



Publication Year	1999
Acceptance in OA @INAF	2023-02-10T13:14:59Z
Title	TC/TM DATABASE FOR THE EPIC PN CAMERA SYSTEM (EPCS)
Authors	LA PALOMBARA, NICOLA
Handle	http://hdl.handle.net/20.500.12386/33399

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50001	1792	Main Periodic H/K	1	1	10	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 7: 0A00

Bit	Width	Name	F/V	Value
0	8	SID	F	10
8	8	Spare	F	0

Offset Word 1: variable

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

Offset Word 2: variable

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

Offset Word 3: 0311

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	16	F1001	D Prim PW Consum	V	A		0,3	0,6		none	none
CURVE ENG [A] = ((Raw Value * 16) / 4095) - 8												
18	0	16	F1002	D P.S. Temp #1	V	degC					none	none
CURVE ENG [°C] = (Raw Value * 0.004884 - 10) * (-25.054) + 83.137												
20	0	16	F1003	D P.S. Temp #2	V	degC					none	none
CURVE ENG [°C] = (Raw Value * 0.004884 - 10) * (-25.054) + 83.137												
22	0	16	F1004	D +5 V PW Supply	V	V		4,7	5,3		none	none
CURVE ENG [V] = (((Raw Value * 20) / 4095) - 10) * 2												
24	0	16	F1005	D DBU Power Sup.	V	V		5,7	6,3		none	none
CURVE ENG [V] = (((Raw Value * 20) / 4095) - 10) * 2												
26	0	16	F1006	D +15V PW Supply	V	V		14,5	15,5		none	none
CURVE ENG [V] = (((Raw Value * 20) / 4095) - 10) * 2												
28	0	16	F1007	D -15V PW Supply	V	V		-15,5	-14,5		none	none
CURVE ENG [V] = (((Raw Value * 20) / 4095) - 10) * 2												
30	0	8	FIX	Filler	F	n/a	0					
CURVE												
31	0	8	FIX	Filler	F	n/a	0					
CURVE												

EPCS TM PACKETS

32	0	8	F1008	D Operating Mode	V	n/a	0	16	none	none
RAW MEANING										
0	Safe StandBy									
1	Idle									
2	Observation									
4	Offset/Noise									
5	CCD Diagnos.									
6	Extraheating									
16	InFlightTest									
33	0	8	F1009	D Valid Mode	V	n/a	0	255	none	none
RAW MEANING										
0	Valid Mode									
1	EnteringMode									
2	Leaving Mode									
255	NotValidMode									
34	0	8	FIX	Filler	F	n/a	0			
CURVE										
35	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
35	2	1	F1010	D Door Hop ST	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
35	3	1	F1011	D Ven Val HOP St	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
35	4	1	F1012	D FW MotorStatus	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
35	5	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
35	6	1	F1013	D ExtH Heater ST	V	n/a	0	1	F0007	none
RAW MEANING										
0	Off									
1	On									
35	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
36	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
36	2	1	F1014	D Door HOP LCP	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
36	3	1	F1015	D VenVal HOP LCP	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
36	4	1	F1016	D FW Motor LCP	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
36	5	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
36	6	1	F1017	DExtH Heater LCP	V	n/a	0	1	F0007	none
RAW MEANING										
0	Off									
1	On									

EPCS TM PACKETS

36	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
37	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
37	2	1	F1018	D Door HOP CLS	V	n/a	0	1	none	none
RAW MEANING										
0	Not Active									
1	Active									
37	3	1	F1019	D VenVal HOP CLS	V	n/a	0	1	none	none
RAW MEANING										
0	Not Active									
1	Active									
37	4	1	F1020	D FW Motor CLS	V	n/a	0	1	none	none
RAW MEANING										
0	Not Active									
1	Active									
37	5	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
37	6	1	F1021	DExtH Heater CLS	V	n/a	0	1	none	none
RAW MEANING										
0	Not Active									
1	Active									
37	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
38	0	8	F1022	D HBR1 Ch. Conf.	V	n/a	0	6	F0031	none
RAW MEANING										
0	Disabled									
1	ImaFullFrame									
2	ImaLargeWind									
3	ImaSmallWind									
4	Timing									
5	Burst									
6	Transparent									
39	0	8	F1023	D HBR2 Ch. Conf.	V	n/a	0	6	F0031	none
RAW MEANING										
0	Disabled									
1	ImaFullFrame									
2	ImaLargeWind									
3	ImaSmallWind									
4	Timing									
5	Burst									
6	Transparent									
40	0	8	F1024	D HBR3 Ch. Conf.	V	n/a	0	6	F0031	none
RAW MEANING										
0	Disabled									
1	ImaFullFrame									
2	ImaLargeWind									
3	ImaSmallWind									
4	Timing									
5	Burst									
6	Transparent									
41	0	8	F1025	D HBR4 Ch. Conf.	V	n/a	0	6	F0031	none
RAW MEANING										
0	Disabled									
1	ImaFullFrame									
2	ImaLargeWind									
3	ImaSmallWind									
4	Timing									
5	Burst									
6	Transparent									

EPCS TM PACKETS

EPIC-EST-TN-005 I.3

Appendix M

42	0	8	F1026	D HBR1 Buff Occ	V	n/a	0	75	none	none
CURVE										
43	0	8	F1027	D HBR2 Buff Occ	V	n/a	0	75	none	none
CURVE										
44	0	8	F1028	D HBR3 Buff Occ	V	n/a	0	75	none	none
CURVE										
45	0	8	F1029	D HBR4 Buff Occ	V	n/a	0	75	none	none
CURVE										
46	0	48	F1030	D Course OBT Rst	V	n/a	0	16777215	none	none
CURVE										
52	0	16	F1031	D LBR I/F Status	V	n/a			none	none
RAW MEANING										
54	0	16	FIX	Filler	F	n/a	0			
CURVE										
56	0	16	F1033	D HBR 1 Disc Pix	V	n/a	0	65535	none	none
CURVE										
58	0	16	F1034	D HBR 2 Disc Pix	V	n/a	0	65535	none	none
CURVE										
60	0	16	F1035	D HBR 3 Disc Pix	V	n/a	0	65535	none	none
CURVE										
62	0	16	F1036	D HBR 4 Disc Pix	V	n/a	0	65535	none	none
CURVE										
64	0	16	F1037	D HBR 1 Disc Cyc	V	n/a	0	65535	none	none
CURVE										
66	0	16	F1038	D HBR 2 Disc Cyc	V	n/a	0	65535	none	none
CURVE										
68	0	16	F1039	D HBR 3 Disc Cyc	V	n/a	0	65535	none	none
CURVE										
70	0	16	F1040	D HBR 4 Disc Cyc	V	n/a	0	65535	none	none
CURVE										
72	0	1	FIX	Filler	F	n/a	1			
CURVE										
72	1	15	F1041	D CntModStaTime1	V	n/a	0	32767	none	none
CURVE										
74	0	1	FIX	Filler	F	n/a	1			
CURVE										
74	1	15	F1042	D CntModStoTime1	V	n/a	0	32767	none	none
CURVE										
76	0	1	FIX	Filler	F	n/a	1			
CURVE										
76	1	15	F1043	D CntModStaTime2	V	n/a	0	32767	none	none
CURVE										
78	0	1	FIX	Filler	F	n/a	1			
CURVE										

EPCS TM PACKETS

78	1	15	F1044	D CntModStoTime2	V	n/a		0	32767	none	none
CURVE											
80	0	1	FIX	Filler	F	n/a	1				
CURVE											
80	1	15	F1045	D CntModStaTime3	V	n/a		0	32767	none	none
CURVE											
82	0	1	FIX	Filler	F	n/a	1				
CURVE											
82	1	15	F1046	D CntModStoTime3	V	n/a		0	32767	none	none
CURVE											
84	0	1	FIX	Filler	F	n/a	1				
CURVE											
84	1	15	F1047	D CntModStaTime4	V	n/a		0	32767	none	none
CURVE											
86	0	1	FIX	Filler	F	n/a	1				
CURVE											
86	1	15	F1048	D CntModStoTime4	V	n/a		0	32767	none	none
CURVE											
88	0	8	F1049	D Door HOP ArmST	V	n/a		0	255	none	none
RAW MEANING											
0											
255											
89	0	8	F1050	D VenValHOPArmST	V	n/a		0	255	none	none
RAW MEANING											
0											
255											
90	0	16	F1051	D H/K Refresh ST	V	n/a		0	65535	none	none
RAW MEANING											
92	0	16	F1052	DTimAutRstPreVal	V	n/a		1	32400	F0063	none
CURVE											
94	0	32	F1904	Spare 4 bytes	V	n/a		0	42949672	none	none
CURVE											
98	0	32	F1904	Spare 4 bytes	V	n/a		0	42949672	none	none
CURVE											
102	0	32	F1904	Spare 4 bytes	V	n/a		0	42949672	none	none
CURVE											
106	0	32	F1904	Spare 4 bytes	V	n/a		0	42949672	none	none
CURVE											
110	0	32	F1904	Spare 4 bytes	V	n/a		0	42949672	none	none
CURVE											
114	0	16	F1905	Spare 2 bytes	V	n/a		0	65535	none	none
CURVE											
116	0	16	F1053	C CE_SECCNT	V	n/a		0	65535	none	none
CURVE											
118	0	8	F1054	C CE_ERRCNT	V	n/a		0	255	F0078	none
CURVE											

EPCS TM PACKETS

119	0	8	F1055	C CE_LASTERR	V	n/a	0	255	F0078	none
RAW MEANING										
120	0	8	F1056	C CE_CMDCNT	V	n/a	0	255	none	none
CURVE										
121	0	8	F1057	C CE_CMDREJ	V	n/a	0	255	F0078	none
CURVE										
122	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
123	0	8	F1059	C CE_OVRRUNS	V	n/a	0	255	none	none
CURVE										
124	0	16	F1060	C CE_BYTEREC	V	n/a	0	65535	none	none
CURVE										
126	0	16	F1061	C CE_BYTESND	V	n/a	0	65535	none	none
CURVE										
128	0	8	F1062	C CE_CMDCNTR	V	n/a	0	255	none	none
CURVE										
129	0	1	F1063	CErrSIF MasterST	V	n/a	0	1	F0078	none
RAW MEANING										
	0			Ready						
	1			Not Ready						
129	1	1	F1064	CErr EPCE ADC ST	V	n/a	0	1	F0078	none
RAW MEANING										
	0			Ready						
	1			Not Ready						
129	2	1	F1065	CErr UART InpuST	V	n/a	0	1	F0078	none
RAW MEANING										
	0			No Overrun						
	1			Overrun						
129	3	1	F1066	CErr EPVC ADC ST	V	n/a	0	1	F0078	none
RAW MEANING										
	0			Ready						
	1			Not Ready						
129	4	1	F1067	CErrIlgCPUInterr	V	n/a	0	1	F0078	none
RAW MEANING										
	0			Not Received						
	1			Received						
129	5	1	F1068	C Err RAM Check	V	n/a	0	1	F0179	none
RAW MEANING										
	0			Not Occured						
	1			Occured						
129	6	1	F1058	C FWTH ADC Stat	V	n/a	0	1	F0078	none
RAW MEANING										
	0			Ready						
	1			Not Ready						
129	7	1	F1475	C TimSignMissing	V	n/a	0	1	F0078	none
RAW MEANING										
	0			No Missing						
	1			Missing						
130	0	8	F1069	C CE_TEMP_CPU	V	degC			none	none
CURVE $ENG (^{\circ}C) = RAW * 1.73 - 270$										
131	0	8	F1070	C CE_TEMP_BOX	V	degC			none	none
CURVE $ENG (^{\circ}C) = RAW * 1.73 - 270$										

EPCS TM PACKETS

132	0	8	F1071	C CE_WBOOTS	V	n/a	0	255	F0078	none
CURVE										
133	0	8	F1072	C CE_INTCNT	V	n/a	0	255	none	none
CURVE										
134	0	8	F1073	C CE_WDOGCNT	V	n/a	0	255	F0078	none
CURVE										
135	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
135	4	1	F1074	C CE_QUADSEL #3	V	n/a	0	1	F0092	none
RAW MEANING										
0	Not Selected									
1	Selected									
135	5	1	F1075	C CE_QUADSEL #2	V	n/a	0	1	F0092	none
RAW MEANING										
0	Not Selected									
1	Selected									
135	6	1	F1076	C CE_QUADSEL #1	V	n/a	0	1	F0092	none
RAW MEANING										
0	Not Selected									
1	Selected									
135	7	1	F1077	C CE_QUADSEL #0	V	n/a	0	1	F0092	none
RAW MEANING										
0	Not Selected									
1	Selected									
136	0	1	F1078	C EPCE Active	V	n/a	0	1	none	none
RAW MEANING										
0	Nominal									
1	Redundant									
136	1	1	F1079	C EPCE Mode	V	n/a	0	1	F0083	none
RAW MEANING										
0	Nominal									
1	Debug									
136	2	1	F1080	C EPCEMemoModify	V	n/a	0	1	F0091	X5001
RAW MEANING										
0	One time									
1	Continuously									
136	3	1	F1081	C EPCEMemModAuto	V	n/a	0	1	F0091	none
RAW MEANING										
0	Off									
1	On									
136	4	1	F1082	CCEB/CEWPUT VeRe	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									
136	5	1	F1083	CCEB/CEWPUT VeSt	V	n/a	0	1	F0091	none
RAW MEANING										
0	Enabled									
1	Disabled									
136	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
136	7	1	F1476	CEMEMCHK active	V	n/a	0	1	F0065	none
RAW MEANING										
0	Not Active									
1	Active									
137	0	1	F1084	C FWGOTO Status	V	n/a	0	1	F0129	none
RAW MEANING										
0	Not Active									
1	Active									
137	1	1	F1085	C FWCAL Status	V	n/a	0	1	F0130	none
RAW MEANING										

EPCS TM PACKETS

0	Not Active										
1	Active										
137	2	1	F1086	CCERAMCHK Status	V	n/a	0	1	F0179	none	
RAW MEANING											
0	Not Active										
1	Active										
137	3	1	F1087	CMemUplinkStatus	V	n/a	0	1	F0082	none	
RAW MEANING											
0	Not Active										
1	Active										
137	4	1	F1088	CCEIntVecMemTest	V	n/a	0	1	none	X5015	
RAW MEANING											
0	Passed										
1	Failed										
137	5	1	F1089	C CEMemBank2Test	V	n/a	0	1	none	X5015	
RAW MEANING											
0	Passed										
1	Failed										
137	6	1	F1090	C CEMemBank1Test	V	n/a	0	1	none	X5015	
RAW MEANING											
0	Passed										
1	Failed										
137	7	1	F1091	C CEMemBank0Test	V	n/a	0	1	none	X5015	
RAW MEANING											
0	Passed										
1	Failed										
138	0	16	F1092	C CE_MSG	V	n/a	0	65535	F0079	none	
CURVE											
140	0	16	F1093	C CE_ADDRS	V	n/a	0	65535	F0088	none	
CURVE											
142	0	16	F1094	C CE_ADDRO	V	n/a	0	65535	F0088	none	
CURVE											
144	0	16	F1095	C CE_DATA	V	n/a	0	65535	F0088	none	
CURVE											
146	0	16	F1096	C CE_MEMCHKSS	V	n/a	0	65535	F0065	none	
CURVE											
148	0	16	F1097	C CE_MEMCHKSO	V	n/a	0	65535	F0065	none	
CURVE											
150	0	16	F1098	C CE_MEMCHKLEN	V	n/a	0	65535	F0065	none	
CURVE											
152	0	16	F1099	C CE_MEMCHKSUM	V	n/a	0	65535	F0065	none	
CURVE											
154	0	16	F1100	C CE_RAMCHKSS	V	n/a			F0179	none	
CURVE											
156	0	16	F1101	C CE_RAMCHKSO	V	n/a	0	65535	F0179	none	
CURVE											
158	0	16	F1102	C CE_RAMCHKLEN	V	n/a	0	65535	F0179	none	
CURVE											
160	0	4	F1103	C CE_DCREG slave	V	n/a	0	7	F0194	none	
CURVE											
160	4	4	F1204	C CE_DCREGmaster	V	n/a	0	7	F0194	none	
CURVE											

EPCS TM PACKETS

161	0	16	F1104	C CE_DCCMD	V	n/a	0	65535	F0194	none
CURVE										
163	0	8	F1105	C CE_DCSTAT	V	n/a	0	65535	F0194	none
CURVE										
164	0	16	F1106	C CE_DCADATA	V	n/a	0	65535	F0194	none
CURVE										
166	0	8	F1107	C CE_LASTCMD	V	n/a	0	255	none	none
RAW MEANING										
167	0	16	F1108	C CE_MUPL_S	V	n/a	0	65535	F0082	none
CURVE										
169	0	16	F1109	C CE_MUPL_O	V	n/a	0	65535	F0082	none
CURVE										
171	0	8	F1110	C CE_MUPL_L	V	n/a	0	232	F0082	none
CURVE										
172	0	1	F1111	H FW Moving Mode	V	n/a	0	1	F0126	none
RAW MEANING										
0	Emergency									
1	Normal									
172	1	1	F1112	HFW Moving Direc	V	n/a	0	1	F0125	none
RAW MEANING										
0	Up									
1	Down									
172	2	1	F1113	H FW Stop Sensor	V	n/a	0	1	F0190	none
RAW MEANING										
0	Enabled									
1	Disabled									
172	3	11	F1114	HFW TimeOut Step	V	n/a	0	1599	F0123	none
CURVE										
173	6	1	F1115	HFW Moving Speed	V	n/a	0	1	F0188	none
RAW MEANING										
0	Slow									
1	Fast									
173	7	1	F1116	H FW TimeOutStop	V	n/a	0	1	F0189	none
RAW MEANING										
0	Disabled									
1	Enabled									
174	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
174	3	1	F1117	H FW PW Pos&Temp	V	n/a	0	1	F0127	none
RAW MEANING										
0	Off									
1	On									
174	4	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
175	2	3	F1118	H FW PosSensorST	V	n/a	0	7	F0129	X5020
RAW MEANING										
0	Open									
1	Filter D									
2	Filter C									
3	Filter B									
4	Filter A									
5	Close									
7	No Stop Pos.									
175	5	1	F1119	HFW Motor Status	V	n/a	0	1	F0124	none
RAW MEANING										

EPCS TM PACKETS

0	Stopped										
1	Running										
175	6	1	F1120	HFW StopPosition	V	n/a	0	1	none	none	
RAW MEANING											
0	Not Active										
1	Active										
175	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
176	0	16	F1122	H CE_FWSPOT	V	n/a	0	359,9	none	X5020	
CURVE $ENG (^{\circ}C) = RAW * (-0.8547) + 417.094$											
178	0	16	F1123	H CE_FWTEMP1	V	degC			none	X5020	
CURVE $ENG (^{\circ}C) = RAW * (-0.8967) + 186.088$											
180	0	16	F1124	H CE_FWTEMP2	V	degC			none	X5020	
CURVE $ENG (^{\circ}C) = RAW * (-0.8967) + 186.088$											
182	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none	
CURVE											
183	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none	
CURVE											
183	4	1	F1125	HFW DecontHeaLtc	V	n/a	0	1	none	none	
RAW MEANING											
0	ON										
1	OFF										
183	5	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
183	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
183	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
184	0	16	F1127	H CE_TTMPFPC	V	degC			none	none	
CURVE $ENG (^{\circ}C) = RAW * (-0.7303) + 129.6629$											
186	0	16	F1128	H CE_TTMPFPF	V	degC			none	none	
CURVE $ENG (^{\circ}C) = RAW * (-0.07421) - 91.2987$											
188	0	16	F1129	H CE_TTMPS	V	degC			none	none	
CURVE $ENG (^{\circ}C) = RAW * (-0.7303) + 129.6629$											
190	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none	
CURVE											

EPCS TM PACKETS

EPIC-EST-TN-005 I.3

Appendix M

191	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none
CURVE										
191	5	1	F1130	H HOP PW Sensor	V	n/a	0	1	F0191	none
RAW MEANING										
0	Off									
1	On									
191	6	1	F1131	H HOP Retracted	V	n/a	0	1	none	X5000
RAW MEANING										
0	Retracted									
1	NotRetracted									
191	7	1	F1132	HHOP Door Status	V	n/a	0	1	F0044	X5000
RAW MEANING										
0	Open									
1	Closed									
192	0	8	F1133	C CE_U+5D	V	V	4,7	5,3	none	none
CURVE ENG (V) = RAW*0.045										
193	0	8	F1134	C CE_U+5A	V	V	4,7	5,3	none	none
CURVE ENG (V) = RAW*0.044										
194	0	8	F1135	C CE_U-15A	V	V	-15,5	-14,5	none	none
CURVE ENG (V) = RAW*(-0.13)										
195	0	8	F1136	C CE_UDGND	V	V	-0,5	0,5	none	none
CURVE ENG (V) = RAW*0.01954-2.5										
196	0	8	F1137	C CE_CU+5A	V	V	4,7	5,3	none	none
CURVE ENG (V) = RAW*0.036										
197	0	8	F1138	C CE_CU-15A	V	V	-15,5	-14,5	none	none
CURVE ENG (V) = RAW*(-0.0711)										
198	0	1	F1139	C ErA0 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
198	1	1	F1140	CErA0 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
198	2	1	F1141	C ErA0 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
198	3	1	F1142	CErA0 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
198	4	1	F1143	CErA0 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
198	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
199	0	8	F1144	C ErA0 NegACKCod	V	n/a			F0078	none
RAW MEANING										

EPCS TM PACKETS

200	0	1	F1145	C ErA1 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
200	1	1	F1146	CErA1 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
200	2	1	F1147	C ErA1 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
200	3	1	F1148	CErA1 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
200	4	1	F1149	CErA1 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
200	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
201	0	8	F1150	C ErA1 NegACKCod	V	n/a			F0078	none
RAW MEANING										
202	0	1	F1151	C ErA2 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
202	1	1	F1152	CErA2 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
202	2	1	F1153	C ErA2 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
202	3	1	F1154	CErA2 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
202	4	1	F1155	CErA2 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
202	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
203	0	8	F1156	C ErA2 NegACKCod	V	n/a			F0078	none
RAW MEANING										
204	0	1	F1157	C ErA3 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
204	1	1	F1158	CErA3 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
204	2	1	F1159	C ErA3 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									

EPCS TM PACKETS

204	3	1	F1160	CErA3 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
204	4	1	F1161	CErA3 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
204	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
205	0	8	F1162	C ErA3 NegACKCod	V	n/a			F0078	none
RAW MEANING										
206	0	16	F1163	C CE_IOADDR	V	n/a	0	65535	F0088	none
CURVE										
208	0	16	F1164	C CE_IODATA	V	n/a	0	65535	F0088	none
CURVE										
210	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
210	1	1	F1165	C RecTabDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
210	2	1	F1477	C RecHKDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
210	3	1	F1478	C TransComShowin	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
210	4	1	F1479	C TraTabDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
210	5	1	F1480	C TranHKDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
210	6	1	F1481	C ReceivCommShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
210	7	1	F1482	C HexComDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
211	0	16	F1166	C CE_SSEG	V	n/a	0	65535	none	none
CURVE										
213	0	16	F1167	C CE_DSEG	V	n/a	0	65535	none	none
CURVE										
215	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
216	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
216	2	1	F1168	VCurrentMeasCoSw	V	n/a	0	1	F0142	none
RAW MEANING										

EPCS TM PACKETS

0	Enabled										
1	Disabled										
216	3	1	F1169	VConvSync Switch	V	n/a	0	1	F0143	none	
RAW MEANING											
0	Enabled										
1	Disabled										
216	4	4	F1907	Spare 4 bits	V	n/a	0	15	none	none	
CURVE											
217	0	1	F1170	VAcSTSwitchThPW2	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
217	1	1	F1171	VAcSTSwitchThPW1	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
217	2	1	F1172	V AcSTSwitchFW	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
217	3	1	F1173	V AcSTSwitchHT	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
217	4	1	F1174	V AcSTSwitchQua3	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
217	5	1	F1175	V AcSTSwitchQua2	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
217	6	1	F1176	V AcSTSwitchQua1	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
217	7	1	F1177	V AcSTSwitchQua0	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
218	0	1	F1178	V SwitchThermPW2	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
218	1	1	F1179	V SwitchThermPW1	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
218	2	1	F1180	V Switch FW	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
218	3	1	F1181	V Switch HT	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
218	4	1	F1182	V Switch Qua3	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
218	5	1	F1183	V Switch Qua2	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										

EPCS TM PACKETS

218	6	1	F1184	V Switch Qua1	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
218	7	1	F1185	V Switch Qua0	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
219	0	8	F1186	V VC_TEMP1	V	degC			none	none
CURVE ENG (°C) = RAW*1.73-270										
220	0	8	F1187	V VC_TEMP2	V	V			none	none
CURVE ENG (°C) = RAW*1.73-270										
221	0	8	F1188	V VC_IMAIN	V	mA			none	X5006
CURVE ENG (mA) = RAW*3.617										
222	0	8	F1189	V VC_IQ0	V	mA			none	X5006
CURVE ENG (mA) = RAW*4.0										
223	0	8	F1190	V VC_IQ1	V	mA			none	X5006
CURVE ENG (mA) = RAW*3.777										
224	0	8	F1191	V VC_IQ2	V	mA			none	X5006
CURVE ENG (mA) = RAW*3.273										
225	0	8	F1192	V VC_IQ3	V	mA			none	X5006
CURVE ENG (mA) = RAW*3.491										
226	0	8	F1193	V VC_IHT	V	mA			none	X5006
CURVE ENG (mA) = RAW*5.74+42.778										
227	0	8	F1194	V VC_HV0CTRL	V	n/a	0	255	F0141	none
RAW MEANING										
228	0	8	F1195	V VC_HV1CTRL	V	n/a	0	255	F0141	none
RAW MEANING										
229	0	8	F1196	V VC_HV2CTRL	V	n/a	0	255	F0141	none
RAW MEANING										
230	0	8	F1197	V VC_HV3CTRL	V	n/a	0	255	F0141	none
RAW MEANING										
231	0	16	F1198	V VC_UHV0	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
233	0	16	F1199	V VC_UHV1	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
235	0	16	F1200	V VC_UHV2	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
237	0	16	F1201	V VC_UHV3	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
239	0	8	F1202	V VC_HTCTRL	V	n/a	0	255	F0141	none
CURVE										
240	0	16	F1203	V VC_UHT	V	V	0	40	F0141	none
CURVE ENG (V) = RAW*(-0.10756)+54.532										

EPCS TM PACKETS

242	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
243	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
243	3	1	F1205	EQUCH0 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
243	4	1	F1206	EQUCH0 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
243	5	1	F1207	EQUCH0 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
243	6	1	F1208	EQUCH0 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
243	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
244	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
244	3	1	F1209	EQUCH1 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
244	4	1	F1210	EQUCH1 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
244	5	1	F1211	EQUCH1 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
244	6	1	F1212	EQUCH1 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
244	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
245	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
245	3	1	F1213	EQUCH2 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
245	4	1	F1214	EQUCH2 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
245	5	1	F1215	EQUCH2 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
245	6	1	F1216	EQUCH2 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									

EPCS TM PACKETS

1	On											
245	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none		
RAW MEANING												
246	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none		
RAW MEANING												
246	3	1	F1217	EQUCH3 UVAR Offs	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
246	4	1	F1218	EQUCH3 CCD FFDR	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
246	5	1	F1219	EQUCH3 CCD BIAS	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
246	6	1	F1220	EQUCH3 CCD Power	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
246	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none		
RAW MEANING												
247	0	1	F1221	ECACH0 TstPulse	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Disabled											
1	Enabled											
247	1	1	F1222	ECACH0 TstSwitc3	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
247	2	1	F1223	ECACH0 TstSwitc2	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
247	3	1	F1224	ECACH0 TstSwitc1	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
247	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none		
RAW MEANING												
247	5	1	F1225	ECACH0 GainCame2	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
247	6	1	F1226	ECACH0 GainCame1	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
247	7	1	F1227	ECACH0 GainCame0	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
248	0	1	F1228	ECACH1 TstPulse	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Disabled											
1	Enabled											
248	1	1	F1229	ECACH1 TstSwitc3	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											

EPCS TM PACKETS

248	2	1	F1230	ECACH1 TstSwitc2	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
248	3	1	F1231	ECACH1 TstSwitc1	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
248	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
248	5	1	F1232	ECACH1 GainCame2	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
248	6	1	F1233	ECACH1 GainCame1	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
248	7	1	F1234	ECACH1 GainCame0	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
249	0	1	F1235	E CACH2 TstPulse	V	n/a	0	1	F0162	none
RAW MEANING										
0	Disabled									
1	Enabled									
249	1	1	F1236	ECACH2 TstSwitc3	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
249	2	1	F1237	ECACH2 TstSwitc2	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
249	3	1	F1238	ECACH2 TstSwitc1	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
249	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
249	5	1	F1239	ECACH2 GainCame2	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
249	6	1	F1240	ECACH2 GainCame1	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
249	7	1	F1241	ECACH2 GainCame0	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
250	0	1	F1242	E CACH3 TstPulse	V	n/a	0	1	F0162	none
RAW MEANING										
0	Disabled									
1	Enabled									
250	1	1	F1243	ECACH3 TstSwitc3	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
250	2	1	F1244	ECACH3 TstSwitc2	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									

1	On											
250	3	1	F1245	ECACH3 TstSwitc1	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
250	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none		
RAW MEANING												
250	5	1	F1246	ECACH3 GainCame2	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
250	6	1	F1247	ECACH3 GainCame1	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
250	7	1	F1248	ECACH3 GainCame0	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
251	0	8	F1249	E C0_UVBST	V	V			F0158	none		
CURVE ENG (V) = RAW*(-0.05869)												
252	0	8	F1250	E C1_UVBST	V	V			F0158	none		
CURVE ENG (V) = RAW*(-0.05869)												
253	0	8	F1251	E C2_UVBST	V	V			F0158	none		
CURVE ENG (V) = RAW*(-0.05825)												
254	0	8	F1252	E C3_UVBST	V	V			F0158	none		
CURVE ENG (V) = RAW*(-0.05869)												
255	0	16	F1253	E C0_TEMPCCD	V	mV			none	none		
CURVE ENG (mV) = RAW*(-1.74292)												
257	0	16	F1254	E C1_TEMPCCD	V	mV			none	none		
CURVE ENG (mV) = RAW*(-1.74292)												
259	0	16	F1255	E C2_TEMPCCD	V	mV			none	none		
CURVE ENG (mV) = RAW*(-1.74292)												
261	0	16	F1256	E C3_TEMPCCD	V	mV			none	none		
CURVE ENG (mV) = RAW*(-1.74292)												
263	0	8	F1257	E C0_IVSSA	V	mA			none	none		
CURVE ENG (mA) = RAW*0.29851												
264	0	8	F1258	E C1_IVSSA	V	mA			none	none		
CURVE ENG (mA) = RAW*0.29851												
265	0	8	F1259	E C2_IVSSA	V	mA			none	none		
CURVE ENG (mA) = RAW*0.298214												
266	0	8	F1260	E C3_IVSSA	V	mA			none	none		
CURVE ENG (mA) = RAW*0.29851												
267	0	8	F1261	E C0_IVSSSA	V	mA			none	none		
CURVE ENG (mA) = RAW*0.29851												
268	0	8	F1262	E C1_IVSSSA	V	mA			none	none		
CURVE ENG (mA) = RAW*0.29851												
269	0	8	F1263	E C2_IVSSSA	V	mA			none	none		
CURVE ENG (mA) = RAW*0.298214												

EPCS TM PACKETS

270	0	8	F1264	E C3_IVSSSA	V	mA				none	none
CURVE	ENG (mA) = RAW*0.29851										
271	0	8	F1906	Spare 1 byte	V	n/a	0	255		none	none
CURVE											
272	0	16	F1265	H OH_CTRL	V	n/a				F0132	none
CURVE											
274	0	16	F1266	H OH_STAT	V	n/a				F0133	none
CURVE											
276	0	16	F1267	H OH_TEMP	V	n/a				F0131	none
CURVE											
278	0	16	F1268	H DH_CTRL	V	n/a				F0135	none
CURVE											
280	0	16	F1269	H DH_STAT	V	n/a				F0136	none
CURVE											
282	0	16	F1270	H DH_TEMP	V	n/a				F0134	none
CURVE											
284	0	8	F1271	V VC_IFW	V	mA				none	X5006
CURVE	ENG (mA) = RAW*4.082										
285	0	8	F1272	V VC_IT	V	mA				none	X5006
CURVE	ENG (mA) = RAW*6.818										
286	0	8	F1273	C CE_ERR1	V	n/a				F0078	none
RAW MEANING											
287	0	8	F1274	C CE_ERR2	V	n/a				F0078	none
RAW MEANING											
288	0	8	F1275	C CE_ERR3	V	n/a				F0078	none
RAW MEANING											
289	0	8	F1276	C CE_ERR4	V	n/a				F0078	none
RAW MEANING											
290	0	8	F1277	C CE_ERR5	V	n/a				F0078	none
RAW MEANING											
291	0	8	F1278	C CE_ERR6	V	n/a				F0078	none
RAW MEANING											
292	0	8	F1279	C CE_ERR7	V	n/a				F0078	none
RAW MEANING											
293	0	8	F1280	C CE_ERR8	V	n/a				F0078	none
RAW MEANING											
294	0	8	F1281	C CE_ERR9	V	n/a				F0078	none
RAW MEANING											
295	0	8	F1282	C CE_ERR10	V	n/a				F0078	none
RAW MEANING											
296	0	8	F1283	C CE_ERR11	V	n/a				F0078	none
RAW MEANING											
297	0	8	F1284	C CE_ERR12	V	n/a				F0078	none
RAW MEANING											

EPCS TM PACKETS

298	0	8	F1285	C CE_ERR13	V	n/a			F0078	none
RAW MEANING										
299	0	8	F1286	C CE_ERR14	V	n/a			F0078	none
RAW MEANING										
300	0	8	F1287	C CE_ERR15	V	n/a			F0078	none
RAW MEANING										
301	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
305	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
309	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
309	6	1	F1288	C MasterSeqClock	V	n/a	0	1	F0093	none
RAW MEANING										
0	Disabled									
1	Enabled									
309	7	1	F1289	C Select ReadQua	V	n/a	0	1	F0093	none
RAW MEANING										
0	Parallel									
1	Sequential									
310	0	1	F1290	CMS QuaSelected3	V	n/a	0	1	F0093	none
RAW MEANING										
0	Off									
1	On									
310	1	1	F1291	CMS QuaSelected2	V	n/a	0	1	F0093	none
RAW MEANING										
0	Off									
1	On									
310	2	1	F1292	CMS QuaSelected1	V	n/a	0	1	F0093	none
RAW MEANING										
0	Off									
1	On									
310	3	1	F1293	CMS QuaSelected0	V	n/a	0	1	F0093	none
RAW MEANING										
0	Off									
1	On									
310	4	4	F1294	CMS TimIntReaQua	V	n/a			F0093	none
CURVE										
311	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
315	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
317	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
317	6	1	F1295	A0 CPU MedianCor	V	n/a	0	1	F0122	none
RAW MEANING										
0	ON									
1	OFF									
317	7	1	F1296	A0 CPU PMODE	V	n/a	0	1	F0105	none
RAW MEANING										
0	Idle									
1	Send									
318	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										

EPCS TM PACKETS

318	1	1	F1297	A0 EPEA mode	V	n/a	0	1	F0105	none
RAW MEANING										
0	Nominal									
1	Debug									
318	2	1	F1298	A0 Memory Modify	V	n/a	0	1	F0183	X5002
RAW MEANING										
0	One time									
1	Continuously									
318	3	1	F1299	A0 Memo Mod Auto	V	n/a	0	1	F0183	none
RAW MEANING										
0	Off									
1	On									
318	4	1	F1300	A0 EAB/EAWPUTVeR	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									
318	5	1	F1301	A0 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none
RAW MEANING										
0	Enabled									
1	Disabled									
318	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
318	7	1	F1334	A0 MEMCHK active	V	n/a	0	1	F0068	none
RAW MEANING										
0	Not Active									
1	Active									
319	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
319	2	1	F1302	A0 EARAMCHK Stat	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Active									
1	Active									
319	3	1	F1303	A0 MemUplinkStat	V	n/a	0	1	F0094	none
RAW MEANING										
0	Not Active									
1	Active									
319	4	1	F1304	A0 IntVecMemTest	V	n/a	0	1	none	X5016
RAW MEANING										
0	Passed									
1	Failed									
319	5	1	F1305	A0 MemBank2Test	V	n/a	0	1	none	X5016
RAW MEANING										
0	Passed									
1	Failed									
319	6	1	F1306	A0 MemBank1Test	V	n/a	0	1	none	X5016
RAW MEANING										
0	Passed									
1	Failed									
319	7	1	F1307	A0 MemBank0Test	V	n/a	0	1	none	X5016
RAW MEANING										
0	Passed									
1	Failed									
320	0	8	F1308	A0_CMOTAB	V	n/a	0	255	none	none
RAW MEANING										
321	0	8	F1309	A0_ERRCNT	V	n/a	0	255	F0103	none
CURVE										
322	0	8	F1310	A0_LASTERR	V	n/a			F0103	none
RAW MEANING										

EPCS TM PACKETS

323	0	8	F1311	A0_CMDCNT	V	n/a	0	255	none	none
CURVE										
324	0	8	F1312	A0_CMDCNTR	V	n/a	0	255	none	none
CURVE										
325	0	8	F1313	A0_CMDREJ	V	n/a	0	255	F0103	none
CURVE										
326	0	16	F1315	A0_BYTEREC	V	n/a	0	65535	none	none
CURVE										
328	0	16	F1316	A0_ADDRS	V	n/a	0	65535	F0099	none
CURVE										
330	0	16	F1317	A0_ADDRO	V	n/a	0	65535	F0099	none
CURVE										
332	0	16	F1318	A0_DATA	V	n/a	0	65535	F0099	none
CURVE										
334	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none
CURVE										
334	5	1	F1484	A0 CCD 2 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
334	6	1	F1483	A0 CCD 1 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
334	7	1	F1319	A0 CCD 0 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
335	0	16	F1320	A0_SECCNT	V	n/a	0	65535	none	none
CURVE										
337	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
337	4	1	F1321	A0 IllgCPUInterr	V	n/a	0	1	F0103	none
RAW MEANING										
0	Not Received									
1	Received									
337	5	1	F1322	A0 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
337	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
338	0	8	F1323	A0_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
339	0	16	F1324	A0_MUPLS	V	n/a	0	65535	F0094	none
CURVE										
341	0	16	F1325	A0_MUPLO	V	n/a	0	65535	F0094	none
CURVE										

EPCS TM PACKETS

343	0	8	F1326	A0_MUPLL	V	n/a	0	232	F0094	none
CURVE										
344	0	16	F1327	A0_ATHRC	V	n/a	0	65535	none	none
CURVE										
346	0	16	F1328	A0_FIFRC	V	n/a	0	65535	none	none
CURVE										
348	0	16	F1329	A0_EPDHC	V	n/a	0	65535	none	none
CURVE										
350	0	16	F1330	A0_DSLINC	V	n/a	0	65535	none	none
CURVE										
352	0	16	F1331	A0_MCM	V	n/a	0	4095	none	none
CURVE										
354	0	16	F1332	A0_IOADDR	V	n/a	0	65535	F0099	none
CURVE										
356	0	16	F1333	A0_IODATA	V	n/a	0	65535	F0099	none
CURVE										
358	0	8	F1314	A0_LASTCMD	V	n/a			none	none
RAW MEANING										
359	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
361	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
362	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
362	1	1	F1335	A0H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
362	2	1	F1336	A0H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
362	3	1	F1337	A0H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
362	4	1	F1338	A0H ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
362	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
363	0	8	F1339	A0H NegACKErCod	V	n/a			none	none
RAW MEANING										
364	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
365	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										

EPCS TM PACKETS

365	6	1	F1340	A1 CPU MedianCor	V	n/a	0	1	F0122	none
RAW MEANING										
0	ON									
1	OFF									
365	7	1	F1341	A1 CPU PMODE	V	n/a	0	1	F0105	none
RAW MEANING										
0	Idle									
1	Send									
366	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
366	1	1	F1342	A1 EPEA mode	V	n/a	0	1	F0105	none
RAW MEANING										
0	Nominal									
1	Debug									
366	2	1	F1343	A1 Memory Modify	V	n/a	0	1	F0183	X5003
RAW MEANING										
0	One time									
1	Continuously									
366	3	1	F1344	A1 Memo Mod Auto	V	n/a	0	1	F0183	none
RAW MEANING										
0	Off									
1	On									
366	4	1	F1345	A1 EAB/EAWPUTVeR	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									
366	5	1	F1346	A1 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none
RAW MEANING										
0	Enabled									
1	Disabled									
366	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
366	7	1	F1379	A1 MEMCHK active	V	n/a	0	1	F0170	none
RAW MEANING										
0	Not Active									
1	Active									
367	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
367	2	1	F1347	A1 EARAMCHK Stat	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Active									
1	Active									
367	3	1	F1348	A1 MemUplinkStat	V	n/a	0	1	F0094	none
RAW MEANING										
0	Not Active									
1	Active									
367	4	1	F1349	A1 IntVecMemTest	V	n/a	0	1	none	X5017
RAW MEANING										
0	Passed									
1	Failed									
367	5	1	F1350	A1 MemBank2Test	V	n/a	0	1	none	X5017
RAW MEANING										
0	Passed									
1	Failed									
367	6	1	F1351	A1 MemBank1Test	V	n/a	0	1	none	X5017
RAW MEANING										
0	Passed									
1	Failed									
367	7	1	F1352	A1 MemBank0Test	V	n/a	0	1	none	X5017
RAW MEANING										
0	Passed									
1	Failed									

EPCS TM PACKETS

368	0	8	F1353	A1_CMOTAB	V	n/a	0	255	none	none
RAW MEANING										
369	0	8	F1354	A1_ERRCNT	V	n/a	0	255	F0103	none
CURVE										
370	0	8	F1355	A1_LASTERR	V	n/a			F0103	none
RAW MEANING										
371	0	8	F1356	A1_CMDCNT	V	n/a	0	255	none	none
CURVE										
372	0	8	F1357	A1_CMDCNTR	V	n/a	0	255	none	none
CURVE										
373	0	8	F1358	A1_CMDREJ	V	n/a	0	255	F0103	none
CURVE										
374	0	16	F1360	A1_BYTEREC	V	n/a	0	65535	none	none
CURVE										
376	0	16	F1361	A1_ADDRS	V	n/a	0	65535	F0099	none
CURVE										
378	0	16	F1362	A1_ADDRO	V	n/a	0	65535	F0099	none
CURVE										
380	0	16	F1363	A1_DATA	V	n/a	0	65535	F0099	none
CURVE										
382	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none
CURVE										
382	5	1	F1486	A1 CCD 2 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
382	6	1	F1485	A1 CCD 1 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
382	7	1	F1364	A1 CCD 0 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
383	0	16	F1365	A1_SECCNT	V	n/a	0	65535	none	none
CURVE										
385	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
385	4	1	F1366	A1 IllgCPUInterr	V	n/a	0	1	F0103	none
RAW MEANING										
0	Not Received									
1	Received									
385	5	1	F1367	A1 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
385	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
386	0	8	F1368	A1_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									

EPCS TM PACKETS

1	Send										
2	Debug										
387	0	16	F1369	A1_MUPLS	V	n/a	0	65535	F0094	none	
CURVE											
389	0	16	F1370	A1_MUPLO	V	n/a	0	65535	F0094	none	
CURVE											
391	0	8	F1371	A1_MUPLL	V	n/a	0	232	F0094	none	
CURVE											
392	0	16	F1372	A1_ATHRC	V	n/a	0	65535	none	none	
CURVE											
394	0	16	F1373	A1_FIFRC	V	n/a	0	65535	none	none	
CURVE											
396	0	16	F1374	A1_EPDHC	V	n/a	0	65535	none	none	
CURVE											
398	0	16	F1375	A1_DSLINC	V	n/a	0	65535	none	none	
CURVE											
400	0	16	F1376	A1_MCM	V	n/a	0	4095	none	none	
CURVE											
402	0	16	F1377	A1_IOADDR	V	n/a	0	65535	F0099	none	
CURVE											
404	0	16	F1378	A1_IODATA	V	n/a	0	65535	F0099	none	
CURVE											
406	0	8	F1359	A1_LASTCMD	V	n/a			none	none	
RAW MEANING											
407	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none	
CURVE											
409	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none	
CURVE											
410	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
410	1	1	F1380	A1H Rec Data Cks	V	n/a	0	1	none	none	
RAW MEANING											
0	No Error										
1	Error										
410	2	1	F1381	A1H Transmit ST	V	n/a	0	1	none	none	
RAW MEANING											
0	No Error										
1	Error										
410	3	1	F1382	A1H AckTimeOutSt	V	n/a	0	1	none	none	
RAW MEANING											
0	No Error										
1	Error										
410	4	1	F1383	A1H ACK Status	V	n/a	0	1	none	none	
RAW MEANING											
0	No Error										
1	Error										
410	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none	
RAW MEANING											
411	0	8	F1384	A1H NegACKErCod	V	n/a			none	none	
RAW MEANING											

EPCS TM PACKETS

412	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
416	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
417	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
417	6	1	F1385	A2 CPU MedianCor	V	n/a	0	1	F0122	none
RAW MEANING										
0	ON									
1	OFF									
417	7	1	F1386	A2 CPU PMODE	V	n/a	0	1	F0105	none
RAW MEANING										
0	Idle									
1	Send									
418	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
418	1	1	F1387	A2 EPEA mode	V	n/a	0	1	F0105	none
RAW MEANING										
0	Nominal									
1	Debug									
418	2	1	F1388	A2 Memory Modify	V	n/a	0	1	F0183	X5004
RAW MEANING										
0	One time									
1	Continuously									
418	3	1	F1389	A2 Memo Mod Auto	V	n/a	0	1	F0183	none
RAW MEANING										
0	Off									
1	On									
418	4	1	F1390	A2 EAB/EAWPUTVeR	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									
418	5	1	F1391	A2 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none
RAW MEANING										
0	Enabled									
1	Disabled									
418	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
418	7	1	F1424	A2 MEMCHK active	V	n/a	0	1	F0172	none
RAW MEANING										
0	Not Active									
1	Active									
419	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
419	2	1	F1392	A2 EARAMCHK Stat	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Active									
1	Active									
419	3	1	F1393	A2 MemUplinkStat	V	n/a	0	1	F0094	none
RAW MEANING										
0	Not Active									
1	Active									
419	4	1	F1394	A2 IntVecMemTest	V	n/a	0	1	none	X5018
RAW MEANING										
0	Passed									
1	Failed									
419	5	1	F1395	A2 MemBank2Test	V	n/a	0	1	none	X5018
RAW MEANING										

EPCS TM PACKETS

0	Passed											
1	Failed											
419	6	1	F1396	A2 MemBank1Test	V	n/a	0	1	none	X5018		
RAW MEANING												
0	Passed											
1	Failed											
419	7	1	F1397	A2 MemBank0Test	V	n/a	0	1	none	X5018		
RAW MEANING												
0	Passed											
1	Failed											
420	0	8	F1398	A2_CMOTAB	V	n/a	0	255	none	none		
RAW MEANING												
421	0	8	F1399	A2_ERRCNT	V	n/a	0	255	F0103	none		
CURVE												
422	0	8	F1400	A2_LASTERR	V	n/a			F0103	none		
RAW MEANING												
423	0	8	F1401	A2_CMDCNT	V	n/a	0	255	none	none		
CURVE												
424	0	8	F1402	A2_CMDCNTR	V	n/a	0	255	none	none		
CURVE												
425	0	8	F1403	A2_CMDREJ	V	n/a	0	255	F0103	none		
CURVE												
426	0	16	F1405	A2_BYTEREC	V	n/a	0	65535	none	none		
CURVE												
428	0	16	F1406	A2_ADDRS	V	n/a	0	65535	F0099	none		
CURVE												
430	0	16	F1407	A2_ADDRO	V	n/a	0	65535	F0099	none		
CURVE												
432	0	16	F1408	A2_DATA	V	n/a	0	65535	F0099	none		
CURVE												
434	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none		
CURVE												
434	5	1	F1488	A2 CCD 2 SwiStat	V	n/a	0	1	F0113	none		
RAW MEANING												
0	Off											
1	On											
434	6	1	F1487	A2 CCD 1 SwiStat	V	n/a	0	1	F0113	none		
RAW MEANING												
0	Off											
1	On											
434	7	1	F1409	A2 CCD 0 SwiStat	V	n/a	0	1	F0113	none		
RAW MEANING												
0	Off											
1	On											
435	0	16	F1410	A2_SECCNT	V	n/a	0	65535	none	none		
CURVE												
437	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none		
CURVE												
437	4	1	F1411	A2 IllgCPUInterr	V	n/a	0	1	F0103	none		
RAW MEANING												
0	Not Received											
1	Received											

EPCS TM PACKETS

437	5	1	F1412	A2 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
437	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
438	0	8	F1413	A2_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
439	0	16	F1414	A2_MUPLS	V	n/a	0	65536	F0094	none
CURVE										
441	0	16	F1415	A2_MUPLO	V	n/a	0	65535	F0094	none
CURVE										
443	0	8	F1416	A2_MUPLL	V	n/a	0	232	F0094	none
CURVE										
444	0	16	F1417	A2_ATHRC	V	n/a	0	65535	none	none
CURVE										
446	0	16	F1418	A2_FIFRC	V	n/a	0	65535	none	none
CURVE										
448	0	16	F1419	A2_EPDHC	V	n/a	0	65535	none	none
CURVE										
450	0	16	F1420	A2_DSLINC	V	n/a	0	65535	none	none
CURVE										
452	0	16	F1421	A2_MCM	V	n/a	0	4095	none	none
CURVE										
454	0	16	F1422	A2_IOADDR	V	n/a	0	65535	F0099	none
CURVE										
456	0	16	F1423	A2_IODATA	V	n/a	0	65535	F0099	none
CURVE										
458	0	8	F1404	A2_LASTCMD	V	n/a			none	none
RAW MEANING										
459	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
461	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
462	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
462	1	1	F1425	A2H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
462	2	1	F1426	A2H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
462	3	1	F1427	A2H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									

EPCS TM PACKETS

1	Error										
462	4	1	F1428	A2H ACK Status	V	n/a	0	1	none	none	
RAW MEANING											
0	No Error										
1	Error										
462	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none	
RAW MEANING											
463	0	8	F1429	A2H NegACKErCod	V	n/a			none	none	
RAW MEANING											
464	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none	
CURVE											
465	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none	
CURVE											
465	6	1	F1430	A3 CPU MedianCor	V	n/a	0	1	F0122	none	
RAW MEANING											
0	ON										
1	OFF										
465	7	1	F1431	A3 CPU PMODE	V	n/a	0	1	F0105	none	
RAW MEANING											
0	Idle										
1	Send										
466	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
466	1	1	F1432	A3 EPEA mode	V	n/a	0	1	F0105	none	
RAW MEANING											
0	Nominal										
1	Debug										
466	2	1	F1433	A3 Memory Modify	V	n/a	0	1	F0183	X5005	
RAW MEANING											
0	One time										
1	Continuously										
466	3	1	F1434	A3 Memo Mod Auto	V	n/a	0	1	F0183	none	
RAW MEANING											
0	Off										
1	On										
466	4	1	F1435	A3 EAB/EAWPUTVeR	V	n/a	0	1	none	none	
RAW MEANING											
0	Passed										
1	Failed										
466	5	1	F1436	A3 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none	
RAW MEANING											
0	Enabled										
1	Disabled										
466	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
466	7	1	F1469	A3 MEMCHK active	V	n/a	0	1	F0174	none	
RAW MEANING											
0	Not Active										
1	Active										
467	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none	
RAW MEANING											
467	2	1	F1437	A3 EARAMCHK Sta	V	n/a	0	1	F0175	none	
RAW MEANING											
0	Not Active										
1	Active										
467	3	1	F1438	A3 MemUplink St	V	n/a	0	1	F0094	none	
RAW MEANING											
0	Not Active										

EPCS TM PACKETS

1	Active										
467	4	1	F1439	A3 IntVecMemTest	V	n/a	0	1	none	X5019	
RAW MEANING											
0	Passed										
1	Failed										
467	5	1	F1440	A3 MemBank2Test	V	n/a	0	1	none	X5019	
RAW MEANING											
0	Passed										
1	Failed										
467	6	1	F1441	A3 MemBank1Test	V	n/a	0	1	none	X5019	
RAW MEANING											
0	Passed										
1	Failed										
467	7	1	F1442	A3 MemBank0Test	V	n/a	0	1	none	X5019	
RAW MEANING											
0	Passed										
1	Failed										
468	0	8	F1443	A3_CMOTAB	V	n/a	0	255	none	none	
RAW MEANING											
469	0	8	F1444	A3_ERRCNT	V	n/a	0	255	F0103	none	
CURVE											
470	0	8	F1445	A3_LASTERR	V	n/a			F0103	none	
RAW MEANING											
471	0	8	F1446	A3_CMDCNT	V	n/a	0	255	none	none	
CURVE											
472	0	8	F1447	A3_CMDCNTR	V	n/a	0	255	none	none	
CURVE											
473	0	8	F1448	A3_CMDREJ	V	n/a	0	255	F0103	none	
CURVE											
474	0	16	F1450	A3_BYTEREC	V	n/a	0	65535	none	none	
CURVE											
476	0	16	F1451	A3_ADDRS	V	n/a	0	65535	F0099	none	
CURVE											
478	0	16	F1452	A3_ADDRO	V	n/a	0	65535	F0099	none	
CURVE											
480	0	16	F1453	A3_DATA	V	n/a	0	65535	F0099	none	
CURVE											
482	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none	
CURVE											
482	5	1	F1490	A3 CCD 2 SwiStat	V	n/a	0	1	F0113	none	
RAW MEANING											
0	Off										
1	On										
482	6	1	F1489	A3 CCD 1 SwiStat	V	n/a	0	1	F0113	none	
RAW MEANING											
0	Off										
1	On										
482	7	1	F1454	A3 CCD 0 SwiStat	V	n/a	0	1	F0113	none	
RAW MEANING											
0	Off										
1	On										
483	0	16	F1455	A3_SECCNT	V	n/a	0	65535	none	none	
CURVE											

EPCS TM PACKETS

485	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
485	4	1	F1456	A3 IllgCPUInterr	V	n/a	0	1	F0103	none
RAW MEANING										
0	Not Received									
1	Received									
485	5	1	F1457	A3 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
485	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
486	0	8	F1458	A3_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
487	0	16	F1459	A3_MUPLS	V	n/a	0	65535	F0094	none
CURVE										
489	0	16	F1460	A3_MUPLO	V	n/a	0	65535	F0094	none
CURVE										
491	0	8	F1461	A3_MUPLL	V	n/a	0	232	F0094	none
CURVE										
492	0	16	F1462	A3_ATHRC	V	n/a	0	65535	none	none
CURVE										
494	0	16	F1463	A3_FIFRC	V	n/a	0	65535	none	none
CURVE										
496	0	16	F1464	A3_EPDBC	V	n/a	0	65535	none	none
CURVE										
498	0	16	F1465	A3_DSLINC	V	n/a	0	65535	none	none
CURVE										
500	0	16	F1466	A3_MCM	V	n/a	0	4095	none	none
CURVE										
502	0	16	F1467	A3_IOADDR	V	n/a	0	65535	F0099	none
CURVE										
504	0	16	F1468	A3_IODATA	V	n/a	0	65535	F0099	none
CURVE										
506	0	8	F1449	A3_LASTCMD	V	n/a			none	none
RAW MEANING										
507	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
509	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
510	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
510	1	1	F1470	A3H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									

EPCS TM PACKETS

EPIC-EST-TN-005 I.3

Appendix M

510	2	1	F1471	A3H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
510	3	1	F1472	A3H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
510	4	1	F1473	A3H ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
510	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
511	0	8	F1474	A3H NegACKErCod	V	n/a			none	none
RAW MEANING										
512	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50002	1792	AdditionalPeriodicHK	1	1	11	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 7: 0B00

Bit	Width	Name	F/V	Value
0	8	SID	F	11
8	8	Spare	F	0

Offset Word 1: variable

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

Offset Word 2: variable

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

Offset Word 3: 0311

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	8	F1501	A0_CMOFFSS	V	n/a		0	199		F0005	none
CURVE												
17	0	8	F1502	A0_CMOFFSE	V	n/a		0	199		F0005	none
CURVE												
18	0	8	F1503	A0_CMADDO1 CCD	V	n/a		0	2		F0180	none
CURVE												
19	0	8	F1504	A0_CMADDO1 COL	V	n/a		0	63		F0180	none
CURVE												
20	0	16	F1505	A0_CMADDO2	V	n/a					F0180	none
CURVE												
22	0	8	F1506	A0_WBOOTS	V	n/a						none
CURVE												none
23	0	8	F1507	A0_WDOGCNT	V	n/a						none
CURVE												none
24	0	16	F1508	A0_MEMCHKSS	V	n/a					F0068	none
CURVE												none
26	0	16	F1509	A0_MEMCHKSO	V	n/a					F0068	none
CURVE												none

EPCS TM PACKETS

28	0	16	F1510	A0_MEMCHKL	V	n/a			F0068	none
CURVE										
30	0	16	F1511	A0_MEMCHK	V	n/a			F0068	none
CURVE										
32	0	16	F1512	A0_RAMCHKSS	V	n/a			F0175	none
CURVE										
34	0	16	F1513	A0_RAMCHKSO	V	n/a			F0175	none
CURVE										
36	0	16	F1514	A0_RAMCHKL	V	n/a			F0175	none
CURVE										
38	0	16	F1515	A0_CMLOTH0	V	n/a			F0109	none
CURVE										
40	0	16	F1516	A0_CMLOTH1	V	n/a			F0109	none
CURVE										
42	0	16	F1517	A0_CMLOTH2	V	n/a			F0109	none
CURVE										
44	0	8	F1518	A0_MIPREJ0	V	n/a			none	none
CURVE										
45	0	8	F1519	A0_MIPREJ1	V	n/a			none	none
CURVE										
46	0	8	F1520	A0_MIPREJ2	V	n/a			none	none
CURVE										
47	0	8	F1521	A0_LCHIP	V	n/a	0	2	F0118	none
CURVE										
48	0	8	F1522	A0_LLINE	V	n/a	0	199	F0118	none
CURVE										
49	0	8	F1523	A0_UCHIP	V	n/a	0	2	F0118	none
CURVE										
50	0	8	F1524	A0_ULINE	V	n/a	0	199	F0118	none
CURVE										
51	0	16	F1525	A0_CMCORR	V	n/a			F0108	none
CURVE										
53	0	16	F1526	A0_CMDEVL	V	n/a			F0110	none
CURVE										
55	0	16	F1527	A0_CMDEVH	V	n/a			F0110	none
CURVE										
57	0	4	F1528	A0_CMLINEPixSet	V	n/a	0	1	F0120	none
RAW MEANING										
0	Good									
1	Bad									
57	4	4	F1529	A0_CMLINE CCD	V	n/a	0	2	F0120	none
CURVE										
58	0	8	F1530	A0_CMLINE Numb	V	n/a	0	199	F0120	none
CURVE										

EPCS TM PACKETS

59	0	4	F1531	A0_CMCOL PixSet	V	n/a	0	1	F0121	none
RAW MEANING										
0	Good									
1	Bad									
59	4	4	F1532	A0_CMCOL CCD	V	n/a	0	2	F0121	none
CURVE										
60	0	8	F1533	A0_CMCOL Numb	V	n/a	0	63	F0121	none
CURVE										
61	0	8	F1534	A0_CHOP	V	n/a	0	31	F0111	none
CURVE										
62	0	8	F1535	A0_SENDDMODE	V	n/a	16	18	F0116	none
RAW MEANING										
16	MIP correc.1									
17	MIP correc.2									
18	No MIP corr.									
63	0	8	F1536	A0_EAMIPSEL	V	n/a	0	100	F0117	none
CURVE										
64	0	16	F1537	A0_COUNT	V	n/a			F0074	none
CURVE										
66	0	8	F1538	A0_MAXFRC	V	n/a			F0176	none
CURVE										
67	0	8	F1539	A0_RDMODE	V	n/a	32	36	F0114	none
RAW MEANING										
32	Full Frame									
33	Small Window									
34	Large Window									
35	Timing									
36	Burst									
68	0	16	F1540	A0_SSEG	V	n/a			none	none
CURVE										
70	0	16	F1541	A0_DSEG	V	n/a			none	none
CURVE										
72	0	16	F1579	A0 MIP Threshold	V	n/a			F0195	none
CURVE										
74	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
78	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
78	1	1	F1542	A0L RecData Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
78	2	1	F1543	A0L Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
78	3	1	F1544	A0L ACKTimeO ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
78	4	1	F1545	A0L ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									

EPCS TM PACKETS

78	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
79	0	8	F1546	A0L NegACKErCod	V	n/a			none	none
RAW MEANING										
80	0	8	F1547	E C0_UAMOS_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14315)										
81	0	8	F1548	E C0_UAMOS_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14315)										
82	0	8	F1549	E C0_UPHI_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14342)										
83	0	8	F1550	E C0_UPHI_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14262)										
84	0	8	F1551	E C0_UFLSH_H	V	V			F0158	none
CURVE ENG (V) = RAW*0.06827										
85	0	8	F1552	E C0_UFLSH_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.10271)										
86	0	8	F1553	E C0_RFGA_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.06684)										
87	0	8	F1554	E C0_RFGA_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.0667)										
88	0	8	F1555	E C0_U+BIAS	V	V			none	none
CURVE ENG (V) = RAW*(0.06683)										
89	0	8	F1556	E C0_U-BIAS	V	V			none	none
CURVE ENG (V) = RAW*(-0.12831)										
90	0	8	F1557	E C0_UCMXVDD	V	V			none	none
CURVE ENG (V) = RAW*0.03229										
91	0	8	F1558	E C0_UCMXVSS	V	V			none	none
CURVE ENG (V) = RAW*(-0.03221)										
92	0	8	F1559	E C0_U+15	V	V			none	none
CURVE ENG (V) = RAW*0.10667										
93	0	8	F1560	E C0_U-15	V	V			none	none
CURVE ENG (V) = RAW*(-0.10667)										
94	0	8	F1561	E C0_U-35	V	V			none	none
CURVE ENG (V) = RAW*(-0.23567)										
95	0	8	F1562	E C0_UVDD	V	V			none	none
CURVE ENG (V) = RAW*0.03548										
96	0	8	F1563	E C0_UVDDA	V	V			none	none
CURVE ENG (V) = RAW*0.04281										
97	0	8	F1564	E C0_UVSSA	V	V			none	none
CURVE ENG (V) = RAW*(-0.04281)										
98	0	8	F1565	E C0_UDGND	V	V			none	none
CURVE ENG (V) = RAW*0.01954-2.5										
99	0	8	F1566	E C0_IVDDA	V	mA			none	none
CURVE ENG (mA) = RAW*0.29851										

EPCS TM PACKETS

100	0	8	F1567	E C0_I+15	V	mA			none	none
CURVE	ENG (mA) = RAW*0.24242-4.3									
101	0	8	F1568	E C0_I-15	V	mA			none	none
CURVE	ENG (mA) = RAW*0.23256-4.651									
102	0	8	F1569	E C0_IVDD_D	V	mA			none	none
CURVE	ENG (mA) = RAW*0.03067									
103	0	8	F1570	E C0_IIS	V	n/a			none	none
CURVE	ENG (microA) = RAW*0.34843-44.5993									
104	0	8	F1571	E C0_IGRA0	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.16279-151.163									
105	0	8	F1572	E C0_IGRA1	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.15607-150.289									
106	0	8	F1573	E C0_IGRA2	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.15942-150.145									
107	0	8	F1574	E C0_TEMPEA1	V	degC			none	none
CURVE	ENG (°C) = RAW*1.63934-273									
108	0	8	F1575	E C0_TEMPEA2	V	degC			none	none
CURVE	ENG (°C) = RAW*1.63934-273									
109	0	8	F1576	E C0_TEMPQB1	V	degC			none	none
CURVE	ENG (°C) = RAW*1.62162-273									
110	0	8	F1577	E C0_TEMPQB2	V	degC			none	none
CURVE	ENG (°C) = RAW*1.63043-273									
111	0	8	F1578	E C0_I-35	V	mA			none	none
CURVE	ENG (mA) = RAW*0.23809-11.547									
112	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
116	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
120	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
122	0	8	F1601	A1_CMOFFSS	V	n/a	0	199	F0005	none
CURVE										
123	0	8	F1602	A1_CMOFFSE	V	n/a	0	199	F0005	none
CURVE										
124	0	8	F1603	A1_CMADDO1 CCD	V	n/a	0	2	F0180	none
CURVE										
125	0	8	F1604	A1_CMADDO1 COL	V	n/a	0	63	F0180	none
CURVE										
126	0	16	F1605	A1_CMADDO2	V	n/a			F0180	none
CURVE										
128	0	8	F1606	A1_WBOOTS	V	n/a			none	none
CURVE										

EPCS TM PACKETS

129	0	8	F1607	A1_WDOGCNT	V	n/a			none	none
CURVE										
130	0	16	F1608	A1_MEMCHKSS	V	n/a			F0170	none
CURVE										
132	0	16	F1609	A1_MEMCHKSO	V	n/a			F0170	none
CURVE										
134	0	16	F1610	A1_MEMCHKL	V	n/a			F0170	none
CURVE										
136	0	16	F1611	A1_MEMCHK	V	n/a			F0170	none
CURVE										
138	0	16	F1612	A1_RAMCHKSS	V	n/a			F0175	none
CURVE										
140	0	16	F1613	A1_RAMCHKSO	V	n/a			F0175	none
CURVE										
142	0	16	F1614	A1_RAMCHKL	V	n/a			F0175	none
CURVE										
144	0	16	F1615	A1_CMLOTH0	V	n/a			F0109	none
CURVE										
146	0	16	F1616	A1_CMLOTH1	V	n/a			F0109	none
CURVE										
148	0	16	F1617	A1_CMLOTH2	V	n/a			F0109	none
CURVE										
150	0	8	F1618	A1_MIPREJ0	V	n/a			none	none
CURVE										
151	0	8	F1619	A1_MIPREJ1	V	n/a			none	none
CURVE										
152	0	8	F1620	A1_MIPREJ2	V	n/a			none	none
CURVE										
153	0	8	F1621	A1_LCHIP	V	n/a	0	2	F0118	none
CURVE										
154	0	8	F1622	A1_LLINE	V	n/a	0	199	F0118	none
CURVE										
155	0	8	F1623	A1_UCHIP	V	n/a	0	2	F0118	none
CURVE										
156	0	8	F1624	A1_ULINE	V	n/a	0	199	F0118	none
CURVE										
157	0	16	F1625	A1_CMCORR	V	n/a			F0108	none
CURVE										
159	0	16	F1626	A1_CMDEVL	V	n/a			F0110	none
CURVE										
161	0	16	F1627	A1_CMDEVH	V	n/a			F0110	none
CURVE										
163	0	4	F1628	A1_CMLINEPixSet	V	n/a	0	1	F0120	none
RAW MEANING										

EPCS TM PACKETS

0	Good											
1	Bad											
163	4	4	F1629	A1_CMLINE CCD	V	n/a	0	2	F0120	none		
CURVE												
164	0	8	F1630	A1_CMLINE Numb	V	n/a	0	199	F0120	none		
CURVE												
165	0	4	F1631	A1_CMCOL PixSet	V	n/a	0	1	F0121	none		
RAW MEANING												
0	Good											
1	Bad											
165	4	4	F1632	A1_CMCOL CCD	V	n/a	0	2	F0121	none		
CURVE												
166	0	8	F1633	A1_CMCOL Numb	V	n/a	0	63	F0121	none		
CURVE												
167	0	8	F1634	A1_CHOP	V	n/a	0	31	F0111	none		
CURVE												
168	0	8	F1635	A1_SENDDMODE	V	n/a	16	18	F0116	none		
RAW MEANING												
16	MIP correc.1											
17	MIP correc.2											
18	No MIP corr.											
169	0	8	F1636	A1_EAMIPSEL	V	n/a	0	100	F0117	none		
CURVE												
170	0	16	F1637	A1_COUNT	V	n/a			F0074	none		
CURVE												
172	0	8	F1638	A1_MAXFRC	V	n/a			F0176	none		
CURVE												
173	0	8	F1639	A1_RDMODE	V	n/a	32	36	F0114	none		
RAW MEANING												
32	Full Frame											
33	Small Window											
34	Large Window											
35	Timing											
36	Burst											
174	0	16	F1640	A1_SSEG	V	n/a				none	none	
CURVE												
176	0	16	F1641	A1_DSEG	V	n/a				none	none	
CURVE												
178	0	16	F1679	A1 MIP Threshold	V	n/a			F0195	none		
CURVE												
180	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672		none	none	
CURVE												
184	0	1	F1902	Spare 1 bit	V	n/a	0	1		none	none	
RAW MEANING												
184	1	1	F1642	A1L RecData Cks	V	n/a	0	1		none	none	
RAW MEANING												
0	No Error											
1	Error											
184	2	1	F1643	A1L Transmit ST	V	n/a	0	1		none	none	
RAW MEANING												
0	No Error											
1	Error											

EPCS TM PACKETS

184	3	1	F1644	A1L ACKTimeO ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
184	4	1	F1645	A1L ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
184	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
185	0	8	F1646	A1L NegACKErCod	V	n/a			none	none
RAW MEANING										
186	0	8	F1647	EC1_UAMOS_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14315)										
187	0	8	F1648	EC1_UAMOS_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14315)										
188	0	8	F1649	EC1_UPHI_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14342)										
189	0	8	F1650	EC1_UPHI_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14262)										
190	0	8	F1651	EC1_UFLSH_H	V	V			F0158	none
CURVE ENG (V) = RAW*0.06827										
191	0	8	F1652	EC1_UFLSH_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.10271)										
192	0	8	F1653	EC1_RFGA_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.06684)										
193	0	8	F1654	EC1_RFGA_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.0667)										
194	0	8	F1655	EC1_U+BIAS	V	V			none	none
CURVE ENG (V) = RAW*(0.06683)										
195	0	8	F1656	EC1_U-BIAS	V	V			none	none
CURVE ENG (V) = RAW*(-0.12831)										
196	0	8	F1657	EC1_UCMXVDD	V	V			none	none
CURVE ENG (V) = RAW*0.03229										
197	0	8	F1658	EC1_UCMXVSS	V	V			none	none
CURVE ENG (V) = RAW*(-0.03221)										
198	0	8	F1659	EC1_U+15	V	V			none	none
CURVE ENG (V) = RAW*0.10667										
199	0	8	F1660	EC1_U-15	V	V			none	none
CURVE ENG (V) = RAW*(-0.10667)										
200	0	8	F1661	EC1_U-35	V	V			none	none
CURVE ENG (V) = RAW*(-0.23567)										
201	0	8	F1662	EC1_UVDD	V	V			none	none
CURVE ENG (V) = RAW*0.03548										
202	0	8	F1663	EC1_UVDDA	V	V			none	none
CURVE ENG (V) = RAW*0.04281										

EPCS TM PACKETS

203	0	8	F1664	E C1_UVSSA	V	V			none	none
CURVE	ENG (V) = RAW*(-0.04281)									
204	0	8	F1665	E C1_UDGND	V	V			none	none
CURVE	ENG (V) = RAW*0.01954-2.5									
205	0	8	F1666	E C1_IVDDA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
206	0	8	F1667	E C1_I+15	V	mA			none	none
CURVE	ENG (mA) = RAW*0.24242-4.3									
207	0	8	F1668	E C1_I-15	V	mA			none	none
CURVE	ENG (mA) = RAW*0.23256-4.651									
208	0	8	F1669	E C1_IVDD_D	V	mA			none	none
CURVE	ENG (mA) = RAW*0.03067									
209	0	8	F1670	E C1_IIS	V	n/a			none	none
CURVE	ENG (microA) = RAW*0.34843-44.5993									
210	0	8	F1671	E C1_IGRA0	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.16279-151.163									
211	0	8	F1672	E C1_IGRA1	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.15607-150.289									
212	0	8	F1673	E C1_IGRA2	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.15942-150.145									
213	0	8	F1674	E C1_TEMPEA1	V	degC			none	none
CURVE	ENG (°C) = RAW*1.63934-273									
214	0	8	F1675	E C1_TEMPEA2	V	degC			none	none
CURVE	ENG (°C) = RAW*1.63934-273									
215	0	8	F1676	E C1_TEMPQB1	V	degC			none	none
CURVE	ENG (°C) = RAW*1.62162-273									
216	0	8	F1677	E C1_TEMPQB2	V	degC			none	none
CURVE	ENG (°C) = RAW*1.63043-273									
217	0	8	F1678	E C1_I-35	V	mA			none	none
CURVE	ENG (mA) = RAW*0.23809-11.547									
218	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
222	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
226	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
228	0	8	F1701	A2_CMOFFSS	V	n/a	0	199	F0005	none
CURVE										
229	0	8	F1702	A2_CMOFFSE	V	n/a	0	199	F0005	none
CURVE										
230	0	8	F1703	A2_CMADDO1 CCD	V	n/a	0	2	F0180	none
CURVE										
231	0	8	F1704	A2_CMADDO1 COL	V	n/a	0	63	F0180	none
CURVE										

EPCS TM PACKETS

232 CURVE	0	16	F1705	A2_CMADDO2	V	n/a			F0180	none
234 CURVE	0	8	F1706	A2_WBOOTS	V	n/a			none	none
235 CURVE	0	8	F1707	A2_WDOGCNT	V	n/a			none	none
236 CURVE	0	16	F1708	A2_MEMCHKSS	V	n/a			F0172	none
238 CURVE	0	16	F1709	A2_MEMCHKSO	V	n/a			F0172	none
240 CURVE	0	16	F1710	A2_MEMCHKL	V	n/a			F0172	none
242 CURVE	0	16	F1711	A2_MEMCHK	V	n/a			F0172	none
244 CURVE	0	16	F1712	A2_RAMCHKSS	V	n/a			F0175	none
246 CURVE	0	16	F1713	A2_RAMCHKSO	V	n/a			F0175	none
248 CURVE	0	16	F1714	A2_RAMCHKL	V	n/a			F0175	none
250 CURVE	0	16	F1715	A2_CMLOTH0	V	n/a			F0109	none
252 CURVE	0	16	F1716	A2_CMLOTH1	V	n/a			F0109	none
254 CURVE	0	16	F1717	A2_CMLOTH2	V	n/a			F0109	none
256 CURVE	0	8	F1718	A2_MIPREJ0	V	n/a			none	none
257 CURVE	0	8	F1719	A2_MIPREJ1	V	n/a			none	none
258 CURVE	0	8	F1720	A2_MIPREJ2	V	n/a			none	none
259 CURVE	0	8	F1721	A2_LCHIP	V	n/a	0	2	F0118	none
260 CURVE	0	8	F1722	A2_LLINE	V	n/a	0	199	F0118	none
261 CURVE	0	8	F1723	A2_UCHIP	V	n/a	0	2	F0118	none
262 CURVE	0	8	F1724	A2_ULINE	V	n/a	0	199	F0118	none
263 CURVE	0	16	F1725	A2_CMCORR	V	n/a			F0108	none

EPCS TM PACKETS

265	0	16	F1726	A2_CMDEVL	V	n/a			F0110	none
CURVE										
267	0	16	F1727	A2_CMDEVH	V	n/a			F0110	none
CURVE										
269	0	4	F1728	A2_CMLINEPixSet	V	n/a	0	1	F0120	none
RAW MEANING										
0	Good									
1	Bad									
269	4	4	F1729	A2_CMLINE CCD	V	n/a	0	2	F0120	none
CURVE										
270	0	8	F1730	A2_CMLINE Numb	V	n/a	0	199	F0120	none
CURVE										
271	0	4	F1731	A2_CMCOL PixSet	V	n/a	0	1	F0121	none
RAW MEANING										
0	Good									
1	Bad									
271	4	4	F1732	A2_CMCOL CCD	V	n/a	0	2	F0121	none
CURVE										
272	0	8	F1733	A2_CMCOL Numb	V	n/a	0	63	F0121	none
CURVE										
273	0	8	F1734	A2_CHOP	V	n/a	0	31	F0111	none
CURVE										
274	0	8	F1735	A2_SENDDMODE	V	n/a	16	18	F0116	none
RAW MEANING										
16	MIP correc.1									
17	MIP correc.2									
18	No MIP corr.									
275	0	8	F1736	A2_EAMIPSEL	V	n/a	0	100	F0117	none
CURVE										
276	0	16	F1737	A2_COUNT	V	n/a			F0074	none
CURVE										
278	0	8	F1738	A2_MAXFRC	V	n/a			F0176	none
CURVE										
279	0	8	F1739	A2_RDMODE	V	n/a	32	36	F0114	none
RAW MEANING										
32	Full Frame									
33	Small Window									
34	Large Window									
35	Timing									
36	Burst									
280	0	16	F1740	A2_SSEG	V	n/a			none	none
CURVE										
282	0	16	F1741	A2_DSEG	V	n/a			none	none
CURVE										
284	0	16	F1779	A2 MIP Threshold	V	n/a			F0195	none
CURVE										
286	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
290	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										

EPCS TM PACKETS

290	1	1	F1742	A2L RecData Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
290	2	1	F1743	A2L Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
290	3	1	F1744	A2L ACKTimeO ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
290	4	1	F1745	A2L ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
290	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
291	0	8	F1746	A2L NegACKErCod	V	n/a			none	none
RAW MEANING										
292	0	8	F1747	E C2_UAMOS_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14427)										
293	0	8	F1748	E C2_UAMOS_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.1433)										
294	0	8	F1749	E C2_UPHL_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14286)										
295	0	8	F1750	E C2_UPHL_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14206)										
296	0	8	F1751	E C2_UFLSH_H	V	V			F0158	none
CURVE ENG (V) = RAW*0.06818										
297	0	8	F1752	E C2_UFLSH_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.10289)										
298	0	8	F1753	E C2_RFGE_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.06663)										
299	0	8	F1754	E C2_RFGE_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.06628)										
300	0	8	F1755	E C2_U+BIAS	V	V			none	none
CURVE ENG (V) = RAW*0.066817										
301	0	8	F1756	E C2_U-BIAS	V	V			none	none
CURVE ENG (V) = RAW*(-0.12798)										
302	0	8	F1757	E C2_UCMXVDD	V	V			none	none
CURVE ENG (V) = RAW*0.032285										
303	0	8	F1758	E C2_UCMXVSS	V	V			none	none
CURVE ENG (V) = RAW*(-0.03226)										
304	0	8	F1759	E C2_U+15	V	V			none	none
CURVE ENG (V) = RAW*0.106762										
305	0	8	F1760	E C2_U-15	V	V			none	none
CURVE ENG (V) = RAW*(-0.10714)										

EPCS TM PACKETS

306	0	8	F1761	E C2_U-35	V	V			none	none
CURVE	ENG (V) = RAW*(-0.23411)									
307	0	8	F1762	E C2_UVDD	V	V			none	none
CURVE	ENG (V) = RAW*0.035587									
308	0	8	F1763	E C2_UVDDA	V	V			none	none
CURVE	ENG (V) = RAW*0.042705									
309	0	8	F1764	E C2_UVSSA	V	V			none	none
CURVE	ENG (V) = RAW*(-0.04271)									
310	0	8	F1765	E C2_UDGND	V	V			none	none
CURVE	ENG (V) = RAW*0.01954-2.5									
311	0	8	F1766	E C2_IVDDA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.297619									
312	0	8	F1767	E C2_I+15	V	mA			none	none
CURVE	ENG (mA) = RAW*0.242424-3.333									
313	0	8	F1768	E C2_I-15	V	mA			none	none
CURVE	ENG (mA) = RAW*0.235294-5.2941									
314	0	8	F1769	E C2_IVDD_D	V	mA			none	none
CURVE	ENG (mA) = RAW*0.030488									
315	0	8	F1770	E C2_IIS	V	n/a			none	none
CURVE	ENG (microA) = RAW*0.34662-44.3674									
316	0	8	F1771	E C2_IGRA0	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.186944-152.522									
317	0	8	F1772	E C2_IGRA1	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.166181-152.186									
318	0	8	F1773	E C2_IGRA2	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.194030-174.925									
319	0	8	F1774	E C2_TEMPEA1	V	degC			none	none
CURVE	ENG (°C) = RAW*1.652893-273									
320	0	8	F1775	E C2_TEMPEA2	V	degC			none	none
CURVE	ENG (°C) = RAW*1.652893-273									
321	0	8	F1776	E C2_TEMPQB1	V	degC			none	none
CURVE	ENG (°C) = RAW*1.627027-273									
322	0	8	F1777	E C2_TEMPQB2	V	degC			none	none
CURVE	ENG (°C) = RAW*1.643836-273									
323	0	8	F1778	E C2_I-35	V	mA			none	none
CURVE	ENG (mA) = RAW*0.238095-11.3095									
324	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
328	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
332	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
334	0	8	F1801	A3_CMOFFSS	V	n/a	0	199	F0005	none
CURVE										

EPCS TM PACKETS

EPIC-EST-TN-005 I.3
Appendix M

335 CURVE	0	8	F1802	A3_CMOFFSE	V	n/a	0	199	F0005	none
336 CURVE	0	8	F1803	A3_CMADDO1 CCD	V	n/a	0	2	F0180	none
337 CURVE	0	8	F1804	A3_CMADDO1 COL	V	n/a	0	63	F0180	none
338 CURVE	0	16	F1805	A3_CMADDO2	V	n/a			F0180	none
340 CURVE	0	8	F1806	A3_WBOOTS	V	n/a			none	none
341 CURVE	0	8	F1807	A3_WDOGCNT	V	n/a			none	none
342 CURVE	0	16	F1808	A3_MEMCHKSS	V	n/a			F0174	none
344 CURVE	0	16	F1809	A3_MEMCHKSO	V	n/a			F0174	none
346 CURVE	0	16	F1810	A3_MEMCHKL	V	n/a			F0174	none
348 CURVE	0	16	F1811	A3_MEMCHK	V	n/a			F0174	none
350 CURVE	0	16	F1812	A3_RAMCHKSS	V	n/a			F0175	none
352 CURVE	0	16	F1813	A3_RAMCHKSO	V	n/a			F0175	none
354 CURVE	0	16	F1814	A3_RAMCHKL	V	n/a			F0175	none
356 CURVE	0	16	F1815	A3_CMLOTH0	V	n/a			F0109	none
358 CURVE	0	16	F1816	A3_CMLOTH1	V	n/a			F0109	none
360 CURVE	0	16	F1817	A3_CMLOTH2	V	n/a			F0109	none
362 CURVE	0	8	F1818	A3_MIPREJ0	V	n/a			none	none
363 CURVE	0	8	F1819	A3_MIPREJ1	V	n/a			none	none
364 CURVE	0	8	F1820	A3_MIPREJ2	V	n/a			none	none
365 CURVE	0	8	F1821	A3_LCHIP	V	n/a	0	2	F0118	none
366 CURVE	0	8	F1822	A3_LLINE	V	n/a	0	199	F0118	none

EPCS TM PACKETS

367	0	8	F1823	A3_UCHIP	V	n/a	0	2	F0118	none
CURVE										
368	0	8	F1824	A3_ULINE	V	n/a	0	199	F0118	none
CURVE										
369	0	16	F1825	A3_CMCORR	V	n/a			F0108	none
CURVE										
371	0	16	F1826	A3_CMDEVL	V	n/a			F0110	none
CURVE										
373	0	16	F1827	A3_CMDEVH	V	n/a			F0110	none
CURVE										
375	0	4	F1828	A3_CMLINEPixSet	V	n/a	0	1	F0120	none
RAW MEANING										
0	Good									
1	Bad									
375	4	4	F1829	A3_CMLINE CCD	V	n/a	0	2	F0120	none
CURVE										
376	0	8	F1830	A3_CMLINE Numb	V	n/a	0	199	F0120	none
CURVE										
377	0	4	F1831	A3_CMCOL PixSet	V	n/a	0	1	F0121	none
RAW MEANING										
0	Good									
1	Bad									
377	4	4	F1832	A3_CMCOL CCD	V	n/a	0	2	F0121	none
CURVE										
378	0	8	F1833	A3_CMCOL Numb	V	n/a	0	63	F0121	none
CURVE										
379	0	8	F1834	A3_CHOP	V	n/a	0	31	F0111	none
CURVE										
380	0	8	F1835	A3_SENDDMODE	V	n/a	16	18	F0116	none
RAW MEANING										
16	MIP correc.1									
17	MIP correc.2									
18	No MIP corr.									
381	0	8	F1836	A3_EAMIPSEL	V	n/a	0	100	F0117	none
CURVE										
382	0	16	F1837	A3_COUNT	V	n/a			F0074	none
CURVE										
384	0	8	F1838	A3_MAXFRC	V	n/a			F0176	none
CURVE										
385	0	8	F1839	A3_RDMODE	V	n/a	32	36	F0114	none
RAW MEANING										
32	Full Frame									
33	Small Window									
34	Large Window									
35	Timing									
36	Burst									
386	0	16	F1840	A3_SSEG	V	n/a			none	none
CURVE										
388	0	16	F1841	A3_DSEG	V	n/a			none	none
CURVE										

EPCS TM PACKETS

390	0	16	F1879	A3 MIP Threshold	V	n/a			F0195	none
CURVE										
392	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
396	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
396	1	1	F1842	A3L RecData Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
396	2	1	F1843	A3L Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
396	3	1	F1844	A3L ACKTimeO ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
396	4	1	F1845	A3L ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
396	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
397	0	8	F1846	A3L NegACKErCod	V	n/a			none	none
RAW MEANING										
398	0	8	F1847	E C3_UAMOS_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14315)										
399	0	8	F1848	E C3_UAMOS_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14315)										
400	0	8	F1849	E C3_UPHI_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14342)										
401	0	8	F1850	E C3_UPHI_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14262)										
402	0	8	F1851	E C3_UFLSH_H	V	V			F0158	none
CURVE ENG (V) = RAW*0.06827										
403	0	8	F1852	E C3_UFLSH_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.10271)										
404	0	8	F1853	E C3_RFGA_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.06684)										
405	0	8	F1854	E C3_RFGA_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.0667)										
406	0	8	F1855	E C3_U+BIAS	V	V			none	none
CURVE ENG (V) = RAW*(0.06683)										
407	0	8	F1856	E C3_U-BIAS	V	V			none	none
CURVE ENG (V) = RAW*(-0.12831)										
408	0	8	F1857	E C3_UCMXVDD	V	V			none	none
CURVE ENG (V) = RAW*0.03229										

EPCS TM PACKETS

409	0	8	F1858	E C3_UCMXVSS	V	V			none	none
CURVE	ENG (V) = RAW*(-0.03221)									
410	0	8	F1859	E C3_U+15	V	V			none	none
CURVE	ENG (V) = RAW*0.10667									
411	0	8	F1860	E C3_U-15	V	V			none	none
CURVE	ENG (V) = RAW*(-0.10667)									
412	0	8	F1861	E C3_U-35	V	V			none	none
CURVE	ENG (V) = RAW*(-0.23567)									
413	0	8	F1862	E C3_UVDD	V	V			none	none
CURVE	ENG (V) = RAW*0.03548									
414	0	8	F1863	E C3_UVDDA	V	V			none	none
CURVE	ENG (V) = RAW*0.04281									
415	0	8	F1864	E C3_UVSSA	V	V			none	none
CURVE	ENG (V) = RAW*(-0.04281)									
416	0	8	F1865	E C3_UDGND	V	V			none	none
CURVE	ENG (V) = RAW*0.01954-2.5									
417	0	8	F1866	E C3_IVDDA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
418	0	8	F1867	E C3_I+15	V	mA			none	none
CURVE	ENG (mA) = RAW*0.24242-4.3									
419	0	8	F1868	E C3_I-15	V	mA			none	none
CURVE	ENG (mA) = RAW*0.23256-4.651									
420	0	8	F1869	E C3_IVDD_D	V	mA			none	none
CURVE	ENG (mA) = RAW*0.03067									
421	0	8	F1870	E C3_IIS	V	n/a			none	none
CURVE	ENG (microA) = RAW*0.34843-44.5993									
422	0	8	F1871	E C3_IGRA0	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.16279-151.163									
423	0	8	F1872	E C3_IGRA1	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.15607-150.289									
424	0	8	F1873	E C3_IGRA2	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.15942-150.145									
425	0	8	F1874	E C3_TEMPEA1	V	degC			none	none
CURVE	ENG (°C) = RAW*1.63934-273									
426	0	8	F1875	E C3_TEMPEA2	V	degC			none	none
CURVE	ENG (°C) = RAW*1.63934-273									
427	0	8	F1876	E C3_TEMPQB1	V	degC			none	none
CURVE	ENG (°C) = RAW*1.62162-273									
428	0	8	F1877	E C3_TEMPQB2	V	degC			none	none
CURVE	ENG (°C) = RAW*1.63043-273									
429	0	8	F1878	E C3_I-35	V	mA			none	none
CURVE	ENG (mA) = RAW*0.23809-11.547									
430	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										

EPCS TM PACKETS

EPIC-EST-TN-005 I.3
Appendix M

434	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
438	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50003	1792	SuccessfulCommandAcc	3	1	N/A	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 1: variable

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

Offset Word 2: variable

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

Offset Word 3: 0331

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
------	-----	-------	------	------	-----	------	-------	--------	--------	----	-----	------

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50004	1792	UnsComAc-IllegalAPID	3	2	N/A	N/A	N/A	N/A	0

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 8: 0000

Bit	Width	Name	F/V	Value
0	8	Error Code	F	0
8	8	Spare	F	0

Offset Word 3: 0332

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50005	1792	UnsComEx-GenericErr	3	4	N/A	N/A	N/A	N/A	130

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 8: 82//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	130

Offset Word 3: 0334

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50006	1792	Initialization Log	4	1	0	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: 0000

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

Offset Word 2: variable

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

Offset Word 3: 0341

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	16	F2057	MasterInitRepBit	V	n/a	0	0	1		none	none
RAW MEANING												
0	Valid											
1	Not Valid											
18	0	16	F2058	MasInRepSPROMerc	V	n/a					none	none
CURVE												
20	0	16	F2059	MastInRepPROCrc	V	n/a					none	none
CURVE												
22	0	16	F2060	MastInRepRAMrslt	V	n/a	0	0	1		none	none
RAW MEANING												
0	Valid											
1	Not Valid											
24	0	16	F2061	MasInReFaultPGnm	V	n/a					none	none
CURVE												
26	0	16	F2062	MasInReFaultPGof	V	n/a					none	none
CURVE												
28	0	16	F2063	MastInitReRAMerc	V	n/a					none	none
CURVE												
30	0	16	F2064	ResPerProcLoadin	V	n/a	0	0	1		none	none
RAW MEANING												
0	Valid											
1	Not Valid											

EPCS TM PACKETS

32	0	16	FIX	Filler	F	n/a	0				
CURVE											
34	0	16	F2065	InitprFirstssbUn	V	n/a	0	0	1	none	none
RAW MEANING											
0	Valid										
1	Not Valid										
36	0	16	F2066	EPCE HK DataFlag	V	n/a	0	0	1	none	none
RAW MEANING											
0	Valid										
1	Not Valid										
38	0	16	F1053	C CE_SECCNT	V	n/a		0	65535	none	none
CURVE											
40	0	8	F1054	C CE_ERRCNT	V	n/a		0	255	F0078	none
CURVE											
41	0	8	F1055	C CE_LASTERR	V	n/a		0	255	F0078	none
RAW MEANING											
42	0	8	F1056	C CE_CMDCNT	V	n/a		0	255	none	none
CURVE											
43	0	8	F1057	C CE_CMDREJ	V	n/a		0	255	F0078	none
CURVE											
44	0	8	F1906	Spare 1 byte	V	n/a		0	255	none	none
CURVE											
45	0	8	F1059	C CE_OVRRUNS	V	n/a		0	255	none	none
CURVE											
46	0	16	F1060	C CE_BYTEREC	V	n/a		0	65535	none	none
CURVE											
48	0	16	F1061	C CE_BYTESND	V	n/a		0	65535	none	none
CURVE											
50	0	8	F1062	C CE_CMDCNTR	V	n/a		0	255	none	none
CURVE											
51	0	1	F1063	CErrSIF MasterST	V	n/a		0	1	F0078	none
RAW MEANING											
0	Ready										
1	Not Ready										
51	1	1	F1064	CErr EPCE ADC ST	V	n/a		0	1	F0078	none
RAW MEANING											
0	Ready										
1	Not Ready										
51	2	1	F1065	CErr UART InpuST	V	n/a		0	1	F0078	none
RAW MEANING											
0	No Overrun										
1	Overrun										
51	3	1	F1066	CErr EPVC ADC ST	V	n/a		0	1	F0078	none
RAW MEANING											
0	Ready										
1	Not Ready										
51	4	1	F1067	CErrIlgCPUInterr	V	n/a		0	1	F0078	none
RAW MEANING											
0	Not Received										
1	Received										
51	5	1	F1068	C Err RAM Check	V	n/a		0	1	F0179	none
RAW MEANING											
0	Not Occured										

EPCS TM PACKETS

1	Occurred											
51	6	1	F1058	C FWTH ADC Stat	V	n/a	0	1	F0078	none		
RAW MEANING												
0	Ready											
1	Not Ready											
51	7	1	F1475	C TimSignMissing	V	n/a	0	1	F0078	none		
RAW MEANING												
0	No Missing											
1	Missing											
52	0	8	F1069	C CE_TEMP_CPU	V	degC				none	none	
CURVE ENG (°C) = RAW*1.73-270												
53	0	8	F1070	C CE_TEMP_BOX	V	degC				none	none	
CURVE ENG (°C) = RAW*1.73-270												
54	0	8	F1071	C CE_WBOOTS	V	n/a	0	255	F0078	none		
CURVE												
55	0	8	F1072	C CE_INTCNT	V	n/a	0	255	none	none		
CURVE												
56	0	8	F1073	C CE_WDOG_CNT	V	n/a	0	255	F0078	none		
CURVE												
57	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none		
CURVE												
57	4	1	F1074	C CE_QUADSEL #3	V	n/a	0	1	F0092	none		
RAW MEANING												
0	Not Selected											
1	Selected											
57	5	1	F1075	C CE_QUADSEL #2	V	n/a	0	1	F0092	none		
RAW MEANING												
0	Not Selected											
1	Selected											
57	6	1	F1076	C CE_QUADSEL #1	V	n/a	0	1	F0092	none		
RAW MEANING												
0	Not Selected											
1	Selected											
57	7	1	F1077	C CE_QUADSEL #0	V	n/a	0	1	F0092	none		
RAW MEANING												
0	Not Selected											
1	Selected											
58	0	1	F1078	C EPCE Active	V	n/a	0	1	none	none		
RAW MEANING												
0	Nominal											
1	Redundant											
58	1	1	F1079	C EPCE Mode	V	n/a	0	1	F0083	none		
RAW MEANING												
0	Nominal											
1	Debug											
58	2	1	F1080	C EPCEMemoModify	V	n/a	0	1	F0091	X5001		
RAW MEANING												
0	One time											
1	Continuously											
58	3	1	F1081	C EPCEMemModAuto	V	n/a	0	1	F0091	none		
RAW MEANING												
0	Off											
1	On											
58	4	1	F1082	CCEB/CEWPUT VeRe	V	n/a	0	1	none	none		
RAW MEANING												
0	Passed											
1	Failed											

EPCS TM PACKETS

58	5	1	F1083	CCEB/CEWPUT VeSt	V	n/a	0	1	F0091	none
RAW MEANING										
0	Enabled									
1	Disabled									
58	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
58	7	1	F1476	CEMEMCHK active	V	n/a	0	1	F0065	none
RAW MEANING										
0	Not Active									
1	Active									
59	0	1	F1084	C FWGOTO Status	V	n/a	0	1	F0129	none
RAW MEANING										
0	Not Active									
1	Active									
59	1	1	F1085	C FWCAL Status	V	n/a	0	1	F0130	none
RAW MEANING										
0	Not Active									
1	Active									
59	2	1	F1086	CCERAMCHK Status	V	n/a	0	1	F0179	none
RAW MEANING										
0	Not Active									
1	Active									
59	3	1	F1087	C MemUplinkStatus	V	n/a	0	1	F0082	none
RAW MEANING										
0	Not Active									
1	Active									
59	4	1	F1088	CCEIntVecMemTest	V	n/a	0	1	none	X5015
RAW MEANING										
0	Passed									
1	Failed									
59	5	1	F1089	C CEMemBank2Test	V	n/a	0	1	none	X5015
RAW MEANING										
0	Passed									
1	Failed									
59	6	1	F1090	C CEMemBank1Test	V	n/a	0	1	none	X5015
RAW MEANING										
0	Passed									
1	Failed									
59	7	1	F1091	C CEMemBank0Test	V	n/a	0	1	none	X5015
RAW MEANING										
0	Passed									
1	Failed									
60	0	16	F1092	C CE_MSG	V	n/a	0	65535	F0079	none
CURVE										
62	0	16	F1093	C CE_ADDRS	V	n/a	0	65535	F0088	none
CURVE										
64	0	16	F1094	C CE_ADDRO	V	n/a	0	65535	F0088	none
CURVE										
66	0	16	F1095	C CE_DATA	V	n/a	0	65535	F0088	none
CURVE										
68	0	16	F1096	C CE_MEMCHKSS	V	n/a	0	65535	F0065	none
CURVE										
70	0	16	F1097	C CE_MEMCHKSO	V	n/a	0	65535	F0065	none
CURVE										
72	0	16	F1098	C CE_MEMCHKLEN	V	n/a	0	65535	F0065	none
CURVE										

EPCS TM PACKETS

74	0	16	F1099	C CE_MEMCHKSUM	V	n/a	0	65535	F0065	none
CURVE										
76	0	16	F1100	C CE_RAMCHKSS	V	n/a			F0179	none
CURVE										
78	0	16	F1101	C CE_RAMCHKSO	V	n/a	0	65535	F0179	none
CURVE										
80	0	16	F1102	C CE_RAMCHKLEN	V	n/a	0	65535	F0179	none
CURVE										
82	0	4	F1103	C CE_DCREG slave	V	n/a	0	7	F0194	none
CURVE										
82	4	4	F1204	C CE_DCREGmaster	V	n/a	0	7	F0194	none
CURVE										
83	0	16	F1104	C CE_DCCMD	V	n/a	0	65535	F0194	none
CURVE										
85	0	8	F1105	C CE_DCSTAT	V	n/a	0	65535	F0194	none
CURVE										
86	0	16	F1106	C CE_DCDAATA	V	n/a	0	65535	F0194	none
CURVE										
88	0	8	F1107	C CE_LASTCMD	V	n/a	0	255	none	none
RAW MEANING										
89	0	16	F1108	C CE_MUPL_S	V	n/a	0	65535	F0082	none
CURVE										
91	0	16	F1109	C CE_MUPL_O	V	n/a	0	65535	F0082	none
CURVE										
93	0	8	F1110	C CE_MUPL_L	V	n/a	0	232	F0082	none
CURVE										
94	0	1	F1111	H FW Moving Mode	V	n/a	0	1	F0126	none
RAW MEANING										
0	Emergency									
1	Normal									
94	1	1	F1112	HFW Moving Direc	V	n/a	0	1	F0125	none
RAW MEANING										
0	Up									
1	Down									
94	2	1	F1113	H FW Stop Sensor	V	n/a	0	1	F0190	none
RAW MEANING										
0	Enabled									
1	Disabled									
94	3	11	F1114	HFW TimeOut Step	V	n/a	0	1599	F0123	none
CURVE										
95	6	1	F1115	HFW Moving Speed	V	n/a	0	1	F0188	none
RAW MEANING										
0	Slow									
1	Fast									
95	7	1	F1116	H FW TimeOutStop	V	n/a	0	1	F0189	none
RAW MEANING										
0	Disabled									
1	Enabled									
96	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										

EPCS TM PACKETS

96	3	1	F1117	H FW PW Pos&Temp	V	n/a	0	1	F0127	none
RAW MEANING										
0	Off									
1	On									
96	4	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
97	2	3	F1118	H FW PosSensorST	V	n/a	0	7	F0129	X5020
RAW MEANING										
0	Open									
1	Filter D									
2	Filter C									
3	Filter B									
4	Filter A									
5	Close									
7	No Stop Pos.									
97	5	1	F1119	HFW Motor Status	V	n/a	0	1	F0124	none
RAW MEANING										
0	Stopped									
1	Running									
97	6	1	F1120	HFW StopPosition	V	n/a	0	1	none	none
RAW MEANING										
0	Not Active									
1	Active									
97	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
98	0	16	F1122	H CE_FWSPOT	V	n/a	0	359,9	none	X5020
CURVE $ENG (^{\circ}C) = RAW * (-0.8547) + 417.094$										
100	0	16	F1123	H CE_FWTEMP1	V	degC			none	X5020
CURVE $ENG (^{\circ}C) = RAW * (-0.8967) + 186.088$										
102	0	16	F1124	H CE_FWTEMP2	V	degC			none	X5020
CURVE $ENG (^{\circ}C) = RAW * (-0.8967) + 186.088$										
104	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
105	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
105	4	1	F1125	HFW DecontHeaLtc	V	n/a	0	1	none	none
RAW MEANING										
0	ON									
1	OFF									
105	5	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
105	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
105	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
106	0	16	F1127	H CE_TTMPFPC	V	degC			none	none
CURVE $ENG (^{\circ}C) = RAW * (-0.7303) + 129.6629$										

EPCS TM PACKETS

108	0	16	F1128	H CE_TTMPFPF	V	degC			none	none
CURVE	ENG (°C) = RAW*(-0.07421)-91.2987									
110	0	16	F1129	H CE_TTMPS	V	degC			none	none
CURVE	ENG (°C) = RAW*(-0.7303)+129.6629									
112	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
113	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none
CURVE										
113	5	1	F1130	H HOP PW Sensor	V	n/a	0	1	F0191	none
RAW MEANING	0 Off 1 On									
113	6	1	F1131	H HOP Retracted	V	n/a	0	1	none	X5000
RAW MEANING	0 Retracted 1 NotRetracted									
113	7	1	F1132	HHOP Door Status	V	n/a	0	1	F0044	X5000
RAW MEANING	0 Open 1 Closed									
114	0	8	F1133	C CE_U+5D	V	V	4,7	5,3	none	none
CURVE	ENG (V) = RAW*0.045									
115	0	8	F1134	C CE_U+5A	V	V	4,7	5,3	none	none
CURVE	ENG (V) = RAW*0.044									
116	0	8	F1135	C CE_U-15A	V	V	-15,5	-14,5	none	none
CURVE	ENG (V) = RAW*(-0.13)									
117	0	8	F1136	C CE_UDGND	V	V	-0,5	0,5	none	none
CURVE	ENG (V) = RAW*0.01954-2.5									
118	0	8	F1137	C CE_CU+5A	V	V	4,7	5,3	none	none
CURVE	ENG (V) = RAW*0.036									
119	0	8	F1138	C CE_CU-15A	V	V	-15,5	-14,5	none	none
CURVE	ENG (V) = RAW*(-0.0711)									
120	0	1	F1139	C ErA0 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING	0 Ready 1 Not Ready									
120	1	1	F1140	CErA0 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING	0 No Error 1 Error									

EPCS TM PACKETS

120	2	1	F1141	C ErA0 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
120	3	1	F1142	CErA0 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
120	4	1	F1143	CErA0 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
120	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
121	0	8	F1144	C ErA0 NegACKCod	V	n/a			F0078	none
RAW MEANING										
122	0	1	F1145	C ErA1 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
122	1	1	F1146	CErA1 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
122	2	1	F1147	C ErA1 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
122	3	1	F1148	CErA1 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
122	4	1	F1149	CErA1 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
122	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
123	0	8	F1150	C ErA1 NegACKCod	V	n/a			F0078	none
RAW MEANING										
124	0	1	F1151	C ErA2 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
124	1	1	F1152	CErA2 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
124	2	1	F1153	C ErA2 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
124	3	1	F1154	CErA2 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
124	4	1	F1155	CErA2 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									

EPCS TM PACKETS

124	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
125	0	8	F1156	C ErA2 NegACKCod	V	n/a			F0078	none
RAW MEANING										
126	0	1	F1157	C ErA3 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
126	1	1	F1158	CErA3 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
126	2	1	F1159	C ErA3 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
126	3	1	F1160	CErA3 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
126	4	1	F1161	CErA3 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
126	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
127	0	8	F1162	C ErA3 NegACKCod	V	n/a			F0078	none
RAW MEANING										
128	0	16	F1163	C CE_IOADDR	V	n/a	0	65535	F0088	none
CURVE										
130	0	16	F1164	C CE_IODATA	V	n/a	0	65535	F0088	none
CURVE										
132	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
132	1	1	F1165	C RecTabDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
132	2	1	F1477	C RecHKDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
132	3	1	F1478	C TransComShowin	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
132	4	1	F1479	C TraTabDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
132	5	1	F1480	C TranHKDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
132	6	1	F1481	C ReceivCommShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									

EPCS TM PACKETS

132	7	1	F1482	C HexComDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
133	0	16	F1166	C CE_SSEG	V	n/a	0	65535	none	none
CURVE										
135	0	16	F1167	C CE_DSEG	V	n/a	0	65535	none	none
CURVE										
137	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
138	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
138	2	1	F1168	VCurrentMeasCoSw	V	n/a	0	1	F0142	none
RAW MEANING										
0	Enabled									
1	Disabled									
138	3	1	F1169	VConvSync Switch	V	n/a	0	1	F0143	none
RAW MEANING										
0	Enabled									
1	Disabled									
138	4	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
139	0	1	F1170	VAcSTSwitchThPW2	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	1	1	F1171	VAcSTSwitchThPW1	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	2	1	F1172	V AcSTSwitchFW	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	3	1	F1173	V AcSTSwitchHT	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	4	1	F1174	V AcSTSwitchQua3	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	5	1	F1175	V AcSTSwitchQua2	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	6	1	F1176	V AcSTSwitchQua1	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	7	1	F1177	V AcSTSwitchQua0	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
140	0	1	F1178	V SwitchThermPW2	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
140	1	1	F1179	V SwitchThermPW1	V	n/a	0	1	none	none
RAW MEANING										

EPCS TM PACKETS

0	Off											
1	On											
140	2	1	F1180	V Switch FW	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
140	3	1	F1181	V Switch HT	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
140	4	1	F1182	V Switch Qua3	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
140	5	1	F1183	V Switch Qua2	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
140	6	1	F1184	V Switch Qua1	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
140	7	1	F1185	V Switch Qua0	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
141	0	8	F1186	V VC_TEMP1	V	degC			none	none		
CURVE ENG (°C) = RAW*1.73-270												
142	0	8	F1187	V VC_TEMP2	V	V			none	none		
CURVE ENG (°C) = RAW*1.73-270												
143	0	8	F1188	V VC_IMAIN	V	mA			none	X5006		
CURVE ENG (mA) = RAW*3.617												
144	0	8	F1189	V VC_IQ0	V	mA			none	X5006		
CURVE ENG (mA) = RAW*4.0												
145	0	8	F1190	V VC_IQ1	V	mA			none	X5006		
CURVE ENG (mA) = RAW*3.777												
146	0	8	F1191	V VC_IQ2	V	mA			none	X5006		
CURVE ENG (mA) = RAW*3.273												
147	0	8	F1192	V VC_IQ3	V	mA			none	X5006		
CURVE ENG (mA) = RAW*3.491												
148	0	8	F1193	V VC_IHT	V	mA			none	X5006		
CURVE ENG (mA) = RAW*5.74+42.778												
149	0	8	F1194	V VC_HV0CTRL	V	n/a	0	255	F0141	none		
RAW MEANING												
150	0	8	F1195	V VC_HV1CTRL	V	n/a	0	255	F0141	none		
RAW MEANING												
151	0	8	F1196	V VC_HV2CTRL	V	n/a	0	255	F0141	none		
RAW MEANING												
152	0	8	F1197	V VC_HV3CTRL	V	n/a	0	255	F0141	none		
RAW MEANING												

EPCS TM PACKETS

153	0	16	F1198	V VC_UHV0	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
155	0	16	F1199	V VC_UHV1	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
157	0	16	F1200	V VC_UHV2	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
159	0	16	F1201	V VC_UHV3	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
161	0	8	F1202	V VC_HTCTRL	V	n/a	0	255	F0141	none
CURVE										
162	0	16	F1203	V VC_UHT	V	V	0	40	F0141	none
CURVE ENG (V) = RAW*(-0.10756)+54.532										
164	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
165	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
165	3	1	F1205	EQUCH0 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
165	4	1	F1206	EQUCH0 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
165	5	1	F1207	EQUCH0 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
165	6	1	F1208	EQUCH0 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
165	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
166	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
166	3	1	F1209	EQUCH1 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
166	4	1	F1210	EQUCH1 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
166	5	1	F1211	EQUCH1 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
166	6	1	F1212	EQUCH1 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
166	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										

EPCS TM PACKETS

167	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
167	3	1	F1213	EQUCH2 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
167	4	1	F1214	EQUCH2 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
167	5	1	F1215	EQUCH2 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
167	6	1	F1216	EQUCH2 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
167	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
168	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
168	3	1	F1217	EQUCH3 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
168	4	1	F1218	EQUCH3 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
168	5	1	F1219	EQUCH3 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
168	6	1	F1220	EQUCH3 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
168	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
169	0	1	F1221	ECACH0 TstPulse	V	n/a	0	1	F0162	none
RAW MEANING										
0	Disabled									
1	Enabled									
169	1	1	F1222	ECACH0 TstSwitc3	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
169	2	1	F1223	ECACH0 TstSwitc2	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
169	3	1	F1224	ECACH0 TstSwitc1	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
169	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
169	5	1	F1225	ECACH0 GainCame2	V	n/a	0	1	F0163	none
RAW MEANING										

EPCS TM PACKETS

0	Low											
1	High											
169	6	1	F1226	ECACH0 GainCame1	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
169	7	1	F1227	ECACH0 GainCame0	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
170	0	1	F1228	ECACH1 TstPulse	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Disabled											
1	Enabled											
170	1	1	F1229	ECACH1 TstSwitc3	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
170	2	1	F1230	ECACH1 TstSwitc2	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
170	3	1	F1231	ECACH1 TstSwitc1	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
170	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none		
RAW MEANING												
170	5	1	F1232	ECACH1 GainCame2	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
170	6	1	F1233	ECACH1 GainCame1	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
170	7	1	F1234	ECACH1 GainCame0	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
171	0	1	F1235	ECACH2 TstPulse	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Disabled											
1	Enabled											
171	1	1	F1236	ECACH2 TstSwitc3	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
171	2	1	F1237	ECACH2 TstSwitc2	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
171	3	1	F1238	ECACH2 TstSwitc1	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
171	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none		
RAW MEANING												
171	5	1	F1239	ECACH2 GainCame2	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											

EPCS TM PACKETS

171	6	1	F1240	ECACH2 GainCame1	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
171	7	1	F1241	ECACH2 GainCame0	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
172	0	1	F1242	E CACH3 TstPulse	V	n/a	0	1	F0162	none
RAW MEANING										
0	Disabled									
1	Enabled									
172	1	1	F1243	ECACH3 TstSwitc3	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
172	2	1	F1244	ECACH3 TstSwitc2	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
172	3	1	F1245	ECACH3 TstSwitc1	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
172	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
172	5	1	F1246	ECACH3 GainCame2	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
172	6	1	F1247	ECACH3 GainCame1	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
172	7	1	F1248	ECACH3 GainCame0	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
173	0	8	F1249	E C0_UVBST	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.05869)										
174	0	8	F1250	E C1_UVBST	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.05869)										
175	0	8	F1251	E C2_UVBST	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.05825)										
176	0	8	F1252	E C3_UVBST	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.05869)										
177	0	16	F1253	E C0_TEMPCCD	V	mV			none	none
CURVE ENG (mV) = RAW*(-1.74292)										
179	0	16	F1254	E C1_TEMPCCD	V	mV			none	none
CURVE ENG (mV) = RAW*(-1.74292)										
181	0	16	F1255	E C2_TEMPCCD	V	mV			none	none
CURVE ENG (mV) = RAW*(-1.74292)										
183	0	16	F1256	E C3_TEMPCCD	V	mV			none	none
CURVE ENG (mV) = RAW*(-1.74292)										
185	0	8	F1257	E C0_IVSSA	V	mA			none	none
CURVE ENG (mA) = RAW*0.29851										

EPCS TM PACKETS

186	0	8	F1258	E C1_IVSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
187	0	8	F1259	E C2_IVSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.298214									
188	0	8	F1260	E C3_IVSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
189	0	8	F1261	E C0_IVSSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
190	0	8	F1262	E C1_IVSSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
191	0	8	F1263	E C2_IVSSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.298214									
192	0	8	F1264	E C3_IVSSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
193	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
194	0	16	F1265	H OH_CTRL	V	n/a			F0132	none
CURVE										
196	0	16	F1266	H OH_STAT	V	n/a			F0133	none
CURVE										
198	0	16	F1267	H OH_TEMP	V	n/a			F0131	none
CURVE										
200	0	16	F1268	H DH_CTRL	V	n/a			F0135	none
CURVE										
202	0	16	F1269	H DH_STAT	V	n/a			F0136	none
CURVE										
204	0	16	F1270	H DH_TEMP	V	n/a			F0134	none
CURVE										
206	0	8	F1271	V VC_IFW	V	mA			none	X5006
CURVE	ENG (mA) = RAW*4.082									
207	0	8	F1272	V VC_IT	V	mA			none	X5006
CURVE	ENG (mA) = RAW*6.818									
208	0	8	F1273	C CE_ERR1	V	n/a			F0078	none
RAW MEANING										
209	0	8	F1274	C CE_ERR2	V	n/a			F0078	none
RAW MEANING										
210	0	8	F1275	C CE_ERR3	V	n/a			F0078	none
RAW MEANING										
211	0	8	F1276	C CE_ERR4	V	n/a			F0078	none
RAW MEANING										
212	0	8	F1277	C CE_ERR5	V	n/a			F0078	none
RAW MEANING										

EPCS TM PACKETS

213	0	8	F1278	C CE_ERR6	V	n/a			F0078	none
RAW MEANING										
214	0	8	F1279	C CE_ERR7	V	n/a			F0078	none
RAW MEANING										
215	0	8	F1280	C CE_ERR8	V	n/a			F0078	none
RAW MEANING										
216	0	8	F1281	C CE_ERR9	V	n/a			F0078	none
RAW MEANING										
217	0	8	F1282	C CE_ERR10	V	n/a			F0078	none
RAW MEANING										
218	0	8	F1283	C CE_ERR11	V	n/a			F0078	none
RAW MEANING										
219	0	8	F1284	C CE_ERR12	V	n/a			F0078	none
RAW MEANING										
220	0	8	F1285	C CE_ERR13	V	n/a			F0078	none
RAW MEANING										
221	0	8	F1286	C CE_ERR14	V	n/a			F0078	none
RAW MEANING										
222	0	8	F1287	C CE_ERR15	V	n/a			F0078	none
RAW MEANING										
223	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
227	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
231	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
231	6	1	F1288	C MasterSeqClock	V	n/a	0	1	F0093	none
RAW MEANING										
0	Disabled									
1	Enabled									
231	7	1	F1289	C Select ReadQua	V	n/a	0	1	F0093	none
RAW MEANING										
0	Parallel									
1	Sequential									
232	0	1	F1290	CMS QuaSelected3	V	n/a	0	1	F0093	none
RAW MEANING										
0	Off									
1	On									
232	1	1	F1291	CMS QuaSelected2	V	n/a	0	1	F0093	none
RAW MEANING										
0	Off									
1	On									
232	2	1	F1292	CMS QuaSelected1	V	n/a	0	1	F0093	none
RAW MEANING										
0	Off									
1	On									
232	3	1	F1293	CMS QuaSelected0	V	n/a	0	1	F0093	none
RAW MEANING										
0	Off									
1	On									
232	4	4	F1294	CMS TimIntReaQua	V	n/a			F0093	none
CURVE										

EPCS TM PACKETS

233	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
237	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
239	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
239	6	1	F1295	A0 CPU MedianCor	V	n/a	0	1	F0122	none
RAW MEANING										
0	ON									
1	OFF									
239	7	1	F1296	A0 CPU PMODE	V	n/a	0	1	F0105	none
RAW MEANING										
0	Idle									
1	Send									
240	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
240	1	1	F1297	A0 EPEA mode	V	n/a	0	1	F0105	none
RAW MEANING										
0	Nominal									
1	Debug									
240	2	1	F1298	A0 Memory Modify	V	n/a	0	1	F0183	X5002
RAW MEANING										
0	One time									
1	Continuously									
240	3	1	F1299	A0 Memo Mod Auto	V	n/a	0	1	F0183	none
RAW MEANING										
0	Off									
1	On									
240	4	1	F1300	A0 EAB/EAWPUTVeR	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									
240	5	1	F1301	A0 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none
RAW MEANING										
0	Enabled									
1	Disabled									
240	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
240	7	1	F1334	A0 MEMCHK active	V	n/a	0	1	F0068	none
RAW MEANING										
0	Not Active									
1	Active									
241	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
241	2	1	F1302	A0 EARAMCHK Stat	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Active									
1	Active									
241	3	1	F1303	A0 MemUplinkStat	V	n/a	0	1	F0094	none
RAW MEANING										
0	Not Active									
1	Active									
241	4	1	F1304	A0 IntVecMemTest	V	n/a	0	1	none	X5016
RAW MEANING										
0	Passed									
1	Failed									
241	5	1	F1305	A0 MemBank2Test	V	n/a	0	1	none	X5016
RAW MEANING										

EPCS TM PACKETS

0	Passed											
1	Failed											
241	6	1	F1306	A0 MemBank1Test	V	n/a	0	1	none	X5016		
RAW MEANING												
0	Passed											
1	Failed											
241	7	1	F1307	A0 MemBank0Test	V	n/a	0	1	none	X5016		
RAW MEANING												
0	Passed											
1	Failed											
242	0	8	F1308	A0_CMOTAB	V	n/a	0	255	none	none		
RAW MEANING												
243	0	8	F1309	A0_ERRCNT	V	n/a	0	255	F0103	none		
CURVE												
244	0	8	F1310	A0_LASTERR	V	n/a			F0103	none		
RAW MEANING												
245	0	8	F1311	A0_CMDCNT	V	n/a	0	255	none	none		
CURVE												
246	0	8	F1312	A0_CMDCNTR	V	n/a	0	255	none	none		
CURVE												
247	0	8	F1313	A0_CMDREJ	V	n/a	0	255	F0103	none		
CURVE												
248	0	16	F1315	A0_BYTEREC	V	n/a	0	65535	none	none		
CURVE												
250	0	16	F1316	A0_ADDRS	V	n/a	0	65535	F0099	none		
CURVE												
252	0	16	F1317	A0_ADDRO	V	n/a	0	65535	F0099	none		
CURVE												
254	0	16	F1318	A0_DATA	V	n/a	0	65535	F0099	none		
CURVE												
256	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none		
CURVE												
256	5	1	F1484	A0 CCD 2 SwiStat	V	n/a	0	1	F0113	none		
RAW MEANING												
0	Off											
1	On											
256	6	1	F1483	A0 CCD 1 SwiStat	V	n/a	0	1	F0113	none		
RAW MEANING												
0	Off											
1	On											
256	7	1	F1319	A0 CCD 0 SwiStat	V	n/a	0	1	F0113	none		
RAW MEANING												
0	Off											
1	On											
257	0	16	F1320	A0_SECCNT	V	n/a	0	65535	none	none		
CURVE												
259	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none		
CURVE												
259	4	1	F1321	A0 IllgCPUInterr	V	n/a	0	1	F0103	none		
RAW MEANING												
0	Not Received											
1	Received											

EPCS TM PACKETS

259	5	1	F1322	A0 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
259	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
260	0	8	F1323	A0_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
261	0	16	F1324	A0_MUPLS	V	n/a	0	65535	F0094	none
CURVE										
263	0	16	F1325	A0_MUPLO	V	n/a	0	65535	F0094	none
CURVE										
265	0	8	F1326	A0_MUPLL	V	n/a	0	232	F0094	none
CURVE										
266	0	16	F1327	A0_ATHRC	V	n/a	0	65535	none	none
CURVE										
268	0	16	F1328	A0_FIFRC	V	n/a	0	65535	none	none
CURVE										
270	0	16	F1329	A0_EPDHC	V	n/a	0	65535	none	none
CURVE										
272	0	16	F1330	A0_DSLINC	V	n/a	0	65535	none	none
CURVE										
274	0	16	F1331	A0_MCM	V	n/a	0	4095	none	none
CURVE										
276	0	16	F1332	A0_IOADDR	V	n/a	0	65535	F0099	none
CURVE										
278	0	16	F1333	A0_IODATA	V	n/a	0	65535	F0099	none
CURVE										
280	0	8	F1314	A0_LASTCMD	V	n/a			none	none
RAW MEANING										
281	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
283	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
284	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
284	1	1	F1335	A0H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
284	2	1	F1336	A0H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
284	3	1	F1337	A0H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									

EPCS TM PACKETS

1	Error										
284	4	1	F1338	A0H ACK Status	V	n/a	0	1	none	none	
RAW MEANING											
0	No Error										
1	Error										
284	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none	
RAW MEANING											
285	0	8	F1339	A0H NegACKErCod	V	n/a			none	none	
RAW MEANING											
286	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none	
CURVE											
287	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none	
CURVE											
287	6	1	F1340	A1 CPU MedianCor	V	n/a	0	1	F0122	none	
RAW MEANING											
0	ON										
1	OFF										
287	7	1	F1341	A1 CPU PMODE	V	n/a	0	1	F0105	none	
RAW MEANING											
0	Idle										
1	Send										
288	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
288	1	1	F1342	A1 EPEA mode	V	n/a	0	1	F0105	none	
RAW MEANING											
0	Nominal										
1	Debug										
288	2	1	F1343	A1 Memory Modify	V	n/a	0	1	F0183	X5003	
RAW MEANING											
0	One time										
1	Continuously										
288	3	1	F1344	A1 Memo Mod Auto	V	n/a	0	1	F0183	none	
RAW MEANING											
0	Off										
1	On										
288	4	1	F1345	A1 EAB/EAWPUTVeR	V	n/a	0	1	none	none	
RAW MEANING											
0	Passed										
1	Failed										
288	5	1	F1346	A1 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none	
RAW MEANING											
0	Enabled										
1	Disabled										
288	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
288	7	1	F1379	A1 MEMCHK active	V	n/a	0	1	F0170	none	
RAW MEANING											
0	Not Active										
1	Active										
289	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none	
RAW MEANING											
289	2	1	F1347	A1 EARAMCHK Stat	V	n/a	0	1	F0175	none	
RAW MEANING											
0	Not Active										
1	Active										
289	3	1	F1348	A1 MemUplinkStat	V	n/a	0	1	F0094	none	
RAW MEANING											
0	Not Active										

EPCS TM PACKETS

1	Active										
289	4	1	F1349	A1 IntVecMemTest	V	n/a	0	1	none	X5017	
RAW MEANING											
0	Passed										
1	Failed										
289	5	1	F1350	A1 MemBank2Test	V	n/a	0	1	none	X5017	
RAW MEANING											
0	Passed										
1	Failed										
289	6	1	F1351	A1 MemBank1Test	V	n/a	0	1	none	X5017	
RAW MEANING											
0	Passed										
1	Failed										
289	7	1	F1352	A1 MemBank0Test	V	n/a	0	1	none	X5017	
RAW MEANING											
0	Passed										
1	Failed										
290	0	8	F1353	A1_CMOTAB	V	n/a	0	255	none	none	
RAW MEANING											
291	0	8	F1354	A1_ERRCNT	V	n/a	0	255	F0103	none	
CURVE											
292	0	8	F1355	A1_LASTERR	V	n/a			F0103	none	
RAW MEANING											
293	0	8	F1356	A1_CMDCNT	V	n/a	0	255	none	none	
CURVE											
294	0	8	F1357	A1_CMDCNTR	V	n/a	0	255	none	none	
CURVE											
295	0	8	F1358	A1_CMDREJ	V	n/a	0	255	F0103	none	
CURVE											
296	0	16	F1360	A1_BYTEREC	V	n/a	0	65535	none	none	
CURVE											
298	0	16	F1361	A1_ADDRS	V	n/a	0	65535	F0099	none	
CURVE											
300	0	16	F1362	A1_ADDRO	V	n/a	0	65535	F0099	none	
CURVE											
302	0	16	F1363	A1_DATA	V	n/a	0	65535	F0099	none	
CURVE											
304	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none	
CURVE											
304	5	1	F1486	A1 CCD 2 SwiStat	V	n/a	0	1	F0113	none	
RAW MEANING											
0	Off										
1	On										
304	6	1	F1485	A1 CCD 1 SwiStat	V	n/a	0	1	F0113	none	
RAW MEANING											
0	Off										
1	On										
304	7	1	F1364	A1 CCD 0 SwiStat	V	n/a	0	1	F0113	none	
RAW MEANING											
0	Off										
1	On										
305	0	16	F1365	A1_SECCNT	V	n/a	0	65535	none	none	
CURVE											

EPCS TM PACKETS

307	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
307	4	1	F1366	A1 IllgCPUInterr	V	n/a	0	1	F0103	none
RAW MEANING										
0	Not Received									
1	Received									
307	5	1	F1367	A1 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
307	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
308	0	8	F1368	A1_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
309	0	16	F1369	A1_MUPLS	V	n/a	0	65535	F0094	none
CURVE										
311	0	16	F1370	A1_MUPLO	V	n/a	0	65535	F0094	none
CURVE										
313	0	8	F1371	A1_MUPLL	V	n/a	0	232	F0094	none
CURVE										
314	0	16	F1372	A1_ATHRC	V	n/a	0	65535	none	none
CURVE										
316	0	16	F1373	A1_FIFRC	V	n/a	0	65535	none	none
CURVE										
318	0	16	F1374	A1_EPDHC	V	n/a	0	65535	none	none
CURVE										
320	0	16	F1375	A1_DSLINC	V	n/a	0	65535	none	none
CURVE										
322	0	16	F1376	A1_MCM	V	n/a	0	4095	none	none
CURVE										
324	0	16	F1377	A1_IOADDR	V	n/a	0	65535	F0099	none
CURVE										
326	0	16	F1378	A1_IODATA	V	n/a	0	65535	F0099	none
CURVE										
328	0	8	F1359	A1_LASTCMD	V	n/a			none	none
RAW MEANING										
329	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
331	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
332	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
332	1	1	F1380	A1H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									

EPCS TM PACKETS

332	2	1	F1381	A1H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
332	3	1	F1382	A1H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
332	4	1	F1383	A1H ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
332	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
333	0	8	F1384	A1H NegACKErCod	V	n/a			none	none
RAW MEANING										
334	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
338	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
339	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
339	6	1	F1385	A2 CPU MedianCor	V	n/a	0	1	F0122	none
RAW MEANING										
0	ON									
1	OFF									
339	7	1	F1386	A2 CPU PMODE	V	n/a	0	1	F0105	none
RAW MEANING										
0	Idle									
1	Send									
340	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
340	1	1	F1387	A2 EPEA mode	V	n/a	0	1	F0105	none
RAW MEANING										
0	Nominal									
1	Debug									
340	2	1	F1388	A2 Memory Modify	V	n/a	0	1	F0183	X5004
RAW MEANING										
0	One time									
1	Continuously									
340	3	1	F1389	A2 Memo Mod Auto	V	n/a	0	1	F0183	none
RAW MEANING										
0	Off									
1	On									
340	4	1	F1390	A2 EAB/EAWPUTVeR	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									
340	5	1	F1391	A2 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none
RAW MEANING										
0	Enabled									
1	Disabled									
340	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
340	7	1	F1424	A2 MEMCHK active	V	n/a	0	1	F0172	none
RAW MEANING										
0	Not Active									
1	Active									

EPCS TM PACKETS

341	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
341	2	1	F1392	A2 EARAMCHK Stat	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Active									
1	Active									
341	3	1	F1393	A2 MemUplinkStat	V	n/a	0	1	F0094	none
RAW MEANING										
0	Not Active									
1	Active									
341	4	1	F1394	A2 IntVecMemTest	V	n/a	0	1	none	X5018
RAW MEANING										
0	Passed									
1	Failed									
341	5	1	F1395	A2 MemBank2Test	V	n/a	0	1	none	X5018
RAW MEANING										
0	Passed									
1	Failed									
341	6	1	F1396	A2 MemBank1Test	V	n/a	0	1	none	X5018
RAW MEANING										
0	Passed									
1	Failed									
341	7	1	F1397	A2 MemBank0Test	V	n/a	0	1	none	X5018
RAW MEANING										
0	Passed									
1	Failed									
342	0	8	F1398	A2_CMOTAB	V	n/a	0	255	none	none
RAW MEANING										
343	0	8	F1399	A2_ERRCNT	V	n/a	0	255	F0103	none
CURVE										
344	0	8	F1400	A2_LASTERR	V	n/a			F0103	none
RAW MEANING										
345	0	8	F1401	A2_CMDCNT	V	n/a	0	255	none	none
CURVE										
346	0	8	F1402	A2_CMDCNTR	V	n/a	0	255	none	none
CURVE										
347	0	8	F1403	A2_CMDREJ	V	n/a	0	255	F0103	none
CURVE										
348	0	16	F1405	A2_BYTEREC	V	n/a	0	65535	none	none
CURVE										
350	0	16	F1406	A2_ADDRS	V	n/a	0	65535	F0099	none
CURVE										
352	0	16	F1407	A2_ADDRO	V	n/a	0	65535	F0099	none
CURVE										
354	0	16	F1408	A2_DATA	V	n/a	0	65535	F0099	none
CURVE										
356	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none
CURVE										
356	5	1	F1488	A2 CCD 2 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									

EPCS TM PACKETS

356	6	1	F1487	A2 CCD 1 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
356	7	1	F1409	A2 CCD 0 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
357	0	16	F1410	A2_SECCNT	V	n/a	0	65535	none	none
CURVE										
359	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
359	4	1	F1411	A2 IllgCPUInterr	V	n/a	0	1	F0103	none
RAW MEANING										
0	Not Received									
1	Received									
359	5	1	F1412	A2 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
359	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
360	0	8	F1413	A2_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
361	0	16	F1414	A2_MUPLS	V	n/a	0	65536	F0094	none
CURVE										
363	0	16	F1415	A2_MUPLO	V	n/a	0	65535	F0094	none
CURVE										
365	0	8	F1416	A2_MUPLL	V	n/a	0	232	F0094	none
CURVE										
366	0	16	F1417	A2_ATHRC	V	n/a	0	65535	none	none
CURVE										
368	0	16	F1418	A2_FIFRC	V	n/a	0	65535	none	none
CURVE										
370	0	16	F1419	A2_EPDHC	V	n/a	0	65535	none	none
CURVE										
372	0	16	F1420	A2_DSLINC	V	n/a	0	65535	none	none
CURVE										
374	0	16	F1421	A2_MCM	V	n/a	0	4095	none	none
CURVE										
376	0	16	F1422	A2_IOADDR	V	n/a	0	65535	F0099	none
CURVE										
378	0	16	F1423	A2_IODATA	V	n/a	0	65535	F0099	none
CURVE										
380	0	8	F1404	A2_LASTCMD	V	n/a			none	none
RAW MEANING										
381	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										

EPCS TM PACKETS

383	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
384	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
384	1	1	F1425	A2H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
384	2	1	F1426	A2H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
384	3	1	F1427	A2H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
384	4	1	F1428	A2H ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
384	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
385	0	8	F1429	A2H NegACKErCod	V	n/a			none	none
RAW MEANING										
386	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
387	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
387	6	1	F1430	A3 CPU MedianCor	V	n/a	0	1	F0122	none
RAW MEANING										
0	ON									
1	OFF									
387	7	1	F1431	A3 CPU PMODE	V	n/a	0	1	F0105	none
RAW MEANING										
0	Idle									
1	Send									
388	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
388	1	1	F1432	A3 EPEA mode	V	n/a	0	1	F0105	none
RAW MEANING										
0	Nominal									
1	Debug									
388	2	1	F1433	A3 Memory Modify	V	n/a	0	1	F0183	X5005
RAW MEANING										
0	One time									
1	Continuously									
388	3	1	F1434	A3 Memo Mod Auto	V	n/a	0	1	F0183	none
RAW MEANING										
0	Off									
1	On									
388	4	1	F1435	A3 EAB/EAWPUTVeR	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									
388	5	1	F1436	A3 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none
RAW MEANING										
0	Enabled									

EPCS TM PACKETS

1	Disabled										
388	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
388	7	1	F1469	A3 MEMCHK active	V	n/a	0	1	F0174	none	
RAW MEANING											
0	Not Active										
1	Active										
389	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none	
RAW MEANING											
389	2	1	F1437	A3 EARAMCHK Sta	V	n/a	0	1	F0175	none	
RAW MEANING											
0	Not Active										
1	Active										
389	3	1	F1438	A3 MemUplink St	V	n/a	0	1	F0094	none	
RAW MEANING											
0	Not Active										
1	Active										
389	4	1	F1439	A3 IntVecMemTest	V	n/a	0	1	none	X5019	
RAW MEANING											
0	Passed										
1	Failed										
389	5	1	F1440	A3 MemBank2Test	V	n/a	0	1	none	X5019	
RAW MEANING											
0	Passed										
1	Failed										
389	6	1	F1441	A3 MemBank1Test	V	n/a	0	1	none	X5019	
RAW MEANING											
0	Passed										
1	Failed										
389	7	1	F1442	A3 MemBank0Test	V	n/a	0	1	none	X5019	
RAW MEANING											
0	Passed										
1	Failed										
390	0	8	F1443	A3_CMOTAB	V	n/a	0	255	none	none	
RAW MEANING											
391	0	8	F1444	A3_ERRCNT	V	n/a	0	255	F0103	none	
CURVE											
392	0	8	F1445	A3_LASTERR	V	n/a			F0103	none	
RAW MEANING											
393	0	8	F1446	A3_CMDCNT	V	n/a	0	255	none	none	
CURVE											
394	0	8	F1447	A3_CMDCNTR	V	n/a	0	255	none	none	
CURVE											
395	0	8	F1448	A3_CMDREJ	V	n/a	0	255	F0103	none	
CURVE											
396	0	16	F1450	A3_BYTEREC	V	n/a	0	65535	none	none	
CURVE											
398	0	16	F1451	A3_ADDRS	V	n/a	0	65535	F0099	none	
CURVE											
400	0	16	F1452	A3_ADDRO	V	n/a	0	65535	F0099	none	
CURVE											
402	0	16	F1453	A3_DATA	V	n/a	0	65535	F0099	none	
CURVE											

EPCS TM PACKETS

404	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none
CURVE										
404	5	1	F1490	A3 CCD 2 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
404	6	1	F1489	A3 CCD 1 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
404	7	1	F1454	A3 CCD 0 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
405	0	16	F1455	A3_SECCNT	V	n/a	0	65535	none	none
CURVE										
407	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
407	4	1	F1456	A3 IllgCPUInterr	V	n/a	0	1	F0103	none
RAW MEANING										
0	Not Received									
1	Received									
407	5	1	F1457	A3 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
407	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
408	0	8	F1458	A3_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
409	0	16	F1459	A3_MUPLS	V	n/a	0	65535	F0094	none
CURVE										
411	0	16	F1460	A3_MUPLO	V	n/a	0	65535	F0094	none
CURVE										
413	0	8	F1461	A3_MUPLL	V	n/a	0	232	F0094	none
CURVE										
414	0	16	F1462	A3_ATHRC	V	n/a	0	65535	none	none
CURVE										
416	0	16	F1463	A3_FIFRC	V	n/a	0	65535	none	none
CURVE										
418	0	16	F1464	A3_EPDHC	V	n/a	0	65535	none	none
CURVE										
420	0	16	F1465	A3_DSLINC	V	n/a	0	65535	none	none
CURVE										
422	0	16	F1466	A3_MCM	V	n/a	0	4095	none	none
CURVE										
424	0	16	F1467	A3_IOADDR	V	n/a	0	65535	F0099	none
CURVE										

EPCS TM PACKETS

426	0	16	F1468	A3_IODATA	V	n/a	0	65535	F0099	none
CURVE										
428	0	8	F1449	A3_LASTCMD	V	n/a			none	none
RAW MEANING										
429	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
431	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
432	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
432	1	1	F1470	A3H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
432	2	1	F1471	A3H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
432	3	1	F1472	A3H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
432	4	1	F1473	A3H ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
432	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
433	0	8	F1474	A3H NegACKErCod	V	n/a			none	none
RAW MEANING										
434	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50007	1792	SuccessfulCommExecut	4	1	16	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 7: 1000

Bit	Width	Name	F/V	Value
0	8	SID	F	16
8	8	Spare	F	0

Offset Word 1: variable

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

Offset Word 2: variable

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

Offset Word 3: 0341

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	16	F2001	TC SequenceCount	V	n/a					none	none
CURVE												

EPCS TM PACKETS

EPIC-EST-TN-005 I.3
Appendix M

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50008	1792	FullScientificBuffer	4	1	47	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 7: 2F00

Bit	Width	Name	F/V	Value
0	8	SID	F	47
8	8	Spare	F	0

Offset Word 1: variable

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

Offset Word 2: variable

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

Offset Word 3: 0341

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	16	F2004	HBR Identifier	V	n/a		1	4		none	none
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50009	1792	SuccLoadTaskTCExecut	4	1	18	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 7: 1200

Bit	Width	Name	F/V	Value
0	8	SID	F	18
8	8	Spare	F	0

Offset Word 1: variable

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

Offset Word 2: variable

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

Offset Word 3: 0341

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	16	F2001	TC SequenceCount	V	n/a					none	none
CURVE												
18	0	16	F2002	TaskProcessIdent	V	n/a					none	none
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50010	1792	ErrorOnEnterDiagMode	4	3	114	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 7: 72//

Bit	Width	Name	F/V	Value
0	8	SID	F	114

Offset Word 1: variable

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

Offset Word 2: variable

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

Offset Word 3: 0343

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	16	F2067	EACMMODEStartLin	V	n/a					none	none
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50011	1792	LBR Protocol Error	4	2	81	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 7: 51//

Bit	Width	Name	F/V	Value
0	8	SID	F	81

Offset Word 1: variable

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

Offset Word 2: variable

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

Offset Word 3: 0342

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	F2003	LBRProtocolError	V	n/a		1	250		none	none

- RAW MEANING
- 1 BeginIDnotFF
 - 2 WrongLength
 - 3 UARTRecError
 - 4 WrongParaNum
 - 5 WrongParamet
 - 6 DiffEPEAAckn
 - 8 FailedLCVeri
 - 17 WrongFramCHK
 - 34 Unknown LC
 - 51 Timeout
 - 68 LC rejected
 - 113 EA 0 failed
 - 114 EA 1 failed
 - 115 EA0,1 failed
 - 116 EA 2 failed
 - 117 EA2,0 failed
 - 118 EA2,1 failed
 - 119 EA2,1,0faile
 - 120 EA 3 failed
 - 121 EA3,0 failed
 - 122 EA3,1 failed
 - 123 EA3,1,0faile
 - 124 EA3,2 failed
 - 125 EA3,2,0faile
 - 126 EA3,2,1 faile
 - 127 EA3,2,1,0fai
 - 250 EMDHresponse

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50012	1792	FailedInitialization	4	3	112	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: 70//

Bit	Width	Name	F/V	Value
0	8	SID	F	112

Offset Word 2: variable

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

Offset Word 3: 0343

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	16	F2057	MasterInitRepBit	V	n/a		0	1		none	none
RAW MEANING												
0	Valid											
1	Not Valid											
18	0	16	F2058	MasInRepSPROMerc	V	n/a					none	none
CURVE												
20	0	16	F2059	MastInRepPROCrc	V	n/a					none	none
CURVE												
22	0	16	F2060	MastInRepRAMrslt	V	n/a		0	1		none	none
RAW MEANING												
0	Valid											
1	Not Valid											
24	0	16	F2061	MasInReFaultPGnm	V	n/a					none	none
CURVE												
26	0	16	F2062	MasInReFaultPGof	V	n/a					none	none
CURVE												
28	0	16	F2063	MastInitReRAMerc	V	n/a					none	none
CURVE												
30	0	16	F2064	ResPerProcLoadin	V	n/a		0	1		none	none
RAW MEANING												
0	Valid											
1	Not Valid											

EPCS TM PACKETS

32	0	16	FIX	Filler	F	n/a	0				
CURVE											
34	0	16	F2065	InitprFirstssbUn	V	n/a	0	1	none	none	
RAW MEANING											
0	Valid										
1	Not Valid										
36	0	16	F2066	EPCE HK DataFlag	V	n/a	0	1	none	none	
RAW MEANING											
0	Valid										
1	Not Valid										
38	0	16	F1053	C CE_SECCNT	V	n/a	0	65535	none	none	
CURVE											
40	0	8	F1054	C CE_ERRCNT	V	n/a	0	255	F0078	none	
CURVE											
41	0	8	F1055	C CE_LASTERR	V	n/a	0	255	F0078	none	
RAW MEANING											
42	0	8	F1056	C CE_CMDCNT	V	n/a	0	255	none	none	
CURVE											
43	0	8	F1057	C CE_CMDREJ	V	n/a	0	255	F0078	none	
CURVE											
44	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none	
CURVE											
45	0	8	F1059	C CE_OVRRUNS	V	n/a	0	255	none	none	
CURVE											
46	0	16	F1060	C CE_BYTEREC	V	n/a	0	65535	none	none	
CURVE											
48	0	16	F1061	C CE_BYTESND	V	n/a	0	65535	none	none	
CURVE											
50	0	8	F1062	C CE_CMDCNTR	V	n/a	0	255	none	none	
CURVE											
51	0	1	F1063	CErrSIF MasterST	V	n/a	0	1	F0078	none	
RAW MEANING											
0	Ready										
1	Not Ready										
51	1	1	F1064	CErr EPCE ADC ST	V	n/a	0	1	F0078	none	
RAW MEANING											
0	Ready										
1	Not Ready										
51	2	1	F1065	CErr UART InpuST	V	n/a	0	1	F0078	none	
RAW MEANING											
0	No Overrun										
1	Overrun										
51	3	1	F1066	CErr EPVC ADC ST	V	n/a	0	1	F0078	none	
RAW MEANING											
0	Ready										
1	Not Ready										
51	4	1	F1067	CErrIlgCPUInterr	V	n/a	0	1	F0078	none	
RAW MEANING											
0	Not Received										
1	Received										
51	5	1	F1068	C Err RAM Check	V	n/a	0	1	F0179	none	
RAW MEANING											
0	Not Occured										
1	Occured										

EPCS TM PACKETS

51	6	1	F1058	C FWTH ADC Stat	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
51	7	1	F1475	C TimSignMissing	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Missing									
1	Missing									
52	0	8	F1069	C CE_TEMPCPU	V	degC			none	none
CURVE ENG (°C) = RAW*1.73-270										
53	0	8	F1070	C CE_TEMPBOX	V	degC			none	none
CURVE ENG (°C) = RAW*1.73-270										
54	0	8	F1071	C CE_WBOOTS	V	n/a	0	255	F0078	none
CURVE										
55	0	8	F1072	C CE_INTCNT	V	n/a	0	255	none	none
CURVE										
56	0	8	F1073	C CE_WDOGCNT	V	n/a	0	255	F0078	none
CURVE										
57	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
57	4	1	F1074	C CE_QUADSEL #3	V	n/a	0	1	F0092	none
RAW MEANING										
0	Not Selected									
1	Selected									
57	5	1	F1075	C CE_QUADSEL #2	V	n/a	0	1	F0092	none
RAW MEANING										
0	Not Selected									
1	Selected									
57	6	1	F1076	C CE_QUADSEL #1	V	n/a	0	1	F0092	none
RAW MEANING										
0	Not Selected									
1	Selected									
57	7	1	F1077	C CE_QUADSEL #0	V	n/a	0	1	F0092	none
RAW MEANING										
0	Not Selected									
1	Selected									
58	0	1	F1078	C EPCE Active	V	n/a	0	1	none	none
RAW MEANING										
0	Nominal									
1	Redundant									
58	1	1	F1079	C EPCE Mode	V	n/a	0	1	F0083	none
RAW MEANING										
0	Nominal									
1	Debug									
58	2	1	F1080	C EPCEMemoModify	V	n/a	0	1	F0091	X5001
RAW MEANING										
0	One time									
1	Continuously									
58	3	1	F1081	C EPCEMemModAuto	V	n/a	0	1	F0091	none
RAW MEANING										
0	Off									
1	On									
58	4	1	F1082	CCEB/CEWPUT VeRe	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									

EPCS TM PACKETS

58	5	1	F1083	CCEB/CEWPUT VeSt	V	n/a	0	1	F0091	none
RAW MEANING										
0	Enabled									
1	Disabled									
58	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
58	7	1	F1476	CEMEMCHK active	V	n/a	0	1	F0065	none
RAW MEANING										
0	Not Active									
1	Active									
59	0	1	F1084	C FWGOTO Status	V	n/a	0	1	F0129	none
RAW MEANING										
0	Not Active									
1	Active									
59	1	1	F1085	C FWCAL Status	V	n/a	0	1	F0130	none
RAW MEANING										
0	Not Active									
1	Active									
59	2	1	F1086	CCERAMCHK Status	V	n/a	0	1	F0179	none
RAW MEANING										
0	Not Active									
1	Active									
59	3	1	F1087	C MemUplinkStatus	V	n/a	0	1	F0082	none
RAW MEANING										
0	Not Active									
1	Active									
59	4	1	F1088	CCEIntVecMemTest	V	n/a	0	1	none	X5015
RAW MEANING										
0	Passed									
1	Failed									
59	5	1	F1089	C CEMemBank2Test	V	n/a	0	1	none	X5015
RAW MEANING										
0	Passed									
1	Failed									
59	6	1	F1090	C CEMemBank1Test	V	n/a	0	1	none	X5015
RAW MEANING										
0	Passed									
1	Failed									
59	7	1	F1091	C CEMemBank0Test	V	n/a	0	1	none	X5015
RAW MEANING										
0	Passed									
1	Failed									
60	0	16	F1092	C CE_MSG	V	n/a	0	65535	F0079	none
CURVE										
62	0	16	F1093	C CE_ADDRS	V	n/a	0	65535	F0088	none
CURVE										
64	0	16	F1094	C CE_ADDRO	V	n/a	0	65535	F0088	none
CURVE										
66	0	16	F1095	C CE_DATA	V	n/a	0	65535	F0088	none
CURVE										
68	0	16	F1096	C CE_MEMCHKSS	V	n/a	0	65535	F0065	none
CURVE										
70	0	16	F1097	C CE_MEMCHKSO	V	n/a	0	65535	F0065	none
CURVE										
72	0	16	F1098	C CE_MEMCHKLEN	V	n/a	0	65535	F0065	none
CURVE										

EPCS TM PACKETS

74	0	16	F1099	C CE_MEMCHKSUM	V	n/a	0	65535	F0065	none
CURVE										
76	0	16	F1100	C CE_RAMCHKSS	V	n/a			F0179	none
CURVE										
78	0	16	F1101	C CE_RAMCHKSO	V	n/a	0	65535	F0179	none
CURVE										
80	0	16	F1102	C CE_RAMCHKLEN	V	n/a	0	65535	F0179	none
CURVE										
82	0	4	F1103	C CE_DCREG slave	V	n/a	0	7	F0194	none
CURVE										
82	4	4	F1204	C CE_DCREGmaster	V	n/a	0	7	F0194	none
CURVE										
83	0	16	F1104	C CE_DCCMD	V	n/a	0	65535	F0194	none
CURVE										
85	0	8	F1105	C CE_DCSTAT	V	n/a	0	65535	F0194	none
CURVE										
86	0	16	F1106	C CE_DCDAATA	V	n/a	0	65535	F0194	none
CURVE										
88	0	8	F1107	C CE_LASTCMD	V	n/a	0	255	none	none
RAW MEANING										
89	0	16	F1108	C CE_MUPL_S	V	n/a	0	65535	F0082	none
CURVE										
91	0	16	F1109	C CE_MUPL_O	V	n/a	0	65535	F0082	none
CURVE										
93	0	8	F1110	C CE_MUPL_L	V	n/a	0	232	F0082	none
CURVE										
94	0	1	F1111	H FW Moving Mode	V	n/a	0	1	F0126	none
RAW MEANING										
0	Emergency									
1	Normal									
94	1	1	F1112	HFW Moving Direc	V	n/a	0	1	F0125	none
RAW MEANING										
0	Up									
1	Down									
94	2	1	F1113	H FW Stop Sensor	V	n/a	0	1	F0190	none
RAW MEANING										
0	Enabled									
1	Disabled									
94	3	11	F1114	HFW TimeOut Step	V	n/a	0	1599	F0123	none
CURVE										
95	6	1	F1115	HFW Moving Speed	V	n/a	0	1	F0188	none
RAW MEANING										
0	Slow									
1	Fast									
95	7	1	F1116	H FW TimeOutStop	V	n/a	0	1	F0189	none
RAW MEANING										
0	Disabled									
1	Enabled									
96	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										

EPCS TM PACKETS

96	3	1	F1117	H FW PW Pos&Temp	V	n/a	0	1	F0127	none
RAW MEANING										
0	Off									
1	On									
96	4	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
97	2	3	F1118	H FW PosSensorST	V	n/a	0	7	F0129	X5020
RAW MEANING										
0	Open									
1	Filter D									
2	Filter C									
3	Filter B									
4	Filter A									
5	Close									
7	No Stop Pos.									
97	5	1	F1119	HFW Motor Status	V	n/a	0	1	F0124	none
RAW MEANING										
0	Stopped									
1	Running									
97	6	1	F1120	HFW StopPosition	V	n/a	0	1	none	none
RAW MEANING										
0	Not Active									
1	Active									
97	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
98	0	16	F1122	H CE_FWSPOT	V	n/a	0	359,9	none	X5020
CURVE $ENG (^{\circ}C) = RAW * (-0.8547) + 417.094$										
100	0	16	F1123	H CE_FWTEMP1	V	degC			none	X5020
CURVE $ENG (^{\circ}C) = RAW * (-0.8967) + 186.088$										
102	0	16	F1124	H CE_FWTEMP2	V	degC			none	X5020
CURVE $ENG (^{\circ}C) = RAW * (-0.8967) + 186.088$										
104	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
105	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
105	4	1	F1125	HFW DecontHeaLtc	V	n/a	0	1	none	none
RAW MEANING										
0	ON									
1	OFF									
105	5	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
105	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
105	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
106	0	16	F1127	H CE_TTMPFPC	V	degC			none	none
CURVE $ENG (^{\circ}C) = RAW * (-0.7303) + 129.6629$										

EPCS TM PACKETS

108	0	16	F1128	H CE_TTMPFPF	V	degC			none	none
CURVE ENG (°C) = RAW*(-0.07421)-91.2987										
110	0	16	F1129	H CE_TTMPS	V	degC			none	none
CURVE ENG (°C) = RAW*(-0.7303)+129.6629										
112	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
113	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none
CURVE										
113	5	1	F1130	H HOP PW Sensor	V	n/a	0	1	F0191	none
RAW MEANING										
0 Off										
1 On										
113	6	1	F1131	H HOP Retracted	V	n/a	0	1	none	X5000
RAW MEANING										
0 Retracted										
1 NotRetracted										
113	7	1	F1132	HHOP Door Status	V	n/a	0	1	F0044	X5000
RAW MEANING										
0 Open										
1 Closed										
114	0	8	F1133	C CE_U+5D	V	V	4,7	5,3	none	none
CURVE ENG (V) = RAW*0.045										
115	0	8	F1134	C CE_U+5A	V	V	4,7	5,3	none	none
CURVE ENG (V) = RAW*0.044										
116	0	8	F1135	C CE_U-15A	V	V	-15,5	-14,5	none	none
CURVE ENG (V) = RAW*(-0.13)										
117	0	8	F1136	C CE_UDGND	V	V	-0,5	0,5	none	none
CURVE ENG (V) = RAW*0.01954-2.5										
118	0	8	F1137	C CE_CU+5A	V	V	4,7	5,3	none	none
CURVE ENG (V) = RAW*0.036										
119	0	8	F1138	C CE_CU-15A	V	V	-15,5	-14,5	none	none
CURVE ENG (V) = RAW*(-0.0711)										
120	0	1	F1139	C ErA0 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0 Ready										
1 Not Ready										
120	1	1	F1140	CErA0 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0 No Error										
1 Error										

EPCS TM PACKETS

120	2	1	F1141	C ErA0 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
120	3	1	F1142	CErA0 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
120	4	1	F1143	CErA0 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
120	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
121	0	8	F1144	C ErA0 NegACKCod	V	n/a			F0078	none
RAW MEANING										
122	0	1	F1145	C ErA1 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
122	1	1	F1146	CErA1 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
122	2	1	F1147	C ErA1 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
122	3	1	F1148	CErA1 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
122	4	1	F1149	CErA1 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
122	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
123	0	8	F1150	C ErA1 NegACKCod	V	n/a			F0078	none
RAW MEANING										
124	0	1	F1151	C ErA2 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
124	1	1	F1152	CErA2 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
124	2	1	F1153	C ErA2 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
124	3	1	F1154	CErA2 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
124	4	1	F1155	CErA2 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									

EPCS TM PACKETS

124	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
125	0	8	F1156	C ErA2 NegACKCod	V	n/a			F0078	none
RAW MEANING										
126	0	1	F1157	C ErA3 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
126	1	1	F1158	CErA3 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
126	2	1	F1159	C ErA3 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
126	3	1	F1160	CErA3 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
126	4	1	F1161	CErA3 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
126	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
127	0	8	F1162	C ErA3 NegACKCod	V	n/a			F0078	none
RAW MEANING										
128	0	16	F1163	C CE_IOADDR	V	n/a	0	65535	F0088	none
CURVE										
130	0	16	F1164	C CE_IODATA	V	n/a	0	65535	F0088	none
CURVE										
132	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
132	1	1	F1165	C RecTabDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
132	2	1	F1477	C RecHKDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
132	3	1	F1478	C TransComShowin	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
132	4	1	F1479	C TraTabDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
132	5	1	F1480	C TranHKDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
132	6	1	F1481	C ReceivCommShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									

EPCS TM PACKETS

132	7	1	F1482	C HexComDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
133	0	16	F1166	C CE_SSEG	V	n/a	0	65535	none	none
CURVE										
135	0	16	F1167	C CE_DSEG	V	n/a	0	65535	none	none
CURVE										
137	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
138	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
138	2	1	F1168	VCurrentMeasCoSw	V	n/a	0	1	F0142	none
RAW MEANING										
0	Enabled									
1	Disabled									
138	3	1	F1169	VConvSync Switch	V	n/a	0	1	F0143	none
RAW MEANING										
0	Enabled									
1	Disabled									
138	4	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
139	0	1	F1170	VAcSTSwitchThPW2	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	1	1	F1171	VAcSTSwitchThPW1	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	2	1	F1172	V AcSTSwitchFW	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	3	1	F1173	V AcSTSwitchHT	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	4	1	F1174	V AcSTSwitchQua3	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	5	1	F1175	V AcSTSwitchQua2	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	6	1	F1176	V AcSTSwitchQua1	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	7	1	F1177	V AcSTSwitchQua0	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
140	0	1	F1178	V SwitchThermPW2	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
140	1	1	F1179	V SwitchThermPW1	V	n/a	0	1	none	none
RAW MEANING										

EPCS TM PACKETS

0	Off											
1	On											
140	2	1	F1180	V Switch FW	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
140	3	1	F1181	V Switch HT	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
140	4	1	F1182	V Switch Qua3	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
140	5	1	F1183	V Switch Qua2	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
140	6	1	F1184	V Switch Qua1	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
140	7	1	F1185	V Switch Qua0	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
141	0	8	F1186	V VC_TEMP1	V	degC			none	none		
CURVE ENG (°C) = RAW*1.73-270												
142	0	8	F1187	V VC_TEMP2	V	V			none	none		
CURVE ENG (°C) = RAW*1.73-270												
143	0	8	F1188	V VC_IMAIN	V	mA			none	X5006		
CURVE ENG (mA) = RAW*3.617												
144	0	8	F1189	V VC_IQ0	V	mA			none	X5006		
CURVE ENG (mA) = RAW*4.0												
145	0	8	F1190	V VC_IQ1	V	mA			none	X5006		
CURVE ENG (mA) = RAW*3.777												
146	0	8	F1191	V VC_IQ2	V	mA			none	X5006		
CURVE ENG (mA) = RAW*3.273												
147	0	8	F1192	V VC_IQ3	V	mA			none	X5006		
CURVE ENG (mA) = RAW*3.491												
148	0	8	F1193	V VC_IHT	V	mA			none	X5006		
CURVE ENG (mA) = RAW*5.74+42.778												
149	0	8	F1194	V VC_HV0CTRL	V	n/a	0	255	F0141	none		
RAW MEANING												
150	0	8	F1195	V VC_HV1CTRL	V	n/a	0	255	F0141	none		
RAW MEANING												
151	0	8	F1196	V VC_HV2CTRL	V	n/a	0	255	F0141	none		
RAW MEANING												
152	0	8	F1197	V VC_HV3CTRL	V	n/a	0	255	F0141	none		
RAW MEANING												

EPCS TM PACKETS

153	0	16	F1198	V VC_UHV0	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
155	0	16	F1199	V VC_UHV1	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
157	0	16	F1200	V VC_UHV2	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
159	0	16	F1201	V VC_UHV3	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
161	0	8	F1202	V VC_HTCTRL	V	n/a	0	255	F0141	none
CURVE										
162	0	16	F1203	V VC_UHT	V	V	0	40	F0141	none
CURVE ENG (V) = RAW*(-0.10756)+54.532										
164	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
165	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
165	3	1	F1205	EQUCH0 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
165	4	1	F1206	EQUCH0 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
165	5	1	F1207	EQUCH0 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
165	6	1	F1208	EQUCH0 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
165	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
166	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
166	3	1	F1209	EQUCH1 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
166	4	1	F1210	EQUCH1 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
166	5	1	F1211	EQUCH1 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
166	6	1	F1212	EQUCH1 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
166	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										

EPCS TM PACKETS

167	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
167	3	1	F1213	EQUCH2 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
167	4	1	F1214	EQUCH2 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
167	5	1	F1215	EQUCH2 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
167	6	1	F1216	EQUCH2 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
167	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
168	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
168	3	1	F1217	EQUCH3 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
168	4	1	F1218	EQUCH3 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
168	5	1	F1219	EQUCH3 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
168	6	1	F1220	EQUCH3 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
168	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
169	0	1	F1221	ECACH0 TstPulse	V	n/a	0	1	F0162	none
RAW MEANING										
0	Disabled									
1	Enabled									
169	1	1	F1222	ECACH0 TstSwitc3	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
169	2	1	F1223	ECACH0 TstSwitc2	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
169	3	1	F1224	ECACH0 TstSwitc1	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
169	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
169	5	1	F1225	ECACH0 GainCame2	V	n/a	0	1	F0163	none
RAW MEANING										

EPCS TM PACKETS

0	Low											
1	High											
169	6	1	F1226	ECACH0 GainCame1	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
169	7	1	F1227	ECACH0 GainCame0	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
170	0	1	F1228	ECACH1 TstPulse	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Disabled											
1	Enabled											
170	1	1	F1229	ECACH1 TstSwitc3	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
170	2	1	F1230	ECACH1 TstSwitc2	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
170	3	1	F1231	ECACH1 TstSwitc1	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
170	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none		
RAW MEANING												
170	5	1	F1232	ECACH1 GainCame2	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
170	6	1	F1233	ECACH1 GainCame1	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
170	7	1	F1234	ECACH1 GainCame0	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
171	0	1	F1235	ECACH2 TstPulse	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Disabled											
1	Enabled											
171	1	1	F1236	ECACH2 TstSwitc3	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
171	2	1	F1237	ECACH2 TstSwitc2	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
171	3	1	F1238	ECACH2 TstSwitc1	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
171	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none		
RAW MEANING												
171	5	1	F1239	ECACH2 GainCame2	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											

EPCS TM PACKETS

171	6	1	F1240	ECACH2 GainCame1	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
171	7	1	F1241	ECACH2 GainCame0	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
172	0	1	F1242	E CACH3 TstPulse	V	n/a	0	1	F0162	none
RAW MEANING										
0	Disabled									
1	Enabled									
172	1	1	F1243	ECACH3 TstSwitc3	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
172	2	1	F1244	ECACH3 TstSwitc2	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
172	3	1	F1245	ECACH3 TstSwitc1	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
172	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
172	5	1	F1246	ECACH3 GainCame2	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
172	6	1	F1247	ECACH3 GainCame1	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
172	7	1	F1248	ECACH3 GainCame0	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
173	0	8	F1249	E C0_UVBST	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.05869)										
174	0	8	F1250	E C1_UVBST	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.05869)										
175	0	8	F1251	E C2_UVBST	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.05825)										
176	0	8	F1252	E C3_UVBST	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.05869)										
177	0	16	F1253	E C0_TEMPCCD	V	mV			none	none
CURVE ENG (mV) = RAW*(-1.74292)										
179	0	16	F1254	E C1_TEMPCCD	V	mV			none	none
CURVE ENG (mV) = RAW*(-1.74292)										
181	0	16	F1255	E C2_TEMPCCD	V	mV			none	none
CURVE ENG (mV) = RAW*(-1.74292)										
183	0	16	F1256	E C3_TEMPCCD	V	mV			none	none
CURVE ENG (mV) = RAW*(-1.74292)										
185	0	8	F1257	E C0_IVSSA	V	mA			none	none
CURVE ENG (mA) = RAW*0.29851										

EPCS TM PACKETS

186	0	8	F1258	E C1_IVSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
187	0	8	F1259	E C2_IVSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.298214									
188	0	8	F1260	E C3_IVSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
189	0	8	F1261	E C0_IVSSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
190	0	8	F1262	E C1_IVSSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
191	0	8	F1263	E C2_IVSSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.298214									
192	0	8	F1264	E C3_IVSSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
193	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
194	0	16	F1265	H OH_CTRL	V	n/a			F0132	none
CURVE										
196	0	16	F1266	H OH_STAT	V	n/a			F0133	none
CURVE										
198	0	16	F1267	H OH_TEMP	V	n/a			F0131	none
CURVE										
200	0	16	F1268	H DH_CTRL	V	n/a			F0135	none
CURVE										
202	0	16	F1269	H DH_STAT	V	n/a			F0136	none
CURVE										
204	0	16	F1270	H DH_TEMP	V	n/a			F0134	none
CURVE										
206	0	8	F1271	V VC_IFW	V	mA			none	X5006
CURVE	ENG (mA) = RAW*4.082									
207	0	8	F1272	V VC_IT	V	mA			none	X5006
CURVE	ENG (mA) = RAW*6.818									
208	0	8	F1273	C CE_ERR1	V	n/a			F0078	none
RAW MEANING										
209	0	8	F1274	C CE_ERR2	V	n/a			F0078	none
RAW MEANING										
210	0	8	F1275	C CE_ERR3	V	n/a			F0078	none
RAW MEANING										
211	0	8	F1276	C CE_ERR4	V	n/a			F0078	none
RAW MEANING										
212	0	8	F1277	C CE_ERR5	V	n/a			F0078	none
RAW MEANING										

EPCS TM PACKETS

213	0	8	F1278	C CE_ERR6	V	n/a		F0078	none
RAW MEANING									
214	0	8	F1279	C CE_ERR7	V	n/a		F0078	none
RAW MEANING									
215	0	8	F1280	C CE_ERR8	V	n/a		F0078	none
RAW MEANING									
216	0	8	F1281	C CE_ERR9	V	n/a		F0078	none
RAW MEANING									
217	0	8	F1282	C CE_ERR10	V	n/a		F0078	none
RAW MEANING									
218	0	8	F1283	C CE_ERR11	V	n/a		F0078	none
RAW MEANING									
219	0	8	F1284	C CE_ERR12	V	n/a		F0078	none
RAW MEANING									
220	0	8	F1285	C CE_ERR13	V	n/a		F0078	none
RAW MEANING									
221	0	8	F1286	C CE_ERR14	V	n/a		F0078	none
RAW MEANING									
222	0	8	F1287	C CE_ERR15	V	n/a		F0078	none
RAW MEANING									
223	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none none
CURVE									
227	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none none
CURVE									
231	0	6	F1909	Spare 6 bits	V	n/a	0	63	none none
CURVE									
231	6	1	F1288	C MasterSeqClock	V	n/a	0	1	F0093 none
RAW MEANING									
0	Disabled								
1	Enabled								
231	7	1	F1289	C Select ReadQua	V	n/a	0	1	F0093 none
RAW MEANING									
0	Parallel								
1	Sequential								
232	0	1	F1290	CMS QuaSelected3	V	n/a	0	1	F0093 none
RAW MEANING									
0	Off								
1	On								
232	1	1	F1291	CMS QuaSelected2	V	n/a	0	1	F0093 none
RAW MEANING									
0	Off								
1	On								
232	2	1	F1292	CMS QuaSelected1	V	n/a	0	1	F0093 none
RAW MEANING									
0	Off								
1	On								
232	3	1	F1293	CMS QuaSelected0	V	n/a	0	1	F0093 none
RAW MEANING									
0	Off								
1	On								
232	4	4	F1294	CMS TimIntReaQua	V	n/a		F0093	none
CURVE									

EPCS TM PACKETS

233	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
237	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
239	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
239	6	1	F1295	A0 CPU MedianCor	V	n/a	0	1	F0122	none
RAW MEANING										
0	ON									
1	OFF									
239	7	1	F1296	A0 CPU PMODE	V	n/a	0	1	F0105	none
RAW MEANING										
0	Idle									
1	Send									
240	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
240	1	1	F1297	A0 EPEA mode	V	n/a	0	1	F0105	none
RAW MEANING										
0	Nominal									
1	Debug									
240	2	1	F1298	A0 Memory Modify	V	n/a	0	1	F0183	X5002
RAW MEANING										
0	One time									
1	Continuously									
240	3	1	F1299	A0 Memo Mod Auto	V	n/a	0	1	F0183	none
RAW MEANING										
0	Off									
1	On									
240	4	1	F1300	A0 EAB/EAWPUTVeR	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									
240	5	1	F1301	A0 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none
RAW MEANING										
0	Enabled									
1	Disabled									
240	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
240	7	1	F1334	A0 MEMCHK active	V	n/a	0	1	F0068	none
RAW MEANING										
0	Not Active									
1	Active									
241	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
241	2	1	F1302	A0 EARAMCHK Stat	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Active									
1	Active									
241	3	1	F1303	A0 MemUplinkStat	V	n/a	0	1	F0094	none
RAW MEANING										
0	Not Active									
1	Active									
241	4	1	F1304	A0 IntVecMemTest	V	n/a	0	1	none	X5016
RAW MEANING										
0	Passed									
1	Failed									
241	5	1	F1305	A0 MemBank2Test	V	n/a	0	1	none	X5016
RAW MEANING										

EPCS TM PACKETS

0	Passed											
1	Failed											
241	6	1	F1306	A0 MemBank1Test	V	n/a	0	1	none	X5016		
RAW MEANING												
0	Passed											
1	Failed											
241	7	1	F1307	A0 MemBank0Test	V	n/a	0	1	none	X5016		
RAW MEANING												
0	Passed											
1	Failed											
242	0	8	F1308	A0_CMOTAB	V	n/a	0	255	none	none		
RAW MEANING												
243	0	8	F1309	A0_ERRCNT	V	n/a	0	255	F0103	none		
CURVE												
244	0	8	F1310	A0_LASTERR	V	n/a			F0103	none		
RAW MEANING												
245	0	8	F1311	A0_CMDCNT	V	n/a	0	255	none	none		
CURVE												
246	0	8	F1312	A0_CMDCNTR	V	n/a	0	255	none	none		
CURVE												
247	0	8	F1313	A0_CMDREJ	V	n/a	0	255	F0103	none		
CURVE												
248	0	16	F1315	A0_BYTEREC	V	n/a	0	65535	none	none		
CURVE												
250	0	16	F1316	A0_ADDRS	V	n/a	0	65535	F0099	none		
CURVE												
252	0	16	F1317	A0_ADDRO	V	n/a	0	65535	F0099	none		
CURVE												
254	0	16	F1318	A0_DATA	V	n/a	0	65535	F0099	none		
CURVE												
256	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none		
CURVE												
256	5	1	F1484	A0 CCD 2 SwiStat	V	n/a	0	1	F0113	none		
RAW MEANING												
0	Off											
1	On											
256	6	1	F1483	A0 CCD 1 SwiStat	V	n/a	0	1	F0113	none		
RAW MEANING												
0	Off											
1	On											
256	7	1	F1319	A0 CCD 0 SwiStat	V	n/a	0	1	F0113	none		
RAW MEANING												
0	Off											
1	On											
257	0	16	F1320	A0_SECCNT	V	n/a	0	65535	none	none		
CURVE												
259	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none		
CURVE												
259	4	1	F1321	A0 IllgCPUInterr	V	n/a	0	1	F0103	none		
RAW MEANING												
0	Not Received											
1	Received											

EPCS TM PACKETS

259	5	1	F1322	A0 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
259	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
260	0	8	F1323	A0_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
261	0	16	F1324	A0_MUPLS	V	n/a	0	65535	F0094	none
CURVE										
263	0	16	F1325	A0_MUPLO	V	n/a	0	65535	F0094	none
CURVE										
265	0	8	F1326	A0_MUPLL	V	n/a	0	232	F0094	none
CURVE										
266	0	16	F1327	A0_ATHRC	V	n/a	0	65535	none	none
CURVE										
268	0	16	F1328	A0_FIFRC	V	n/a	0	65535	none	none
CURVE										
270	0	16	F1329	A0_EPDHC	V	n/a	0	65535	none	none
CURVE										
272	0	16	F1330	A0_DSLINC	V	n/a	0	65535	none	none
CURVE										
274	0	16	F1331	A0_MCM	V	n/a	0	4095	none	none
CURVE										
276	0	16	F1332	A0_IOADDR	V	n/a	0	65535	F0099	none
CURVE										
278	0	16	F1333	A0_IODATA	V	n/a	0	65535	F0099	none
CURVE										
280	0	8	F1314	A0_LASTCMD	V	n/a			none	none
RAW MEANING										
281	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
283	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
284	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
284	1	1	F1335	A0H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
284	2	1	F1336	A0H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
284	3	1	F1337	A0H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									

EPCS TM PACKETS

1	Error										
284	4	1	F1338	A0H ACK Status	V	n/a	0	1	none	none	
RAW MEANING											
0	No Error										
1	Error										
284	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none	
RAW MEANING											
285	0	8	F1339	A0H NegACKErCod	V	n/a			none	none	
RAW MEANING											
286	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none	
CURVE											
287	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none	
CURVE											
287	6	1	F1340	A1 CPU MedianCor	V	n/a	0	1	F0122	none	
RAW MEANING											
0	ON										
1	OFF										
287	7	1	F1341	A1 CPU PMODE	V	n/a	0	1	F0105	none	
RAW MEANING											
0	Idle										
1	Send										
288	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
288	1	1	F1342	A1 EPEA mode	V	n/a	0	1	F0105	none	
RAW MEANING											
0	Nominal										
1	Debug										
288	2	1	F1343	A1 Memory Modify	V	n/a	0	1	F0183	X5003	
RAW MEANING											
0	One time										
1	Continuously										
288	3	1	F1344	A1 Memo Mod Auto	V	n/a	0	1	F0183	none	
RAW MEANING											
0	Off										
1	On										
288	4	1	F1345	A1 EAB/EAWPUTVeR	V	n/a	0	1	none	none	
RAW MEANING											
0	Passed										
1	Failed										
288	5	1	F1346	A1 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none	
RAW MEANING											
0	Enabled										
1	Disabled										
288	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
288	7	1	F1379	A1 MEMCHK active	V	n/a	0	1	F0170	none	
RAW MEANING											
0	Not Active										
1	Active										
289	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none	
RAW MEANING											
289	2	1	F1347	A1 EARAMCHK Stat	V	n/a	0	1	F0175	none	
RAW MEANING											
0	Not Active										
1	Active										
289	3	1	F1348	A1 MemUplinkStat	V	n/a	0	1	F0094	none	
RAW MEANING											
0	Not Active										

EPCS TM PACKETS

1	Active										
289	4	1	F1349	A1 IntVecMemTest	V	n/a	0	1	none	X5017	
RAW MEANING											
0	Passed										
1	Failed										
289	5	1	F1350	A1 MemBank2Test	V	n/a	0	1	none	X5017	
RAW MEANING											
0	Passed										
1	Failed										
289	6	1	F1351	A1 MemBank1Test	V	n/a	0	1	none	X5017	
RAW MEANING											
0	Passed										
1	Failed										
289	7	1	F1352	A1 MemBank0Test	V	n/a	0	1	none	X5017	
RAW MEANING											
0	Passed										
1	Failed										
290	0	8	F1353	A1_CMOTAB	V	n/a	0	255	none	none	
RAW MEANING											
291	0	8	F1354	A1_ERRCNT	V	n/a	0	255	F0103	none	
CURVE											
292	0	8	F1355	A1_LASTERR	V	n/a			F0103	none	
RAW MEANING											
293	0	8	F1356	A1_CMDCNT	V	n/a	0	255	none	none	
CURVE											
294	0	8	F1357	A1_CMDCNTR	V	n/a	0	255	none	none	
CURVE											
295	0	8	F1358	A1_CMDREJ	V	n/a	0	255	F0103	none	
CURVE											
296	0	16	F1360	A1_BYTEREC	V	n/a	0	65535	none	none	
CURVE											
298	0	16	F1361	A1_ADDRS	V	n/a	0	65535	F0099	none	
CURVE											
300	0	16	F1362	A1_ADDRO	V	n/a	0	65535	F0099	none	
CURVE											
302	0	16	F1363	A1_DATA	V	n/a	0	65535	F0099	none	
CURVE											
304	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none	
CURVE											
304	5	1	F1486	A1 CCD 2 SwiStat	V	n/a	0	1	F0113	none	
RAW MEANING											
0	Off										
1	On										
304	6	1	F1485	A1 CCD 1 SwiStat	V	n/a	0	1	F0113	none	
RAW MEANING											
0	Off										
1	On										
304	7	1	F1364	A1 CCD 0 SwiStat	V	n/a	0	1	F0113	none	
RAW MEANING											
0	Off										
1	On										
305	0	16	F1365	A1_SECCNT	V	n/a	0	65535	none	none	
CURVE											

EPCS TM PACKETS

307	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
307	4	1	F1366	A1 IllgCPUInterr	V	n/a	0	1	F0103	none
RAW MEANING										
0	Not Received									
1	Received									
307	5	1	F1367	A1 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
307	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
308	0	8	F1368	A1_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
309	0	16	F1369	A1_MUPLS	V	n/a	0	65535	F0094	none
CURVE										
311	0	16	F1370	A1_MUPLO	V	n/a	0	65535	F0094	none
CURVE										
313	0	8	F1371	A1_MUPLL	V	n/a	0	232	F0094	none
CURVE										
314	0	16	F1372	A1_ATHRC	V	n/a	0	65535	none	none
CURVE										
316	0	16	F1373	A1_FIFRC	V	n/a	0	65535	none	none
CURVE										
318	0	16	F1374	A1_EPDHC	V	n/a	0	65535	none	none
CURVE										
320	0	16	F1375	A1_DSLINC	V	n/a	0	65535	none	none
CURVE										
322	0	16	F1376	A1_MCM	V	n/a	0	4095	none	none
CURVE										
324	0	16	F1377	A1_IOADDR	V	n/a	0	65535	F0099	none
CURVE										
326	0	16	F1378	A1_IODATA	V	n/a	0	65535	F0099	none
CURVE										
328	0	8	F1359	A1_LASTCMD	V	n/a			none	none
RAW MEANING										
329	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
331	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
332	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
332	1	1	F1380	A1H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									

EPCS TM PACKETS

332	2	1	F1381	A1H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
332	3	1	F1382	A1H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
332	4	1	F1383	A1H ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
332	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
333	0	8	F1384	A1H NegACKErCod	V	n/a			none	none
RAW MEANING										
334	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
338	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
339	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
339	6	1	F1385	A2 CPU MedianCor	V	n/a	0	1	F0122	none
RAW MEANING										
0	ON									
1	OFF									
339	7	1	F1386	A2 CPU PMODE	V	n/a	0	1	F0105	none
RAW MEANING										
0	Idle									
1	Send									
340	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
340	1	1	F1387	A2 EPEA mode	V	n/a	0	1	F0105	none
RAW MEANING										
0	Nominal									
1	Debug									
340	2	1	F1388	A2 Memory Modify	V	n/a	0	1	F0183	X5004
RAW MEANING										
0	One time									
1	Continuously									
340	3	1	F1389	A2 Memo Mod Auto	V	n/a	0	1	F0183	none
RAW MEANING										
0	Off									
1	On									
340	4	1	F1390	A2 EAB/EAWPUTVeR	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									
340	5	1	F1391	A2 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none
RAW MEANING										
0	Enabled									
1	Disabled									
340	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
340	7	1	F1424	A2 MEMCHK active	V	n/a	0	1	F0172	none
RAW MEANING										
0	Not Active									
1	Active									

EPCS TM PACKETS

341	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
341	2	1	F1392	A2 EARAMCHK Stat	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Active									
1	Active									
341	3	1	F1393	A2 MemUplinkStat	V	n/a	0	1	F0094	none
RAW MEANING										
0	Not Active									
1	Active									
341	4	1	F1394	A2 IntVecMemTest	V	n/a	0	1	none	X5018
RAW MEANING										
0	Passed									
1	Failed									
341	5	1	F1395	A2 MemBank2Test	V	n/a	0	1	none	X5018
RAW MEANING										
0	Passed									
1	Failed									
341	6	1	F1396	A2 MemBank1Test	V	n/a	0	1	none	X5018
RAW MEANING										
0	Passed									
1	Failed									
341	7	1	F1397	A2 MemBank0Test	V	n/a	0	1	none	X5018
RAW MEANING										
0	Passed									
1	Failed									
342	0	8	F1398	A2_CMOTAB	V	n/a	0	255	none	none
RAW MEANING										
343	0	8	F1399	A2_ERRCNT	V	n/a	0	255	F0103	none
CURVE										
344	0	8	F1400	A2_LASTERR	V	n/a			F0103	none
RAW MEANING										
345	0	8	F1401	A2_CMDCNT	V	n/a	0	255	none	none
CURVE										
346	0	8	F1402	A2_CMDCNTR	V	n/a	0	255	none	none
CURVE										
347	0	8	F1403	A2_CMDREJ	V	n/a	0	255	F0103	none
CURVE										
348	0	16	F1405	A2_BYTEREC	V	n/a	0	65535	none	none
CURVE										
350	0	16	F1406	A2_ADDRS	V	n/a	0	65535	F0099	none
CURVE										
352	0	16	F1407	A2_ADDRO	V	n/a	0	65535	F0099	none
CURVE										
354	0	16	F1408	A2_DATA	V	n/a	0	65535	F0099	none
CURVE										
356	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none
CURVE										
356	5	1	F1488	A2 CCD 2 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									

EPCS TM PACKETS

356	6	1	F1487	A2 CCD 1 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
356	7	1	F1409	A2 CCD 0 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
357	0	16	F1410	A2_SECCNT	V	n/a	0	65535	none	none
CURVE										
359	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
359	4	1	F1411	A2 IllgCPUInterr	V	n/a	0	1	F0103	none
RAW MEANING										
0	Not Received									
1	Received									
359	5	1	F1412	A2 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
359	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
360	0	8	F1413	A2_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
361	0	16	F1414	A2_MUPLS	V	n/a	0	65536	F0094	none
CURVE										
363	0	16	F1415	A2_MUPLO	V	n/a	0	65535	F0094	none
CURVE										
365	0	8	F1416	A2_MUPLL	V	n/a	0	232	F0094	none
CURVE										
366	0	16	F1417	A2_ATHRC	V	n/a	0	65535	none	none
CURVE										
368	0	16	F1418	A2_FIFRC	V	n/a	0	65535	none	none
CURVE										
370	0	16	F1419	A2_EPDHC	V	n/a	0	65535	none	none
CURVE										
372	0	16	F1420	A2_DSLINC	V	n/a	0	65535	none	none
CURVE										
374	0	16	F1421	A2_MCM	V	n/a	0	4095	none	none
CURVE										
376	0	16	F1422	A2_IOADDR	V	n/a	0	65535	F0099	none
CURVE										
378	0	16	F1423	A2_IODATA	V	n/a	0	65535	F0099	none
CURVE										
380	0	8	F1404	A2_LASTCMD	V	n/a			none	none
RAW MEANING										
381	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										

EPCS TM PACKETS

383	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
384	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
384	1	1	F1425	A2H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
384	2	1	F1426	A2H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
384	3	1	F1427	A2H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
384	4	1	F1428	A2H ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
384	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
385	0	8	F1429	A2H NegACKErCod	V	n/a			none	none
RAW MEANING										
386	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
387	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
387	6	1	F1430	A3 CPU MedianCor	V	n/a	0	1	F0122	none
RAW MEANING										
0	ON									
1	OFF									
387	7	1	F1431	A3 CPU PMODE	V	n/a	0	1	F0105	none
RAW MEANING										
0	Idle									
1	Send									
388	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
388	1	1	F1432	A3 EPEA mode	V	n/a	0	1	F0105	none
RAW MEANING										
0	Nominal									
1	Debug									
388	2	1	F1433	A3 Memory Modify	V	n/a	0	1	F0183	X5005
RAW MEANING										
0	One time									
1	Continuously									
388	3	1	F1434	A3 Memo Mod Auto	V	n/a	0	1	F0183	none
RAW MEANING										
0	Off									
1	On									
388	4	1	F1435	A3 EAB/EAWPUTVeR	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									
388	5	1	F1436	A3 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none
RAW MEANING										
0	Enabled									

EPCS TM PACKETS

1	Disabled											
388	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none		
RAW MEANING												
388	7	1	F1469	A3 MEMCHK active	V	n/a	0	1	F0174	none		
RAW MEANING												
0	Not Active											
1	Active											
389	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none		
RAW MEANING												
389	2	1	F1437	A3 EARAMCHK Sta	V	n/a	0	1	F0175	none		
RAW MEANING												
0	Not Active											
1	Active											
389	3	1	F1438	A3 MemUplink St	V	n/a	0	1	F0094	none		
RAW MEANING												
0	Not Active											
1	Active											
389	4	1	F1439	A3 IntVecMemTest	V	n/a	0	1	none	X5019		
RAW MEANING												
0	Passed											
1	Failed											
389	5	1	F1440	A3 MemBank2Test	V	n/a	0	1	none	X5019		
RAW MEANING												
0	Passed											
1	Failed											
389	6	1	F1441	A3 MemBank1Test	V	n/a	0	1	none	X5019		
RAW MEANING												
0	Passed											
1	Failed											
389	7	1	F1442	A3 MemBank0Test	V	n/a	0	1	none	X5019		
RAW MEANING												
0	Passed											
1	Failed											
390	0	8	F1443	A3_CMOTAB	V	n/a	0	255	none	none		
RAW MEANING												
391	0	8	F1444	A3_ERRCNT	V	n/a	0	255	F0103	none		
CURVE												
392	0	8	F1445	A3_LASTERR	V	n/a			F0103	none		
RAW MEANING												
393	0	8	F1446	A3_CMDCNT	V	n/a	0	255	none	none		
CURVE												
394	0	8	F1447	A3_CMDCNTR	V	n/a	0	255	none	none		
CURVE												
395	0	8	F1448	A3_CMDREJ	V	n/a	0	255	F0103	none		
CURVE												
396	0	16	F1450	A3_BYTEREC	V	n/a	0	65535	none	none		
CURVE												
398	0	16	F1451	A3_ADDRS	V	n/a	0	65535	F0099	none		
CURVE												
400	0	16	F1452	A3_ADDRO	V	n/a	0	65535	F0099	none		
CURVE												
402	0	16	F1453	A3_DATA	V	n/a	0	65535	F0099	none		
CURVE												

EPCS TM PACKETS

404	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none
CURVE										
404	5	1	F1490	A3 CCD 2 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
404	6	1	F1489	A3 CCD 1 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
404	7	1	F1454	A3 CCD 0 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
405	0	16	F1455	A3_SECCNT	V	n/a	0	65535	none	none
CURVE										
407	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
407	4	1	F1456	A3 IllgCPUInterr	V	n/a	0	1	F0103	none
RAW MEANING										
0	Not Received									
1	Received									
407	5	1	F1457	A3 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
407	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
408	0	8	F1458	A3_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
409	0	16	F1459	A3_MUPLS	V	n/a	0	65535	F0094	none
CURVE										
411	0	16	F1460	A3_MUPLO	V	n/a	0	65535	F0094	none
CURVE										
413	0	8	F1461	A3_MUPLL	V	n/a	0	232	F0094	none
CURVE										
414	0	16	F1462	A3_ATHRC	V	n/a	0	65535	none	none
CURVE										
416	0	16	F1463	A3_FIFRC	V	n/a	0	65535	none	none
CURVE										
418	0	16	F1464	A3_EPDHC	V	n/a	0	65535	none	none
CURVE										
420	0	16	F1465	A3_DSLINC	V	n/a	0	65535	none	none
CURVE										
422	0	16	F1466	A3_MCM	V	n/a	0	4095	none	none
CURVE										
424	0	16	F1467	A3_IOADDR	V	n/a	0	65535	F0099	none
CURVE										

EPCS TM PACKETS

426	0	16	F1468	A3_IODATA	V	n/a	0	65535	F0099	none
CURVE										
428	0	8	F1449	A3_LASTCMD	V	n/a			none	none
RAW MEANING										
429	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
431	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
432	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
432	1	1	F1470	A3H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
432	2	1	F1471	A3H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
432	3	1	F1472	A3H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
432	4	1	F1473	A3H ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
432	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
433	0	8	F1474	A3H NegACKErCod	V	n/a			none	none
RAW MEANING										
434	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50013	1792	HBR Fifo Full	4	3	115	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 7: 73//

Bit	Width	Name	F/V	Value
0	8	SID	F	115

Offset Word 1: variable

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

Offset Word 2: variable

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

Offset Word 3: 0343

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	16	F2004	HBR Identifier	V	n/a		1	4		none	none
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50015	1792	ThermalControlAlarm	4	3	127	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 7: 7F//

Bit	Width	Name	F/V	Value
0	8	SID	F	127

Offset Word 1: variable

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

Offset Word 2: variable

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

Offset Word 3: 0343

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
18	0	15	FIX	Filler	F	n/a	0					
CURVE												
19	7	1	F1013	D ExtH Heater ST	V	n/a		0	1		F0007	none
RAW MEANING												
0	Off											
1	On											

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50016	1792	<i>Fault on Switch</i>	4	3	125	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 7: 7D//

Bit	Width	Name	F/V	Value
0	8	SID	F	125

Offset Word 1: variable

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

Offset Word 2: variable

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

Offset Word 3: 0343

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	16	F2050	SwitchIdentifier	V	n/a		2560	3328		none	none
RAW MEANING												

EPCS TM PACKETS

EPIC-EST-TN-005 I.3
Appendix M

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50017	1792	CurrentLimitersActiv	4	3	126	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 7: 7E//

Bit	Width	Name	F/V	Value
0	8	SID	F	126

Offset Word 1: variable

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

Offset Word 2: variable

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

Offset Word 3: 0343

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	16	F2050	SwitchIdentifier	V	n/a		2560	3328	none		none
RAW MEANING												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50020	1792	HBR Configuration	5	4	N/A	255	128	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 7: FF80

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

Offset Word 1: variable

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

Offset Word 2: variable

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

Offset Word 3: 0354

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
16	0	8	FIX	Filler	F	n/a	0					
CURVE												
17	0	4	F1907	Spare 4 bits	V	n/a		0	15		none	none
CURVE												
17	4	1	F2041	HBR4 Active Chan	V	n/a		0	1		F0031	none
RAW MEANING												
0	Not Active											
1	Active											
17	5	1	F2040	HBR3 Active Chan	V	n/a		0	1		F0031	none
RAW MEANING												
0	Not Active											
1	Active											
17	6	1	F2039	HBR2 Active Chan	V	n/a		0	1		F0031	none
RAW MEANING												
0	Not Active											
1	Active											
17	7	1	F2038	HBR1 Active Chan	V	n/a		0	1		F0031	none
RAW MEANING												
0	Not Active											
1	Active											
18	0	16	F2027	HBR 1 Processing	V	n/a		0	6		F0031	none
RAW MEANING												
0	Disabled											
1	ImaFullFrame											
2	ImaLargeWind											
3	ImaSmallWind											
4	Timing											
5	Burst											

EPCS TM PACKETS

6	Transparent	2	F2042	HBR1 Quadrant ID	F	n/a	0	0	0	F0031	none
20	0										
RAW MEANING											
20	2	2	F2046	HBR1QuadrantMode	V	n/a		0	3	F0031	none
0	Normal										
3	Transparent										
20	4	4	F2015	D HBR1 CCD0 Mode	V	n/a		0	5	F0031	none
RAW MEANING											
0	Not Active										
1	Imaging FF										
2	Imaging LW										
3	Imaging SW										
4	Timing										
5	Burst										
21	0	4	F2016	D HBR1 CCD1 Mode	V	n/a		0	5	F0031	none
RAW MEANING											
0	Not Active										
1	Imaging FF										
2	Imaging LW										
3	Imaging SW										
4	Timing										
5	Burst										
21	4	4	F2017	D HBR1 CCD2 Mode	V	n/a		0	5	F0031	none
RAW MEANING											
0	Not Active										
1	Imaging FF										
2	Imaging LW										
3	Imaging SW										
4	Timing										
5	Burst										
22	0	16	F2028	HBR 2 Processing	V	n/a		0	6	F0031	none
RAW MEANING											
0	Disabled										
1	ImaFullFrame										
2	ImaLargeWind										
3	ImaSmallWind										
4	Timing										
5	Burst										
6	Transparent										
24	0	2	F2043	HBR2 Quadrant ID	F	n/a	1	1	1	F0031	none
RAW MEANING											
24	2	2	F2047	HBR2QuadrantMode	V	n/a		0	3	F0031	none
RAW MEANING											
0	Normal										
3	Transparent										
24	4	4	F2018	D HBR2 CCD0 Mode	V	n/a		0	5	F0031	none
RAW MEANING											
0	Not Active										
1	Imaging FF										
2	Imaging LW										
3	Imaging SW										
4	Timing										
5	Burst										
25	0	4	F2019	D HBR2 CCD1 Mode	V	n/a		0	5	F0031	none
RAW MEANING											
0	Not Active										
1	Imaging FF										
2	Imaging LW										
3	Imaging SW										
4	Timing										
5	Burst										

EPCS TM PACKETS

25	4	4	F2020	D HBR2 CCD2 Mode	V	n/a	0	5	F0031	none
RAW MEANING										
0	Not Active									
1	Imaging FF									
2	Imaging LW									
3	Imaging SW									
4	Timing									
5	Burst									
26	0	16	F2029	HBR 3 Processing	V	n/a	0	6	F0031	none
RAW MEANING										
0	Disabled									
1	ImaFullFrame									
2	ImaLargeWind									
3	ImaSmallWind									
4	Timing									
5	Burst									
6	Transparent									
28	0	2	F2044	HBR3 Quadrant ID	F	n/a	2	2	F0031	none
RAW MEANING										
28	2	2	F2048	HBR3QuadrantMode	V	n/a	0	3	F0031	none
RAW MEANING										
0	Normal									
3	Transparent									
28	4	4	F2021	D HBR3 CCD0 Mode	V	n/a	0	5	F0031	none
RAW MEANING										
0	Not Active									
1	Imaging FF									
2	Imaging LW									
3	Imaging SW									
4	Timing									
5	Burst									
29	0	4	F2022	D HBR3 CCD1 Mode	V	n/a	0	5	F0031	none
RAW MEANING										
0	Not Active									
1	Imaging FF									
2	Imaging LW									
3	Imaging SW									
4	Timing									
5	Burst									
29	4	4	F2023	D HBR3 CCD2 Mode	V	n/a	0	5	F0031	none
RAW MEANING										
0	Not Active									
1	Imaging FF									
2	Imaging LW									
3	Imaging SW									
4	Timing									
5	Burst									
30	0	16	F2030	HBR 4 Processing	V	n/a	0	6	F0031	none
RAW MEANING										
0	Disabled									
1	ImaFullFrame									
2	ImaLargeWind									
3	ImaSmallWind									
4	Timing									
5	Burst									
6	Transparent									
32	0	2	F2045	HBR4 Quadrant ID	F	n/a	3	3	F0031	none
RAW MEANING										
32	2	2	F2049	HBR4QuadrantMode	V	n/a	0	3	F0031	none
RAW MEANING										
0	Normal									
3	Transparent									

EPCS TM PACKETS

EPIC-EST-TN-005 I.3

Appendix M

32	4	4	F2024	D HBR4 CCD0 Mode	V	n/a	0	5	F0031	none
RAW MEANING										
0										
1										
2										
3										
4										
5										
33	0	4	F2025	D HBR4 CCD1 Mode	V	n/a	0	5	F0031	none
RAW MEANING										
0										
1										
2										
3										
4										
5										
33	4	4	F2026	D HBR4 CCD2 Mode	V	n/a	0	5	F0031	none
RAW MEANING										
0										
1										
2										
3										
4										
5										

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50021	1792	HBR Buffer Size	5	4	N/A	255	129	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 7: FF81

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

Offset Word 1: variable

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

Offset Word 2: variable

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

Offset Word 3: 0354

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
16	0	32	F2005	HBR1 BufferStart	V	n/a		0	1048575	F0032		none
CURVE												
20	0	32	F2006	HBR 1 Buffer End	V	n/a		0	1048575	F0032		none
CURVE												
24	0	32	F2007	HBR2 BufferStart	V	n/a		0	1048575	F0032		none
CURVE												
28	0	32	F2008	HBR 2 Buffer End	V	n/a		0	1048575	F0032		none
CURVE												
32	0	32	F2009	HBR3 BufferStart	V	n/a		0	1048575	F0032		none
CURVE												
36	0	32	F2010	HBR 3 Buffer End	V	n/a		0	1048575	F0032		none
CURVE												
40	0	32	F2011	HBR4 BufferStart	V	n/a		0	1048575	F0032		none
CURVE												
44	0	32	F2012	HBR 4 Buffer End	V	n/a		0	1048575	F0032		none
CURVE												

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50022	1792	ThermalMonitoringLim	5	4	N/A	255	160	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: FFA0

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

Offset Word 2: variable

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

Offset Word 3: 0354

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
16	0	8	F2013	D ThermMonUppLim	V	degC					F0036	none
CURVE												
17	0	8	F2014	D ThermMonLowLim	V	degC					F0036	none
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50023	1792	EPDH Memory Dump	6	2	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: 0000

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

Offset Word 2: variable

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

Offset Word 8: variable

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

Offset Word 3: 0362

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
------	-----	-------	------	------	-----	------	-------	--------	--------	----	-----	------

CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50024	1792	EPCE Memory Dump	6	2	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: 0000

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

Offset Word 2: variable

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

Offset Word 8: variable

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

Offset Word 3: 0362

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
------	-----	-------	------	------	-----	------	-------	--------	--------	----	-----	------

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50025	1792	EPEA 0 Memory Dump	6	2	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: 0000

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

Offset Word 2: variable

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

Offset Word 8: variable

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

Offset Word 3: 0362

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
------	-----	-------	------	------	-----	------	-------	--------	--------	----	-----	------

CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50026	1792	EPEA 1 Memory Dump	6	2	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: 0000

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

Offset Word 2: variable

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

Offset Word 8: variable

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

Offset Word 3: 0362

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
------	-----	-------	------	------	-----	------	-------	--------	--------	----	-----	------

CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50027	1792	EPEA 2 Memory Dump	6	2	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: 0000

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

Offset Word 2: variable

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

Offset Word 8: variable

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

Offset Word 3: 0362

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
------	-----	-------	------	------	-----	------	-------	--------	--------	----	-----	------

CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50028	1792	EPEA 3 Memory Dump	6	2	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: 0000

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

Offset Word 2: variable

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

Offset Word 8: variable

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

Offset Word 3: 0362

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
------	-----	-------	------	------	-----	------	-------	--------	--------	----	-----	------

CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50029	1792	EPDH Memory Checksum	6	3	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: 0000

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

Offset Word 2: variable

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

Offset Word 8: variable

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

Offset Word 3: 0363

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

Offset Word 10: variable

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

Offset Word 11: variable

Bit	Width	Name	F/V	Value
0	16	Checksum Result	V	X

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
------	-----	-------	------	------	-----	------	-------	--------	--------	----	-----	------

CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50030	1792	EPCE Memory Checksum	6	3	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: 0000

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

Offset Word 2: variable

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

Offset Word 8: variable

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

Offset Word 3: 0363

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

Offset Word 10: variable

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

Offset Word 11: variable

Bit	Width	Name	F/V	Value
0	16	Checksum Result	V	X

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
------	-----	-------	------	------	-----	------	-------	--------	--------	----	-----	------

CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50031	1792	EPEA0 MemoryChecksum	6	3	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: 0000

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

Offset Word 2: variable

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

Offset Word 8: variable

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

Offset Word 3: 0363

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

Offset Word 10: variable

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

Offset Word 11: variable

Bit	Width	Name	F/V	Value
0	16	Checksum Result	V	X

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
------	-----	-------	------	------	-----	------	-------	--------	--------	----	-----	------

CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50032	1792	EPEA1 MemoryChecksum	6	3	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: 0000

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

Offset Word 2: variable

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

Offset Word 8: variable

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

Offset Word 3: 0363

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

Offset Word 10: variable

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

Offset Word 11: variable

Bit	Width	Name	F/V	Value
0	16	Checksum Result	V	X

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
------	-----	-------	------	------	-----	------	-------	--------	--------	----	-----	------

CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50033	1792	EPEA2 MemoryChecksum	6	3	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: 0000

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

Offset Word 2: variable

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

Offset Word 8: variable

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

Offset Word 3: 0363

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

Offset Word 10: variable

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

Offset Word 11: variable

Bit	Width	Name	F/V	Value
0	16	Checksum Result	V	X

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
------	-----	-------	------	------	-----	------	-------	--------	--------	----	-----	------

CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50034	1792	EPEA3 MemoryChecksum	6	3	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: 0000

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

Offset Word 2: variable

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

Offset Word 8: variable

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

Offset Word 3: 0363

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

Offset Word 10: variable

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

Offset Word 11: variable

Bit	Width	Name	F/V	Value
0	16	Checksum Result	V	X

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
------	-----	-------	------	------	-----	------	-------	--------	--------	----	-----	------

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50035	1792	TMPacketGeneratStat	9	1	N/A	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	8	SID	V	X
8	8	Status of TM packet	V	X

Offset Word 2: variable

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

Offset Word 3: 0391

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
------	-----	-------	------	------	-----	------	-------	--------	--------	----	-----	------

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50036	1792	<i>TimeVerificatReport</i>	<i>10</i>	<i>5</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 2: variable

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

Offset Word 3: 03A5

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	10
12	4	Packet Subtype	F	5

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50037	1792	Imaging Data	15	1	1	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: 0100

Bit	Width	Name	F/V	Value
0	8	SID	F	1
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 3: 03F1

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	1

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
9	0	8	FIX	Filler	F	n/a	0				
CURVE											
10	0	2	F2051	Quadrant ID	V	n/a		0	3	none	none
RAW MEANING											
10	2	2	F2052	Quadrant Mode	V	n/a	0	0	3	none	none
RAW MEANING											
0				Normal							
3				Transparent							
10	4	4	F2053	CCD 0 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							
2				Imaging LW							
3				Imaging SW							
4				Timing							
5				Burst							
11	0	4	F2054	CCD 1 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							
2				Imaging LW							
3				Imaging SW							
4				Timing							
5				Burst							
11	4	4	F2055	CCD 2 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							

- 2 Imaging LW
- 3 Imaging SW
- 4 Timing
- 5 Burst

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50038	1792	Timing Data	15	2	2	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: 0200

Bit	Width	Name	F/V	Value
0	8	SID	F	2
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 3: 03F2

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
9	0	8	FIX	Filler	F	n/a	0					
CURVE												
10	0	2	F2051	Quadrant ID	V	n/a		0	3	none		none
RAW MEANING												
10	2	2	F2052	Quadrant Mode	V	n/a	0	0	3	none		none
RAW MEANING												
0				Normal								
3				Transparent								
10	4	4	F2053	CCD 0 Mode	V	n/a		0	5	none		none
RAW MEANING												
0				Not Active								
1				Imaging FF								
2				Imaging LW								
3				Imaging SW								
4				Timing								
5				Burst								
11	0	4	F2054	CCD 1 Mode	V	n/a		0	5	none		none
RAW MEANING												
0				Not Active								
1				Imaging FF								
2				Imaging LW								
3				Imaging SW								
4				Timing								
5				Burst								
11	4	4	F2055	CCD 2 Mode	V	n/a		0	5	none		none
RAW MEANING												
0				Not Active								
1				Imaging FF								

- 2 Imaging LW
- 3 Imaging SW
- 4 Timing
- 5 Burst

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50039	1792	Burst Data	15	2	3	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: 0300

Bit	Width	Name	F/V	Value
0	8	SID	F	3
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 3: 03F2

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
9	0	8	FIX	Filler	F	n/a	0				
CURVE											
10	0	2	F2051	Quadrant ID	V	n/a		0	3	none	none
RAW MEANING											
10	2	2	F2052	Quadrant Mode	V	n/a	0	0	3	none	none
RAW MEANING											
0				Normal							
3				Transparent							
10	4	4	F2053	CCD 0 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							
2				Imaging LW							
3				Imaging SW							
4				Timing							
5				Burst							
11	0	4	F2054	CCD 1 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							
2				Imaging LW							
3				Imaging SW							
4				Timing							
5				Burst							
11	4	4	F2055	CCD 2 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							

- 2 Imaging LW
- 3 Imaging SW
- 4 Timing
- 5 Burst

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50040	1792	<i>Diagnostic Data</i>	15	3	5	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: 0500

Bit	Width	Name	F/V	Value
0	8	SID	F	5
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 3: 03F3

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	3

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
9	0	8	FIX	Filler	F	n/a	0				
CURVE											
10	0	2	F2051	Quadrant ID	V	n/a		0	3	none	none
RAW MEANING											
10	2	2	F2052	Quadrant Mode	V	n/a	3	0	3	none	none
RAW MEANING											
0				Normal							
3				Transparent							
10	4	4	F2053	CCD 0 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							
2				Imaging LW							
3				Imaging SW							
4				Timing							
5				Burst							
11	0	4	F2054	CCD 1 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							
2				Imaging LW							
3				Imaging SW							
4				Timing							
5				Burst							
11	4	4	F2055	CCD 2 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							

- 2 Imaging LW
- 3 Imaging SW
- 4 Timing
- 5 Burst

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50041	1792	<i>Offset Data</i>	15	4	6	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: 0600

Bit	Width	Name	F/V	Value
0	8	SID	F	6
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 3: 03F4

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
9	0	8	FIX	Filler	F	n/a	0					

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50042	1792	Noise Data	15	4	7	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: 0700

Bit	Width	Name	F/V	Value
0	8	SID	F	7
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 3: 03F4

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
9	0	8	FIX	Filler	F	n/a	0					

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50043	1792	Discarded Lines Data	15	4	8	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: 0800

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

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 3: 03F4

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
9	0	8	FIX	Filler	F	n/a	0					

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50044	1792	CountingCycleReport	15	4	9	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: 0900

Bit	Width	Name	F/V	Value
0	8	SID	F	9
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 3: 03F4

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
9	0	8	FIX	Filler	F	n/a	0				
CURVE											
10	0	2	F2051	Quadrant ID	V	n/a		0	3	none	none
RAW MEANING											
10	2	2	F2052	Quadrant Mode	V	n/a		0	3	none	none
RAW MEANING											
0				Normal							
3				Transparent							
10	4	4	F2053	CCD 0 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							
2				Imaging LW							
3				Imaging SW							
4				Timing							
5				Burst							
11	0	4	F2054	CCD 1 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							
2				Imaging LW							
3				Imaging SW							
4				Timing							
5				Burst							
11	4	4	F2055	CCD 2 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							

EPCS TM PACKETS

2	Imaging LW										
3	Imaging SW										
4	Timing										
5	Burst										
12	0	16	F2031	NumRejReadCycles	V	n/a			none	none	
CURVE											
14	0	16	F2032	Cum ATHR Counter	V	n/a			none	none	
CURVE											
16	0	16	F2033	Cum DEFA Counter	V	n/a			none	none	
CURVE											
18	0	16	F2034	Cum EPDH Counter	V	n/a			none	none	
CURVE											
20	0	16	F2035	CumDSLIN Counter	V	n/a			none	none	
CURVE											
22	0	16	F2056	Mean Common Mode	V	n/a	0	65535	none	none	
CURVE											
24	0	32	F2036	CntModeStartTime	V	n/a			none	none	
CURVE											
28	0	32	F2037	CntModeStopTime	V	n/a			none	none	
CURVE											

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50104	1792	UnsComAc-IncorrCHK	3	2	N/A	N/A	N/A	N/A	1

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 8: 0100

Bit	Width	Name	F/V	Value
0	8	Error Code	F	1
8	8	Spare	F	0

Offset Word 3: 0332

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50105	1792	UnsComEx-WrongAddres	3	4	N/A	N/A	N/A	N/A	131

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 8: 83//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	131

Offset Word 3: 0334

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50204	1792	UnsComAc-IllegalType	3	2	N/A	N/A	N/A	N/A	2

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 8: 0200

Bit	Width	Name	F/V	Value
0	8	Error Code	F	2
8	8	Spare	F	0

Offset Word 3: 0332

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50205	1792	UnsComEx-CHKNotReady	3	4	N/A	N/A	N/A	N/A	132

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 8: 84//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	132

Offset Word 3: 0334

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50304	1792	UnsComAc-IllegalSuTy	3	2	N/A	N/A	N/A	N/A	3

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 8: 0300

Bit	Width	Name	F/V	Value
0	8	Error Code	F	3
8	8	Spare	F	0

Offset Word 3: 0332

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50305	1792	UnsComEx-LBRProtErr	3	4	N/A	N/A	N/A	N/A	238

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 8: EE//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	238

Offset Word 3: 0334

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	F2003	LBRProtocolError	V	n/a		1	250	none		none
RAW MEANING												
1	BeginIDnotFF											
2	WrongLength											
3	UARTRecError											
4	WrongParaNum											
5	WrongParamet											
6	DiffEPEAAckn											
8	FailedLCVeri											
17	WrongFramCHK											
34	Unknown LC											
51	Timeout											
68	LC rejected											
113	EA 0 failed											
114	EA 1 failed											
115	EA0,1 failed											
116	EA 2 failed											
117	EA2,0 failed											
118	EA2,1 failed											
119	EA2,1,0faile											
120	EA 3 failed											
121	EA3,0 failed											
122	EA3,1 failed											
123	EA3,1,0faile											
124	EA3,2 failed											
125	EA3,2,0faile											
126	EA3,2,1faile											
127	EA3,2,1,0fai											
250	EMDHresponse											

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50404	1792	UnsComAc-IlgTCLength	3	2	N/A	N/A	N/A	N/A	5

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 8: 0500

Bit	Width	Name	F/V	Value
0	8	Error Code	F	5
8	8	Spare	F	0

Offset Word 3: 0332

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50504	1792	UnsComAc-IllegalTID	3	2	N/A	N/A	N/A	N/A	8

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 8: 0800

Bit	Width	Name	F/V	Value
0	8	Error Code	F	8
8	8	Spare	F	0

Offset Word 3: 0332

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50604	1792	UnsComAc-IllegalFID	3	2	N/A	N/A	N/A	N/A	9

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 8: 0900

Bit	Width	Name	F/V	Value
0	8	Error Code	F	9
8	8	Spare	F	0

Offset Word 3: 0332

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50704	1792	UnsComAc-IllegalMODE	3	2	N/A	N/A	N/A	N/A	10

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 8: 0A00

Bit	Width	Name	F/V	Value
0	8	Error Code	F	10
8	8	Spare	F	0

Offset Word 3: 0332

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50804	1792	UnsComAc-IllegalMID	3	2	N/A	N/A	N/A	N/A	11

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 8: 0B00

Bit	Width	Name	F/V	Value
0	8	Error Code	F	11
8	8	Spare	F	0

Offset Word 3: 0332

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50904	1792	UnsComAc-IllegHeader	3	2	N/A	N/A	N/A	N/A	129

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

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

Offset Word 1: variable

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

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

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

Offset Word 8: 8100

Bit	Width	Name	F/V	Value
0	8	Error Code	F	129
8	8	Spare	F	0

Offset Word 3: 0332

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

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE