



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

4000 Extraheating Mode Selection

Raw Value	Alias String
0	Deicing
1	Decontamina.
2	Annealing

4001 In-Flight Test Selection Mode

Raw Value	Alias String
0	EMCS
1	EMDH

4002 Selected / Not Selected

Raw Value	Alias String
0	Not Selected
1	Selected

4003 Active / Not Active

Raw Value	Alias String
0	Not Active
1	Active

4005 ON / OFF

Raw Value	Alias String
0	OFF
1	ON

4006 FW Power Coil Selection

Raw Value	Alias String
1	Nominal ON
2	Redundant ON
3	Both ON

4007 FW Turn, Synch. Coil Selection

Raw Value	Alias String
0	Both ON
1	Nominal ON
2	Redundant ON

4008 EDU Zone

Raw Value	Alias String
0	Normal Area
1	Alternate A.

4009 EDU Operating Mode

Raw Value	Alias String
0	Stop
1	Run
2	Alternate

4010 EDU Science Mode

Raw Value	Alias String
0	Transparent

EMCS ALIAS DEFINITIONS

EPIC-EST-TN-008 I.2

Appendix I

- 1 Timing
- 2 Threshold
- 3 Image

4011 Filter Wheel Rotation Direction

Raw Value	Alias String
0	Forward
1	Backward

4012 Filter Wheel Absolute Position

Raw Value	Alias String
0	Open
1	Filter D
2	Filter C
3	Filter B
4	Filter A
5	Closed
6	IllegalValue
7	Not Valid CS

4013 Filter Wheel Stop Sensor

Raw Value	Alias String
0	In Position
1	Out Position

4014 Filter Wheel Running Mode

Raw Value	Alias String
0	Normal
1	Step

4015 Test Image

Raw Value	Alias String
0	Loaded Image
1	Built Image

4016 EMCS Operating Mode

Raw Value	Alias String
0	Safe StandBy
1	Idle
2	Prime
3	Fast
4	Offset
5	CCD Diagnos.
6	Extraheating
16	InFlightTest

4017 EMCS Status Mode

Raw Value	Alias String
0	Valid Mode
1	EnteringMode
2	Leaving Mode
255	NotValidMode

4018 HBR Processing Configuration

Raw Value	Alias String
-----------	--------------

0	Disabled
1	Imag. Proc.
2	Imag.N.Proc.
3	Imag.R.Proc.
4	Imag.R.N.Pr.
5	EDU Thresh.
6	Tim. Proces.
7	Tim.N.Proce.
8	Tim.C.Proce.
9	Tim.C.N.Pro.
10	Transparent

4019 HOP Switches Arming Status

Raw Value	Alias String
0	Not Armed
1	Armed

4020 Sequencer RAM Load/Run

Raw Value	Alias String
0	Load
1	Run

4021 Internal Simulator Selection

Raw Value	Alias String
0	ChainNorNod0
1	ChainNorNod1
2	Chain/10Nod0
3	Chain/10Nod1
4	SimulatorMax
5	Simulator_/2
6	Simulator_/4
7	Simulator_/8

4024 Test Result

Raw Value	Alias String
0	Failed
1	Passed

4025 EMCR Operating Mode

Raw Value	Alias String
0	Initializat.
1	Stand-By
2	Observation
3	Test
4	Annealing

4026 Timeout Error

Raw Value	Alias String
0	NoTimeoutErr
1	TimeoutError

4027 Open/Closed Status

Raw Value	Alias String
0	Open
1	Closed

4029 Door Rotate Bellows Status

Raw Value	Alias String
0	Retracted
1	NotRetracted

4030 Low/High alias

Raw Value	Alias String
0	Low
1	High

4031 Occurrence Flag

Raw Value	Alias String
0	Not Occured
1	Occured

4032 Valid / Not Valid Flag

Raw Value	Alias String
0	Valid
1	Not Valid

4033 LBR failure's reason

Raw Value	Alias String
17	WrongChecks.
34	OVflowLCIeng
51	Time-outErr.
68	LC running
250	busyLBR

4034 EMCR H/K refresh status

Raw Value	Alias String
0	New EMCR H/K
65535	Old EMCR H/K

4035 Shroud Heater Power ON/OFF

Raw Value	Alias String
0	Off
65535	On

4036 CCD mode

Raw Value	Alias String
0	Imaging
1	ImagingWindo
2	Timing

4037 LBR I/F status

Raw Value	Alias String
0	I/F OK
65280	I/F busy

4038 LBR protocol error

Raw Value	Alias String
51	4FailedAttem

EMCS ALIAS DEFINITIONS

EPIC-EST-TN-008 I.2

Appendix I

68	LCBootPrgDis
85	LC CTRRAMDis
102	IllegLC code
119	LCcurrCTRdis
136	LCparaOutRan
153	LCexecFailed
170	OtherLC/Leng
250	NoEMCRrespon
251	Other Errors

4039 Refusal reason

Raw Value	Alias String
1	AutTransRun
2	NotAllowTra

4040 OK / Not OK

Raw Value	Alias String
0	OK
1	Not OK

4041 OK / not OK / not required

Raw Value	Alias String
0	OK
1	Not OK
2	Not required

4042 In-Flight Test Submode

Raw Value	Alias String
1	ift_emdh
2	ift_emcs

4043 False / True

Raw Value	Alias String
0	False
1	True

4044 True / False

Raw Value	Alias String
0	True
1	False

4045 Filter Wheel in Closed position

Raw Value	Alias String
0	Closed
1	NotClosed/Un

4046 Filter Wheel in Open position

Raw Value	Alias String
0	Open
1	NotOpen/Un

4047 Automatic Transition's Reason

Raw Value	Alias String
1	OBDH loss

EMCS ALIAS DEFINITIONS

- 2 ErrDiagnProc
- 3 EndDiagnProc
- 4 ErrorO/Vproc
- 5 End O/V Proc

4048

EMDH Switch Identifier

Raw Value	Alias String
2560	Door
2816	VentingValve
3072	Annealing
3328	SecondShroud
3584	FW Coil 1
3840	FW Coil 2