



<b>Publication Year</b>	1998
<b>Acceptance in OA @INAF</b>	2023-02-10T13:42:34Z
<b>Title</b>	TC/TM DATABASE FOR THE EPIC MOS CAMERA SYSTEM (EMCS)
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<b>Handle</b>	<a href="http://hdl.handle.net/20.500.12386/33400">http://hdl.handle.net/20.500.12386/33400</a>

# EMCS TM PARAMETERS

PREF	NAME	UNIT	PTC	PFC	F/V	DEFAULT	MINIMUM	MAXIMUM	CURVE/ALIAS
FIX	Fix bit pattern	n/a	0	0	F				
K1001	D Prim PW Consum	A	3	12	V				4009
K1002	D P.S. Temp #1	degC	3	12	V				4011
K1003	D P.S. Temp #2	degC	3	12	V				4011
K1004	D +5 V PW Supply	V	3	12	V				4022
K1005	D DBU Power +6V	V	3	12	V				4022
K1006	D +15V PW Supply	V	3	12	V				4022
K1007	D -15V PW Supply	V	3	12	V				4022
K1008	G EMCS Oper Mode	n/a	2	8	V				4016
K1009	G EMCS Status	n/a	2	8	V				4017
K1010	D Door HOP Stat.	n/a	2	1	V				4005
K1011	D Ven Val HOP St	n/a	2	1	V				4005
K1012	D FW Coil 1 Stat	n/a	2	1	V				4005
K1013	D FW Coil 2 Stat	n/a	2	1	V				4005
K1014	D Ann Heater St.	n/a	2	1	V				4005
K1015	D Shr Heater St.	n/a	2	1	V				4005
K1016	D Door HOP LCP	n/a	2	1	V				4005
K1017	D VenVal HOP LCP	n/a	2	1	V				4005
K1018	D FW Coil 1 LCP	n/a	2	1	V				4005
K1019	D FW Coil 2 LCP	n/a	2	1	V				4005
K1020	D Ann Heater LCP	n/a	2	1	V				4005
K1021	D Shr Heater LCP	n/a	2	1	V				4005
K1022	D Door HOP CLS	n/a	2	1	V				4005
K1023	D VenVal HOP CLS	n/a	2	1	V				4005
K1024	D FW Coil 1 CLS	n/a	2	1	V				4005
K1025	D FW Coil 2 CLS	n/a	2	1	V				4005
K1026	D Ann Heater CLS	n/a	2	1	V				4005
K1027	D Shr Heater CLS	n/a	2	1	V				4005
K1028	D HBR1 Ch. Conf.	n/a	2	8	V				4018
K1029	D HBR2 Ch. Conf.	n/a	2	8	V				4018
K1030	D HBR3 Ch. Conf.	n/a	2	8	V				4018
K1031	D HBR4 Ch. Conf.	n/a	2	8	V				4018
K1032	D HBR5 Ch. Conf.	n/a	2	8	V				4018
K1033	D HBR6 Ch. Conf.	n/a	2	8	V				4018
K1034	D HBR7 Ch. Conf.	n/a	2	8	V				4018
K1035	D HBR8 Ch. Conf.	n/a	2	8	V				4018
K1036	D HBR 1 Buff Occ	n/a	3	4	V				
K1037	D HBR 2 Buff Occ	n/a	3	4	V				
K1038	D HBR 3 Buff Occ	n/a	3	4	V				
K1039	D HBR 4 Buff Occ	n/a	3	4	V				
K1040	D HBR 5 Buff Occ	n/a	3	4	V				
K1041	D HBR 6 Buff Occ	n/a	3	4	V				
K1042	D HBR 7 Buff Occ	n/a	3	4	V				
K1043	D HBR 8 Buff Occ	n/a	3	4	V				
K1044	CTimAutResPreVal	sec	3	12	V				
K1045	D LBR I/F Status	n/a	2	0	V				4037
K1046	DLast Com FW Pos	n/a	3	12	V				
K1047	D HBR1 Disc Even	n/a	3	12	V				
K1048	D HBR2 Disc Even	n/a	3	12	V				
K1049	D HBR3 Disc Even	n/a	3	12	V				
K1050	D HBR4 Disc Even	n/a	3	12	V				
K1051	D HBR5 Disc Even	n/a	3	12	V				
K1052	D HBR6 Disc Even	n/a	3	12	V				
K1053	D HBR7 Disc Even	n/a	3	12	V				
K1054	D HBR8 Disc Even	n/a	3	12	V				
K1055	D HBR1 Disc Fram	n/a	3	12	V				
K1056	D HBR2 Disc Fram	n/a	3	12	V				
K1057	D HBR3 Disc Fram	n/a	3	12	V				
K1058	D HBR4 Disc Fram	n/a	3	12	V				
K1059	D HBR5 Disc Fram	n/a	3	12	V				
K1060	D HBR6 Disc Fram	n/a	3	12	V				
K1061	D HBR7 Disc Fram	n/a	3	12	V				
K1062	D HBR8 Disc Fram	n/a	3	12	V				
K1065	D Door HOP ArmST	n/a	2	8	V				4019
K1066	D VenValHOPArmST	n/a	2	8	V				4019

# EMCS TM PARAMETERS

PREF	NAME	UNIT	PTC	PFC	F/V	DEFAULT	MINIMUM	MAXIMUM	CURVE/ALIAS
K1067	C H/K Ref Status	n/a	2	0	V				4034
K1068	C EDU 0 Status	n/a	3	12	V				
K1069	C EDU 1 Status	n/a	3	12	V				
K1070	C EDU 2 Status	n/a	3	12	V				
K1071	C EDU 3 Status	n/a	3	12	V				
K1072	C EDU 4 Status	n/a	3	12	V				
K1073	C EDU 5 Status	n/a	3	12	V				
K1074	C EDU 6 Status	n/a	3	12	V				
K1075	C EDU 7 Status	n/a	3	12	V				
K1076	C EMAE -6 V Line	V	3	4	V				4000
K1077	C EMAE +6 V Line	V	3	4	V				4000
K1078	C EMAE -13V Line	V	3	4	V				4002
K1079	C EMAE +13V Line	V	3	4	V				4002
K1080	C EMAE +28V Line	V	3	4	V				4004
K1081	C EMAE +18V Line	V	3	4	V				4005
K1082	C Signal Ground	V	3	4	V				4006
K1083	C EMAE +32V Line	V	3	4	V				4007
K1084	V EMVC Temp. #1	degC	3	4	V				4008
K1085	C EMCR Temp. #1	degC	3	4	V				4008
K1086	C EMCR +5 V Line	V	3	4	V				4000
K1087	V EMVC Temp. #2	degC	3	4	V				4008
K1088	C EMCR -13V Line	V	3	4	V				4012
K1089	C EMCR +13V Line	V	3	4	V				4012
K1090	C EMCR Temp. #2	degC	3	4	V				4008
K1091	C EMAECmEchoErCnt	n/a	3	4	V				
K1092	C EMAELsWrEchoCom	n/a	2	8	V				
K1093	E CCD 1 VBB	V	3	4	V				4026
K1094	E CCD 1 VSS	V	3	4	V				4016
K1095	E CCD 1 VID	V	3	4	V				4026
K1096	E CCD 1 VGR	V	3	4	V				4026
K1097	E CCD 1 VRD1	V	3	4	V				4019
K1098	E CCD 1 VOG1	V	3	4	V				4016
K1099	E CCD 1 VOG2	V	3	4	V				4016
K1100	E CCD 1 VOD1	V	3	4	V				4015
K1101	E CCD 1 VOD2	V	3	4	V				4015
K1102	E CCD 1 VRD2	V	3	4	V				4019
K1103	E CCD 1 S	V	3	4	V				4025
K1104	E CCD 1 I	V	3	4	V				4029
K1105	E CCD 1 IG	V	3	4	V				4030
K1106	E CCD 1 R	V	3	4	V				4025
K1107	E CCD 1 RESET 2	V	3	4	V				4031
K1108	E CCD 1 RESET 1	V	3	4	V				4031
K1109	A AnCh1/2 SeqRam	n/a	2	1	V				4020
K1110	AAAnCh1/2InbCtrlC	n/a	2	1	V				4005
K1111	AAAnCh1/2InbCtrlB	n/a	2	1	V				4005
K1112	AAAnCh1/2InbCtrlA	n/a	2	1	V				4005
K1113	AAAnCh1/2IntSimul	n/a	2	3	V				4021
K1116	AAAnCh1/2GaNmSet	n/a	3	4	V				
K1117	AAAnCh1/2LoadAddL	n/a	3	3	V				
K1118	AAAnCh1/2LoadAddM	n/a	2	2	V				
K1119	A Seq PC FW Mode	n/a	2	1	V				4020
K1120	A SeqPCFWDrvInbC	n/a	2	1	V				4005
K1121	A SeqPCFWDrvInbB	n/a	2	1	V				4005
K1122	A SeqPCFWDrvInbA	n/a	2	1	V				4005
K1123	ASeqPCWhDrvDirec	n/a	2	1	V				4011
K1124	A SeqPCWhMovTrig	n/a	2	1	V				
K1125	AAAnCh1/2LoadData	n/a	3	4	V				
K1126	A SeqFW LoadAddL	n/a	3	3	V				
K1127	A SeqFW LoadAddM	n/a	2	2	V				
K1128	A FWActStepCntM	n/a	3	4	V				
K1129	A SeqFW LoadData	n/a	3	4	V				
K1130	A AnCh8 PWStatus	n/a	2	1	V				4005
K1131	A AnCh7 PWStatus	n/a	2	1	V				4005
K1132	A AnCh6 PWStatus	n/a	2	1	V				4005
K1133	A AnCh5 PWStatus	n/a	2	1	V				4005

# EMCS TM PARAMETERS

EPIC-EST-TN-008 I.2

Appendix B

PREF	NAME	UNIT	PTC	PFC	F/V	DEFAULT	MINIMUM	MAXIMUM	CURVE/ALIAS
K1134	A AnCh4 PWStatus	n/a	2	1	V				4005
K1135	A AnCh3 PWStatus	n/a	2	1	V				4005
K1136	A AnCh2 PWStatus	n/a	2	1	V				4005
K1137	A AnCh1 PWStatus	n/a	2	1	V				4005
K1138	A FWActStepCntL	n/a	3	4	V				
K1139	H PreAmp14 PW ST	n/a	2	1	V				4005
K1140	H PreAmp13 PW ST	n/a	2	1	V				4005
K1141	H PreAmp12 PW ST	n/a	2	1	V				4005
K1142	H PreAmp11 PW ST	n/a	2	1	V				4005
K1143	H PreAmp10 PW ST	n/a	2	1	V				4005
K1144	H PreAmp09 PW ST	n/a	2	1	V				4005
K1145	H PreAmp01 PW ST	n/a	2	1	V				4005
K1146	H PreAmp02 PW ST	n/a	2	1	V				4005
K1147	H PreAmp03 PW ST	n/a	2	1	V				4005
K1148	H PreAmp04 PW ST	n/a	2	1	V				4005
K1149	H PreAmp05 PW ST	n/a	2	1	V				4005
K1150	H PreAmp06 PW ST	n/a	2	1	V				4005
K1151	H PreAmp07 PW ST	n/a	2	1	V				4005
K1152	H PreAmp08 PW ST	n/a	2	1	V				4005
K1153	ASeq7/8ReadOutSy	n/a	2	1	V				4003
K1154	ASeq5/6ReadOutSy	n/a	2	1	V				4003
K1155	ASeq3/4ReadOutSy	n/a	2	1	V				4003
K1156	ASeq1/2ReadOutSy	n/a	2	1	V				4003
K1157	ASeq7/8FrmTranSy	n/a	2	1	V				4003
K1158	ASeq5/6FrmTranSy	n/a	2	1	V				4003
K1159	ASeq3/4FrmTranSy	n/a	2	1	V				4003
K1160	ASeq1/2FrmTranSy	n/a	2	1	V				4003
K1161	AFPTCPwStAnHeReD	n/a	2	1	V				4005
K1162	AFPTCPwStVacuSen	n/a	2	1	V				4005
K1163	AFPTCPwStTemConR	n/a	2	1	V				4005
K1164	AFPTCPwStTemConN	n/a	2	1	V				4005
K1165	E CCD 2 VBB	V	3	4	V				4026
K1166	E CCD 2 VSS	V	3	4	V				4016
K1167	E CCD 2 VID	V	3	4	V				4026
K1168	E CCD 2 VGR	V	3	4	V				4026
K1169	E CCD 2 VRD1	V	3	4	V				4019
K1170	E CCD 2 VOG1	V	3	4	V				4016
K1171	E CCD 2 VOG2	V	3	4	V				4016
K1172	E CCD 2 VOD1	V	3	4	V				4015
K1173	E CCD 2 VOD2	V	3	4	V				4015
K1174	E CCD 2 VRD2	V	3	4	V				4019
K1175	E CCD 2 S	V	3	4	V				4025
K1176	E CCD 2 I	V	3	4	V				4029
K1177	E CCD 2 IG	V	3	4	V				4030
K1178	E CCD 2 R	V	3	4	V				4025
K1179	E CCD2 RESET2	V	3	4	V				4031
K1180	E CCD2 RESET1	V	3	4	V				4031
K1181	E CCD 5 VBB	V	3	4	V				4026
K1182	E CCD 5 VSS	V	3	4	V				4016
K1183	E CCD 5 VID	V	3	4	V				4026
K1184	E CCD 5 VGR	V	3	4	V				4026
K1185	E CCD 5 VRD1	V	3	4	V				4019
K1186	E CCD 5 VOG1	V	3	4	V				4016
K1187	E CCD 5 VOG2	V	3	4	V				4016
K1188	E CCD 5 VOD1	V	3	4	V				4015
K1189	E CCD 5 VOD2	V	3	4	V				4015
K1190	E CCD 5 VRD2	V	3	4	V				4019
K1191	E CCD 5 S	V	3	4	V				4025
K1192	E CCD 5 I	V	3	4	V				4029
K1193	E CCD 5 IG	V	3	4	V				4030
K1194	E CCD 5 R	V	3	4	V				4025
K1195	E CCD 5 RESET2	V	3	4	V				4031
K1196	E CCD 5 RESET1	V	3	4	V				4031
K1197	A AnCh3/4 SeqRam	n/a	2	1	V				4020
K1198	AAAnCh3/4InbCtrlC	n/a	2	1	V				4005

# EMCS TM PARAMETERS

PREF	NAME	UNIT	PTC	PFC	F/V	DEFAULT	MINIMUM	MAXIMUM	CURVE/ALIAS
K1199	AAAnCh3/4InbCtrlB	n/a	2	1	V				4005
K1200	AAAnCh3/4InbCtrlA	n/a	2	1	V				4005
K1201	AAAnCh3/4IntSimul	n/a	2	3	V				4021
K1204	AAAnCh3/4GaNumSet	n/a	3	4	V				
K1205	AAAnCh3/4LoadAddL	n/a	3	3	V				
K1206	AAAnCh3/4LoadAddM	n/a	2	2	V				
K1207	AFPNomThCoTemSet	degC	3	4	V				4034
K1208	AAAnCh3/4LoadData	n/a	3	4	V				
K1209	E CCD 4 VSS	V	3	4	V				4016
K1210	AFPRedThCoTemSet	degC	3	4	V				4034
K1211	E CCD 4 VGR	V	3	4	V				4026
K1212	E CCD 4 VBB	V	3	4	V				4026
K1213	E CCD 4 VOG1	V	3	4	V				4016
K1214	E CCD 4 VID	V	3	4	V				4026
K1215	E CCD 4 VOD1	V	3	4	V				4015
K1216	E CCD 4 VRD1	V	3	4	V				4019
K1217	E CCD 4 VRD2	V	3	4	V				4019
K1218	E CCD 4 VOG2	V	3	4	V				4016
K1219	E CCD 4 I	V	3	4	V				4029
K1220	E CCD 4 VOD2	V	3	4	V				4015
K1221	E CCD 4 R	V	3	4	V				4025
K1222	E CCD 4 S	V	3	4	V				4025
K1223	E CCD 4 RESET 1	V	3	4	V				4031
K1224	E CCD 4 IG	V	3	4	V				4030
K1225	E CCD 7 VSS	V	3	4	V				4016
K1226	E CCD 4 RESET2	V	3	4	V				4031
K1227	E CCD 7 VGR	V	3	4	V				4026
K1228	E CCD 7 VBB	V	3	4	V				4026
K1229	E CCD 7 VOG1	V	3	4	V				4016
K1230	E CCD 7 VID	V	3	4	V				4026
K1231	E CCD 7 VOD1	V	3	4	V				4015
K1232	E CCD 7 VRD1	V	3	4	V				4019
K1233	E CCD 7 VRD2	V	3	4	V				4019
K1234	E CCD 7 VOG2	V	3	4	V				4016
K1235	E CCD 7 I	V	3	4	V				4029
K1236	E CCD 7 VOD2	V	3	4	V				4015
K1237	E CCD 7 R	V	3	4	V				4025
K1238	E CCD 7 S	V	3	4	V				4025
K1239	E CCD 7 RESET1	V	3	4	V				4031
K1240	E CCD 7 IG	V	3	4	V				4030
K1241	AAAnCh5/6GaNumSet	n/a	3	4	V				
K1242	E CCD 7 RESET2	V	3	4	V				4031
K1243	AAAnCh5/6LoadAddM	n/a	2	2	V				
K1244	A AnCh5/6 SeqRam	n/a	2	1	V				4020
K1245	AAAnCh5/6InbCtrlC	n/a	2	1	V				4005
K1246	AAAnCh5/6InbCtrlB	n/a	2	1	V				4005
K1247	AAAnCh5/6InbCtrlA	n/a	2	1	V				4005
K1248	AAAnCh5/6IntSimul	n/a	2	3	V				4021
K1251	AAAnCh5/6LoadData	n/a	3	4	V				
K1252	AAAnCh5/6LoadAddL	n/a	3	3	V				
K1253	H FPlanNorRanTem	degC	3	4	V				4027
K1254	H FW NominalStop	n/a	2	1	V				4013
K1255	HDoorBellowState	n/a	2	1	V				4029
K1256	H Door Open uSw	n/a	2	1	V				4027
K1257	H FW Position	n/a	2	3	V				4012
K1258	H FW Redund Stop	n/a	2	1	V				4013
K1260	AFPRedThCoTemMon	degC	3	4	V				4098
K1261	H Vacuum Monitor	mV	3	4	V				4099
K1262	H Secon Rad Temp	degC	3	4	V				4100
K1263	A Rad. Mon. FET1	mV	3	4	V				4099
K1264	A Rad. Mon. FET3	mV	3	4	V				4099
K1265	HDoorBellowPress	Bar	3	4	V				4101
K1266	E CCD 3 VBB	V	3	4	V				4026
K1267	E CCD 3 VSS	V	3	4	V				4016
K1268	E CCD 3 VID	V	3	4	V				4026

# EMCS TM PARAMETERS

PREF	NAME	UNIT	PTC	PFC	F/V	DEFAULT	MINIMUM	MAXIMUM	CURVE/ALIAS
K1269	E CCD 3 VGR	V	3	4	V				4026
K1270	E CCD 3 VRD1	V	3	4	V				4019
K1271	E CCD 3 VOG1	V	3	4	V				4016
K1272	E CCD 3 VOG2	V	3	4	V				4016
K1273	E CCD 3 VOD1	V	3	4	V				4015
K1274	E CCD 3 VOD2	V	3	4	V				4015
K1275	E CCD 3 VRD2	V	3	4	V				4019
K1276	E CCD 3 S	V	3	4	V				4025
K1277	E CCD 3 I	V	3	4	V				4029
K1278	E CCD 3 IG	V	3	4	V				4030
K1279	E CCD 3 R	V	3	4	V				4025
K1280	E CCD 3 RESET2	V	3	4	V				4031
K1281	E CCD 3 RESET1	V	3	4	V				4031
K1282	E CCD 6 VBB	V	3	4	V				4026
K1283	E CCD 6 VSS	V	3	4	V				4016
K1284	E CCD 6 VID	V	3	4	V				4026
K1285	E CCD 6 VGR	V	3	4	V				4026
K1286	E CCD 6 VRD1	V	3	4	V				4019
K1287	E CCD 6 VOG1	V	3	4	V				4016
K1288	E CCD 6 VOG2	V	3	4	V				4016
K1289	E CCD 6 VOD1	V	3	4	V				4015
K1290	E CCD 6 VOD2	V	3	4	V				4015
K1291	E CCD 6 VRD2	V	3	4	V				4019
K1292	E CCD 6 S	V	3	4	V				4025
K1293	E CCD 6 I	V	3	4	V				4029
K1294	E CCD 6 IG	V	3	4	V				4030
K1295	E CCD 6 R	V	3	4	V				4025
K1296	E CCD 6 RESET2	V	3	4	V				4031
K1297	E CCD 6 RESET1	V	3	4	V				4031
K1298	A AnCh7/8 SeqRam	n/a	2	1	V				4020
K1299	AAAnCh7/8InbCtrlC	n/a	2	1	V				4005
K1300	AAAnCh7/8InbCtrlB	n/a	2	1	V				4005
K1301	AAAnCh7/8InbCtrlA	n/a	2	1	V				4005
K1302	AAAnCh7/8IntSimul	n/a	2	3	V				4021
K1305	AAAnCh7/8GaNumSet	n/a	3	4	V				
K1306	AAAnCh7/8LoadAddL	n/a	3	3	V				
K1307	AAAnCh7/8LoadAddM	n/a	2	2	V				
K1308	HFPlaneExtRanTem	degC	3	4	V				4024
K1309	AAAnCh7/8LoadData	n/a	3	4	V				
K1310	H FW Motor Temp	degC	3	4	V				4137
K1311	A AE Electr Temp	degC	3	4	V				4138
K1312	AFPNomThCoTemMon	degC	3	4	V				4098
K1313	A Rad. Mon. FET2	mV	3	4	V				4099
K1314	A Rad. Mon. FET4	mV	3	4	V				4099
K1315	H CH Electr Temp	degC	3	4	V				4142
K1316	CFWExpNomStopSen	n/a	2	1	V				4013
K1317	CFWActStepNumRef	n/a	3	12	V				
K1318	CGroup1SeqNumber	n/a	3	0	V				
K1319	C Group1 IntTime	sec	3	8	V				4023
K1320	C Gr1 FrstCyDel1	sec	3	0	V				4023
K1321	C Group1X0Posit.	n/a	3	8	V				
K1322	C Gr1 FrstCyDel2	sec	3	0	V				4023
K1323	C Group1Y0Posit.	n/a	3	8	V				
K1324	CGroup1ReaOuDel1	sec	3	0	V				4023
K1325	C Group1 X Size	n/a	3	8	V				
K1326	CGroup1ReaOuDel2	sec	3	0	V				4023
K1327	C Group1 Y Size	n/a	3	8	V				
K1328	CGroup2SeqNumber	n/a	3	0	V				
K1329	C Group2 IntTime	sec	3	8	V				4023
K1330	C Gr2 FrstCyDel1	sec	3	0	V				4023
K1331	C Group2X0Posit.	n/a	3	8	V				
K1332	C Gr2 FrstCyDel2	sec	3	0	V				4023
K1333	C Group2Y0Posit.	n/a	3	8	V				
K1334	CGroup2ReaOuDel1	sec	3	0	V				4023
K1335	C Group2 X Size	n/a	3	8	V				

# EMCS TM PARAMETERS

PREF	NAME	UNIT	PTC	PFC	F/V	DEFAULT	MINIMUM	MAXIMUM	CURVE/ALIAS
K1336	CGroup2ReaOuDel2	sec	3	0	V				4023
K1337	C Group2 Y Size	n/a	3	8	V				
K1338	CGroup3SeqNumber	n/a	3	0	V				
K1339	C Group3 IntTime	sec	3	8	V				4023
K1340	C Gr3 FrstCyDel1	sec	3	0	V				4023
K1341	C Group3X0Posit.	n/a	3	8	V				
K1342	C Gr3 FrstCyDel2	sec	3	0	V				4023
K1343	C Group3Y0Posit.	n/a	3	8	V				
K1344	CGroup3ReaOuDel1	sec	3	0	V				4023
K1345	C Group3 X Size	n/a	3	8	V				
K1346	CGroup3ReaOuDel2	sec	3	0	V				4023
K1347	C Group3 Y Size	n/a	3	8	V				
K1348	CGroup4SeqNumber	n/a	3	0	V				
K1349	C Group4 IntTime	sec	3	8	V				4023
K1350	C Gr4 FrstCyDel1	sec	3	0	V				4023
K1351	C Group4X0Posit.	n/a	3	8	V				
K1352	C Gr4 FrstCyDel2	sec	3	0	V				4023
K1353	C Group4Y0Posit.	n/a	3	8	V				
K1354	CGroup4ReaOuDel1	sec	3	0	V				4023
K1355	C Group4 X Size	n/a	3	8	V				
K1356	CGroup4ReaOuDel2	sec	3	0	V				4023
K1357	C Group4 Y Size	n/a	3	8	V				
K1358	CEDU0OperatioMod	n/a	2	2	V				4009
K1359	CEDU0ScientifMod	n/a	2	2	V				4010
K1360	CEDU0Node0TabOff	n/a	2	3	V				
K1361	CEDU0Node1TabOff	n/a	2	3	V				
K1362	CEDU0TabPattMask	n/a	2	3	V				
K1363	CEDU1OperatioMod	n/a	2	2	V				4009
K1364	CEDU1ScientifMod	n/a	2	2	V				4010
K1365	CEDU1Node0TabOff	n/a	2	3	V				
K1366	CEDU1Node1TabOff	n/a	2	3	V				
K1367	CEDU1TabPattMask	n/a	2	3	V				
K1368	CEDU2OperatioMod	n/a	2	2	V				4009
K1369	CEDU2ScientifMod	n/a	2	2	V				4010
K1370	CEDU2Node0TabOff	n/a	2	3	V				
K1371	CEDU2Node1TabOff	n/a	2	3	V				
K1372	CEDU2TabPattMask	n/a	2	3	V				
K1373	CEDU3OperatioMod	n/a	2	2	V				4009
K1374	CEDU3ScientifMod	n/a	2	2	V				4010
K1375	CEDU3Node0TabOff	n/a	2	3	V				
K1376	CEDU3Node1TabOff	n/a	2	3	V				
K1377	CEDU3TabPattMask	n/a	2	3	V				
K1378	CEDU4OperatioMod	n/a	2	2	V				4009
K1379	CEDU4ScientifMod	n/a	2	2	V				4010
K1380	CEDU4Node0TabOff	n/a	2	3	V				
K1381	CEDU4Node1TabOff	n/a	2	3	V				
K1382	CEDU4TabPattMask	n/a	2	3	V				
K1383	CEDU5OperatioMod	n/a	2	2	V				4009
K1384	CEDU5ScientifMod	n/a	2	2	V				4010
K1385	CEDU5Node0TabOff	n/a	2	3	V				
K1386	CEDU5Node1TabOff	n/a	2	3	V				
K1387	CEDU5TabPattMask	n/a	2	3	V				
K1388	CEDU6OperatioMod	n/a	2	2	V				4009
K1389	CEDU6ScientifMod	n/a	2	2	V				4010
K1390	CEDU6Node0TabOff	n/a	2	3	V				
K1391	CEDU6Node1TabOff	n/a	2	3	V				
K1392	CEDU6TabPattMask	n/a	2	3	V				
K1393	CEDU7OperatioMod	n/a	2	2	V				4009
K1394	CEDU7ScientifMod	n/a	2	2	V				4010
K1395	CEDU7Node0TabOff	n/a	2	3	V				
K1396	CEDU7Node1TabOff	n/a	2	3	V				
K1397	CEDU7TabPattMask	n/a	2	3	V				
K1398	C EDU0Node0Thres	n/a	3	12	V				
K1399	C EDU0Node1Thres	n/a	3	12	V				
K1400	C EDU1Node0Thres	n/a	3	12	V				

# EMCS TM PARAMETERS

PREF	NAME	UNIT	PTC	PFC	F/V	DEFAULT	MINIMUM	MAXIMUM	CURVE/ALIAS
K1401	C EDU1Node1Thres	n/a	3	12	V				
K1402	C EDU2Node0Thres	n/a	3	12	V				
K1403	C EDU2Node1Thres	n/a	3	12	V				
K1404	C EDU3Node0Thres	n/a	3	12	V				
K1405	C EDU3Node1Thres	n/a	3	12	V				
K1406	C EDU4Node0Thres	n/a	3	12	V				
K1407	C EDU4Node1Thres	n/a	3	12	V				
K1408	C EDU5Node0Thres	n/a	3	12	V				
K1409	C EDU5Node1Thres	n/a	3	12	V				
K1410	C EDU6Node0Thres	n/a	3	12	V				
K1411	C EDU6Node1Thres	n/a	3	12	V				
K1412	C EDU7Node0Thres	n/a	3	12	V				
K1413	C EDU7Node1Thres	n/a	3	12	V				
K1414	C Selected EDU	n/a	3	0	V				
K1415	C TestImageHighEn	n/a	3	8	V				
K1416	C TestConfigType	n/a	2	1	V				4015
K1417	CTstConfigPatter	n/a	2	3	V				
K1418	C TestImageLowEn	n/a	3	8	V				
K1419	C AnnDriveStatus	n/a	2	1	V				4005
K1420	C FW OpConfMotor	n/a	2	2	V				4007
K1421	C FWOpConfRotDir	n/a	2	1	V				4011
K1422	CFWOpConfRotMode	n/a	2	1	V				4014
K1423	CFWOpConfReqPosS	n/a	3	7	V				
K1424	C Ann.Min. Tem.Set	degC	3	4	V				4024
K1425	C Ann.Max. Tem.Set	degC	3	4	V				4024
K1426	CFWStatusTimeOut	n/a	2	1	V				4026
K1427	C FWStatusPosErr	n/a	2	1	V				4013
K1428	CFWStatusEMReqSt	n/a	3	7	V				
K1429	C Rej DH Cm Cnt	n/a	3	4	V				
K1430	C Last Ac DH Com	n/a	3	4	V				
K1431	C EDU Cm OK Cnt	n/a	3	4	V				
K1432	C EDU Cm Rec Cnt	n/a	3	4	V				
K1433	C EDU Cm Rej Cnt	n/a	3	4	V				
K1434	C EDUTabLoaOKCnt	n/a	3	4	V				
K1435	CEDUTabLoaRecCnt	n/a	3	4	V				
K1436	CEDUTabLoaRejCnt	n/a	3	4	V				
K1437	C FIFOEDUCmRej16	n/a	3	4	V				
K1438	C FIFOEDUCmRej15	n/a	3	4	V				
K1439	C FIFOEDUCmRej14	n/a	3	4	V				
K1440	C FIFOEDUCmRej13	n/a	3	4	V				
K1441	C FIFOEDUCmRej12	n/a	3	4	V				
K1442	C FIFOEDUCmRej11	n/a	3	4	V				
K1443	C FIFOEDUCmRej10	n/a	3	4	V				
K1444	C FIFOEDUCmRej9	n/a	3	4	V				
K1445	C FIFOEDUCmRej8	n/a	3	4	V				
K1446	C FIFOEDUCmRej7	n/a	3	4	V				
K1447	C FIFOEDUCmRej6	n/a	3	4	V				
K1448	C FIFOEDUCmRej5	n/a	3	4	V				
K1449	C FIFOEDUCmRej4	n/a	3	4	V				
K1450	C FIFOEDUCmRej3	n/a	3	4	V				
K1451	C FIFOEDUCmRej2	n/a	3	4	V				
K1452	C FIFOEDUCmRej1	n/a	3	4	V				
K1453	C EMAE Cm OK Cnt	n/a	3	4	V				
K1454	CEMAE Cm Rec Cnt	n/a	3	4	V				
K1455	CEMAE Cm Rej Cnt	n/a	3	4	V				
K1456	CEMAESeqLoaOKCnt	n/a	3	4	V				
K1457	CEMAESeqLdRecCnt	n/a	3	4	V				
K1458	CEMAESeqLdRejCnt	n/a	3	4	V				
K1459	CFIFOEMAECmRej16	n/a	3	4	V				
K1460	CFIFOEMAECmRej15	n/a	3	4	V				
K1461	CFIFOEMAECmRej14	n/a	3	4	V				
K1462	CFIFOEMAECmRej13	n/a	3	4	V				
K1463	CFIFOEMAECmRej12	n/a	3	4	V				
K1464	CFIFOEMAECmRej11	n/a	3	4	V				
K1465	CFIFOEMAECmRej10	n/a	3	4	V				



# EMCS TM PARAMETERS

PREF	NAME	UNIT	PTC	PFC	F/V	DEFAULT	MINIMUM	MAXIMUM	CURVE/ALIAS
K1466	CFIFOEMAECmRej9	n/a	3	4	V				
K1467	CFIFOEMAECmRej8	n/a	3	4	V				
K1468	CFIFOEMAECmRej7	n/a	3	4	V				
K1469	CFIFOEMAECmRej6	n/a	3	4	V				
K1470	CFIFOEMAECmRej5	n/a	3	4	V				
K1471	CFIFOEMAECmRej4	n/a	3	4	V				
K1472	CFIFOEMAECmRej3	n/a	3	4	V				
K1473	CFIFOEMAECmRej2	n/a	3	4	V				
K1474	CFIFOEMAECmRej1	n/a	3	4	V				
K1475	C BootS/Wversion	n/a	3	4	V				
K1476	C RAM SW version	n/a	3	4	V				
K1477	C PW ON Test RAM	n/a	2	1	V				4024
K1478	CPWONTestROMBoot	n/a	2	1	V				4024
K1479	CPWONTestROMProg	n/a	2	1	V				4024
K1480	CPWONTestRAMProg	n/a	2	1	V				4024
K1481	C Group 1 EITF	n/a	2	1	V				4031
K1482	C Operating Mode	n/a	2	4	V				4025
K1483	TC SequenceCount	n/a	3	12	V				
K1484	EMDH Task Ident.	n/a	3	12	V				
K1486	HBR Identifier	n/a	3	12	V				
K1487	HBR7 Bright P.N.	n/a	3	12	V				
K1488	HBR8 Bright P.N.	n/a	3	12	V				
K1489	HBR 1 Active	n/a	2	1	V				4003
K1490	HBR 2 Active	n/a	2	1	V				4003
K1491	HBR 3 Active	n/a	2	1	V				4003
K1492	HBR 4 Active	n/a	2	1	V				4003
K1493	HBR 5 Active	n/a	2	1	V				4003
K1494	HBR 6 Active	n/a	2	1	V				4003
K1495	HBR 7 Active	n/a	2	1	V				4003
K1496	HBR 8 Active	n/a	2	1	V				4003
K1497	HBR 1 Processing	n/a	2	0	V				4018
K1498	HBR 2 Processing	n/a	2	0	V				4018
K1499	HBR 3 Processing	n/a	2	0	V				4018
K1500	HBR 4 Processing	n/a	2	0	V				4018
K1501	HBR 5 Processing	n/a	2	0	V				4018
K1502	HBR 6 Processing	n/a	2	0	V				4018
K1503	HBR 7 Processing	n/a	2	0	V				4018
K1504	HBR 8 Processing	n/a	2	0	V				4018
K1505	HBR1BufferStartA	n/a	3	14	V				
K1506	HBR1BufferEndAdd	n/a	3	14	V				
K1507	HBR2BufferStartA	n/a	3	14	V				
K1508	HBR2BufferEndAdd	n/a	3	14	V				
K1509	HBR3BufferStartA	n/a	3	14	V				
K1510	HBR3BufferEndAdd	n/a	3	14	V				
K1511	HBR4BufferStartA	n/a	3	14	V				
K1512	HBR4BufferEndAdd	n/a	3	14	V				
K1513	HBR5BufferStartA	n/a	3	14	V				
K1514	HBR5BufferEndAdd	n/a	3	14	V				
K1515	HBR6BufferStartA	n/a	3	14	V				
K1516	HBR6BufferEndAdd	n/a	3	14	V				
K1517	HBR7BufferStartA	n/a	3	14	V				
K1518	HBR7BufferEndAdd	n/a	3	14	V				
K1519	HBR8BufferStartA	n/a	3	14	V				
K1520	HBR8BufferEndAdd	n/a	3	14	V				
K1521	HBR1 Bright P.N.	n/a	3	12	V				
K1522	HBR1 Low Thresh	n/a	3	12	V				
K1523	HBR1 Upp Thresh	n/a	3	12	V				
K1524	HBR2 Low Thresh	n/a	3	12	V				
K1525	HBR2 Upp Thresh	n/a	3	12	V				
K1526	HBR3 Low Thresh	n/a	3	12	V				
K1527	HBR3 Upp Thresh	n/a	3	12	V				
K1528	HBR4 Low Thresh	n/a	3	12	V				
K1529	HBR4 Upp Thresh	n/a	3	12	V				
K1530	HBR5 Low Thresh	n/a	3	12	V				
K1531	HBR5 Upp Thresh	n/a	3	12	V				

# EMCS TM PARAMETERS

PREF	NAME	UNIT	PTC	PFC	F/V	DEFAULT	MINIMUM	MAXIMUM	CURVE/ALIAS
K1532	HBR6 Low Thresh	n/a	3	12	V				
K1533	HBR6 Upp Thresh	n/a	3	12	V				
K1534	HBR7 Low Thresh	n/a	3	12	V				
K1535	HBR7 Upp Thresh	n/a	3	12	V				
K1536	HBR8 Low Thresh	n/a	3	12	V				
K1537	HBR8 Upp Thresh	n/a	3	12	V				
K1538	FastPatternThres	n/a	3	12	V				
K1539	DeicinLowTempLim	degC	3	4	V				4024
K1540	DeicinUppTempLim	degC	3	4	V				4024
K1541	DeconLowTempLim	degC	3	4	V				4024
K1542	DeconUppTempLim	degC	3	4	V				4024
K1543	AnnealLowTempLim	degC	3	4	V				4024
K1544	AnnealUppTempLim	degC	3	4	V				4024
K1545	DeicinConfThCont	n/a	2	0	V				4005
K1546	DeicinConfShroud	n/a	2	0	V				4005
K1547	DeicinConfAnneal	n/a	2	0	V				4005
K1548	DecontConfThCont	n/a	2	0	V				4005
K1549	DecontConfShroud	n/a	2	0	V				4005
K1550	DecontConfAnneal	n/a	2	0	V				4005
K1551	AnnealConfThCont	n/a	2	0	V				4005
K1552	AnnealConfShroud	n/a	2	0	V				4005
K1553	AnnealConfAnneal	n/a	2	0	V				4005
K1554	UppMonTempLimits	degC	3	4	V				4027
K1555	LowMonTempLimits	degC	3	4	V				4027
K1556	HBR2 Bright P.N.	n/a	3	12	V				
K1557	HBR3 Bright P.N.	n/a	3	12	V				
K1558	HBR4 Bright P.N.	n/a	3	12	V				
K1559	HBR5 Bright P.N.	n/a	3	12	V				
K1560	HBR6 Bright P.N.	n/a	3	12	V				
K1561	IC Valid Events	n/a	3	12	V				
K1562	ICRejEventsLowTh	n/a	3	12	V				
K1563	ICRejEventsUppTh	n/a	3	12	V				
K1564	ICRejectedFrames	n/a	3	12	V				
K1565	ICountModeStartT	n/a	9	5	V				
K1566	ICountModeStopT	n/a	9	5	V				
K1567	TC Valid Events	n/a	3	12	V				
K1568	TCRejEventsLowTh	n/a	3	12	V				
K1569	TCRejEventsUppTh	n/a	3	12	V				
K1570	TCRejectedFrames	n/a	3	12	V				
K1571	TCountModeStartT	n/a	9	5	V				
K1572	TCountModeStopT	n/a	9	5	V				
K1573	C Cou OBT Res Ti	sec	9	5	V				
K1574	D Cmode Start Ti	sec	9	5	V				
K1575	D Cmode Stop Tim	sec	9	5	V				
K1586	AAnCh1/2DataBySe	n/a	2	1	V				4030
K1587	AAnCh3/4DataBySe	n/a	2	1	V				4030
K1588	AAnCh5/6DataBySe	n/a	2	1	V				4030
K1589	AAnCh7/8DataBySe	n/a	2	1	V				4030
K1590	A SeqFW DataBySe	n/a	2	1	V				4030
K1592	C AnCh3/4 SeqRam	n/a	2	1	V				4020
K1593	CAnCh3/4InbCtrlC	n/a	2	1	V				4005
K1594	CAnCh3/4InbCtrlB	n/a	2	1	V				4005
K1595	CAnCh3/4InbCtrlA	n/a	2	1	V				4005
K1596	CAnCh3/4IntSimul	n/a	2	3	V				4021
K1599	C AnCh1/2 SeqRam	n/a	2	1	V				4020
K1600	CAnCh1/2InbCtrlC	n/a	2	1	V				4005
K1601	CAnCh1/2InbCtrlB	n/a	2	1	V				4005
K1602	CAnCh1/2InbCtrlA	n/a	2	1	V				4005
K1603	CAnCh1/2IntSimul	n/a	2	3	V				4021
K1606	C AnCh7/8 SeqRam	n/a	2	1	V				4020
K1607	CAnCh7/8InbCtrlC	n/a	2	1	V				4005
K1608	CAnCh7/8InbCtrlB	n/a	2	1	V				4005
K1609	CAnCh7/8InbCtrlA	n/a	2	1	V				4005
K1610	CAnCh7/8IntSimul	n/a	2	3	V				4021
K1613	C AnCh5/6 SeqRam	n/a	2	1	V				4020

# EMCS TM PARAMETERS

PREF	NAME	UNIT	PTC	PFC	F/V	DEFAULT	MINIMUM	MAXIMUM	CURVE/ALIAS
K1614	CAnCh5/6InbCtrlC	n/a	2	1	V				4005
K1615	CAnCh5/6InbCtrlB	n/a	2	1	V				4005
K1616	CAnCh5/6InbCtrlA	n/a	2	1	V				4005
K1617	CAnCh5/6IntSimul	n/a	2	3	V				4021
K1624	CFWExAbsPosition	n/a	2	3	V				4012
K1625	CFWExpRedStopSen	n/a	2	1	V				4013
K1626	C Group 2 EITF	n/a	2	1	V				4031
K1627	C Group 3 EITF	n/a	2	1	V				4031
K1628	C Group 4 EITF	n/a	2	1	V				4031
K1633	FirstLBRfailure	n/a	2	0	V				4033
K1634	SecondLBRfailure	n/a	2	0	V				4033
K1635	ThirdLBRfailure	n/a	2	0	V				4033
K1636	FourthLBRfailure	n/a	2	0	V				4033
K1637	LBRProtocolError	n/a	2	8	V				4038
K1638	Refusal Reason	n/a	2	0	V				4039
K1639	LoadInitprocIdle	n/a	2	0	V				4040
K1640	UnloadInitprIdle	n/a	2	0	V				4040
K1641	LoadExitPrimeFas	n/a	2	0	V				4040
K1642	UnloadExPrimeFas	n/a	2	0	V				4040
K1643	UnloadPrimeFasPr	n/a	2	0	V				4040
K1644	UnloadUpdateHKpr	n/a	2	0	V				4040
K1645	Cmd Stop OBS	n/a	2	0	V				4040
K1646	LoadExitDiagProc	n/a	2	0	V				4040
K1647	UnloadExitDiagPr	n/a	2	0	V				4040
K1648	UnloadDiagProc	n/a	2	0	V				4040
K1649	LoadExitOVproces	n/a	2	0	V				4040
K1650	UnloadExitOVproc	n/a	2	0	V				4040
K1651	Unload OV proces	n/a	2	0	V				4040
K1652	LoadExitExtrhPro	n/a	2	0	V				4040
K1653	UnloadExitExtrah	n/a	2	0	V				4040
K1654	CmdSetEMCRTemCt	n/a	2	0	V				4041
K1655	CmdSetEMAEctrlOn	n/a	2	0	V				4040
K1656	LoadExitIfftProc	n/a	2	0	V				4040
K1657	UnloadExitIfftPro	n/a	2	0	V				4040
K1658	IFT Submode	n/a	2	0	V				4042
K1659	LoadInitProcSafe	n/a	2	0	V				4040
K1660	UnloadInitPrSafe	n/a	2	0	V				4040
K1661	CmdSetFPmainCtrl	n/a	2	0	V				4040
K1662	FWpositionClosed	n/a	2	0	V				4045
K1663	UnlockSafeEmerge	n/a	2	0	V				4040
K1664	LockSafeEmergenc	n/a	2	0	V				4040
K1665	OutcomingSWmode	n/a	3	12	V				1000
K1666	EMDHSWinSafeMode	n/a	2	0	V				4043
K1667	Transition Abort	n/a	2	0	V				4041
K1668	UnloadScientProc	n/a	2	0	V				4040
K1669	UnloadUpdateHKpr	n/a	2	0	V				4040
K1670	LoadInitprPriFas	n/a	2	0	V				4040
K1671	UnloadInitPriFas	n/a	2	0	V				4040
K1672	LoadPrimeFastPro	n/a	2	0	V				4040
K1673	LoadUpdateHKcoun	n/a	2	0	V				4040
K1674	Cmd Start OBS	n/a	2	0	V				4040
K1675	LoadDiagProcess	n/a	2	0	V				4040
K1676	ExpectedPixelNum	n/a	2	0	V				4040
K1677	HBR Config Error	n/a	2	0	V				4040
K1678	ReturnToIdleErro	n/a	2	0	V				4043
K1679	LoadInitDiagProc	n/a	2	0	V				4040
K1680	UnloadIniDiagPro	n/a	2	0	V				4040
K1681	LoadOffVVarProces	n/a	2	0	V				4040
K1682	LoadInitprocOfVa	n/a	2	0	V				4040
K1683	UnloadInitprocOV	n/a	2	0	V				4040
K1684	Door Open Status	n/a	2	0	V				4044
K1685	CCDs in off	n/a	2	0	V				4044
K1686	FPTempBelowSafTh	n/a	2	0	V				4043
K1687	CmdEMAE Ctrl Off	n/a	2	0	V				4041
K1688	CmdStartEMCRtemp	n/a	2	0	V				4041

# EMCS TM PARAMETERS

EPIC-EST-TN-008 I.2

Appendix B

PREF	NAME	UNIT	PTC	PFC	F/V	DEFAULT	MINIMUM	MAXIMUM	CURVE/ALIAS
K1689	FW position Open	n/a	2	0	V				4046
K1690	LoadInitprExtrah	n/a	2	0	V				4040
K1691	UnloadInitprExtr	n/a	2	0	V				4040
K1692	LoadInitprocIFT	n/a	2	0	V				4040
K1693	UnloadInitprIFT	n/a	2	0	V				4040
K1694	MasInReEDACcheck	n/a	2	1	V				4040
K1695	MasterInitRepBIT	n/a	2	1	V				4040
K1696	MasInRepSPROMCRC	n/a	3	12	V				1000
K1697	MasIniRepPROCrc	n/a	3	12	V				1000
K1698	MasIniRepRAMrslt	n/a	2	0	V				4040
K1699	MasInReFaultPGnm	n/a	3	12	V				1000
K1700	MasInReFaultPGof	n/a	3	12	V				1000
K1701	MasInitRepRAMcrc	n/a	3	12	V				1000
K1702	SciInReEDACcheck	n/a	2	1	V				4040
K1703	SciInitReportBIT	n/a	2	1	V				4040
K1704	SciInitRepSPROM	n/a	3	12	V				4040
K1705	SciInitRepRAMcrc	n/a	3	12	V				1000
K1706	LoadResidPerProc	n/a	2	0	V				4040
K1707	ThermControlFlag	n/a	2	0	V				4040
K1708	UnloadInitprlssb	n/a	2	0	V				4040
K1709	AutomTransReason	n/a	2	0	V				4047
K1710	EMCR HK DataFlag	n/a	2	0	V				4040
K1711	SwitchIdentifier	n/a	2	0	V				4048
K1712	AnnealSwitchStat	n/a	2	8	V				4027
K1713	SecondShroudStat	n/a	2	8	V				4027