor	n/a	3	12	V		0	4095	
K249	Instance Number	n/a	3	12	V		1	602	
K25	HBR 3 Selection	n/a	2	1	V		0	1	4002
K250	Field of View P1	n/a	3	12	V		0	609	
K251	Field of View P2	n/a	3	12	V		0	601	
K252	Field of View P3	n/a	3	12	V		0	609	
K253	Field of View P4	n/a	3	12	V		0	601	
K254	Field of View P5	n/a	3	12	V		0	609	
K255	Field of View P6	n/a	3	12	V		0	601	
K256	Field of View P7	n/a	3	12	V		0	609	
K257	Field of View P8	n/a	3	12	V		0	601	
K26	HBR 4 Selection	n/a	2	1	V		0	1	4002
K27	HBR 5 Selection	n/a	2	1	V		0	1	4002
K28	HBR 6 Selection	n/a	2	1	V		0	1	4002
K29	HBR 7 Selection	n/a	2	1	V		0	1	4002
K3	ExtraheatingMode	n/a	2	8	V		0	2	4000
K30	HBR 8 Selection	n/a	2	1	V		0	1	4002
K31	HBR 1 Active	n/a	2	1	V		0	1	4003
K32	HBR 2 Active	n/a	2	1	V		0	1	4003
K33	HBR 3 Active	n/a	2	1	V		0	1	4003
K34	HBR 4 Active	n/a	2	1	V		0	1	4003
K35	HBR 5 Active	n/a	2	1	V		0	1	4003
K36	HBR 6 Active	n/a	2	1	V		0	1	4003
K37	HBR 7 Active	n/a	2	1	V		0	1	4003
K38	HBR 8 Active	n/a	2	1	V		0	1	4003
K39	HBR 1 Processing	n/a	2	0	V		1	10	4018
K4	MinTempSetValue	degC	3	4	V		-223,6	140	4024
K40	HBR 2 Processing	n/a	2	0	V		1	10	4018
K41	HBR 3 Processing	n/a	2	0	V		1	10	4018
K42	HBR 4 Processing	n/a	2	0	V		1	10	4018
K43	HBR 5 Processing	n/a	2	0	V		1	10	4018
K44	HBR 6 Processing	n/a	2	0	V		1	10	4018
K45	HBR 7 Processing	n/a	2	0	V		1	10	4018
K46	HBR 8 Processing	n/a	2	0	V		1	10	4018
K47	HBR1BufferStartA	n/a	3	14	V	655360	655360	851967	
K48	HBR1BufferEndAdd	n/a	3	14	V	679935	655360	851967	
K49	HBR2BufferStartA	n/a	3	14	V	679936	655360	851967	
K5	MaxTempSetValue	degC	3	4	V		-223,6	140	4024
K50	HBR2BufferEndAdd	n/a	3	14	V	704511	655360	851967	
K51	HBR3BufferStartA	n/a	3	14	V	704512	655360	851967	
K52	HBR3BufferEndAdd	n/a	3	14	V	729087	655360	851967	
K53	HBR4BufferStartA	n/a	3	14	V	729088	655360	851967	
K54	HBR4BufferEndAdd	n/a	3	14	V	753663	655360	851967	
K55	HBR5BufferStartA	n/a	3	14	V	753664	655360	851967	
K56	HBR5BufferEndAdd	n/a	3	14	V	778239	655360	851967	

EMCS TC PARAMETERS

PREF	PARAMETER NAME	UNIT	PTC	PFC	F/V	DEFAULT	MINIMUM	MAXIMUM	CURVE/ALIAS
K57	HBR6BufferStartA	n/a	3	14	V	778240	655360	851967	
K58	HBR6BufferEndAdd	n/a	3	14	V	802815	655360	851967	
K59	HBR7BufferStartA	n/a	3	14	V	802816	655360	851967	
K6	IFTSelectionMode	n/a	2	0	V		0	1	4001
K60	HBR7BufferEndAdd	n/a	3	14	V	827391	655360	851967	
K61	HBR8BufferStartA	n/a	3	14	V	827392	655360	851967	
K62	HBR8BufferEndAdd	n/a	3	14	V	851967	655360	851967	
K63	HBR1 Low Thresh	n/a	3	12	V	0	0	32767	
K64	HBR1 Upp Thresh	n/a	3	12	V	32767	0	32767	
K65	HBR2 Low Thresh	n/a	3	12	V	0	0	32767	
K66	HBR2 Upp Thresh	n/a	3	12	V	32767	0	32767	
K67	HBR3 Low Thresh	n/a	3	12	V	0	0	32767	
K68	HBR3 Upp Thresh	n/a	3	12	V	32767	0	32767	
K69	HBR4 Low Thresh	n/a	3	12	V	0	0	32767	
K70	HBR4 Upp Thresh	n/a	3	12	V	32767	0	32767	
K71	HBR5 Low Thresh	n/a	3	12	V	0	0	32767	
K72	HBR5 Upp Thresh	n/a	3	12	V	32767	0	32767	
K73	HBR6 Low Thresh	n/a	3	12	V	0	0	32767	
K74	HBR6 Upp Thresh	n/a	3	12	V	32767	0	32767	
K75	HBR7 Low Thresh	n/a	3	12	V	0	0	32767	
K76	HBR7 Upp Thresh	n/a	3	12	V	32767	0	32767	
K77	HBR8 Low Thresh	n/a	3	12	V	0	0	32767	
K78	HBR8 Upp Thresh	n/a	3	12	V	32767	0	32767	
K79	FastPatternThres	n/a	3	12	V	0	0	3	
K80	DeicinLowTempLim	degC	3	4	V	-140	-223,6	201,74	4024
K81	DeicinUppTempLim	degC	3	4	V	-40	-223,6	201,74	4024
K82	DeconLowTempLim	degC	3	4	V	-140	-223,6	201,74	4024
K83	DeconUppTempLim	degC	3	4	V	0	-223,6	201,74	4024
K84	AnnealLowTempLim	degC	3	4	V	-140	-223,6	201,74	4024
K85	AnnealUppTempLim	degC	3	4	V	140	-223,6	201,74	4024
K86	DeicinConfThCont	n/a	2	0	V	1	0	1	4005
K87	DeicinConfShroud	n/a	2	0	V	1	0	1	4005
K88	DeicinConfAnneal	n/a	2	0	V	0	0	1	4005
K89	DecontConfThCont	n/a	2	0	V	0	0	1	4005
K90	DecontConfShroud	n/a	2	0	V	1	0	1	4005
K91	DecontConfAnneal	n/a	2	0	V	1	0	1	4005
K92	AnnealConfThCont	n/a	2	0	V	0	0	1	4005
K93	AnnealConfShroud	n/a	2	0	V	1	0	1	4005
K94	AnnealConfAnneal	n/a	2	0	V	1	0	1	4005
K95	LowMonTempLimits	degC	3	4	V	-140	-223,6	201,74	4024
K96	UppMonTempLimits	degC	3	4	V	-30	-223,6	201,74	4024
K97	Activation Time	sec	3	4	V		0	255	
K98	FW PW Coil Sel.	n/a	2	0	V	1	1	3	4006
K99	FW T Coil Sel.	n/a	2	8	V	0	0	2	4007