

Contents of 71 bytes telemetry data : 0.1Hz data - #2

Part	Frame Header				Telemetry Packet (Header)			
	0	1	2	3	4	5	6	7
Word								
bit	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0
Value	0101010101010101	0111111111111111	1111111111111111	1111111111111111	1111111111111111	1111111111111111	1111111111111111	1111111111111111
explanation	(Spare)	Data ID1 (0x7) (0.1Hz <sub>2</sub> )	Frame Sequence Counter	(Spare)	Data ID2 (0x3) (OBC-ACS-DH)	Seq. FLG	Packet Sequence Counter	Telemetry Packet Length (67bytes : fixed value)

Part	Telemetry Packet (Data)															
	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Word																
bit	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0
Value																
explanation	14001 GYRO X Temperature (MSB)	14001 GYRO X Temperature (LSB)	14101 GYRO Y Temperature (MSB)	14101 GYRO Y Temperature (LSB)	14201 GYRO Z Temperature (MSB)	14201 GYRO Z Temperature (LSB)	15001 GAS Temperature (MSB)	15001 GAS Temperature (LSB)	16003 MTQ X Primary Temperature	16004 MTQ X Secondary Temperature	16013 MTQ Y Primary Temperature	16014 MTQ Y Secondary Temperature	16023 MTQ Z Primary Temperature	16024 MTQ Z Secondary Temperature	30111 SAS#1 Temperature (MSB)	30111 SAS#1 Temperature (LSB)

Part	Telemetry Packet (Data)																
	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	
Word																	
bit	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	
Value																	
explanation	30112 SAS#2 Temperature (MSB)	30112 SAS#2 Temperature (LSB)	30113 SAS#3 Temperature (MSB)	30113 SAS#3 Temperature (LSB)	30114 RW X Temperature	30115 RW Y Temperature	30116 RW Z Temperature	30117 RW X Temperature (LSB)	30117 RW Y Temperature (LSB)	30117 RW Z Temperature (LSB)	TBD RD Temperature	12202 S TX Temperature (MSB)	12202 S TX Temperature (LSB)	30401 Thermal Sensor Data 1	30402 Thermal Sensor Data 2	30403 Thermal Sensor Data 3	30404 Thermal Sensor Data 4

Part	Telemetry Packet (Data)															
	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
Word																
bit	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0
Value																
explanation	30405 Thermal Sensor Data 5	30406 Thermal Sensor Data 6	30407 Thermal Sensor Data 7	30408 Thermal Sensor Data 8	30409 Thermal Sensor Data 9	30410 Thermal Sensor Data 10	30411 Thermal Sensor Data 11	30412 Thermal Sensor Data 12	30413 Thermal Sensor Data 13	30414 Thermal Sensor Data 14	30415 Thermal Sensor Data 15	30416 Thermal Sensor Data 16	20312 OBC Current	20313 S-TX Current	20314 S-RX Current	20315 S-RX (emergency) Current

Part	Telemetry Packet (Data)																																																																																																																																																																																																							
	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70																																																																																																																																																																																								
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bit	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0	7:6:5:4:3:2:1:0																																																																																																																																																																																								
Value																																																																																																																																																																																																								
explanation	20317 A-TX-A Current	20318 A-RX-A Current	20319 A-TX-B Current	20320 A-RX-B Current	20321 SAS#1 Current	20322 SAS#2 Current	20323 SAS#3 Current	20324 GYRO Current	20325 GPSR Current	20326 STS Current	20327 RW X(-5V) Current	20328 RW X(+28V) Current	20329 RW Y(-5V) Current	20330 RW Y(+28V) Current	30814 BBS Message Num	30815 BBS Message Num	30816 BBS Message Num	30817 BBS Message Num	30818 BBS Message Num	30819 BBS Message Num	30820 BBS Message Num	30821 BBS Message Num	30822 BBS Message Num	30823 BBS Message Num	30824 BBS Message Num	30825 BBS Message Num	30826 BBS Message Num	30827 BBS Message Num	30828 BBS Message Num	30829 BBS Message Num	30830 BBS Message Num	30831 BBS Message Num	30832 BBS Message Num	30833 BBS Message Num	30834 BBS Message Num	30835 BBS Message Num	30836 BBS Message Num	30837 BBS Message Num	30838 BBS Message Num	30839 BBS Message Num	30840 BBS Message Num	30841 BBS Message Num	30842 BBS Message Num	30843 BBS Message Num	30844 BBS Message Num	30845 BBS Message Num	30846 BBS Message Num	30847 BBS Message Num	30848 BBS Message Num	30849 BBS Message Num	30850 BBS Message Num	30851 BBS Message Num	30852 BBS Message Num	30853 BBS Message Num	30854 BBS Message Num	30855 BBS Message Num	30856 BBS Message Num	30857 BBS Message Num	30858 BBS Message Num	30859 BBS Message Num	30860 BBS Message Num	30861 BBS Message Num	30862 BBS Message Num	30863 BBS Message Num	30864 BBS Message Num	30865 BBS Message Num	30866 BBS Message Num	30867 BBS Message Num	30868 BBS Message Num	30869 BBS Message Num	30870 BBS Message Num	30871 BBS Message Num	30872 BBS Message Num	30873 BBS Message Num	30874 BBS Message Num	30875 BBS Message Num	30876 BBS Message Num	30877 BBS Message Num	30878 BBS Message Num	30879 BBS Message Num	30880 BBS Message Num	30881 BBS Message Num	30882 BBS Message Num	30883 BBS Message Num	30884 BBS Message Num	30885 BBS Message Num	30886 BBS Message Num	30887 BBS Message Num	30888 BBS Message Num	30889 BBS Message Num	30890 BBS Message Num	30891 BBS Message Num	30892 BBS Message Num	30893 BBS Message Num	30894 BBS Message Num	30895 BBS Message Num	30896 BBS Message Num	30897 BBS Message Num	30898 BBS Message Num	30899 BBS Message Num	30900 BBS Message Num	30901 BBS Message Num	30902 BBS Message Num	30903 BBS Message Num	30904 BBS Message Num	30905 BBS Message Num	30906 BBS Message Num	30907 BBS Message Num	30908 BBS Message Num	30909 BBS Message Num	30910 BBS Message Num	30911 BBS Message Num	30912 BBS Message Num	30913 BBS Message Num	30914 BBS Message Num	30915 BBS Message Num	30916 BBS Message Num	30917 BBS Message Num	30918 BBS Message Num	30919 BBS Message Num	30920 BBS Message Num	30921 BBS Message Num	30922 BBS Message Num	30923 BBS Message Num	30924 BBS Message Num	30925 BBS Message Num	30926 BBS Message Num	30927 BBS Message Num	30928 BBS Message Num	30929 BBS Message Num	30930 BBS Message Num	30931 BBS Message Num	30932 BBS Message Num	30933 BBS Message Num	30934 BBS Message Num	30935 BBS Message Num	30936 BBS Message Num	30937 BBS Message Num	30938 BBS Message Num	30939 BBS Message Num	30940 BBS Message Num	30941 BBS Message Num	30942 BBS Message Num	30943 BBS Message Num	30944 BBS Message Num	30945 BBS Message Num	30946 BBS Message Num	30947 BBS Message Num	30948 BBS Message Num	30949 BBS Message Num	30950 BBS Message Num	30951 BBS Message Num	30952 BBS Message Num	30953 BBS Message Num	30954 BBS Message Num	30955 BBS Message Num	30956 BBS Message Num	30957 BBS Message Num	30958 BBS Message Num	30959 BBS Message Num	30960 BBS Message Num	30961 BBS Message Num	30962 BBS Message Num	30963 BBS Message Num	30964 BBS Message Num	30965 BBS Message Num	30966 BBS Message Num	30967 BBS Message Num	30968 BBS Message Num	30969 BBS Message Num	30970 BBS Message Num	30971 BBS Message Num	30972 BBS Message Num	30973 BBS Message Num	30974 BBS Message Num	30975 BBS Message Num	30976 BBS Message Num	30977 BBS Message Num	30978 BBS Message Num	30979 BBS Message Num	30980 BBS Message Num	30981 BBS Message Num	30982 BBS Message Num	30983 BBS Message Num	30984 BBS Message Num	30985 BBS Message Num	30986 BBS Message Num	30987 BBS Message Num	30988 BBS Message Num	30989 BBS Message Num	30990 BBS Message Num	30991 BBS Message Num	30992 BBS Message Num	30993 BBS Message Num	30994 BBS Message Num	30995 BBS Message Num	30996 BBS Message Num	30997 BBS Message Num	30998 BBS Message Num	30999 BBS Message Num