

Contents of 71 bytes telemetry data : 0.1Hz data - #1

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	010101010101010	011111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111
explanation	(Spare)	Data ID1 (0x0)	Frame Sequence Counter	(Spare)	Data ID2 (0x2)	Req. 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	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111
explanation	10101 SAS#1 X Vector (MSB)	10101 SAS#1 X Vector	10101 SAS#1 X Vector	10101 SAS#1 X Vector (LSB)	10102 SAS#1 Y Vector (MSB)	10102 SAS#1 Y Vector	10102 SAS#1 Y Vector	10102 SAS#1 Y Vector (LSB)	10103 SAS#1 Z Vector (MSB)	10103 SAS#1 Z Vector	10103 SAS#1 Z Vector (LSB)	10104 SAS#1 Fit Quality	10105 SAS#1 Geometry Quality	10201 SAS#2 X Vector (MSB)	10201 SAS#2 X Vector	

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	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111
explanation	10201 SAS#2 X Vector	10201 SAS#2 X Vector (LSB)	10202 SAS#2 Y Vector (MSB)	10202 SAS#2 Y Vector	10202 SAS#2 Y Vector (LSB)	10202 SAS#2 Y Vector (MSB)	10203 SAS#2 Z Vector (MSB)	10203 SAS#2 Z Vector	10203 SAS#2 Z Vector (LSB)	10203 SAS#2 Z Vector	10204 SAS#2 Fit Quality	10205 SAS#2 Geometry Quality	10301 SAS#3 X Vector (MSB)	10301 SAS#3 X Vector	10301 SAS#3 X Vector	10301 SAS#3 X Vector (LSB)

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	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111
explanation	10302 SAS#3 Y Vector (MSB)	10302 SAS#3 Y Vector	10302 SAS#3 Y Vector	10302 SAS#3 Y Vector (LSB)	10303 SAS#3 Z Vector (MSB)	10303 SAS#3 Z Vector	10303 SAS#3 Z Vector (LSB)	10303 SAS#3 Z Vector	10304 SAS#3 Fit Quality	10305 SAS#3 Geometry Quality	15011 Earth Magnetic Field X (MSB)	15011 Earth Magnetic Field X	15011 Earth Magnetic Field X	15011 Earth Magnetic Field X (LSB)	15012 Earth Magnetic Field Y (MSB)	15012 Earth Magnetic Field Y

Part	Telemetry Packet (Data)															
	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70
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	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111	111111111111111
explanation	15012 Earth Magnetic Field Y	15012 Earth Magnetic Field Y (LSB)	15013 Earth Magnetic Field Z (MSB)	15013 Earth Magnetic Field Z	15013 Earth Magnetic Field Z	15013 Earth Magnetic Field Z (LSB)	60503 O-CAM Binary/Req	60504 O-CAM Read Data Start/Req	60505 O-CAM Read Data End/Req	60506 O-CAM Cur. Frame/Req	60507 O-CAM Stream Enable/Req	(Spare)	(Spare)	(Spare)	(Spare)	(Spare)
							20331 RW Z(+5V) Current	20332 RW Z(+28V) Current	20333 GAS(+12V) Current	20334 GAS(-12V) Current	20335 O-CAM Current	20337 RD Current	20338 RF SW #1 Current	20339 RF SW #2 Current		