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Cluster2 FGM

User's Manual Appendix G

Housekeeping Parameters

Revisions

Issue	Rev.	Date	Sec.	Page	Change
Issue 2	0	13/5/99			New issue for Cluster2. No changes to content.
Issue 3	0	5/7/00			Column added indicating paramater validity in FGMEXT

FGM input to AIT database - Housekeeping parameters

Information taken file PARAM_2.XLS

Parameters not valid in FGMEXT are zero.

Name	Type	Description	Loc.	Mask	Loc.	Mask	Status Text	Telecommand				Cal Curve	Valid in FGMEXT
EF3ADC01	D	ADC 1 POWER	0x0D	0x40			EFXONOFF	ZEF1AD1F	ZEF1AD1N				No
EF3ADC02	D	ADC 2 POWER	0x0D	0x80			EFXONOFF	ZEF1AD2F	ZEF1AD2N				No
EF3ADCFB	D	ADC FAIL BUS ACK	0x00	0x02			EFXTRFLS						No
EF3ADCFR	D	ADC FAIL RESET	0x00	0x08			EFXTRFLS						No
EF3ADCFT	D	ADC FAIL TIMEOUT	0x00	0x04			EFXTRFLS						No
EF3AUTST	D	AUTO STARTUP INIT	0x0A	0x10			EFXTRFLS	ZEF2ATTS	ZEF2ATCS	ZEF2MNTS	ZEF2MNCS		No
EF3BDDAT	D	BAD DATA WARNING	0x01	0x01			EFXTRFLS						No
EF3BUSBT	D	BOOT BUS	0x0B	0x80			EFXPRSEC						No
EF3CALMD	R	CAL SEQUENCE #	0x0F	0xC0				ZEF2CLBS					No
EF3CDPAT	D	CODE PATCH	0x0F	0x10			EFXONOFF	ZEF2PATS					No
EF3CONFG	D	CONFIG TC	0x0E	0xF0				ZEF2CALC	ZEF2CAMS	ZEF2CIMS	ZEF2CILS		No
EF3DP1RS	D	DPU1 RESET	0x0D	0x01			EFXONOFF						No
EF3DP2RS	D	DPU2 RESET	0x0D	0x02			EFXONOFF						No
EF3DPTMD	R	TEST SEQUENCE #	0x0E	0x0E				ZEF2TSTS					No
EF3DPU01	D	DPU 1 POWER	0x0D	0x04			EFXONOFF	ZEF1DP1F	ZEF1DP1N				No
EF3DPU02	D	DPU 2 POWER	0x0D	0x08			EFXONOFF	ZEF1DP2F	ZEF1DP2N				No
EF3DPUFL	D	DPU FAULT	0x01	0x20			EFXTRFLS						No
EF3DPUID	D	DPU IDENTITY	0x07	0x0F			EFXDPUID						Yes
EF3EVENT	D	EVENT REC ENABLE	0x0B	0x40			EFXENABL	ZEF2ENTN					No
EF3FILTR	D	FILTERING ENABLE	0x0A	0x08			EFXENABL	ZEF2FILN					No

AIT database housekeeping parameters, continued

Name	Type	Description	Loc.	Mask	Loc.	Mask	Status Text	Telecommand				Cal Curve	Valid in FGMEXT
EF3I1IEL	D	INT 1 IEL SPEED	0x0B	0x20			EFXSPEED	ZEF2I1FN					No
EF3I2IEL	D	INT 2 IEL SPEED	0x0B	0x10			EFXSPEED	ZEF2I2FN					No
EF3IBSNR	D	IB ENABLE	0x0C	0x10			EFXENABL	ZEF1IBSD	ZEF1IBSE				No
EF3ICALN	D	INBOARD CAL	0x0B	0x04			EFXONOFF						No
EF3IELEN	D	IEL ENABLE	0x0C	0x08			EFXENABL	ZEF1IELD	ZEF1IELE				No
EF3IELFL	D	IEL FAIL STACK	0x01	0x10			EFXTRFLS						No
EF3IFLPN	D	INBOARD FLIP	0x0B	0x01			EFXONOFF						No
EF3INT00	D	INTERFACE POWER	0x0D	0x10			EFXONOFF	ZEF1INTF	ZEF1INTN				No
EF3INT01	D	INTERFACE 1 POWER	0x0C	0x80			EFXONOFF						No
EF3INT02	D	INTERFACE 2 POWER	0x0C	0x40			EFXONOFF						No
EF3INTFL	D	INTERFACE FAIL	0x00	0x40			EFXTRFLS						No
EF3KEYHO	R	KEYHOLE	0x1A	0xFF	0x1B	0xFF							No
EF3MDUMP	D	MEMORY DUMP	0x0F	0x20			EFXONOFF	ZEF2DMPS					No
EF3MN12V	A	MINUS 12 VOLTS	0x03	0x3F	0x04	0xF0						EFCM12VT	Yes
EF3MSA00	D	MSA POWER	0x0D	0x20			EFXONOFF	ZEF1MSAF	ZEF1MSAN				No
EF3MSAFL	D	MSA FAULT	0x00	0x10			EFXTRFLS						No
EF3MSAFN	D	MSA_FILTER	0x0E	0x01			EFXENBL	ZEF2MFLN					No
EF3NORES	D	ERROR, NO RESET	0x01	0x80			EFXTRFLS						No
EF3NOSTP	D	ERROR, NO STARTUP	0x00	0x01			EFXTRFLS						No
EF3OBSNR	D	OB ENABLE	0x0C	0x20			EFXENABL	ZEF1OBSD	ZEF1OBSE				No

AIT database housekeeping parameters, continued

Name	Type	Description	Loc.	Mask	Loc.	Mask	Status Text	Telecommand				Cal Curve	Valid in FGMEXT
EF3OCALN	D	OUTBOARD CAL	0x0B	0x08			EFXONOFF						No
EF3OFLPN	D	OUTBOARD FLIP	0x0B	0x02			EFXONOFF						No
EF3PARNE	D	PRI AUTORANGE	0x0A	0x04			EFXENBL						No
EF3PATFL	D	CODE PATCH FAIL	0x01	0x40			EFXTRFLS						No
EF3PBREC	R	PARAM BYTES COUNT	0x10	0x7F									No
EF3PBUPD	D	PARAM BASE UPDATE	0x10	0x80			EFXTRFLS	ZEF2PBYS					No
EF3PL05V	A	PLUS 5 VOLTS	0x06	0xFF	0x07	0xC0						EFCP05VT	Yes
EF3PL12V	A	PLUS 12 VOLTS	0x02	0xFF	0x03	0xC0						EFCP12VT	Yes
EF3PRIMR	R	PRIMARY RANGE	0x15	0x07									No
EF3PRIMS	D	PRIMARY RANGE DI	0x15	0x07			EFXRANGE	ZEF2PRNS					No
EF3PRIMX	A	PRIMARY SENSOR X	0x12	0xFF								EFCNANOT	No
EF3PRIMY	A	PRIMARY SENSOR Y	0x13	0xFF								EFCNANOT	No
EF3PRIMZ	A	PRIMARY SENSOR Z	0x14	0xFF								EFCNANOT	No
EF3PRISR	D	PRIMARY OB/IB	0x0A	0x80			EFXSENSR	ZEF2POBS					No
EF3PTEMP	A	PSU TEMPERATURE	0x04	0x0F	0x05	0xFC						EFCPTEMP	Yes
EF3RAMFL	D	RAM CHECK FAIL	0x00	0x20			EFXTRFLS						No
EF3RESEN	D	DPU RESET ENABLE	0x0C	0x02			EFXENABL	ZEF1RESN	ZEF1RESE				No
EF3RESET	R	COUNT OF RESETS	0x08	0xFF	0x09	0xFF							Yes
EF3SARNE	D	SEC AUTORANGE	0x0A	0x01			EFXENBL						No
EF3SECOR	R	SECONDARY RANGE	0x19	0x07									No

AIT database housekeeping parameters, continued

Name	Type	Description	Loc.	Mask	Loc.	Mask	Status Text	Telecommand			Cal Curve	Valid in FGMEXT
EF3SECOS	D	SECONDARY RANGE D	0x19	0x07			EFXRANGE	ZEF2SRNS				No
EF3SECOX	A	SECONDARY SENS X	0x16	0xFF								No
EF3SECOY	A	SECONDARY SENS Y	0x17	0xFF								No
EF3SECOZ	A	SECONDARY SENS Z	0x18	0xFF								No
EF3SECSR	D	SECONDARY OB/IB	0x0A	0x40			EFXSENSR	ZEF2SOBS				No
EF3SEUAD	R	SEU ADDRESS	0x1C	0x01	0x1D	0xFF						No
EF3SEUCT	R	SEU COUNT	0x1C	0xFE								No
EF3SEUEN	D	SEU STATUS	0x0A	0x20			EFXENBL	ZEF2SEUN				No
EF3SUMFL	D	SUMCHECK FAIL	0x01	0x08			EFXTRFLS					No
EF3SYN60	D	SYNC 60 ENABLE	0x0C	0x04			EFXENBL					No
EF3TCREC	D	ML2 TC RECEIVED	0x11	0xFF								No
EF3TMOPT	R	TM OPTION	0x0F	0x0F				ZEF2TMMS				No
EF3TRIGG	D	EVENT TRIGGERED	0x0A	0x02			EFXTRFLS					No
												No
EF3DPRIX	A	TRI-AXIAL SENSOR X	'EF3PRIMX' * 4 ** ('EF3PRIMR' +1)									No
EF3DPRIY	A	TRI-AXIAL SENSOR Y	'EF3PRIMY' * 4 ** ('EF3PRIMR' +1)									No
EF3DPRIZ	A	TRI-AXIAL SENSOR Z	'EF3PRIMZ' * 4 ** ('EF3PRIMR' +1)									No
EF3DSECX	A	TRI-AXIAL SENSOR X	'EF3SECOX' * 4 ** ('EF3SECOR' +1)									No
EF3DSECY	A	TRI-AXIAL SENSOR Y	'EF3SECOY' * 4 ** ('EF3SECOR' +1)									No
EF3DSECZ	A	TRI-AXIAL SENSOR Z	'EF3SECOZ' * 4 ** ('EF3SECOR' +1)									No