

wnj, 06 Dec 2006

Mnemonic	Source	1st APID	Count of APIDs	Description	Update Date
L_ACD_NX_ICS_T	sc_hwtlm_itos	3	2	-X ACD Inside Composite Shell Temperature	
L_ACD_NX_PRR_T	sc_hwtlm_itos	3	2	-X PMT Rail Right Temperature	
L_ACD_NX_TILE_T	sc_hwtlm_itos	8	2	-X tile temp Temperature	
L_ACD_NY_ICS_T	sc_hwtlm_itos	3	2	-Y ACD Inside Composite Shell Temperature	
L_ACD_NY_PRR_T	sc_hwtlm_itos	3	2	-Y PMT Rail Right	
L_ACD_NY_TILE_T	sc_hwtlm_itos	8	2	-Y tile temp Temperature	
L_ACD_PX_ICS_T	sc_hwtlm_itos	3	2	+X ACD Inside Composite Shell	
L_ACD_PX_PRR_T	sc_hwtlm_itos	3	2	+X PMT Rail Right Temperature	
L_ACD_PX_TILE_T	sc_hwtlm_itos	8	2	+X tile Temperature	
L_ACD_PY_ICS_T	sc_hwtlm_itos	3	2	+Y ACD Inside Composite Shell Temperature	
L_ACD_PY_PRR_T	sc_hwtlm_itos	3	2	+Y PMT Rail Right Temperature	
L_ACD_PY_TILE_T	sc_hwtlm_itos	8	2	+Y tile temp Temperature	
L_ACD_PZ_ICS_T	sc_hwtlm_itos	3	2	+Z ACD Inside Composite Shell Temperature	
L_ACD_PZ_TILE_T	sc_hwtlm_itos	8	2	+Z tile Temperature	
L_DAQ_P_EBM25_V	sc_hwtlm_itos	0	4	GASU AEM EBM 0 2.5 V	
L_DAQ_P_EBM33_V	sc_hwtlm_itos	0	4	GASU AEM EBM 0 3.3 V	
L_DAQ_P_GASU_T	sc_hwtlm_itos	3	2	LAT Primary GASU Temperature	
L_DAQ_P_GEM25_V	sc_hwtlm_itos	0	4	GASU CRU GEM 0 2.5 V	
L_DAQ_P_GEM33_V	sc_hwtlm_itos	0	4	GASU CRU GEM 0 3.3 V	
L_DAQ_P_PDU_T	sc_hwtlm_itos	9	2	LAT PDU Primary Constant Current Thermister (44909)	
L_DAQ_P_PDU_V	sc_hwtlm_itos	0	4	LAT Primary PDU Voltage	
L_DAQ_P_RS_F_V	sc_hwtlm_itos	0	4	LAT Primary Regulated SIU Feeder Voltage	
L_DAQ_P_RV_F_V	sc_hwtlm_itos	0	4	LAT Primary Regulated VCHP Feeder Voltage	
L_DAQ_P_SIU_T	sc_hwtlm_itos	9	2	LAT SIU Primary Constant Current Thermister (44909)	
L_DAQ_P_SIU_V	sc_hwtlm_itos	0	4	LAT Primary SIU Voltage	
L_DAQ_R_EBM25_V	sc_hwtlm_itos	0	4	GASU AEM EBM 1 2.5 V	
L_DAQ_R_EBM33_V	sc_hwtlm_itos	0	4	GASU AEM EBM 1 3.3 V	
L_DAQ_R_GASU_T	sc_hwtlm_itos	3	2	LAT Redundant GASU Temperature	
L_DAQ_R_GEM25_V	sc_hwtlm_itos	0	4	GASU CRU GEM 1 2.5 V	
L_DAQ_R_GEM33_V	sc_hwtlm_itos	0	4	GASU CRU GEM 1 3.3 V	
L_DAQ_R_PDU_T	sc_hwtlm_itos	3	2	LAT Redundant PDU Temperature	
L_DAQ_R_PDU_V	sc_hwtlm_itos	0	4	LAT Redundant PDU Voltage	
L_DAQ_R_RS_F_V	sc_hwtlm_itos	0	4	LAT Redundant Regulated SIU Feeder Voltage	
L_DAQ_R_RV_F_V	sc_hwtlm_itos	0	4	LAT Redundant Regulated VCHP Feeder Voltage	
L_DAQ_R_SIU_T	sc_hwtlm_itos	3	2	LAT Redundant SIU Temperature	
L_DAQ_R_SIU_V	sc_hwtlm_itos	0	4	LAT Redundant SIU Voltage	
L_MCH_NY_P_HTRV	sc_hwtlm_itos	0	4	LAT -Y VCHP Reservoir Primary Heater Voltage	
L_MCH_NY_R_HTRV	sc_hwtlm_itos	0	4	LAT -Y VCHP Reservoir Redundant Heater Voltage	
L_MCH_NY_VHP0_T	sc_hwtlm_itos	8	2	-Y VCHP Reservoir Htr Mon 0 Temperature (HP 0)	

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L_MCH_NY_VHP1_T	sc_hwtlm_itos	8	2	-Y VCHP Reservoir Htr Mon 1 Temperature (HP 1)	
L_MCH_NY_VHP2_T	sc_hwtlm_itos	8	2	-Y VCHP Reservoir Htr Mon 2 Temperature (HP 2)	
L_MCH_NY_VHP3_T	sc_hwtlm_itos	8	2	-Y VCHP Reservoir Htr Mon 3 Temperature (HP 3)	
L_MCH_NY_VHP4_T	sc_hwtlm_itos	8	2	-Y VCHP Reservoir Htr Mon 4 Temperature (HP 4)	
L_MCH_NY_VHP5_T	sc_hwtlm_itos	8	2	-Y VCHP Reservoir Htr Mon 5 Temperature (HP 5)	
L_MCH_NY_XHP0_T	sc_hwtlm_itos	3	2	-Y VCHP-XLHP Interface -X Side Temperature	
L_MCH_NY_XHP3_T	sc_hwtlm_itos	3	2	-Y VCHP-XLHP Interface +X Side Temperature	
L_MCH_NYNX_GMHT	sc_hwtlm_itos	3	2	-Y Grid Make-up Heaters -X Side Temperature	
L_MCH_NYNX_GRIT	sc_hwtlm_itos	3	2	-Y Grid-Radiator Interface -X Side Temperature	
L_MCH_NYPX_GMHT	sc_hwtlm_itos	3	2	-Y Grid Make-up Heaters +X Side Temperature	
L_MCH_NYPX_GRIT	sc_hwtlm_itos	3	2	-Y Grid-Radiator Interface +X Side Temperature	
L_MCH_PY_P_HTRV	sc_hwtlm_itos	0	4	LAT +Y VCHP Reservoir Primary Heater Voltage	
L_MCH_PY_R_HTRV	sc_hwtlm_itos	0	4	LAT +Y VCHP Reservoir Redundant Heater Voltage	
L_MCH_PY_VHP0_T	sc_hwtlm_itos	8	2	+Y VCHP Reservoir Heater Mon 0 Temperature (HP 6)	
L_MCH_PY_VHP1_T	sc_hwtlm_itos	8	2	+Y VCHP Reservoir Heater Mon 1 Temperature (HP 7)	
L_MCH_PY_VHP2_T	sc_hwtlm_itos	8	2	+Y VCHP Reservoir Heater Mon 2 Temperature (HP 8)	
L_MCH_PY_VHP3_T	sc_hwtlm_itos	8	2	+Y VCHP Reservoir Heater Mon 3 Temperature (HP 9)	
L_MCH_PY_VHP4_T	sc_hwtlm_itos	8	2	+Y VCHP Reservoir Heater Mon 4 Temperature (HP 10)	
L_MCH_PY_VHP5_T	sc_hwtlm_itos	8	2	+Y VCHP Reservoir Heater Mon 5 Temperature (HP 11)	
L_MCH_PY_XHP1_T	sc_hwtlm_itos	3	2	+Y VCHP-XLHP Interface -X Side Temperature	
L_MCH_PY_XHP5_T	sc_hwtlm_itos	3	2	+Y VCHP-XLHP Interface +X Side Temperature	
L_MCH_PYNX_GMHT	sc_hwtlm_itos	3	2	+Y Grid Make-up Heaters -X Side Temperature	
L_MCH_PYNX_GRIT	sc_hwtlm_itos	3	2	+Y Grid-Radiator Interface -X Side Temperature	
L_MCH_PYPX_GMHT	sc_hwtlm_itos	3	2	+Y Grid Make-up Heaters +X Side Temperature	
L_MCH_PYPX_GRIT	sc_hwtlm_itos	3	2	+Y Grid-Radiator Interface +X Side Temperature	
L_MCH_XLPLT_1T	sc_hwtlm_itos	3	2	X-LAT Plate Heat Pipe 1 Temperature	
L_MCH_XLPLT_2T	sc_hwtlm_itos	3	2	X-LAT Plate Heat Pipe 2 Temperature	
L_MCH_XLPLT_3T	sc_hwtlm_itos	3	2	X-LAT Plate Heat Pipe 3 Temperature	
L_MCH_XLPLT_5T	sc_hwtlm_itos	3	2	X-LAT Plate Heat Pipe 5 Temperature	
L_RAD_NYNX_L_T	sc_hwtlm_itos	8	2	-Y Radiator Panel Lower Left Survival Temperature	
L_RAD_NYNX_U_T	sc_hwtlm_itos	8	2	-Y Radiator Panel Upper Left Survival Temperature	
L_RAD_NYPX_L_T	sc_hwtlm_itos	8	2	-Y Radiator Panel Lower Right Survival Temperature	
L_RAD_NYPX_U_T	sc_hwtlm_itos	8	2	-Y Radiator Panel Upper Right Survival Temperature	
L_RAD_PYNX_L_T	sc_hwtlm_itos	8	2	+Y Radiator Panel Lower Left Survival Temperature	
L_RAD_PYNX_U_T	sc_hwtlm_itos	8	2	+Y Radiator Panel Upper Left Survival Temperature	
L_RAD_PYPX_L_T	sc_hwtlm_itos	8	2	+Y Radiator Panel Lower Right Survival Temperature	
L_RAD_PYPX_U_T	sc_hwtlm_itos	8	2	+Y Radiator Panel Upper Right Survival Temperature	
L_SPARE_10V	sc_hwtlm_itos	0	4	LAT Spare 10 Voltage	
L_SPARE_13V	sc_hwtlm_itos	0	4	LAT Spare 13 Voltage	
L_SPARE_14V	sc_hwtlm_itos	0	4	LAT Spare 14 Voltage	
L_SPARE_15V	sc_hwtlm_itos	0	4	LAT Spare 15 Voltage	

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L_SPARE_16V	sc_hwtlm_itos	0	4	LAT Spare 16 Voltage	
L_SPARE_19V	sc_hwtlm_itos	0	4	LAT Spare 19 Voltage	
L_SPARE_1T	sc_hwtlm_itos	3	2	LAT Spare 1 Temperature	
L_SPARE_20V	sc_hwtlm_itos	0	4	LAT Spare 20 Voltage	
L_SPARE_23V	sc_hwtlm_itos	0	4	LAT Spare 23 Voltage	
L_SPARE_24V	sc_hwtlm_itos	0	4	LAT Spare 24 Voltage	
L_SPARE_2T	sc_hwtlm_itos	3	2	LAT Spare 2 Temperature	
L_SPARE_3T	sc_hwtlm_itos	3	2	LAT Spare 3 Temperature	
L_SPARE_4T	sc_hwtlm_itos	3	2	LAT Spare 4 Temperature	
L_SPARE_5T	sc_hwtlm_itos	3	2	LAT Spare 5 Temperature	
L_SPARE_6T	sc_hwtlm_itos	3	2	LAT Spare 6 Temperature	
L_SPARE_7T	sc_hwtlm_itos	3	2	LAT Spare 7 Temperature	
L_SPARE_8T	sc_hwtlm_itos	3	2	LAT Spare 8 Temperature	
L_SPARE_9V	sc_hwtlm_itos	0	4	LAT Spare 9 Voltage	
SAC_MODE	itos_dbx_tlm	13	5	GNC_TLM_MODE Telemetry (SIANCILLARY GNC_MODE)	12/5/06
SACFLAGARRENABL	itos_dbx_tlm	13	1	SIANCILLARY - ARR_ENABLE - Equals 1 when ENABLED; Equal 0 when DISABLED.	12/5/06
SACFLAGGBMINSAA	itos_dbx_tlm	13	1	SIANCILLARY - Indicates whether spacecraft, referencing the GBM, is located within the 12 point polygon defined for the South Atlantic Anomaly	12/5/06
SACFLAGGPSOUTAG	itos_dbx_tlm	13	1	SIANCILLARY - GPS_OUTAGE - Equals one (1) during a GPS outage; otherwise zero (0).	12/5/06
SACFLAGISINSUN	itos_dbx_tlm	13	1	SIANCILLARY - IS_IN_SUN - Equals one (1) when S/C is in the sun; otherwise zero (0).	12/5/06
SACFLAGKUBANDON	itos_dbx_tlm	13	1	SIANCILLARY - KUBAND_ON - Equals one (1) when the KUBAND transmitter is on; otherwise zero (0).	12/5/06
SACFLAGLATINSAA	itos_dbx_tlm	13	1	SIANCILLARY - Indicates whether spacecraft, referencing the LAT, is located within the 12 point polygon defined for the South Atlantic Anomaly	12/5/06
SACFLAGSBANDON	itos_dbx_tlm	13	1	SIANCILLARY - SBAND_ON - Equals one (1) when the SBAND transmitter is on; otherwise zero (0).	12/5/06
SACSCLKSECS	itos_dbx_tlm	13	1	SIATTITUDE - The seconds field of the S/C Clock time associated with the S/C attitude.	12/5/06
SACSCLKSUBSECS	itos_dbx_tlm	13	1	SIATTITUDE - The subseconds field of the S/C Clock time associated with the S/C attitude.	12/5/06
SACTCFLAGS	itos_dbx_tlm	13	1	SIANCILLARY FLAGS field.	12/5/06
SACSSRUSAGE	itos_dbx_tlm	15	1	SIANCILLARY - SSR usage indicator.	12/6/06
SBCHEARTBEATLAT	itos_dbx_tlm	13	1	Indicates whether S/C is receiving LAT telemetry heartbeat. 1 = Heart is beating. 0 = Heart beat has stopped. S/C 1553 Bus Simulator is hardcoded to expect telemetry at least once every 10 seconds. For S/C FSW, the timeout will be a flight parameter.	

Mnemonic	Source	1st APID	Count of APIDs	Description	Update Date
SBCLERRCWLAT	itos_dbx_tlm	14	1	Last LAT transaction error 1553 Command Word. Because errors are not queued, this only indicates the last error that occurred.	
SBCLERRTYPELAT	itos_dbx_tlm	14	1	Last LAT transaction error type.	
SBCPRMBUSLAT	itos_dbx_tlm	13	1	LAT 1553 prime bus (0 = A; 1 =B)	
SBCRCVTC_LAT	itos_dbx_tlm	15	1	Received telecommand to route from LAT	
SBCRCVTLMALAT	itos_dbx_tlm	14	1	Received TDRSS telemetry count from LAT	
SBCRCVTLMBYTLAT	itos_dbx_tlm	13	1	Increments for each telemetry byte received from LAT. Counter will increment whether or not telemetry packet validation is successful.	
SBCRCVTLMDLAT	itos_dbx_tlm	14	1	Received science telemetry count from LAT	
SBCRCVTLMLRLAT	itos_dbx_tlm	14	1	Received real-time telemetry count from LAT	
SBCREJECTTLMLAT	itos_dbx_tlm	15	1	Rejected telemetry count from LAT. S/C FSW validates format of each received telemetry packet. This indicator is incremented when a packet is discarded.	
SBCRJCTTC_LAT	itos_dbx_tlm	15	1	Rejected telecommand count from LAT. S/C FSW validates format of each received telecommand packet. This indicator is incremented when a packet is discarded.	
SBCRJCTTLMLRLAT	itos_dbx_tlm	15	1	Number of rejected LAT housekeeping packets.	
SBCRTENBLLAT	itos_dbx_tlm	14	1	One if LAT is enabled for 1553 communications	
SBCTXERRCNTLAT	itos_dbx_tlm	14	1	Increments for each LAT transaction error.	
SD_AA_CPUA	sc_hwtlm_itos	0	1	CPU A ON	10/30/06
SD_AA_CPUB	sc_hwtlm_itos	0	1	CPU B ON	10/30/06
SD_AB_CPUA	sc_hwtlm_itos	0	1	CPU A ON	10/30/06
SD_AB_CPUB	sc_hwtlm_itos	0	1	CPU B ON	10/30/06
SD_RTD_CAL_1T	sc_hwtlm_itos	8	2	CAL Resistor 1 Temperature	11/14/06
SD_RTD_CAL_2T	sc_hwtlm_itos	8	2	CAL Resistor 2 Temperature	11/14/06
SD_YSI_CAL_1T	sc_hwtlm_itos	9	2	Calibration Resistor 1 Temperature	11/14/06
SD_YSI_CAL_2T	sc_hwtlm_itos	9	2	Calibration Resistor 2 Temperature	11/14/06
SD_YSI_CAL_3T	sc_hwtlm_itos	9	2	Calibration Resistor 3 Temperature	11/14/06
SD_YSI_CAL_4T	sc_hwtlm_itos	9	2	Calibration Resistor 4 Temperature	11/14/06
SE_PAL2_CB1_CMD	sc_hwtlm_itos	1	4	PDU A LCB2 CB1 Command	
SE_PAL2_CB1_PWR	sc_hwtlm_itos	1	4	PDU A LCB2 CB1 Power Status	
SE_PAL2_CB1_S	sc_hwtlm_itos	1	4	PDU A LCB2 CB1 Status	
SE_PAL2_CB1_S_1	sc_hwtlm_itos	1	4	PDU A LCB2 CB1 Status 1	
SE_PAL2_CB1_S_2	sc_hwtlm_itos	1	4	PDU A LCB2 CB1 Status 2	
SE_PAL2_CB2_CMD	sc_hwtlm_itos	1	4	PDU A LCB2 CB2 Command	
SE_PAL2_CB2_PWR	sc_hwtlm_itos	1	4	PDU A LCB2 CB2 Power Status	
SE_PAL2_CB2_S	sc_hwtlm_itos	1	4	PDU A LCB2 CB2 Status	
SE_PAL2_CB2_S_1	sc_hwtlm_itos	1	4	PDU A LCB2 CB2 Status 1	
SE_PAL2_CB2_S_2	sc_hwtlm_itos	1	4	PDU A LCB2 CB2 Status 2	
SE_PAL2_CB7_CMD	sc_hwtlm_itos	1	4	PDU A LCB2 CB7 Command	
SE_PAL2_CB7_PWR	sc_hwtlm_itos	1	4	PDU A LCB2 CB7 Power Status	

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SE_PAL2_CB7_S	sc_hwtlm_itos	1	4	PDU A LCB2 CB7 Status	
SE_PAL2_CB7_S_1	sc_hwtlm_itos	1	4	PDU A LCB2 CB7 Status 1	
SE_PAL2_CB7_S_2	sc_hwtlm_itos	1	4	PDU A LCB2 CB7 Status 2	
SE_PAL2_CB8_CMD	sc_hwtlm_itos	1	4	PDU A LCB2 CB8 Command	
SE_PAL2_CB8_PWR	sc_hwtlm_itos	1	4	PDU A LCB2 CB8 Power Status	
SE_PAL2_CB8_S	sc_hwtlm_itos	1	4	PDU A LCB2 CB8 Status	
SE_PAL2_CB8_S_1	sc_hwtlm_itos	1	4	PDU A LCB2 CB8 Status 1	
SE_PAL2_CB8_S_2	sc_hwtlm_itos	1	4	PDU A LCB2 CB8 Status 2	
SE_PAL3_SIU_SW	sc_hwtlm_itos	2	4	PDU A LCB3 SIU SW	12/5/06
SE_PAL3_VCHP_SW	sc_hwtlm_itos	2	4	PDU A LCB3 VHCP SW	12/5/06
SE_PAL4_DQA_INH	sc_hwtlm_itos	2	4	PDU A DAQ Inhibit Status	
SE_PAL4_SIU_INH	sc_hwtlm_itos	2	4	PDU A SIU Inhibit Status	
SE_PBL2_CB1_CMD	sc_hwtlm_itos	2	4	PDU-B LCB2 CB1 Command	
SE_PBL2_CB1_PWR	sc_hwtlm_itos	2	4	PDU-B LCB2 CB1 Power Status	
SE_PBL2_CB1_S_1	sc_hwtlm_itos	2	4	PDU-B LCB2 CB1 Status 1	
SE_PBL2_CB1_S_2	sc_hwtlm_itos	2	4	PDU-B LCB2 CB1 Status 2	
SE_PBL2_CB1_ST	sc_hwtlm_itos	2	4	PDU B LCB2 CB1 Status - IPCU CPU A	
SE_PBL2_CB2_CMD	sc_hwtlm_itos	2	4	PDU-B LCB2 CB2 Command	
SE_PBL2_CB2_PWR	sc_hwtlm_itos	2	4	PDU-B LCB2 CB2 Power Status	
SE_PBL2_CB2_S	sc_hwtlm_itos	2	4	PDU B LCB2 CB2 Status - IPCU CPU B	
SE_PBL2_CB2_S_1	sc_hwtlm_itos	2	4	PDU-B LCB2 CB2 Status 1	
SE_PBL2_CB2_S_2	sc_hwtlm_itos	2	4	PDU-B LCB2 CB2 Status 2	
SE_PBL2_CB7_CMD	sc_hwtlm_itos	2	4	PDU-B LCB2 CB7 Command	
SE_PBL2_CB7_PWR	sc_hwtlm_itos	2	4	PDU-B LCB2 CB7 Power Status	
SE_PBL2_CB7_S	sc_hwtlm_itos	2	4	PDU B LCB2 CB7 Status	
SE_PBL2_CB7_S_1	sc_hwtlm_itos	2	4	PDU-B LCB2 CB7 Status 1	
SE_PBL2_CB7_S_2	sc_hwtlm_itos	2	4	PDU-B LCB2 CB7 Status 2	
SE_PBL2_CB8_CMD	sc_hwtlm_itos	2	4	PDU-B LCB2 CB8 Command	
SE_PBL2_CB8_PWR	sc_hwtlm_itos	2	4	PDU-B LCB2 CB8 Power Status	
SE_PBL2_CB8_S	sc_hwtlm_itos	2	4	PDU B LCB2 CB8 Status	
SE_PBL2_CB8_S_1	sc_hwtlm_itos	2	4	PDU-B LCB2 CB8 Status 1	
SE_PBL2_CB8_S_2	sc_hwtlm_itos	2	4	PDU-B LCB2 CB8 Status 2	
SE_PBL3_SIU_SW	sc_hwtlm_itos	3	4	PDU B LCB3 SIU SW	12/5/06
SE_PBL3_VCHP_SW	sc_hwtlm_itos	3	4	PDU B LCB3 VHCP SW	12/5/06
SE_PBL4_DQA_INH	sc_hwtlm_itos	3	4	PDU B DAQ Inhibit Status	
SE_PBL4_SIU_INH	sc_hwtlm_itos	3	4	PDU B SIU Inhibit Status	
SE_PDUA_ESB_V	sc_hwtlm_itos	0	20	PDU A, Bus Voltage	
SE_PDUA_NB2	sc_hwtlm_itos	2	4	PDU A NEB2 State	12/5/06
SE_PDUA_NB4	sc_hwtlm_itos	2	4	PDU A NEB4 State	12/5/06
SE_PDUA_SW_L2_I	sc_hwtlm_itos	0	20	PDU A, Switched LCB Bus Current 2(7:0)	
SE_PDUA_SW_L4_I	sc_hwtlm_itos	0	20	PDU A, Switched LCB Bus Current 4(7:0)	

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SE_PDUB_ESB_V	sc_hwtlm_itos	0	20	PDU B, Bus Voltage(7:0)	
SE_PDUB_NB2	sc_hwtlm_itos	3	4	PDU B NEB2 State	12/5/06
SE_PDUB_NB4	sc_hwtlm_itos	3	4	PDU B NEB4 State	12/5/06
SE_PDUB_SW_L2_I	sc_hwtlm_itos	0	20	PDU B, Switched LCB Bus Current 2(7:0)	
SE_PDUB_SW_L4_I	sc_hwtlm_itos	0	20	PDU B, Switched LCB Bus Current 4(7:0)	
SE_PRU_P_DAQ_V	sc_hwtlm_itos	0	20	EPS Primary DAQ Feeder Voltage	
SE_PRU_P_SIU_V	sc_hwtlm_itos	0	20	EPS Primary PRU SIU/VCHP Bus Voltage	
SE_PRU_R_DAQ_V	sc_hwtlm_itos	0	20	EPS Redundant DAQ Feeder Voltage	
SE_PRU_R_SIU_V	sc_hwtlm_itos	0	20	EPS Redundant PRU SIU/VCHP Bus Voltage	
SG_INSAALAT	itos_dbx_tlm	15	1	GNC_TLM_IN_SAA_LAT - SAA indicator	
SG_NAVPOSJ2000_1	itos_dbx_tlm	13	1	GNC_TLM_NAV_POS_J2000(1) (m) Spacecraft position	12/5/06
SG_NAVPOSJ2000_2	itos_dbx_tlm	13	1	GNC_TLM_NAV_POS_J2000(2) (m) Spacecraft position	12/5/06
SG_NAVPOSJ2000_3	itos_dbx_tlm	13	1	GNC_TLM_NAV_POS_J2000(3) (m) Spacecraft position	12/5/06
SG_NAVVELJ2000_1	itos_dbx_tlm	13	1	GNC_TLM_NAV_VEL_J2000(1) (m/sec) Spacecraft velocity	12/5/06
SG_NAVVELJ2000_2	itos_dbx_tlm	13	1	GNC_TLM_NAV_VEL_J2000(2) (m/sec) Spacecraft velocity	12/5/06
SG_NAVVELJ2000_3	itos_dbx_tlm	13	1	GNC_TLM_NAV_VEL_J2000(3) (m/sec) Spacecraft velocity	12/5/06
SG_OMEGA1	itos_dbx_tlm	13	5	GNC_TLM_OMEGA(1) (deg/sec) Spacecraft rate	12/5/06
SG_OMEGA2	itos_dbx_tlm	13	5	GNC_TLM_OMEGA(2) (deg/sec) Spacecraft rate	12/5/06
SG_OMEGA3	itos_dbx_tlm	13	5	GNC_TLM_OMEGA(3) (deg/sec) Spacecraft rate	12/5/06
SG_QBI1	itos_dbx_tlm	13	5	GNC_TLM_QBI(1) - Spacecraft Attitude	12/5/06
SG_QBI2	itos_dbx_tlm	13	5	GNC_TLM_QBI(2) - Spacecraft Attitude	12/5/06
SG_QBI3	itos_dbx_tlm	13	5	GNC_TLM_QBI(3) - Spacecraft Attitude	12/5/06
SG_QBI4	itos_dbx_tlm	13	5	GNC_TLM_QBI(4) - Spacecraft Attitude	12/5/06
SLGIOLATBYTECNT	itos_dbx_tlm	26	1	LGIO LAT Byte Count	
SLGIOLATCTRLB00	itos_dbx_tlm	26	1	LAT_PRI_CNTRL_0	
SLGIOLATCTRLB01	itos_dbx_tlm	26	1	LAT_PRI_CNTRL_1	
SLGIOLATCTRLB02	itos_dbx_tlm	26	1	LAT_PRI_CNTRL_2	
SLGIOLATCTRLB03	itos_dbx_tlm	26	1	LAT_RED_CNTRL0	
SLGIOLATCTRLB04	itos_dbx_tlm	26	1	LAT_RED_CNTRL1	
SLGIOLATCTRLB05	itos_dbx_tlm	26	1	LAT_RED_CNTRL2	
SLGIOLATCTRLB06	itos_dbx_tlm	26	1	LAT_PRI_MNTR0 (PRIM_SIU_MEM_ERROR)	
SLGIOLATCTRLB07	itos_dbx_tlm	26	1	LAT_PRI_MNTR1 (PRIM_SIU_COMM_ERROR)	
SLGIOLATCTRLB08	itos_dbx_tlm	26	1	LAT_RED_MNTR0 (RDNT_SIU_MEM_ERROR)	
SLGIOLATCTRLB09	itos_dbx_tlm	26	1	LAT_RED_MNTR1 (RDNT_SIU_COMM_ERROR)	
SLGIOLATCTRLB11	itos_dbx_tlm	26	1	SPARE_LVDS_O_UT0	
SLGIOLATCTRLB12	itos_dbx_tlm	26	1	SPACE_LVDS_O_UT1	
SLGIOLATCTRLB13	itos_dbx_tlm	26	1	SPARE_LVDS_O_UT2	
SLGIOLATCTRLREG	itos_dbx_tlm	26	1	LGIO LAT Control Register	
SLGIOLATGBMDATA	itos_dbx_tlm	26	1	LGIO Status Register's LAT/GBM Data.	
SLGIOLATINMUX	itos_dbx_tlm	26	1	LGIO Control Register's LAT Input Mux Select	
SLGIOLATINSTOP	itos_dbx_tlm	26	1	LGIO Status Register's LAT Input Stop	

Mnemonic	Source	1st APID	Count of APIDs	Description	Update Date
SLGIOLATPKTCNT	itos_dbx_tlm	26	1	LGIO LAT Packet Counter	
SLGIOLATPRIMCNT	itos_dbx_tlm	26	1	Number of LGIO LAT Primary interface reset attempts. (Count of PRIM_SIU_RST Pulses)	
SLGIOLATPRIVALID	itos_dbx_tlm	26	1	LGIO Status Register's LAT Primary Valid*	
SLGIOLATPTRCTRL	itos_dbx_tlm	26	1	Number of LGIO Zero LAT Memory Pointer attempts.	
SLGIOLATREDCNT	itos_dbx_tlm	26	1	Number of LGIO LAT Redundant interface reset attempts. (Count of RDNT_SIU_RST Pulses)	
SLGIOLATREDVALID	itos_dbx_tlm	26	1	LGIO Status Register's LAT Redundant Valid*	
SLGIOSCREADY	itos_dbx_tlm	26	1	LGIO Status Register's SC Ready*	
SPLLAT1TCRECVD	itos_dbx_tlm	15	1	LAT normal TC received	
SPLLAT1TCREJCT	itos_dbx_tlm	15	1	LAT normal TC rejected (queue was full)	
SPLLAT2TCRECVD	itos_dbx_tlm	15	1	LAT RT-to-RT TC received	
SPLLAT2TCREJCT	itos_dbx_tlm	15	1	LAT RT-to-RT TC rejected (queue was full)cted (queue was full)	
STWRENBL_SSRSCI	itos_dbx_tlm	15	1	Indicates whether writes to Instrument SSR Science Data partition are enabled.	11/7/06
STWRENBL_SSR TLM	itos_dbx_tlm	15	1	Indicates whether writes to SSR Housekeeping partition are enabled.	11/7/06
VSACTMGT_ARR_ENA	itos_dbx_tlm	292	1	Indicates whether Autonomous Repoint Requests (ARR) will be accepted (1 = yes, 0 = no)	
VSB CPBUSLAT	itos_dbx_tlm	294	1	1553 prime bus for LAT (0=Bus A, 1=Bus B)	
VSGSAA2PLAT01	itos_dbx_tlm	313	1	GNC_PARM_SAA2POLY_LAT_01 (deg) SAA Polygon Definition	
VSGSAA2PLAT02	itos_dbx_tlm	313	1	GNC_PARM_SAA2POLY_LAT_02 (deg) SAA Polygon Definition	
VSGSAA2PLAT03	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LAT_03 (deg) SAA Polygon Definition	
VSGSAA2PLAT04	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LAT_04 (deg) SAA Polygon Definition	
VSGSAA2PLAT05	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LAT_05 (deg) SAA Polygon Definition	
VSGSAA2PLAT06	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LAT_06 (deg) SAA Polygon Definition	
VSGSAA2PLAT07	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LAT_07 (deg) SAA Polygon Definition	
VSGSAA2PLAT08	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LAT_08 (deg) SAA Polygon Definition	
VSGSAA2PLAT09	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LAT_09 (deg) SAA Polygon Definition	
VSGSAA2PLAT10	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LAT_10 (deg) SAA Polygon Definition	
VSGSAA2PLAT11	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LAT_11 (deg) SAA Polygon Definition	
VSGSAA2PLAT12	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LAT_12 (deg) SAA Polygon Definition	
VSGSAA2PLONG01	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LONG_01 (deg) SAA Polygon Definition	
VSGSAA2PLONG02	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LONG_02 (deg) SAA Polygon Definition	
VSGSAA2PLONG03	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LONG_03 (deg) SAA Polygon Definition	
VSGSAA2PLONG04	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LONG_04 (deg) SAA Polygon Definition	
VSGSAA2PLONG05	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LONG_05 (deg) SAA Polygon Definition	
VSGSAA2PLONG06	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LONG_06 (deg) SAA Polygon Definition	
VSGSAA2PLONG07	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LONG_07 (deg) SAA Polygon Definition	
VSGSAA2PLONG08	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LONG_08 (deg) SAA Polygon Definition	
VSGSAA2PLONG09	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LONG_09 (deg) SAA Polygon Definition	

Mnemonic	Source	1st APID	Count of APIDs	Description	Update Date
VSGSAA2PLONG10	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LONG_10 (deg) SAA Polygon Definition	
VSGSAA2PLONG11	itos_dbx_tlm	314	1	GNC_PARM_SAA2POLY_LONG_11 (deg) SAA Polygon Definition	
VSGSAA2PLONG12	itos_dbx_tlm	0	1	GNC_PARM_SAA2POLY_LONG_12 (deg) SAA Polygon Definition	

TOTAL	263
LAT Analog	94
S/C telemetry	169
Flt Software	97
Hardware	72