MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K1	*Enter SSB Mode*	*5*	*5*	*N/A*	*N/A*	*N/A*	*0*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3955*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*5*

Offset Word 4: *00//*

Bit	Width	Name	F/V	Value
0	8	MODE	F	*0*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
9	0	8	FIX		F	n/a	0							

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K10	*Exit BSW Mode*	*5*	*2*	*252*	*N/A*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3952*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*2*

Offset Word 4: *FC00*

Bit	Width	Name	F/V	Value
0	8	TID	F	*252*
8	8	Spare	F	*0*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K100	*PreAmp PW On/Off*	*5*	*3*	*253*	*9*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FD09*

Bit	Width	Name	F/V	Value
0	8	TID	F	*253*
8	8	FID	F	*9*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	25							
12	0	16	FIX		F	n/a	5							
14	0	8	FIX		F	n/a	59							
15	0	1	K200	Preamp. 1 On/Off	V	n/a				K1145	40001	225	0	
RAW	**MEANING**													
0	OFF													
1	ON													
15	1	1	K201	Preamp. 2 On/Off	V	n/a				K1146	40001	225	1	
RAW	**MEANING**													
0	OFF													
1	ON													
15	2	1	K202	Preamp. 3 On/Off	V	n/a				K1147	40001	225	2	
RAW	**MEANING**													
0	OFF													
1	ON													
15	3	1	K203	Preamp. 4 On/Off	V	n/a				K1148	40001	225	3	
RAW	**MEANING**													
0	OFF													
1	ON													
15	4	1	K204	Preamp. 5 On/Off	V	n/a				K1149	40001	225	4	
RAW	**MEANING**													
0	OFF													
1	ON													
15	5	1	K205	Preamp. 6 On/Off	V	n/a				K1150	40001	225	5	
RAW	**MEANING**													

0 OFF
1 ON

15	6	1	K206	Preamp. 7 On/Off	V	n/a		K1151	40001	225	6

RAW MEANING
0 OFF
1 ON

15	7	1	K207	Preamp. 8 On/Off	V	n/a		K1152	40001	225	7

RAW MEANING
0 OFF
1 ON

16	0	8	FIX		F	n/a	60
17	0	1	FIX		F	n/a	0
17	1	1	FIX		F	n/a	0

17	2	1	K213	Preamp.14 On/Off	V	n/a		K1139	40001	224	2

RAW MEANING
0 OFF
1 ON

17	3	1	K212	Preamp.13 On/Off	V	n/a		K1140	40001	224	3

RAW MEANING
0 OFF
1 ON

17	4	1	K211	Preamp.12 On/Off	V	n/a		K1141	40001	224	4

RAW MEANING
0 OFF
1 ON

17	5	1	K210	Preamp.11 On/Off	V	n/a		K1142	40001	224	5

RAW MEANING
0 OFF
1 ON

17	6	1	K209	Preamp.10 On/Off	V	n/a		K1143	40001	224	6

RAW MEANING
0 OFF
1 ON

17	7	1	K208	Preamp. 9 On/Off	V	n/a		K1144	40001	224	7

RAW MEANING
0 OFF
1 ON

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K101	*AnCha PW On/Off*	*5*	*3*	*253*	*10*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FD0A***

Bit	Width	Name	F/V	Value
0	8	TID	F	*253*
8	8	FID	F	*10*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	25								
12	0	16	FIX		F	n/a	4								
14	0	8	FIX		F	n/a	58								
15	0	1	K221	AnChain8PWOn/Of	V	n/a				K1130	40001	222	0		
RAW	**MEANING**														
0	OFF														
1	ON														
15	1	1	K220	AnChain7PWOn/Of	V	n/a				K1131	40001	222	1		
RAW	**MEANING**														
0	OFF														
1	ON														
15	2	1	K219	AnChain6PWOn/Of	V	n/a				K1132	40001	222	2		
RAW	**MEANING**														
0	OFF														
1	ON														
15	3	1	K218	AnChain5PWOn/Of	V	n/a				K1133	40001	222	3		
RAW	**MEANING**														
0	OFF														
1	ON														
15	4	1	K217	AnChain4PWOn/Of	V	n/a				K1134	40001	222	4		
RAW	**MEANING**														
0	OFF														
1	ON														
15	5	1	K216	AnChain3PWOn/Of	V	n/a				K1135	40001	222	5		
RAW	**MEANING**														

0		OFF									
1		ON									
15	6	1	K215	AnChain2PWOn/Of	V	n/a		K1136	40001	222	6
RAW	**MEANING**										
0		OFF									
1		ON									
15	7	1	K214	AnChain1PWOn/Of	V	n/a		K1137	40001	222	7
RAW	**MEANING**										
0		OFF									
1		ON									

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K102	*Sensors On/Off*	*5*	*3*	*253*	*11*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FD0B*

Bit	Width	Name	F/V	Value
0	8	TID	F	*253*
8	8	FID	F	*11*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	25							
12	0	16	FIX		F	n/a	4							
14	0	8	FIX		F	n/a	61							
15	0	4	FIX		F	n/a	0							
15	4	1	K128	AnnHeaterRelaySt	V	n/a				K1161	40001	227	4	
RAW	**MEANING**													
0	OFF													
1	ON													
15	5	1	K129	VacuumSensorStat	V	n/a				K1162	40001	227	5	
RAW	**MEANING**													
0	OFF													
1	ON													
15	6	1	K130	RedThermContrSt	V	n/a				K1163	40001	227	6	
RAW	**MEANING**													
0	OFF													
1	ON													
15	7	1	K131	NomThermContrSt	V	n/a				K1164	40001	227	7	
RAW	**MEANING**													
0	OFF													
1	ON													

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K103	*Load HBR4 BPT*	*5*	*3*	*255*	*134*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FF86*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*134*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0							
11	0	8	K167	HBR4 Bright P.N.	V	n/a				K1558	40043	16	0	
CURVE														
210	0	16	FIX		F	n/a	0							

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K104	*Load HBR5 BPT*	*5*	*3*	*255*	*135*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FF87*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*135*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0							
11	0	8	K168	HBR5 Bright P.N.	V	n/a				K1559	40044	16	0	
CURVE														
210	0	16	FIX		F	n/a	0							

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K105	*Load HBR6 BPT*	*5*	*3*	*255*	*136*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FF88*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*136*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0							
11	0	8	K169	HBR6 Bright P.N.	V	n/a				K1560	40045	16	0	
CURVE														
210	0	16	FIX		F	n/a	0							

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K106	*Load HBR7 BPT*	*5*	*3*	*255*	*137*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FF89*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*137*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0							
11	0	8	K170	HBR7 Bright P.N.	V	n/a				K1487	40017	16	0	
CURVE														
210	0	16	FIX		F	n/a	0							

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K107	*Load HBR8 BPT*	*5*	*3*	*255*	*138*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FF8A*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*138*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0							
11	0	8	K171	HBR8 Bright P.N.	V	n/a				K1488	40018	16	0	
CURVE														
210	0	16	FIX		F	n/a	0							

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K108	*Report HBR2 BPT*	*5*	*4*	*255*	*132*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3954*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*4*

Offset Word 4: *FF84*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*132*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K109	*Report HBR3 BPT*	*5*	*4*	*255*	*133*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3954*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*4*

Offset Word 4: *FF85*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*133*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K11	*LOAD EMDH MEMORY*	*6*	*1*	*N/A*	*N/A*	*0*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	*X*

Offset Word 3: *3961*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*6*
12	4	Packet Subtype	F	*1*

Offset Word 4: *0000*

Bit	Width	Name	F/V	Value
0	16	MID	F	*0*

Offset Word 5: *variable*

Bit	Width	Name	F/V	Value
0	32	Start Address	V	*X*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K110	*Report HBR4 BPT*	*5*	*4*	*255*	*134*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3954*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*4*

Offset Word 4: *FF86*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*134*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K111	*Report HBR5 BPT*	*5*	*4*	*255*	*135*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3954*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*4*

Offset Word 4: *FF87*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*135*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K112	*Report HBR6 BPT*	*5*	*4*	*255*	*136*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3954*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*4*

Offset Word 4: *FF88*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*136*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K113	*Report HBR7 BPT*	*5*	*4*	*255*	*137*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3954*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*4*

Offset Word 4: *FF89*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*137*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K114	*Report HBR8 BPT*	*5*	*4*	*255*	*138*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3954*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*4*

Offset Word 4: *FF8A*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*138*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K115	*Ap./Rem. PW S.H.*	*5*	*3*	*255*	*145*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FF91*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*145*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	16	K138	Shroud Heater PW	V	n/a				K1021	40001	36	7	

RAW	MEANING
0	Off
65535	On

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K116	*Dload EMCR M PMT*	*5*	*3*	*254*	*6*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FE06***

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*6*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	6							
12	0	16	FIX		F	n/a	4							
14	0	8	FIX		F	n/a	0							
15	0	8	K107	PMT Identifier	V	n/a								

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K117	*Dload EMCR M OST*	*5*	*3*	*254*	*7*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FE07***

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*7*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	7							
12	0	16	FIX		F	n/a	4							
14	0	8	FIX		F	n/a	0							
15	0	8	K108	OST Identifier	V	n/a								

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K118	*Dload EMCR M Seq*	*5*	*3*	*254*	*8*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FE08***

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*8*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	8							
12	0	16	FIX		F	n/a	4							
14	0	8	FIX		F	n/a	0							
15	0	8	K109	Seq. Pro. Ident.	V	n/a								

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K119	*Dload EMCR M TI*	*5*	*3*	*254*	*9*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FE09*

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*9*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	9							
12	0	16	FIX		F	n/a	3							

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K12	*Load HBR2 BPT*	*5*	*3*	*255*	*132*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FF84*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*132*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0							
11	0	8	K165	HBR2 Bright P.N.	V	n/a				K1556	40041	16	0	
CURVE														
210	0	16	FIX		F	n/a	0							

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K120	*Reboot EMCR RAMP*	*5*	*3*	*254*	*16*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FE10*

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*16*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	16							
12	0	16	FIX		F	n/a	3							

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K121	*Load EMCR EDU WP*	*5*	*3*	*254*	*40*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FE28*

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*40*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	40							
12	0	16	FIX		F	n/a	8							
14	0	8	FIX		F	n/a	0							
15	0	8	K104	EDU Identifier	V	n/a								
CURVE														
16	0	16	K139	Window X0	V	n/a				K1321	40001	370	4	
CURVE														
18	0	16	K140	Window Y0	V	n/a				K1323	40001	372	4	
CURVE														
20	0	16	K141	Window X size	V	n/a				K1325	40001	374	4	
CURVE														
22	0	16	K142	Window Y size	V	n/a				K1327	40001	376	4	
CURVE														

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K122	*Start EMCR Obse.*	*5*	*3*	*254*	*33*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FE21***

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*33*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	33							
12	0	16	FIX		F	n/a	3							

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K123	*Stop EMCR Obser.*	*5*	*3*	*254*	*34*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FE22*

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*34*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	34							
12	0	16	FIX		F	n/a	3							

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K124	*EMCRStartTestIm.*	*5*	*3*	*254*	*36*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FE24***

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*36*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	36							
12	0	16	FIX		F	n/a	6							
14	0	8	K104	EDU Identifier	V	n/a				K1414	40001	456	0	
CURVE														
15	0	8	K143	Test Image	V	n/a				K1416	40001	458	0	
RAW	**MEANING**													
0	Loaded Image													
1	Built Image													
16	0	16	K144	TI High Energy	V	n/a				K1415	40001	456	4	
CURVE														
18	0	16	K145	TI Low Energy	V	n/a				K1418	40001	458	4	
CURVE														

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K125	*EMCRStopTestIma.*	*5*	*3*	*254*	*35*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FE23***

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*35*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	35							
12	0	16	FIX		F	n/a	3							

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K13	*Load HBR3 BPT*	*5*	*3*	*255*	*133*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FF85*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*133*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0							
11	0	8	K166	HBR3 Bright P.N.	V	n/a				K1557	40042	16	0	
CURVE														
210	0	16	FIX		F	n/a	0							

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K14	*Start Per. Task*	*5*	*3*	*0*	*3*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *0003*

Bit	Width	Name	F/V	Value
0	8	TID	F	*0*
8	8	FID	F	*3*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	16	K13	Process Identif.	V	n/a								

RAW MEANING

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K15	*Start Spor. Task*	*5*	*3*	*1*	*3*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *0103*

Bit	Width	Name	F/V	Value
0	8	TID	F	*1*
8	8	FID	F	*3*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	16	K13	Process Identif.	V	n/a								

RAW MEANING

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K16	*Stop Per. Task*	*5*	*3*	*0*	*4*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *0004*

Bit	Width	Name	F/V	Value
0	8	TID	F	*0*
8	8	FID	F	*4*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	16	K13	Process Identif.	V	n/a								

RAW MEANING

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K17	*Suspend Task*	*5*	*5*	*N/A*	*N/A*	*N/A*	*32*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3955*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*5*

Offset Word 4: *20//*

Bit	Width	Name	F/V	Value
0	8	MODE	F	*32*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
9	0	8	FIX		F	n/a		0						
10	0	16	K13	Process Identif.	V	n/a								
RAW	**MEANING**													
12	0	16	K14	Locking Time	V	sec								
CURVE														

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K18	*Resume Task*	*5*	*5*	*N/A*	*N/A*	*N/A*	*33*

Offset Word 0:*1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1:*variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2:*variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3:*3955*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*5*

Offset Word 4:*21//*

Bit	Width	Name	F/V	Value
0	8	MODE	F	*33*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
9	0	8	FIX		F	n/a		0						
10	0	16	K13	Process Identif.	V	n/a								

RAW MEANING

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K19	*Load Sp. T. APT*	*5*	*3*	*1*	*1*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *0101*

Bit	Width	Name	F/V	Value
0	8	TID	F	*1*
8	8	FID	F	*1*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	16	K15	Start Address	V	n/a								
CURVE														
12	0	16	K16	OverrunTolerance	V	n/a								
RAW	**MEANING**													
14	0	16	K17	MaxOverrunCount.	V	n/a								
CURVE														
16	0	16	K18	Priority	V	n/a								
CURVE														

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K2	*Enter IDLE Mode*	*5*	*5*	*N/A*	*N/A*	*N/A*	*1*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3955*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*5*

Offset Word 4: *01//*

Bit	Width	Name	F/V	Value
0	8	MODE	F	*1*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
9	0	8	FIX		F	n/a		0						

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K20	*Load Pe. T. PPT*	*5*	*3*	*0*	*1*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *0001*

Bit	Width	Name	F/V	Value
0	8	TID	F	*0*
8	8	FID	F	*1*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	16	K15	Start Address	V	n/a								
CURVE														
12	0	16	K19	Period	V	n/a								
CURVE														
14	0	16	K20	Phase	V	rad								
CURVE														
16	0	16	K16	OverrunTolerance	V	n/a								
RAW	**MEANING**													
18	0	16	K17	MaxOverrunCount.	V	n/a								
CURVE														
20	0	16	K21	EMDHPeriodTaskSt	V	n/a								
RAW	**MEANING**													
22	0	16	K14	Locking Time	V	sec								
CURVE														
24	0	16	K18	Priority	V	n/a								
CURVE														

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K21	*Unload P. T. PPT*	*5*	*3*	*0*	*2*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *0002*

Bit	Width	Name	F/V	Value
0	8	TID	F	*0*
8	8	FID	F	*2*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	16	K13	Process Identif.	V	n/a								

RAW MEANING

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K22	*Unload S. T. APT*	*5*	*3*	*1*	*2*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *0102*

Bit	Width	Name	F/V	Value
0	8	TID	F	*1*
8	8	FID	F	*2*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	16	K13	Process Identif.	V	n/a								

RAW MEANING

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K3	*Enter PRIME Mode*	*5*	*5*	*N/A*	*N/A*	*N/A*	*2*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3955*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*5*

Offset Word 4: *02//*

Bit	Width	Name	F/V	Value
0	8	MODE	F	*2*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
9	0	8	FIX		F	n/a		0						

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K30	*Test Command*	*13*	*1*	*N/A*	*N/A*	*N/A*	*N/A*

Offset Word 0:*1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1:*variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2:*variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3:*39D1*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*13*
12	4	Packet Subtype	F	*1*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K31	*Load HBR Config.*	*5*	*3*	*255*	*128*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FF80*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*128*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	1	K30	HBR 8 Selection	V	n/a								
RAW	**MEANING**													
0	Not Selected													
1	Selected													
10	1	1	K29	HBR 7 Selection	V	n/a								
RAW	**MEANING**													
0	Not Selected													
1	Selected													
10	2	1	K28	HBR 6 Selection	V	n/a								
RAW	**MEANING**													
0	Not Selected													
1	Selected													
10	3	1	K27	HBR 5 Selection	V	n/a								
RAW	**MEANING**													
0	Not Selected													
1	Selected													
10	4	1	K26	HBR 4 Selection	V	n/a								
RAW	**MEANING**													
0	Not Selected													
1	Selected													
10	5	1	K25	HBR 3 Selection	V	n/a								
RAW	**MEANING**													
0	Not Selected													
1	Selected													
10	6	1	K24	HBR 2 Selection	V	n/a								
RAW	**MEANING**													
0	Not Selected													
1	Selected													
10	7	1	K23	HBR 1 Selection	V	n/a								
RAW	**MEANING**													
0	Not Selected													
1	Selected													
11	0	1	K38	HBR 8 Active	V	n/a				K1496	40019	17	0	
RAW	**MEANING**													

0	Not Active										
1	Active										
11	1	1	K37	HBR 7 Active	V	n/a		K1495	40019	17	1
RAW	**MEANING**										
0	Not Active										
1	Active										
11	2	1	K36	HBR 6 Active	V	n/a		K1494	40019	17	2
RAW	**MEANING**										
0	Not Active										
1	Active										
11	3	1	K35	HBR 5 Active	V	n/a		K1493	40019	17	3
RAW	**MEANING**										
0	Not Active										
1	Active										
11	4	1	K34	HBR 4 Active	V	n/a		K1492	40019	17	4
RAW	**MEANING**										
0	Not Active										
1	Active										
11	5	1	K33	HBR 3 Active	V	n/a		K1491	40019	17	5
RAW	**MEANING**										
0	Not Active										
1	Active										
11	6	1	K32	HBR 2 Active	V	n/a		K1490	40019	17	6
RAW	**MEANING**										
0	Not Active										
1	Active										
11	7	1	K31	HBR 1 Active	V	n/a		K1489	40019	17	7
RAW	**MEANING**										
0	Not Active										
1	Active										
12	0	16	K39	HBR 1 Processing	V	n/a		K1497	40019	18	0
RAW	**MEANING**										
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										
14	0	16	K40	HBR 2 Processing	V	n/a		K1498	40019	20	0
RAW	**MEANING**										
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										
16	0	16	K41	HBR 3 Processing	V	n/a		K1499	40019	22	0
RAW	**MEANING**										
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										
18	0	16	K42	HBR 4 Processing	V	n/a		K1500	40019	24	0
RAW	**MEANING**										
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										
20	0	16	K43	HBR 5 Processing	V	n/a		K1501	40019	26	0
RAW	**MEANING**										
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										
22	0	16	K44	HBR 6 Processing	V	n/a		K1502	40019	28	0
RAW	**MEANING**										
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										
24	0	16	K45	HBR 7 Processing	V	n/a		K1503	40019	30	0
RAW	**MEANING**										
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										
26	0	16	K46	HBR 8 Processing	V	n/a		K1504	40019	32	0
RAW	**MEANING**										
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										

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K32	*LoadHBR BuffSize*	*5*	*3*	*255*	*129*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FF81*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*129*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a		0						
11	0	1	K30	HBR 8 Selection	V	n/a								

RAW	MEANING
0	Not Selected
1	Selected

11	1	1	K29	HBR 7 Selection	V	n/a								

RAW	MEANING
0	Not Selected
1	Selected

11	2	1	K28	HBR 6 Selection	V	n/a								

RAW	MEANING
0	Not Selected
1	Selected

11	3	1	K27	HBR 5 Selection	V	n/a								

RAW	MEANING
0	Not Selected
1	Selected

11	4	1	K26	HBR 4 Selection	V	n/a								

RAW	MEANING
0	Not Selected
1	Selected

11	5	1	K25	HBR 3 Selection	V	n/a								

RAW	MEANING
0	Not Selected
1	Selected

11	6	1	K24	HBR 2 Selection	V	n/a								

RAW	MEANING
0	Not Selected
1	Selected

11	7	1	K23	HBR 1 Selection	V	n/a								

RAW	MEANING
0	Not Selected

1 Selected

12	0	32	K47	HBR1BufferStartA	V	n/a	K1505	40020	16	0	**CURVE**
16	0	32	K48	HBR1BufferEndAdd	V	n/a	K1506	40020	20	0	**CURVE**
20	0	32	K49	HBR2BufferStartA	V	n/a	K1507	40020	24	0	**CURVE**
24	0	32	K50	HBR2BufferEndAdd	V	n/a	K1508	40020	28	0	**CURVE**
28	0	32	K51	HBR3BufferStartA	V	n/a	K1509	40020	32	0	**CURVE**
32	0	32	K52	HBR3BufferEndAdd	V	n/a	K1510	40020	36	0	**CURVE**
36	0	32	K53	HBR4BufferStartA	V	n/a	K1511	40020	40	0	**CURVE**
40	0	32	K54	HBR4BufferEndAdd	V	n/a	K1512	40020	44	0	**CURVE**
44	0	32	K55	HBR5BufferStartA	V	n/a	K1513	40020	48	0	**CURVE**
48	0	32	K56	HBR5BufferEndAdd	V	n/a	K1514	40020	52	0	**CURVE**
52	0	32	K57	HBR6BufferStartA	V	n/a	K1515	40020	56	0	**CURVE**
56	0	32	K58	HBR6BufferEndAdd	V	n/a	K1516	40020	60	0	**CURVE**
60	0	32	K59	HBR7BufferStartA	V	n/a	K1517	40020	64	0	**CURVE**
64	0	32	K60	HBR7BufferEndAdd	V	n/a	K1518	40020	68	0	**CURVE**
68	0	32	K61	HBR8BufferStartA	V	n/a	K1519	40020	72	0	**CURVE**
72	0	32	K62	HBR8BufferEndAdd	V	n/a	K1520	40020	76	0	**CURVE**

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K33	*Load HBR 1 BPT*	*5*	*3*	*255*	*131*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FF83*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*131*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0							
11	0	8	K164	HBR1 Bright P.N.	V	n/a				K1521	40021	16	0	
CURVE														
210	0	16	FIX		F	n/a	0							

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K34	*LoadHBR Thr.Val.*	*5*	*3*	*255*	*130*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FF82*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*130*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a		0						
11	0	1	K30	HBR 8 Selection	V	n/a								
RAW	**MEANING**													
0	Not Selected													
1	Selected													
11	1	1	K29	HBR 7 Selection	V	n/a								
RAW	**MEANING**													
0	Not Selected													
1	Selected													
11	2	1	K28	HBR 6 Selection	V	n/a								
RAW	**MEANING**													
0	Not Selected													
1	Selected													
11	3	1	K27	HBR 5 Selection	V	n/a								
RAW	**MEANING**													
0	Not Selected													
1	Selected													
11	4	1	K26	HBR 4 Selection	V	n/a								
RAW	**MEANING**													
0	Not Selected													
1	Selected													
11	5	1	K25	HBR 3 Selection	V	n/a								
RAW	**MEANING**													
0	Not Selected													
1	Selected													
11	6	1	K24	HBR 2 Selection	V	n/a								
RAW	**MEANING**													
0	Not Selected													
1	Selected													
11	7	1	K23	HBR 1 Selection	V	n/a								
RAW	**MEANING**													
0	Not Selected													

1	Selected										
12	0	16	K63	HBR1 Low Thresh	V	n/a	K1522	40022	16	0	
CURVE											
14	0	16	K64	HBR1 Upp Thresh	V	n/a	K1523	40022	18	0	
CURVE											
16	0	16	K65	HBR2 Low Thresh	V	n/a	K1524	40022	20	0	
CURVE											
18	0	16	K66	HBR2 Upp Thresh	V	n/a	K1525	40022	22	0	
CURVE											
20	0	16	K67	HBR3 Low Thresh	V	n/a	K1526	40022	24	0	
CURVE											
22	0	16	K68	HBR3 Upp Thresh	V	n/a	K1527	40022	26	0	
CURVE											
24	0	16	K69	HBR4 Low Thresh	V	n/a	K1528	40022	28	0	
CURVE											
26	0	16	K70	HBR4 Upp Thresh	V	n/a	K1529	40022	30	0	
CURVE											
28	0	16	K71	HBR5 Low Thresh	V	n/a	K1530	40022	32	0	
CURVE											
30	0	16	K72	HBR5 Upp Thresh	V	n/a	K1531	40022	34	0	
CURVE											
32	0	16	K73	HBR6 Low Thresh	V	n/a	K1532	40022	36	0	
CURVE											
34	0	16	K74	HBR6 Upp Thresh	V	n/a	K1533	40022	38	0	
CURVE											
36	0	16	K75	HBR7 Low Thresh	V	n/a	K1534	40022	40	0	
CURVE											
38	0	16	K76	HBR7 Upp Thresh	V	n/a	K1535	40022	42	0	
CURVE											
40	0	16	K77	HBR8 Low Thresh	V	n/a	K1536	40022	44	0	
CURVE											
42	0	16	K78	HBR8 Upp Thresh	V	n/a	K1537	40022	46	0	
CURVE											
44	0	16	K79	FastPatternThres	V	n/a	K1538	40022	48	0	
CURVE											

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K35	*Load EXTH Conf.*	*5*	*3*	*255*	*144*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FF90*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*144*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	K80	DeicinLowTempLi	V	degC				K1539	40023	16	0	
CURVE	Eng. Value [°C] = (Binary Value * 1.668) - 223.6													
11	0	8	K81	DeicinUppTempLi	V	degC				K1540	40023	17	0	
CURVE	Eng. Value [°C] = (Binary Value * 1.668) - 223.6													
12	0	8	K82	DeconLowTempLi	V	degC				K1541	40023	18	0	
CURVE	Eng. Value [°C] = (Binary Value * 1.668) - 223.6													
13	0	8	K83	DeconUppTempLi	V	degC				K1542	40023	19	0	
CURVE	Eng. Value [°C] = (Binary Value * 1.668) - 223.6													
14	0	8	K84	AnnealLowTempLi	V	degC				K1543	40023	20	0	
CURVE	Eng. Value [°C] = (Binary Value * 1.668) - 223.6													
15	0	8	K85	AnnealUppTempLi	V	degC				K1544	40023	21	0	
CURVE	Eng. Value [°C] = (Binary Value * 1.668) - 223.6													
16	0	16	K86	DeicinConfThCont	V	n/a				K1545	40023	22	0	
RAW	**MEANING**													
0	OFF													
1	ON													
18	0	16	K87	DeicinConfShroud	V	n/a				K1546	40023	24	0	
RAW	**MEANING**													
0	OFF													
1	ON													
20	0	16	K88	DeicinConfAnneal	V	n/a				K1547	40023	26	0	
RAW	**MEANING**													

0		OFF									
1		ON									
22	0	16	K89	DecontConfThCont	V	n/a		K1548	40023	28	0
RAW	**MEANING**										
0		OFF									
1		ON									
24	0	16	K90	DecontConfShroud	V	n/a		K1549	40023	30	0
RAW	**MEANING**										
0		OFF									
1		ON									
26	0	16	K91	DecontConfAnneal	V	n/a		K1550	40023	32	0
RAW	**MEANING**										
0		OFF									
1		ON									
28	0	16	K92	AnnealConfThCont	V	n/a		K1551	40023	34	0
RAW	**MEANING**										
0		OFF									
1		ON									
30	0	16	K93	AnnealConfShroud	V	n/a		K1552	40023	36	0
RAW	**MEANING**										
0		OFF									
1		ON									
32	0	16	K94	AnnealConfAnneal	V	n/a		K1553	40023	38	0
RAW	**MEANING**										
0		OFF									
1		ON									

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K36	*LoadTermMoniLim.*	*5*	*3*	*255*	*160*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FFA0*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*160*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	K96	UppMonTempLimit	V	degC				K1554	40024	16	0	
CURVE	Eng. Value [°C] = (Binary Value * 1.668) - 223.6													
11	0	8	K95	LowMonTempLimit	V	degC				K1555	40024	17	0	
CURVE	Eng. Value [°C] = (Binary Value * 1.668) - 223.6													

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K37	*Report HBR Conf.*	*5*	*4*	*255*	*128*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3954*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*4*

Offset Word 4: *FF80*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*128*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K38	*Rep.HBR BuffSize*	*5*	*4*	*255*	*129*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3954*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*4*

Offset Word 4: *FF81*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*129*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K39	*Report HBR 1 BPT*	*5*	*4*	*255*	*131*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3954*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*4*

Offset Word 4: *FF83*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*131*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K4	*Enter FAST Mode*	*5*	*5*	*N/A*	*N/A*	*N/A*	*3*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3955*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*5*

Offset Word 4: *03//*

Bit	Width	Name	F/V	Value
0	8	MODE	F	*3*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
9	0	8	FIX		F	n/a		0						

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K40	*ReportHBR ThrVal*	*5*	*4*	*255*	*130*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3954*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*4*

Offset Word 4: *FF82*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*130*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K41	*ReportEXTH Conf.*	*5*	*4*	*255*	*144*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3954*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*4*

Offset Word 4: *FF90*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*144*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K42	*ReportTermMonLim*	*5*	*4*	*255*	*160*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3954*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*4*

Offset Word 4: *FFA0*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*160*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K43	*Arm PW Door HOP*	*5*	*3*	*255*	*208*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FFD0*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*208*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0							
11	0	8	K97	Activation Time	V	sec								

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K44	*Fire PW Door HOP*	*5*	*3*	*255*	*209*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FFD1*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*209*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K45	*Rem. PW Door HOP*	*5*	*3*	*255*	*210*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FFD2*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*210*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K46	*Arm PW VenValHOP*	*5*	*3*	*255*	*224*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FFE0*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*224*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0							
11	0	8	K97	Activation Time	V	sec								

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K47	*Fire PW VenVaHOP*	*5*	*3*	*255*	*225*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FFE1***

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*225*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K48	*RemovePW VeVaHOP*	*5*	*3*	*255*	*226*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FFE2*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*226*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K49	***Apply Power F.W.***	*5*	*3*	*255*	*241*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FFF1***

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*241*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	16	K98	FW PW Coil Sel.	V	n/a								

RAW	MEANING
1	Nominal ON
2	Redundant ON
3	Both ON

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K5	*Enter O Mode*	*5*	*5*	*N/A*	*N/A*	*N/A*	*4*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3955*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*5*

Offset Word 4: *04//*

Bit	Width	Name	F/V	Value
0	8	MODE	F	*4*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
9	0	8	FIX		F	n/a	0							
10	0	16	K1	Rejected Frames	V	n/a								
CURVE														
12	0	16	K139	Window X0	V	n/a								
CURVE														
14	0	16	K140	Window Y0	V	n/a								
CURVE														
16	0	16	K141	Window X size	V	n/a								
CURVE														
18	0	16	K142	Window Y size	V	n/a								
CURVE														
20	0	16	K241	CCD Identifier	V	n/a								
CURVE														
22	0	16	K242	Readout node	V	n/a								
CURVE														
24	0	16	FIX		F	n/a	0							
26	0	16	FIX		F	n/a	0							
28	0	16	K243	CCD mode	V	n/a								

RAW	MEANING
0	Imaging
1	ImagingWindo

2	Timing						
30	0	16	K244	SmoothUppThresh	V	n/a	
CURVE							
32	0	16	K245	SmoothLowThresh	V	n/a	
CURVE							
34	0	16	K246	Initial Median	V	n/a	
CURVE							
36	0	16	K247	Initial Sigma	V	n/a	
CURVE							
38	0	16	K248	Sigma Factor	V	n/a	
CURVE							
40	0	16	K249	Instance Number	V	n/a	
CURVE							
42	0	16	FIX		F	n/a	0
44	0	16	FIX		F	n/a	0
46	0	16	K250	Field of View P1	V	n/a	
CURVE							
48	0	16	K251	Field of View P2	V	n/a	
CURVE							
50	0	16	K252	Field of View P3	V	n/a	
CURVE							
52	0	16	K253	Field of View P4	V	n/a	
CURVE							
54	0	16	K254	Field of View P5	V	n/a	
CURVE							
56	0	16	K255	Field of View P6	V	n/a	
CURVE							
58	0	16	K256	Field of View P7	V	n/a	
CURVE							
60	0	16	K257	Field of View P8	V	n/a	
CURVE							

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K50	*Remove PW F. W.*	*5*	*3*	*255*	*242*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FFF2*

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*242*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K51	*Dump EMDH Memory*	*6*	*2*	*N/A*	*N/A*	*0*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	*X*

Offset Word 3: *3962*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*6*
12	4	Packet Subtype	F	*2*

Offset Word 4: *0000*

Bit	Width	Name	F/V	Value
0	16	MID	F	*0*

Offset Word 5: *variable*

Bit	Width	Name	F/V	Value
0	32	Start Address	V	*X*

Offset Word 7: *variable*

Bit	Width	Name	F/V	Value
0	16	Length	V	*X*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K52	*Cal. EMDH M. CES*	*6*	*3*	*N/A*	*N/A*	*0*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3963*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*6*
12	4	Packet Subtype	F	*3*

Offset Word 4: *0000*

Bit	Width	Name	F/V	Value
0	16	MID	F	*0*

Offset Word 5: ***variable***

Bit	Width	Name	F/V	Value
0	32	Start Address	V	*X*

Offset Word 7: ***variable***

Bit	Width	Name	F/V	Value
0	16	Length	V	*X*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K53	*LOAD EMDH TABLES*	*6*	*1*	*N/A*	*N/A*	*1*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	*X*

Offset Word 3: *3961*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*6*
12	4	Packet Subtype	F	*1*

Offset Word 4: *0001*

Bit	Width	Name	F/V	Value
0	16	MID	F	*1*

Offset Word 5: *variable*

Bit	Width	Name	F/V	Value
0	32	Start Address	V	*X*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K54	*Dump EMDH Tables*	*6*	*2*	*N/A*	*N/A*	*1*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	*X*

Offset Word 3: *3962*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*6*
12	4	Packet Subtype	F	*2*

Offset Word 4: *0001*

Bit	Width	Name	F/V	Value
0	16	MID	F	*1*

Offset Word 5: *variable*

Bit	Width	Name	F/V	Value
0	32	Start Address	V	*X*

Offset Word 7: *variable*

Bit	Width	Name	F/V	Value
0	16	Length	V	*X*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K55	*Rep. TMP Gen. S.*	*9*	*1*	*N/A*	*N/A*	*N/A*	*N/A*

Offset Word 0:*1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1:*variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2:*variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3:*3991*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*9*
12	4	Packet Subtype	F	*1*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K56	*Enable Gen. ATMP*	*9*	*2*	*N/A*	*N/A*	*N/A*	*N/A*

Offset Word 0:*1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1:*variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2:*variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3:*3992*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*9*
12	4	Packet Subtype	F	*2*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K57	*Disable Ge. ATMP*	*9*	*3*	*N/A*	*N/A*	*N/A*	*N/A*

Offset Word 0:*1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1:*variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2:*variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3:*3993*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*9*
12	4	Packet Subtype	F	*3*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K58	*Enable Gen. STMP*	*9*	*4*	*N/A*	*N/A*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3994*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*9*
12	4	Packet Subtype	F	*4*

Offset Word 4: *variable*

Bit	Width	Name	F/V	Value
0	8	SID	V	*X*
8	8	Spare	F	*0*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K59	*Disable Ge. STMP*	*9*	*5*	*N/A*	*N/A*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3995*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*9*
12	4	Packet Subtype	F	*5*

Offset Word 4: *variable*

Bit	Width	Name	F/V	Value
0	8	SID	V	*X*
8	8	Spare	F	*0*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K6	*Enter CCDD Mode*	*5*	*5*	*N/A*	*N/A*	*N/A*	*5*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3955*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*5*

Offset Word 4: *05//*

Bit	Width	Name	F/V	Value
0	8	MODE	F	*5*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
9	0	8	FIX		F	n/a		0						
10	0	16	K1	Rejected Frames	V	n/a								
CURVE														
12	0	32	K2	Exp. Frame Pixel	V	n/a								
CURVE														

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K60	*Enable OBT Sync.*	*10*	*2*	*N/A*	*N/A*	*N/A*	*N/A*

Offset Word 0:*1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1:*variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2:*variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3:*39A2*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*10*
12	4	Packet Subtype	F	*2*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K61	*Add Time Code*	*10*	*3*	*N/A*	*N/A*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***39A3***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*10*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***variable***

Bit	Width	Name	F/V	Value
0	48	Time Code	V	*X*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K62	*Enable OBT Veri.*	*10*	*5*	*N/A*	*N/A*	*N/A*	*N/A*

Offset Word 0:*1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1:*variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2:*variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3:*39A5*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*10*
12	4	Packet Subtype	F	*5*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K63	***Preset Time Cnt.***	*5*	*3*	*255*	*176*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FFB0***

Bit	Width	Name	F/V	Value
0	8	TID	F	*255*
8	8	FID	F	*176*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	16	K100	TimeCntPresetVal	V	sec				K1044	40001	112	0	

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K64	*Dump EMCR Memory*	*6*	*2*	*N/A*	*N/A*	*16*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3962*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*6*
12	4	Packet Subtype	F	*2*

Offset Word 4: *0010*

Bit	Width	Name	F/V	Value
0	16	MID	F	*16*

Offset Word 5: ***variable***

Bit	Width	Name	F/V	Value
0	32	Start Address	V	*X*

Offset Word 7: ***variable***

Bit	Width	Name	F/V	Value
0	16	Length	V	*X*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K65	*Cal. EMCR M CES*	*6*	*3*	*N/A*	*N/A*	*16*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	*X*

Offset Word 3: *3963*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*6*
12	4	Packet Subtype	F	*3*

Offset Word 4: *0010*

Bit	Width	Name	F/V	Value
0	16	MID	F	*16*

Offset Word 5: *variable*

Bit	Width	Name	F/V	Value
0	32	Start Address	V	*X*

Offset Word 7: *variable*

Bit	Width	Name	F/V	Value
0	16	Length	V	*X*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K66	*Download EDU PMT*	*5*	*3*	*254*	*12*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FE0C*

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*12*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	12							
12	0	16	FIX		F	n/a	4							
14	0	8	FIX		F	n/a	0							
15	0	8	K104	EDU Identifier	V	n/a								

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K67	*Download EDU OST*	*5*	*3*	*254*	*13*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FE0D***

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*13*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	13							
12	0	16	FIX		F	n/a	4							
14	0	8	K104	EDU Identifier	V	n/a								

CURVE

15	0	8	K105	EDU Zone	V	n/a

RAW	MEANING
0	Normal Area
1	Alternate A.

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K68	*Download Sequen.*	*5*	*3*	*254*	*14*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FE0E***

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*14*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	14							
12	0	16	FIX		F	n/a	4							
14	0	8	FIX		F	n/a	0							
15	0	8	K106	EMAE Seq. Ident.	V	n/a								

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K69	*Stop EMCR RAM Pr*	*5*	*3*	*254*	*39*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FE27*

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*39*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	39							
12	0	16	FIX		F	n/a	3							

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K7	*Enter EXTH Mode*	*5*	*5*	*N/A*	*N/A*	*N/A*	*6*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3955*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*5*

Offset Word 4: *06//*

Bit	Width	Name	F/V	Value
0	8	MODE	F	*6*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
9	0	8	K3	ExtraheatingMode	V	n/a								
RAW	**MEANING**													
0	Deicing													
1	Decontamina.													
2	Annealing													
10	0	8	K4	MinTempSetValue	V	degC				K1424	40001	462	0	
CURVE	Eng. Value [°C] = (Binary Value * 1.668) - 223.6													
11	0	8	K5	MaxTempSetValue	V	degC				K1425	40001	463	0	
CURVE	Eng. Value [°C] = (Binary Value * 1.668) - 223.6													

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K70	*LOAD EMCR MEMORY*	*6*	*1*	*N/A*	*N/A*	*16*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	*X*

Offset Word 3: *3961*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*6*
12	4	Packet Subtype	F	*1*

Offset Word 4: *0010*

Bit	Width	Name	F/V	Value
0	16	MID	F	*16*

Offset Word 5: *variable*

Bit	Width	Name	F/V	Value
0	32	Start Address	V	*X*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K71	*Start EMCR RAM P*	*5*	*3*	*254*	*17*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FE11*

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*17*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	17							
12	0	16	FIX		F	n/a	3							

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K72	*Load EMCR M. PMT*	*5*	*3*	*254*	*19*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FE13***

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*19*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	19							
12	0	16	FIX		F	n/a	104							
14	0	8	FIX		F	n/a	0							
15	0	8	K107	PMT Identifier	V	n/a								

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K73	*Upload EMCRM OST*	*5*	*3*	*254*	*20*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FE14***

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*20*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	20							
12	0	16	FIX		F	n/a								
14	0	8	FIX		F	n/a	0							
15	0	8	K108	OST Identifier	V	n/a								

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K74	*Upload EMCRM Seq*	*5*	*3*	*254*	*21*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FE15***

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*21*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	21							
12	0	16	FIX		F	n/a	516							
14	0	8	FIX		F	n/a	0							
15	0	8	K109	Seq. Pro. Ident.	V	n/a								

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K75	*Upload EMCR M TI*	*5*	*3*	*254*	*22*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FE16***

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*22*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	22							
12	0	16	FIX		F	n/a	803							

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K76	*Set EMCR EDU THR*	*5*	*3*	*254*	*24*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FE18***

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*24*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	24							
12	0	16	FIX		F	n/a	6							
14	0	8	FIX		F	n/a	0							
15	0	8	K104	EDU Identifier	V	n/a								
CURVE														
16	0	16	K110	EDU Low Thres. 1	V	n/a								
CURVE														
18	0	16	K111	EDU Low Thres. 2	V	n/a								
CURVE														

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K77	*Configure EDU*	*5*	*3*	*254*	*27*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FE1B*

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*27*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	27							
12	0	16	FIX		F	n/a	11							
14	0	8	K112	EDU 0 Oper. Mode	V	n/a				K1358	40001	408	0	
RAW	**MEANING**													
0	Stop													
1	Run													
2	Alternate													
15	0	8	K120	EDU 0 Scien.Mode	V	n/a				K1359	40001	408	2	
RAW	**MEANING**													
0	Transparent													
1	Timing													
2	Threshold													
3	Image													
16	0	8	K113	EDU 1 Oper. Mode	V	n/a				K1363	40001	410	0	
RAW	**MEANING**													
0	Stop													
1	Run													
2	Alternate													
17	0	8	K121	EDU 1 Scien.Mode	V	n/a				K1364	40001	410	2	
RAW	**MEANING**													
0	Transparent													
1	Timing													
2	Threshold													
3	Image													
18	0	8	K114	EDU 2 Oper. Mode	V	n/a				K1368	40001	412	0	
RAW	**MEANING**													
0	Stop													

1	Run										
2	Alternate										
19	0	8	K122	EDU 2 Scien.Mode	V	n/a		K1369	40001	412	2
RAW	**MEANING**										
0	Transparent										
1	Timing										
2	Threshold										
3	Image										
20	0	8	K115	EDU 3 Oper. Mode	V	n/a		K1373	40001	414	0
RAW	**MEANING**										
0	Stop										
1	Run										
2	Alternate										
21	0	8	K123	EDU 3 Scien.Mode	V	n/a		K1374	40001	414	2
RAW	**MEANING**										
0	Transparent										
1	Timing										
2	Threshold										
3	Image										
22	0	8	K116	EDU 4 Oper. Mode	V	n/a		K1378	40001	416	0
RAW	**MEANING**										
0	Stop										
1	Run										
2	Alternate										
23	0	8	K124	EDU 4 Scien.Mode	V	n/a		K1379	40001	416	2
RAW	**MEANING**										
0	Transparent										
1	Timing										
2	Threshold										
3	Image										
24	0	8	K117	EDU 5 Oper. Mode	V	n/a		K1383	40001	418	0
RAW	**MEANING**										
0	Stop										
1	Run										
2	Alternate										
25	0	8	K125	EDU 5 Scien.Mode	V	n/a		K1384	40001	418	2
RAW	**MEANING**										
0	Transparent										
1	Timing										
2	Threshold										
3	Image										
26	0	8	K118	EDU 6 Oper. Mode	V	n/a		K1388	40001	420	0
RAW	**MEANING**										
0	Stop										
1	Run										
2	Alternate										
27	0	8	K126	EDU 6 Scien.Mode	V	n/a		K1389	40001	420	2
RAW	**MEANING**										
0	Transparent										
1	Timing										
2	Threshold										
3	Image										
28	0	8	K119	EDU 7 Oper. Mode	V	n/a		K1393	40001	422	0
RAW	**MEANING**										
0	Stop										
1	Run										
2	Alternate										
29	0	8	K127	EDU 7 Scien.Mode	V	n/a		K1394	40001	422	2
RAW	**MEANING**										
0	Transparent										
1	Timing										
2	Threshold										
3	Image										

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K78	*Load EDU OffsetT*	*5*	*3*	*254*	*31*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FE1F***

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*31*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	31							
12	0	16	FIX		F	n/a	5							
14	0	8	K104	EDU Identifier	V	n/a								
CURVE														
15	0	8	K108	OST Identifier	V	n/a								
CURVE														
16	0	8	FIX		F	n/a	0							
17	0	8	K105	EDU Zone	V	n/a								

RAW	MEANING
0	Normal Area
1	Alternate A.

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K79	*Load EDU PMTable*	*5*	*3*	*254*	*32*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FE20***

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*32*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	32							
12	0	16	FIX		F	n/a	4							
14	0	8	K104	EDU Identifier	V	n/a								
CURVE														
15	0	8	K107	PMT Identifier	V	n/a								
CURVE														

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K8	*Enter IFT Mode*	*5*	*5*	*N/A*	*N/A*	*N/A*	*16*

Offset Word 0:*1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1:*variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2:*variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3:*3955*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*5*

Offset Word 4:*10//*

Bit	Width	Name	F/V	Value
0	8	MODE	F	*16*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
9	0	8	FIX		F	n/a		0						
10	0	16	K6	IFTSelectionMode	V	n/a								

RAW	MEANING
0	EMCS
1	EMDH

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K80	*Set EMAE MUX Pos*	*5*	*3*	*254*	*23*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FE17***

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*23*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	23							
12	0	16	FIX		F	n/a	5							
14	0	1	K179	AnCh 3/4 SeqRam	V	n/a				K1592	40001	356	0	
RAW	**MEANING**													
0	Load													
1	Run													
14	1	1	K180	AnCh3/4 InbCtrlC	V	n/a				K1593	40001	356	1	
RAW	**MEANING**													
0	OFF													
1	ON													
14	2	1	K181	AnCh3/4 InbCtrlB	V	n/a				K1594	40001	356	2	
RAW	**MEANING**													
0	OFF													
1	ON													
14	3	1	K182	AnCh3/4 InbCtrlA	V	n/a				K1595	40001	356	3	
RAW	**MEANING**													
0	OFF													
1	ON													
14	4	1	FIX		F	n/a	0							
14	5	3	K183	AnCh3/4 IntSimul	V	n/a				K1596	40001	356	5	
RAW	**MEANING**													
0	ChainNorNod0													
1	ChainNorNod1													
2	Chain/10Nod0													
3	Chain/10Nod1													

4	SimulatorMax										
5	Simulator_/2										
6	Simulator_/4										
7	Simulator_/8										
15	0	1	K172	AnCh 1/2 SeqRam	V	n/a		K1599	40001	357	0
RAW	**MEANING**										
0	Load										
1	Run										
15	1	1	K173	AnCh1/2 InbCtrlC	V	n/a		K1600	40001	357	1
RAW	**MEANING**										
0	OFF										
1	ON										
15	2	1	K174	AnCh1/2 InbCtrlB	V	n/a		K1601	40001	357	2
RAW	**MEANING**										
0	OFF										
1	ON										
15	3	1	K175	AnCh1/2 InbCtrlA	V	n/a		K1602	40001	357	3
RAW	**MEANING**										
0	OFF										
1	ON										
15	4	1	FIX		F	n/a	0				
15	5	3	K176	AnCh1/2 IntSimul	V	n/a		K1603	40001	357	5
RAW	**MEANING**										
0	ChainNorNod0										
1	ChainNorNod1										
2	Chain/10Nod0										
3	Chain/10Nod1										
4	SimulatorMax										
5	Simulator_/2										
6	Simulator_/4										
7	Simulator_/8										
16	0	1	K193	AnCh 7/8 SeqRam	V	n/a		K1606	40001	358	0
RAW	**MEANING**										
0	Load										
1	Run										
16	1	1	K194	AnCh7/8 InbCtrlC	V	n/a		K1607	40001	358	1
RAW	**MEANING**										
0	OFF										
1	ON										
16	2	1	K195	AnCh7/8 InbCtrlB	V	n/a		K1608	40001	358	2
RAW	**MEANING**										
0	OFF										
1	ON										
16	3	1	K196	AnCh7/8 InbCtrlA	V	n/a		K1609	40001	358	3
RAW	**MEANING**										
0	OFF										
1	ON										
16	4	1	FIX		F	n/a	0				
16	5	3	K197	AnCh7/8 IntSimul	V	n/a		K1610	40001	358	5
RAW	**MEANING**										
0	ChainNorNod0										
1	ChainNorNod1										
2	Chain/10Nod0										
3	Chain/10Nod1										
4	SimulatorMax										
5	Simulator_/2										
6	Simulator_/4										
7	Simulator_/8										
17	0	1	K186	AnCh 5/6 SeqRam	V	n/a		K1613	40001	359	0
RAW	**MEANING**										
0	Load										
1	Run										

17	1	1	K187	AnCh5/6 InbCtrlC	V	n/a			K1614	40001	359	1

RAW	MEANING
0	OFF
1	ON

17	2	1	K188	AnCh5/6 InbCtrlB	V	n/a			K1615	40001	359	2

RAW	MEANING
0	OFF
1	ON

17	3	1	K189	AnCh5/6 InbCtrlA	V	n/a			K1616	40001	359	3

RAW	MEANING
0	OFF
1	ON

17	4	1	FIX		F	n/a	0					

17	5	3	K190	AnCh5/6 IntSimul	V	n/a			K1617	40001	359	5

RAW	MEANING
0	ChainNorNod0
1	ChainNorNod1
2	Chain/10Nod0
3	Chain/10Nod1
4	SimulatorMax
5	Simulator_/2
6	Simulator_/4
7	Simulator_/8

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K81	*Load EMAE Comman*	*5*	*3*	*253*	*25*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FD19*

Bit	Width	Name	F/V	Value
0	8	TID	F	*253*
8	8	FID	F	*25*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	25							
12	0	16	FIX		F	n/a	4							
14	0	8	K133	EMAECommandAd	V	n/a								
CURVE														
15	0	8	K160	EMAECommandDat	V	n/a								
CURVE														

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K82	*Load EMAE Sequen*	*5*	*3*	*254*	*26*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FE1A***

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*26*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	26							
12	0	16	FIX		F	n/a	6							
14	0	8	K109	Seq. Pro. Ident.	V	n/a								
CURVE														
15	0	8	K106	EMAE Seq. Ident.	V	n/a								
CURVE														
16	0	16	K132	EMAE Seq. Offset	V	n/a								
CURVE														
18	0	8	FIX		F	n/a	0							
19	0	8	FIX		F	n/a	0							

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K83	*Set EMCR Obs. T.*	*5*	*3*	*254*	*30*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FE1E***

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*30*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	30							
12	0	16	FIX		F	n/a	11							
14	0	16	K148	EMCRGroup1IntTi	V	sec				K1319	40001	368	4	
CURVE	Eng value [s] = Binary value * 0.1													
16	0	16	K149	EMCRGroup2IntTi	V	sec				K1329	40001	378	4	
CURVE	Eng value [s] = Binary value * 0.1													
18	0	16	K150	EMCRGroup3IntTi	V	sec				K1339	40001	388	4	
CURVE	Eng value [s] = Binary value * 0.1													
20	0	16	K151	EMCRGroup4IntTi	V	sec				K1349	40001	398	4	
CURVE	Eng value [s] = Binary value * 0.1													
22	0	8	K152	EMCR2FirstCycDel	V	sec				K1330	40001	380	0	
CURVE	Eng value [s] = Binary value * 0.1													
23	0	8	K153	EMCR1FirstCycDel	V	sec				K1320	40001	370	0	
CURVE	Eng value [s] = Binary value * 0.1													
24	0	8	K154	EMCR4FirstCycDel	V	sec				K1350	40001	400	0	
CURVE	Eng value [s] = Binary value * 0.1													
25	0	8	K155	EMCR3FirstCycDel	V	sec				K1340	40001	390	0	
CURVE	Eng value [s] = Binary value * 0.1													

26	0	8	K156	EMCR2ReadoutDel.	V	n/a		K1334	40001	384	0
CURVE	Eng value [s] = Binary value * 0.1										
27	0	8	K157	EMCR1ReadoutDel.	V	sec		K1324	40001	374	0
CURVE	Eng value [s] = Binary value * 0.1										
28	0	8	K158	EMCR4ReadoutDel.	V	sec		K1354	40001	404	0
CURVE	Eng value [s] = Binary value * 0.1										
29	0	8	K159	EMCR3ReadoutDel.	V	sec		K1344	40001	394	0
CURVE	Eng value [s] = Binary value * 0.1										

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K84	*Synchronize F.W.*	*5*	*3*	*254*	*28*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FE1C*

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*28*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	28							
12	0	16	FIX		F	n/a	5							
14	0	8	K99	FW T Coil Sel.	V	n/a				K1420	40001	460	1	
RAW	**MEANING**													
0	Both ON													
1	Nominal ON													
2	Redundant ON													
15	0	8	K134	Rotation Direct.	V	n/a				K1421	40001	460	3	
RAW	**MEANING**													
0	Forward													
1	Backward													
16	0	8	FIX		F	n/a	0							
17	0	1	K146	Stop Nominal	V	n/a				K1254	40015	17	0	
RAW	**MEANING**													
0	In Position													
0	In Position													
1	Out Position													
1	Out Position													
17	1	1	FIX		F	n/a	0							
17	2	1	FIX		F	n/a	0							

17	3	3	K135	FW Exp Abs Pos	V	n/a			K1257	40015	17	3

RAW	MEANING
0	Open
0	Open
1	Filter D
1	Filter D
2	Filter C
2	Filter C
3	Filter B
3	Filter B
4	Filter A
4	Filter A
5	Closed
5	Closed
6	IllegalValue
6	IllegalValue
7	Not Valid CS
7	Not Valid CS

17	6	1	K147	Stop Redundant	V	n/a			K1258	40015	17	6

RAW	MEANING
0	In Position
0	In Position
1	Out Position
1	Out Position

17	7	1	FIX		F	n/a	0

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K85	*Turn Filt. Wheel*	*5*	*3*	*254*	*29*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FE1D*

Bit	Width	Name	F/V	Value
0	8	TID	F	*254*
8	8	FID	F	*29*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	20							
12	0	16	FIX		F	n/a	6							
14	0	8	K99	FW T Coil Sel.	V	n/a				K1420	40001	460	1	
RAW	**MEANING**													
0	Both ON													
1	Nominal ON													
2	Redundant ON													
15	0	8	K134	Rotation Direct.	V	n/a				K1421	40001	460	3	
RAW	**MEANING**													
0	Forward													
1	Backward													
16	0	8	K136	FW Running Mode	V	n/a				K1422	40001	460	4	
RAW	**MEANING**													
0	Normal													
1	Step													
17	0	1	K146	Stop Nominal	V	n/a				K1254	40015	17	0	
RAW	**MEANING**													
0	In Position													
0	In Position													
1	Out Position													
1	Out Position													
17	1	1	FIX		F	n/a	0							
17	2	1	FIX		F	n/a	0							

17	3	3	K135	FW Exp Abs Pos	V	n/a			K1257	40015	17	3

RAW	MEANING
0	Open
0	Open
1	Filter D
1	Filter D
2	Filter C
2	Filter C
3	Filter B
3	Filter B
4	Filter A
4	Filter A
5	Closed
5	Closed
6	IllegalValue
6	IllegalValue
7	Not Valid CS
7	Not Valid CS

17	6	1	K147	Stop Redundant	V	n/a			K1258	40001	305	6

RAW	MEANING
0	In Position
0	In Position
1	Out Position
1	Out Position

17	7	1	FIX		F	n/a	0

18	0	16	K137	New Address	V	n/a	

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K9	*Enter BSW Mode*	*5*	*1*	*252*	*N/A*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3951*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*1*

Offset Word 4: *FC00*

Bit	Width	Name	F/V	Value
0	8	TID	F	*252*
8	8	Spare	F	*0*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K91	*Set CCD1 Voltage*	*5*	*3*	*253*	*0*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FD00*

Bit	Width	Name	F/V	Value
0	8	TID	F	*253*
8	8	FID	F	*0*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	25							
12	0	16	FIX		F	n/a	19							
14	0	8	FIX		F	n/a	16							
15	0	8	K223	CCD VSS	V	V	0			K1094	40001	197	0	
CURVE	Eng. Value [V] = Binary Value * 0.039													
16	0	8	FIX		F	n/a	17							
17	0	8	K224	CCD VBB	V	V	0			K1093	40001	196	0	
CURVE	Eng. Value [V] = Binary Value * 0.121													
18	0	8	FIX		F	n/a	18							
19	0	8	K225	CCD VGR	V	V	15			K1096	40001	199	0	
CURVE	Eng. Value [V] = Binary Value * 0.121													

20	0	8	FIX		F	n/a	19						
21	0	8	K226	CCD VID	V	V	20		K1095	40001	198	0	
CURVE	Eng. Value [V] = Binary Value * 0.121												
22	0	8	FIX		F	n/a	20						
23	0	8	K227	CCD VOG1	V	V	2,5		K1098	40001	201	0	
CURVE	Eng. Value [V] = Binary Value * 0.039												
24	0	8	FIX		F	n/a	21						
25	0	8	K228	CCD VRD1	V	V	18		K1097	40001	200	0	
CURVE	Eng. Value [V] = Binary Value * 0.081												
26	0	8	FIX		F	n/a	22						
27	0	8	K229	CCD VOD1	V	V	28		K1100	40001	203	0	
CURVE	Eng. Value [V] = Binary Value * 0.152												
28	0	8	FIX		F	n/a	23						
29	0	8	K230	CCD VOG2	V	V	2,5		K1099	40001	202	0	
CURVE	Eng. Value [V] = Binary Value * 0.039												
30	0	8	FIX		F	n/a	24						
31	0	8	K231	CCD VRD2	V	V	18		K1102	40001	205	0	
CURVE	Eng. Value [V] = Binary Value * 0.081												
32	0	8	FIX		F	n/a	25						
33	0	8	K232	CCD VOD2	V	V	28		K1101	40001	204	0	
CURVE	Eng. Value [V] = Binary Value * 0.152												
34	0	8	FIX		F	n/a	26						

35	0	8	K233	CCD I	V	V	8			K1104	40001	207	0		
CURVE	Eng. Value [V] = Binary Value * 0.0613														
36	0	8	FIX		F	n/a	27								
37	0	8	K234	CCD S	V	V	8			K1103	40001	206	0		
CURVE	Eng. Value [V] = Binary Value * 0.0612														
38	0	8	FIX		F	n/a	28								
39	0	8	K235	CCD R	V	V			9	K1106	40001	209	0		
CURVE	Eng. Value [V] = Binary Value * 0.0612														
40	0	8	FIX		F	n/a	29								
41	0	8	K236	CCD IG	V	V	0			K1105	40001	208	0		
CURVE	Eng. Value [V] = Binary Value * 0.059														
42	0	8	FIX		F	n/a	30								
43	0	8	K237	CCD RESET 1	V	V	9,5			K1108	40001	211	0		
CURVE	Eng. Value [V] = Binary Value * 0.062														
44	0	8	FIX		F	n/a	31								
45	0	8	K238	CCD RESET 2	V	V	10,5			K1107	40001	210	0		
CURVE	Eng. Value [V] = Binary Value * 0.062														

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K92	*Set CCD2 Voltage*	*5*	*3*	*253*	*1*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FD01*

Bit	Width	Name	F/V	Value
0	8	TID	F	*253*
8	8	FID	F	*1*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	25							
12	0	16	FIX		F	n/a	19							
14	0	8	FIX		F	n/a	64							
15	0	8	K223	CCD VSS	V	V	0			K1166	40001	229	0	
CURVE	Eng. Value [V] = Binary Value * 0.039													
16	0	8	FIX		F	n/a	65							
17	0	8	K224	CCD VBB	V	V	0			K1165	40001	228	0	
CURVE	Eng. Value [V] = Binary Value * 0.121													
18	0	8	FIX		F	n/a	66							
19	0	8	K225	CCD VGR	V	V	15			K1168	40001	231	0	
CURVE	Eng. Value [V] = Binary Value * 0.121													

20	0	8	FIX			F	n/a	67					
21	0	8	K226	CCD VID		V	V	20		K1167	40001	230	0
CURVE	Eng. Value [V] = Binary Value * 0.121												
22	0	8	FIX			F	n/a	68					
23	0	8	K227	CCD VOG1		V	V	2,5		K1170	40001	233	0
CURVE	Eng. Value [V] = Binary Value * 0.039												
24	0	8	FIX			F	n/a	69					
25	0	8	K228	CCD VRD1		V	V	19		K1169	40001	232	0
CURVE	Eng. Value [V] = Binary Value * 0.081												
26	0	8	FIX			F	n/a	70					
27	0	8	K229	CCD VOD1		V	V	29		K1172	40001	235	0
CURVE	Eng. Value [V] = Binary Value * 0.152												
28	0	8	FIX			F	n/a	71					
29	0	8	K230	CCD VOG2		V	V	2,5		K1171	40001	234	0
CURVE	Eng. Value [V] = Binary Value * 0.039												
30	0	8	FIX			F	n/a	72					
31	0	8	K231	CCD VRD2		V	V	19		K1174	40001	237	0
CURVE	Eng. Value [V] = Binary Value * 0.081												
32	0	8	FIX			F	n/a	73					
33	0	8	K232	CCD VOD2		V	V	29		K1173	40001	236	0
CURVE	Eng. Value [V] = Binary Value * 0.152												
34	0	8	FIX			F	n/a	74					

35	0	8	K233	CCD I	V	V	8			K1176	40001	239	0	
CURVE	Eng. Value [V] = Binary Value * 0.0613													
36	0	8	FIX		F	n/a	75							
37	0	8	K234	CCD S	V	V	8			K1175	40001	238	0	
CURVE	Eng. Value [V] = Binary Value * 0.0612													
38	0	8	FIX		F	n/a	76							
39	0	8	K235	CCD R	V	V			8	K1178	40001	241	0	
CURVE	Eng. Value [V] = Binary Value * 0.0612													
40	0	8	FIX		F	n/a	77							
41	0	8	K236	CCD IG	V	V	0			K1177	40001	240	0	
CURVE	Eng. Value [V] = Binary Value * 0.059													
42	0	8	FIX		F	n/a	78							
43	0	8	K237	CCD RESET 1	V	V	8			K1180	40001	243	0	
CURVE	Eng. Value [V] = Binary Value * 0.062													
44	0	8	FIX		F	n/a	79							
45	0	8	K238	CCD RESET 2	V	V	8			K1179	40001	242	0	
CURVE	Eng. Value [V] = Binary Value * 0.062													

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K93	*Set CCD3 Voltage*	*5*	*3*	*253*	*2*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FD02*

Bit	Width	Name	F/V	Value
0	8	TID	F	*253*
8	8	FID	F	*2*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	25							
12	0	16	FIX		F	n/a	19							
14	0	8	FIX		F	n/a	192							
15	0	8	K223	CCD VSS	V	V	0,1			K1267	40001	313	0	
CURVE	Eng. Value [V] = Binary Value * 0.039													
16	0	8	FIX		F	n/a	193							
17	0	8	K224	CCD VBB	V	V	0			K1266	40001	312	0	
CURVE	Eng. Value [V] = Binary Value * 0.121													
18	0	8	FIX		F	n/a	194							
19	0	8	K225	CCD VGR	V	V	15			K1269	40001	315	0	
CURVE	Eng. Value [V] = Binary Value * 0.121													

20	0	8	FIX		F	n/a	195						
21	0	8	K226	CCD VID	V	V	20		K1268	40001	314	0	
CURVE	Eng. Value [V] = Binary Value * 0.121												
22	0	8	FIX		F	n/a	196						
23	0	8	K227	CCD VOG1	V	V	2,5		K1271	40001	317	0	
CURVE	Eng. Value [V] = Binary Value * 0.039												
24	0	8	FIX		F	n/a	197						
25	0	8	K228	CCD VRD1	V	V	18		K1270	40001	316	0	
CURVE	Eng. Value [V] = Binary Value * 0.081												
26	0	8	FIX		F	n/a	198						
27	0	8	K229	CCD VOD1	V	V	29		K1273	40001	319	0	
CURVE	Eng. Value [V] = Binary Value * 0.152												
28	0	8	FIX		F	n/a	199						
29	0	8	K230	CCD VOG2	V	V	2,5		K1272	40001	318	0	
CURVE	Eng. Value [V] = Binary Value * 0.039												
30	0	8	FIX		F	n/a	200						
31	0	8	K231	CCD VRD2	V	V	18		K1275	40001	321	0	
CURVE	Eng. Value [V] = Binary Value * 0.081												
32	0	8	FIX		F	n/a	201						
33	0	8	K232	CCD VOD2	V	V	29		K1274	40001	320	0	
CURVE	Eng. Value [V] = Binary Value * 0.152												
34	0	8	FIX		F	n/a	202						

35	0	8	K233	CCD I	V	V	7			K1277	40001	323	0	
CURVE	Eng. Value [V] = Binary Value * 0.0613													
36	0	8	FIX		F	n/a	203							
37	0	8	K234	CCD S	V	V	7			K1276	40001	322	0	
CURVE	Eng. Value [V] = Binary Value * 0.0612													
38	0	8	FIX		F	n/a	204							
39	0	8	K235	CCD R		V	V		9	K1279	40001	325	0	
CURVE	Eng. Value [V] = Binary Value * 0.0612													
40	0	8	FIX		F	n/a	205							
41	0	8	K236	CCD IG	V	V	0			K1278	40001	324	0	
CURVE	Eng. Value [V] = Binary Value * 0.059													
42	0	8	FIX		F	n/a	206							
43	0	8	K237	CCD RESET 1	V	V	8			K1281	40001	327	0	
CURVE	Eng. Value [V] = Binary Value * 0.062													
44	0	8	FIX		F	n/a	207							
45	0	8	K238	CCD RESET 2	V	V	8			K1280	40001	326	0	
CURVE	Eng. Value [V] = Binary Value * 0.062													

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K94	*Set CCD4 Voltage*	*5*	*3*	*253*	*3*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FD03*

Bit	Width	Name	F/V	Value
0	8	TID	F	*253*
8	8	FID	F	*3*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	25							
12	0	16	FIX		F	n/a	19							
14	0	8	FIX		F	n/a	128							
15	0	8	K223	CCD VSS	V	V	0			K1209	40001	266	0	
CURVE	Eng. Value [V] = Binary Value * 0.039													
16	0	8	FIX		F	n/a	129							
17	0	8	K224	CCD VBB	V	V	0			K1212	40001	269	0	
CURVE	Eng. Value [V] = Binary Value * 0.121													
18	0	8	FIX		F	n/a	130							
19	0	8	K225	CCD VGR	V	V	14			K1211	40001	268	0	
CURVE	Eng. Value [V] = Binary Value * 0.121													

20	0	8	FIX		F	n/a	131					
21	0	8	K226	CCD VID	V	V	20		K1214	40001	271	0
CURVE	Eng. Value [V] = Binary Value * 0.121											
22	0	8	FIX		F	n/a	132					
23	0	8	K227	CCD VOG1	V	V	1		K1213	40001	270	0
CURVE	Eng. Value [V] = Binary Value * 0.039											
24	0	8	FIX		F	n/a	133					
25	0	8	K228	CCD VRD1	V	V	16		K1216	40001	273	0
CURVE	Eng. Value [V] = Binary Value * 0.081											
26	0	8	FIX		F	n/a	134					
27	0	8	K229	CCD VOD1	V	V	30		K1215	40001	272	0
CURVE	Eng. Value [V] = Binary Value * 0.152											
28	0	8	FIX		F	n/a	135					
29	0	8	K230	CCD VOG2	V	V	1		K1218	40001	275	0
CURVE	Eng. Value [V] = Binary Value * 0.039											
30	0	8	FIX		F	n/a	136					
31	0	8	K231	CCD VRD2	V	V	16		K1217	40001	274	0
CURVE	Eng. Value [V] = Binary Value * 0.081											
32	0	8	FIX		F	n/a	137					
33	0	8	K232	CCD VOD2	V	V	30		K1220	40001	277	0
CURVE	Eng. Value [V] = Binary Value * 0.152											
34	0	8	FIX		F	n/a	138					

35	0	8	K233	CCD I	V	V	9			K1219	40001	276	0	
CURVE	Eng. Value [V] = Binary Value * 0.0613													
36	0	8	FIX		F	n/a	139							
37	0	8	K234	CCD S	V	V	9			K1222	40001	279	0	
CURVE	Eng. Value [V] = Binary Value * 0.0612													
38	0	8	FIX		F	n/a	140							
39	0	8	K235	CCD R		V	V		7	K1221	40001	278	0	
CURVE	Eng. Value [V] = Binary Value * 0.0612													
40	0	8	FIX		F	n/a	141							
41	0	8	K236	CCD IG	V	V	0			K1224	40001	281	0	
CURVE	Eng. Value [V] = Binary Value * 0.059													
42	0	8	FIX		F	n/a	142							
43	0	8	K237	CCD RESET 1	V	V	9			K1223	40001	280	0	
CURVE	Eng. Value [V] = Binary Value * 0.062													
44	0	8	FIX		F	n/a	143							
45	0	8	K238	CCD RESET 2	V	V	9			K1226	40001	283	0	
CURVE	Eng. Value [V] = Binary Value * 0.062													

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K95	*Set CCD5 Voltage*	*5*	*3*	*253*	*4*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FD04*

Bit	Width	Name	F/V	Value
0	8	TID	F	*253*
8	8	FID	F	*4*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	25							
12	0	16	FIX		F	n/a	19							
14	0	8	FIX		F	n/a	80							
15	0	8	K223	CCD VSS	V	V	0			K1182	40001	245	0	
CURVE	Eng. Value [V] = Binary Value * 0.039													
16	0	8	FIX		F	n/a	81							
17	0	8	K224	CCD VBB	V	V	0			K1181	40001	244	0	
CURVE	Eng. Value [V] = Binary Value * 0.121													
18	0	8	FIX		F	n/a	82							
19	0	8	K225	CCD VGR	V	V	15			K1184	40001	247	0	
CURVE	Eng. Value [V] = Binary Value * 0.121													

20	0	8	FIX		F	n/a	83						
21	0	8	K226	CCD VID	V	V	20		K1183	40001	246	0	
CURVE	Eng. Value [V] = Binary Value * 0.121												
22	0	8	FIX		F	n/a	84						
23	0	8	K227	CCD VOG1	V	V	1,5		K1186	40001	249	0	
CURVE	Eng. Value [V] = Binary Value * 0.039												
24	0	8	FIX		F	n/a	85						
25	0	8	K228	CCD VRD1	V	V	17		K1185	40001	248	0	
CURVE	Eng. Value [V] = Binary Value * 0.081												
26	0	8	FIX		F	n/a	86						
27	0	8	K229	CCD VOD1	V	V	30		K1188	40001	251	0	
CURVE	Eng. Value [V] = Binary Value * 0.152												
28	0	8	FIX		F	n/a	87						
29	0	8	K230	CCD VOG2	V	V	1,5		K1187	40001	250	0	
CURVE	Eng. Value [V] = Binary Value * 0.039												
30	0	8	FIX		F	n/a	88						
31	0	8	K231	CCD VRD2	V	V	17		K1190	40001	253	0	
CURVE	Eng. Value [V] = Binary Value * 0.081												
32	0	8	FIX		F	n/a	89						
33	0	8	K232	CCD VOD2	V	V	30		K1189	40001	252	0	
CURVE	Eng. Value [V] = Binary Value * 0.152												
34	0	8	FIX		F	n/a	90						

35	0	8	K233	CCD I	V	V	8			K1192	40001	255	0	
CURVE	Eng. Value [V] = Binary Value * 0.0613													
36	0	8	FIX		F	n/a	91							
37	0	8	K234	CCD S	V	V	8			K1191	40001	254	0	
CURVE	Eng. Value [V] = Binary Value * 0.0612													
38	0	8	FIX		F	n/a	92							
39	0	8	K235	CCD R		V	V		7	K1194	40001	257	0	
CURVE	Eng. Value [V] = Binary Value * 0.0612													
40	0	8	FIX		F	n/a	93							
41	0	8	K236	CCD IG	V	V	0			K1193	40001	256	0	
CURVE	Eng. Value [V] = Binary Value * 0.059													
42	0	8	FIX		F	n/a	94							
43	0	8	K237	CCD RESET 1	V	V	9			K1196	40001	259	0	
CURVE	Eng. Value [V] = Binary Value * 0.062													
44	0	8	FIX		F	n/a	95							
45	0	8	K238	CCD RESET 2	V	V	9			K1195	40001	258	0	
CURVE	Eng. Value [V] = Binary Value * 0.062													

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K96	*Set CCD6 Voltage*	*5*	*3*	*253*	*5*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FD05*

Bit	Width	Name	F/V	Value
0	8	TID	F	*253*
8	8	FID	F	*5*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	25							
12	0	16	FIX		F	n/a	19							
14	0	8	FIX		F	n/a	208							
15	0	8	K223	CCD VSS	V	V	0			K1283	40001	329	0	
CURVE	Eng. Value [V] = Binary Value * 0.039													
16	0	8	FIX		F	n/a	209							
17	0	8	K224	CCD VBB	V	V	0			K1282	40001	328	0	
CURVE	Eng. Value [V] = Binary Value * 0.121													
18	0	8	FIX		F	n/a	210							
19	0	8	K225	CCD VGR	V	V	15			K1285	40001	331	0	
CURVE	Eng. Value [V] = Binary Value * 0.121													

20	0	8	FIX		F	n/a	211						
21	0	8	K226	CCD VID	V	V	20		K1284	40001	330	0	
CURVE	Eng. Value [V] = Binary Value * 0.121												
22	0	8	FIX		F	n/a	212						
23	0	8	K227	CCD VOG1	V	V	2,5		K1287	40001	333	0	
CURVE	Eng. Value [V] = Binary Value * 0.039												
24	0	8	FIX		F	n/a	213						
25	0	8	K228	CCD VRD1	V	V	19		K1286	40001	332	0	
CURVE	Eng. Value [V] = Binary Value * 0.081												
26	0	8	FIX		F	n/a	214						
27	0	8	K229	CCD VOD1	V	V	29		K1289	40001	335	0	
CURVE	Eng. Value [V] = Binary Value * 0.152												
28	0	8	FIX		F	n/a	215						
29	0	8	K230	CCD VOG2	V	V	2,5		K1288	40001	334	0	
CURVE	Eng. Value [V] = Binary Value * 0.039												
30	0	8	FIX		F	n/a	216						
31	0	8	K231	CCD VRD2	V	V	19		K1291	40001	337	0	
CURVE	Eng. Value [V] = Binary Value * 0.081												
32	0	8	FIX		F	n/a	217						
33	0	8	K232	CCD VOD2	V	V	29		K1290	40001	336	0	
CURVE	Eng. Value [V] = Binary Value * 0.152												
34	0	8	FIX		F	n/a	218						

35	0	8	K233	CCD I	V	V	8			K1293	40001	339	0		
CURVE	Eng. Value [V] = Binary Value * 0.0613														
36	0	8	FIX		F	n/a	219								
37	0	8	K234	CCD S	V	V	8			K1292	40001	338	0		
CURVE	Eng. Value [V] = Binary Value * 0.0612														
38	0	8	FIX		F	n/a	220								
39	0	8	K235	CCD R		V	V		8	K1295	40001	341	0		
CURVE	Eng. Value [V] = Binary Value * 0.0612														
40	0	8	FIX		F	n/a	221								
41	0	8	K236	CCD IG	V	V	0			K1294	40001	340	0		
CURVE	Eng. Value [V] = Binary Value * 0.059														
42	0	8	FIX		F	n/a	222								
43	0	8	K237	CCD RESET 1	V	V	9			K1297	40001	343	0		
CURVE	Eng. Value [V] = Binary Value * 0.062														
44	0	8	FIX		F	n/a	223								
45	0	8	K238	CCD RESET 2	V	V	9			K1296	40001	342	0		
CURVE	Eng. Value [V] = Binary Value * 0.062														

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K97	*Set CCD7 Voltage*	*5*	*3*	*253*	*6*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FD06*

Bit	Width	Name	F/V	Value
0	8	TID	F	*253*
8	8	FID	F	*6*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	25							
12	0	16	FIX		F	n/a	19							
14	0	8	FIX		F	n/a	144							
15	0	8	K223	CCD VSS	V	V	0			K1225	40001	282	0	
CURVE	Eng. Value [V] = Binary Value * 0.039													
16	0	8	FIX		F	n/a	145							
17	0	8	K224	CCD VBB	V	V	0			K1228	40001	285	0	
CURVE	Eng. Value [V] = Binary Value * 0.121													
18	0	8	FIX		F	n/a	146							
19	0	8	K225	CCD VGR	V	V	15			K1227	40001	284	0	
CURVE	Eng. Value [V] = Binary Value * 0.121													

20	0	8	FIX		F	n/a	147						
21	0	8	K226	CCD VID	V	V	20		K1230	40001	287	0	
CURVE	Eng. Value [V] = Binary Value * 0.121												
22	0	8	FIX		F	n/a	148						
23	0	8	K227	CCD VOG1	V	V	2,5		K1229	40001	286	0	
CURVE	Eng. Value [V] = Binary Value * 0.039												
24	0	8	FIX		F	n/a	149						
25	0	8	K228	CCD VRD1	V	V	19		K1232	40001	289	0	
CURVE	Eng. Value [V] = Binary Value * 0.081												
26	0	8	FIX		F	n/a	150						
27	0	8	K229	CCD VOD1	V	V	29		K1231	40001	288	0	
CURVE	Eng. Value [V] = Binary Value * 0.152												
28	0	8	FIX		F	n/a	151						
29	0	8	K230	CCD VOG2	V	V	2,5		K1234	40001	291	0	
CURVE	Eng. Value [V] = Binary Value * 0.039												
30	0	8	FIX		F	n/a	152						
31	0	8	K231	CCD VRD2	V	V	19		K1233	40001	290	0	
CURVE	Eng. Value [V] = Binary Value * 0.081												
32	0	8	FIX		F	n/a	153						
33	0	8	K232	CCD VOD2	V	V	29		K1236	40001	293	0	
CURVE	Eng. Value [V] = Binary Value * 0.152												
34	0	8	FIX		F	n/a	154						

35	0	8	K233	CCD I	V	V	8			K1235	40001	292	0		
CURVE	Eng. Value [V] = Binary Value * 0.0613														
36	0	8	FIX		F	n/a	155								
37	0	8	K234	CCD S	V	V	8			K1238	40001	295	0		
CURVE	Eng. Value [V] = Binary Value * 0.0612														
38	0	8	FIX		F	n/a	156								
39	0	8	K235	CCD R		V	V		9	K1237	40001	294	0		
CURVE	Eng. Value [V] = Binary Value * 0.0612														
40	0	8	FIX		F	n/a	157								
41	0	8	K236	CCD IG	V	V	0			K1240	40001	297	0		
CURVE	Eng. Value [V] = Binary Value * 0.059														
42	0	8	FIX		F	n/a	158								
43	0	8	K237	CCD RESET 1	V	V	9			K1239	40001	296	0		
CURVE	Eng. Value [V] = Binary Value * 0.062														
44	0	8	FIX		F	n/a	159								
45	0	8	K238	CCD RESET 2	V	V	9			K1242	40001	299	0		
CURVE	Eng. Value [V] = Binary Value * 0.062														

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K98	*Set FPT Main Con*	*5*	*3*	*253*	*7*	*N/A*	*N/A*

Offset Word 0: *1E80*

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: *variable*

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: *variable*

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: *3953*

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: *FD07*

Bit	Width	Name	F/V	Value
0	8	TID	F	*253*
8	8	FID	F	*7*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	25							
12	0	16	FIX		F	n/a	4							
14	0	8	FIX		F	n/a	112							
15	0	8	K239	FP TempMainContr	V	degC				K1207	40001	264	0	
CURVE	Eng. Value [°C] = (Binary Value * 0.869) - 168													

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K99	*Set FPT Red. Con*	*5*	*3*	*253*	*8*	*N/A*	*N/A*

Offset Word 0: ***1E80***

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	*1664*

Offset Word 1: ***variable***

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	*X*

Offset Word 2: ***variable***

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	***X***

Offset Word 3: ***3953***

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	*5*
12	4	Packet Subtype	F	*3*

Offset Word 4: ***FD08***

Bit	Width	Name	F/V	Value
0	8	TID	F	*253*
8	8	FID	F	*8*

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255							
11	0	8	FIX		F	n/a	25							
12	0	16	FIX		F	n/a	4							
14	0	8	FIX		F	n/a	113							
15	0	8	K240	FP TempRedContr	V	degC				K1210	40001	267	0	
CURVE	Eng. Value [°C] = (Binary Value * 0.869) - 168													