						ımn definitio						
Column name	PDS3 Data type from label	PDS3 label offset	Archived PDS3 values	Fits header Form TZI		What PDS3 sign should be?	PDS3 Value	PDS4 value	PDS4 datatype	Min max	Do they match now?	Fix if needed?
MET	MSB4	2147483648	Unsigned	4-byte INTEGER	2147483648		93476401.0	93476401	Signed msb4	160000000		
TDB	IEEE754MSBDouble		Signed	8-byte DOUBLE		Signed				-1.79769 1.7969		
DQI TIME_TAG	MSB4 MSB4	2147483648 2147483648	· ·	4-byte INTEGER 4-byte INTEGER	2147483648 2147483648	_	0.0 93476401.0		Signedmsb4 Signedmsb4	0-4294967295	Yes Yes	
INTEGRATION_TIME	MSB2	32768	Signed	2-byte INTEGER	32768	Signed	2400.0	2400	Signed MSB2		Yes	
BGO_PROTON_FLARE_FLG	Byte		Signed	BYTE BYTE		Unsigned	0		Signed Byte	0-1	Yes	
BSGO_LEVEL_1_SAFE_FLG BGO_LEVEL_2_SAFE_FLG	Byte Byte		Signed Signed	BYTE		Unsigned Unsigned	0		) Signed Byte ) Signed Byte	0-1 0-1	Yes Yes	
NAL_LEVEL_1_SAFE_FLG	Byte		Signed	BYTE		Unsigned	0		) Signed Byte	0-1	yes	
NAL_LEVEL_2_SAFE_FLG	Byte		Signed	BYTE		Unsigned	0		Signed Byte	0-1	Yes	
NAL_INT_OVERFLOW_FLG  BGO_INT_OVERFLOW_FLG	Byte Byte		Signed Signed	BYTE BYTE		Unsigned Unsigned	0		) Signed Byte ) Signed Byte	0-1 0-1	Yes Yes	
NAL_ANTICOINCID_OVFL_FLG	Byte		Signed	BYTE		Unsigned	0		Signed Byte	0-1	Yes	
NAL_SINGLE_ESCP_OVFL_FLG	Byte		Signed	ВҮТЕ		Unsigned	0		) Signed Byte	0-1	Yes	
NAL_DOUBLE_ESCP_OVFL_FLG  BGO_SINGLE_ESCP_OVFL_FLG	Byte Byte		Signed Signed	BYTE BYTE		Unsigned Unsigned	0		) Signed Byte ) Signed Byte	0-1 0-1	Yes Yes	
BGO_DOUBLE_ESCP_OVFL_FLG	Byte		Signed	вуте		Unsigned	0		Signed Byte	0-1	Yes	
NAL_RAW_EVENT_RATE	MSB4	2147483648		4-byte INTEGER	2147483648	_	348218.0		3 Signedmsb4	4294967295		
BGO_RAW_EVENT_RATE  NAL_NUM_HIGH_ENERGY_EVENTS	MSB5	2147483648 2147483648		4-byte INTEGER 4-byte INTEGER	2147483648 2147483648		3043577.0 120074.0		Signedmsb4 Signedmsb4	4294967295 4294967295		
BGO_NUM_HIGH_ENERGY_EVENTS		2147483648	Ü	4-byte INTEGER	2147483648	· ·	1006828.0		3 Signedmsb4	4294967295		
NUM_NAL_ANTICOINCID_EVENTS	MSB4	2147483648	Signed	4-byte INTEGER	2147483648	Signed	13990.0	13990	) Signedmsb4	4294967295	Yes	
NUM_NAL_VALID_EVENTS	MSB4	2147483648	Ü	4-byte INTEGER	2147483648	_	310128.0		3 Signedmsb4	4294967295		
NUM_BGO_VALID_EVENTS NAL_DC_OFFSET	MSB4 MSB2	2147483648 -32768		4-byte INTEGER 2-byte INTEGER	2147483648 32768	· ·	2266171.0 -4		Signedmsb4 Unsigned MSB2	4294967295 2 -2048 - 2047	Yes	Needed an offset of -32768
bgo_dc_offset	MSB2		Signed	2-byte INTEGER	32768	_	7.0		' Signed MSB2	-2048 - 2048	Yes	
NAL_STAND_DEV	MSB2		Signed	2-byte INTEGER	32768		3.0		B Signed MSB2	0 - 2047	Yes	
BGO_STAND_DEV  DETECTOR_ELECTR_CURR	MSB2 byte		Signed Signed	2-byte INTEGER BYTE	32768	Signed Unsigned	6.0 133		Signed MSB2 Unsigned Byte	0 - 2047 0 - 255	Yes Yes	
XRAY_PIN_DIODE_FET_BIAS	byte		Signed	ВҮТЕ		Unsigned	34		Signed Byte	0 - 256	Yes	
HVCE_TEMPERATURE	MSB2		Signed	2-byte INTEGER		Signed	2336.0		Signed MSB2	0 - 4095	Yes	
UNF_XRAY_HVPS_VOLT MG_XRAY_HVPS_VOLT	MSB2 MSB2		Signed Signed	2-byte INTEGER 2-byte INTEGER	32768 32768		971.0 981.0		Signed MSB2 Signed MSB2	0 - 4095 0 - 4095	Yes Yes	
AL_XRAY_HVPS_VOLT	MSB2		Signed	2-byte INTEGER	32768	_	981.0		Signed MSB2	0 - 4095	Yes	
XRAY_GAS_HVPS_VOLT	MSB2	32768	Signed	2-byte INTEGER	32768	Signed	978.0	978	3 Signed MSB2	0 - 4095	Yes	
XRAY_PIN_HVPS_VOLT NAL_HVPS_VOLT	MSB2 MSB2		Signed Signed	2-byte INTEGER 2-byte INTEGER	32768 32768	_	49.0 1112.0		Signed MSB2 Signed MSB2	0 - 4095 0 - 4095	Yes Yes	
BGO_HVPS_VOLT	MSB2		Signed	2-byte INTEGER	32768		1120.0		Signed MSB2  Signed MSB2	0 - 4095	Yes	
DPU_DC_DC_TEMP	Byte		Signed	Byte		Unsigned	233	106	Unsigned Byte	-128 - 127	No	Needed to add offset -128
XGRS_DC_DC_TEMP	Byte		Signed	Byte		Unsigned	236		Unsigned Byte		No	Needed to add offset -128
UNF_XRAY_HVPS_TEMP MG_XRAY_HVPS_TEMP	Byte Byte		Signed Signed	Byte Byte		Unsigned Unsigned	211 210		Unsigned Byte Unsigned Byte	-128 - 127 -128 - 127	No No	Needed to add offset -128  Needed to add offset -128
AL_XRAY_HVPS_TEMP	Byte		Signed	Byte		Unsigned	211	84	Unsigned Byte	-128 - 127	No	Needed to add offset -128
XRAY_GAS_HVPS_TEMP	Byte		Signed	Byte		Unsigned	212		Unsigned Byte	-128 - 127	No	Needed to add offset -128
XRAY_PIN_HVPS_TEMP NAL HVPS TEMP	Byte Byte		Signed Signed	Byte Byte		Unsigned Unsigned	212 213		Unsigned Byte Unsigned Byte	-128 - 127 -128 - 127	No No	Needed to add offset -128  Needed to add offset -128
BGO_HVPS_TEMP	Byte		Signed	Byte		Unsigned	215		3 Unsigned Byte	-128 - 127	No	Needed to add offset -128
TEC_CURRENT	Byte		Signed	Byte		Unsigned	2		2 Signed Byte	0 - 255	Yes	
NAL_HVPS_VOLT_CMD BGO_HVPS_VOLT_CMD	MSB2 MSB2	32768 32768		2-byte INTEGER 2-byte INTEGER	32768 32768	-	2178.0 2186.0		Signed MSB2 Signed MSB2	0 - 2447 0 - 2447	Yes Yes	
UNF_HVPS_VOLT_CMD	MSB2	32768	-	2-byte INTEGER	32768		1894.0		Signed MSB2	0 - 2447	Yes	
MG_HVPS_VOLT_CMD	MSB2	32768	-	2-byte INTEGER	32768		1906.0		Signed MSB2	0 - 2447	Yes	
AL_HVPS_VOLT_CMD HVPS_POWER_ON_OFF	MSB2 Byte	32768	Signed Signed	2-byte INTEGER Byte	32768	Signed Unsigned	1894.0		Signed MSB2 Signed Byte	0 - 2447 0 - 1	Yes Yes	
XRAY_CALIB_HOME_FLG	Byte		Signed	Byte		Unsigned	0		Signed Byte	0 - 1	Yes	
XRAY_CALIB_MOTOR_ON_OFF	Byte		Signed	Byte		Unsigned	0	0	) Signed Byte	0 - 1	Yes	
XRAY_CALIB_MOTOR_ENABLE GAS_HVPS_VOLT_CMD	Byte MSB2	32768	Signed	Byte 2-byte INTEGER	32768	Unsigned	0 1894.0		Signed Byte Signed	0 - 1	Yes 'Yes	
PIN_HVPS_VOLT_CMD	MSB2	32768	-	2-byte INTEGER  2-byte INTEGER	32768	_	0.0		) Signed		res I Yes	
GAMMA_RAY_HEATER_CURR	Byte		Signed	Byte		Unsigned	30	30	) Signed Byte	0 - 114	Yes	
SPAREO	Byte		Signed	Byte		Unsigned	0		Signed Byte	0 - 255	Yes	
XRAY_CALIB_MOTOR_DIR XRAY_CALIB_MOTOR_CURR	Byte Byte		Signed Signed	Byte Byte		Unsigned Unsigned	3		Signed Byte  Signed Byte	0 - 1 0 - 7	Yes Yes	
XRAY_CALIB_MOTOR_GOAL	Byte		Signed	Byte		Unsigned	75		Signed Byte	0 - 199	Yes	
XRAY_CALIB_MOTOR_POS	Byte		Signed	Byte		Unsigned	75		Signed Byte	0 - 199	Yes	
XRAY_CALIB_MOTOR_FID_SENS XRAY_CALIB_MOTOR_FID_BRIT	Byte Byte		Signed Signed	Byte Byte		Unsigned Unsigned	4		Signed Byte Signed Byte	0 - 7 0 -3	Yes Yes	
XRAY_MOTOR_IN_CALIB_POSITION	-		Signed	Byte		Unsigned	0		Signed Byte	0 - 1	Yes	
XRAY_MOTOR_IN_NORM_POSITION	-		Signed	Byte		Unsigned	0		) Signed Byte	0 - 1	Yes	
ACTIVE_SOLAR_TOGGLE_MODE  XRAY_CALIB_MAX_STEPS	Byte MSB2		Signed Signed	Byte 2-byte INTEGER	32678	Unsigned Signed	200.0		) Signed Byte ) SignedMSB2	0 - 1 0 - 1023	Yes Yes	
SPARE1	Byte		Signed	Byte		Unsigned	0		Signed Byte	0 1020	Yes	
TEC_ENABLE	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes	
XRAY_CALIB_CUM_MOTOR_STPS	MSB2	32768		2-byte INTEGER	32678		277.0		Signed MSB2	0 - 4095	Yes	
SPARE2 XRAY_SAFING_THRESH	Byte MSB2	32768	Signed Signed	Byte 2-byte INTEGER	32678	Unsigned Signed	100 30000.0		) Signed Byte ) Signed	0 - 65535	Yes Yes	
XRAY_CALIB_MOTOR_DIAG	Byte		Signed	Byte		Unsigned	0		) Signed Byte	0 - 1	Yes	
TEC_POWER_ON_OFF	Byte		Signed	Byte		Unsigned	0		Signed Byte	0 - 1	Yes	
TEC_MODE TEC_COOL_HEAT_FLG	Byte Byte		Signed Signed	Byte Byte		Unsigned Unsigned	0		) Signed Byte ) Signed Byte	0 - 1 0 - 1	Yes Yes	
TEC_TEMPERATURE	MSB2		Signed	2-byte INTEGER	32768	_	2127.0		Signed Byte  Signed	0 - 4095	Yes	
TEC_COOL_MODE_TEMP_UP_LMT	Byte		Signed	Byte		Unsigned	160		Unsigned Byte	0 -255	Yes	
TEC_COOL_MODE_TEMP_LOW_LMT TEC_HEAT_MODE_TEMP_UP_LMT	Byte Byte		Signed Signed	Byte Byte		Unsigned Unsigned	114 193		Signed Byte Unsigned Byte	0 -255 0 -255	Yes Yes	
TEC_HEAT_MODE_TEMP_UP_LOW_LMT	-		Signed	Byte		Unsigned	185		Unsigned Byte	0 -255 0 -255	Yes	
GAMMA_RAY_TEMP_HYSTERESIS	Byte		Signed	Byte		Unsigned	2	2	2 Signed Byte	0 -15	Yes	
GAMMA_RAY_HEAT_TEMP_LOW_LM FULL_GAMMA_RAY_SCIENCE_MODE			Signed Signed	2-byte INTEGER Byte	32768	Signed Unsigned	2400.0		Signed MSB2 Signed Byte	0 - 4095 0 - 1	Yes Yes	
MAININA HAI SCIENCE WIUDE			Signicu	-		onoign <del>e</del> u	1					
FULL_XRAY_SCIENCE_MODE	Byte		Signed	Byte		Unsigned	1	1	Signed Byte	0 - 1	Yes	
	-		Signed Signed	Byte Byte		Unsigned Unsigned	1	1	Signed Byte Signed Byte Signed Byte	0 - 1 0 - 1	Yes Yes Yes	

LIVOE TEMP CET POINT	MODO	00700	Olava a al	0 h. +- INTEOED	00700	Oi sus a al	1000.0	1000.0	Oissa ad Mak O	0 1004	V
HVCE_TEMP_SET_POINT		32768	Signed	2-byte INTEGER	32768		1200.0		Signed Msb2	0 - 1364	Yes
CMDED_END_XRAY_INTEG_PER	Byte		Signed	Byte		Unsigned	0		Signed Byte	0 - 1	Yes
CMDED_GAMMA_RAY_INTEG_PER	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
BGO_PROTON_FLARE_FLAG	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
GAMMA_RAY_BIN_OVER_FLG_CMD	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
UNF_XRAY_BIN_OVER_FLG_CMD	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
MG_BIN_OVER_FLG_CMD	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
AL_BIN_OVER_FLG_CMD	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
ACT_BIN_OVER_FLG_CMD	Byte		Signed	Byte		Unsigned	0		Signed Byte	0 - 1	Yes
NAL_BIN_OVERFLOW_FLG	Byte		Signed	Byte		Unsigned	0		Signed Byte	0 - 1	Yes
BGO_BIN_OVERFLOW_FLG	Byte		Signed	Byte		Unsigned	0		Signed Byte	0 - 1	Yes
NAL_ANTICOIN_OVERFLOW_FLG	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
NAL_SING_ESC_OVERFLOW_FLG	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
NAL_DOUB_ESC_OVERFLOW_FLG	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
BGO_SING_ESC_OVERFLOW_FLG	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
BGO_DOUB_ESC_OVERFLOW_FLG	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
UNF_XRAY_BIN_OVERFLOW_FLG	Byte		Signed	Byte		Unsigned	0		Signed Byte	0 - 1	Yes
MG_BIN_OVERFLOW_FLG	Byte		Signed	Byte		Unsigned	0		Signed Byte	0 - 1	Yes
			_								
AL_BIN_OVERFLOW_FLG	Byte		Signed	Byte		Unsigned	0		Signed Byte	0 - 1	Yes
ACT_BIN_OVERFLOW_FLG	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
GAMMA_RAY_HEAT_ON_OFF	Byte		Signed	Byte		Unsigned	1	1	Signed Byte	0 - 1	Yes
GAMMA_RAY_HEAT_MODE	Byte		Signed	Byte		Unsigned	1	1	Signed Byte	0 - 1	Yes
BGO_LEVEL_1_SAFING_FLG	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
BGO_LEVEL_2_SAFING_FLG	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
SPARE4	Byte		Signed	Byte		Unsigned	0	0	Signed Byte		Yes
XRAY_INTEGR_TIME		32768	Signed	2-byte INTEGER	32768	Signed	300.0		Signed MSB2	0 - 65535	Yes
		02100	_	•	02700	-	000.0				
HVPS_ON_OFF	Byte		Signed	Byte		Unsigned	1		Signed Byte	0 - 1	Yes
PIN_SENSOR_MASK_FLG	Byte		Signed	Byte		Unsigned	0		Signed Byte	0 - 1	Yes
GAS_SENSOR_MASK_FLG	Byte		Signed	Byte		Unsigned	1	1	Signed Byte	0 - 1	Yes
AL_SENSOR_MASK_FLG	Byte		Signed	Byte		Unsigned	1	1	Signed Byte	0 - 1	Yes
MG_SENSOR_MASK_FLG	Byte		Signed	Byte		Unsigned	1	1	Signed Byte	0 - 1	Yes
UNF_SENSOR_MASK_FLG	Byte		Signed	Byte		Unsigned	1	1	Signed Byte	0 - 1	Yes
BGO_SENSOR_MASK_FLG	Byte		Signed	Byte		Unsigned	1	1	Signed Byte	0 - 1	Yes
NAL_SENSOR_MASK_FLG	Byte		Signed	Byte		Unsigned	1		Signed Byte	0 - 1	Yes
UNF_XRAY_RISE_TIME_THRESH	Byte		Signed	Byte		Unsigned	135		Unsigned Byte	0 - 255	Yes
						-					
MG_RISE_TIME_THRESH	Byte		Signed	Byte		Unsigned	135		Unsigned Byte	0 - 255	Yes
AL_RISE_TIME_THRESH	Byte		Signed	Byte		Unsigned	135	135	Unsigned Byte	0 - 255	Yes
GAS_RISE_TIME_THRESH	Byte		Signed	Byte		Unsigned	135	135	Unsigned Byte	0 - 255	Yes
UNF_RISE_TIME_VALID_THRESH	Byte		Signed	Byte		Unsigned	51	51	Signed Byte	0 - 255	Yes
MG_RISE_TIME_VALID_THRESH	Byte		Signed	Byte		Unsigned	51	51	Signed Byte	0 - 255	Yes
AL_RISE_TIME_VALID_THRESH	Byte		Signed	Byte		Unsigned	51	51	Signed Byte	0 - 255	Yes
GAS_RISE_TIME_VALID_THRESH	Byte		Signed	Byte		Unsigned	255		Unsigned Byte	0 - 255	Yes
GAMMA_RAY_INTEGR_TIME		32768	Signed	2-byte INTEGER	32768	Signed	2400.0		Signed MSB2	0 - 65535	Yes
			_	•		_					
GAMMA_SING_ESC_WIND_CENTER		32768	Signed	2-byte INTEGER	32768	Signed	48.0		Signed MSB2	0 - 1023	Yes
GAMMA_SING_ESC_WIND_WIDTH	Byte		Signed	Byte		Unsigned	19		Signed Byte	0 - 63	Yes
GAMMA_DOUB_ESC_WIND_CENTER	MSB2	32768	Signed	2-byte INTEGER	32768	Signed	93.0	93.0	Signed MSB2	0 - 1023	Yes
GAMMA_DOUB_ESC_WIND_WIDTH	Byte		Signed	Byte		Unsigned	21	21	Signed Byte	0 - 63	Yes
NAL_LOW_LEVEL_AMPL_THRESH	Byte		Signed	Byte		Unsigned	2	2	Signed Byte	0 - 255	Yes
BGO_LOW_LEVEL_AMPL_THRESH	Byte		Signed	Byte		Unsigned	3	3	Signed Byte	0 - 255	Yes
UNF_LOW_LEVEL_AMPL_THRESH	Byte		Signed	Byte		Unsigned	15	15	Signed Byte	0 - 255	Yes
MG_LOW_LEVEL_AMPL_THRESH	Byte		Signed	Byte		Unsigned	15	15	Signed Byte	0 - 255	Yes
AL_LOW_LEVEL_AMPL_THRESH	Byte		Signed	Byte		Unsigned	15		Signed Byte	0 - 255	Yes
GAS_LOW_LEVEL_AMPL_THRESH	Byte		Signed	Byte		Unsigned	15		Signed Byte	0 - 255	Yes
PIN_LOW_LEVEL_AMPL_THRESH	Byte		Signed	Byte		Unsigned	37		Signed Byte	0 - 255	Yes
GAMMA_RAY_SENSOR_TEMP	MSB2	32768	Signed	2-byte INTEGER	32768	Signed	2264.0	2264.0	Signed MSB2	0 - 4095	Yes
NAL_LEVEL_1_SAFING_FLG	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
UNF_LEVEL_1_SAFING_FLG	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
MG_LEVEL_1_SAFING_FLG	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
AL_LEVEL_1_SAFING_FLG	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
GAS_LEVEL_1_SAFING_FLG	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
PIN_LEVEL_1_SAFING_FLG	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
NAL_LEVEL_2_SAFING_FLG	Byte		Signed	Byte		Unsigned	0		Signed Byte	0 - 1	Yes
UNF_LEVEL_2_SAFING_FLG	Byte		Signed	Byte		Unsigned	0		Signed Byte	0 - 1	Yes
MG_LEVEL_2_SAFING_FLG	Byte		Signed	Byte		Unsigned	0		Signed Byte	0 - 1	Yes
AL_LEVEL_2_SAFING_FLG	Byte		Signed	Byte		Unsigned	0		Signed Byte	0 - 1	Yes
GAS_LEVEL_2_SAFING_FLG	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
PIN_LEVEL_2_SAFING_FLG	Byte		Signed	Byte		Unsigned	0	0	Signed Byte	0 - 1	Yes
XRAY_SENS_SAFING_REST_LEVEL	Byte		Signed	Byte		Unsigned	60	60	Signed Byte	0 - 255	Yes
GAMMA_SENS_SAFING_REST_LEVE	<b>L</b> Byte		Signed	Byte		Unsigned	60	60	Signed Byte	0 - 255	Yes
XRAY_SAFING_REST_MAX_RETRY	Byte		Signed	Byte		Unsigned	6	6	Signed Byte	0 - 255	Yes
GAMMA_SAFING_REST_MAX_RETRY			Signed	Byte		Unsigned	6		Signed Byte	0 - 255	Yes
GAMMA_HEATER_DUTY_CYCLE	Byte		Signed	Byte		Unsigned	100		Signed Byte	0 - 100	Yes
		20760			20760	-					
GAMMA_SENS_SAFING_THRESH			Signed	2-byte INTEGER		Signed	30000.0		Signed MSB2	0 - 65535	Yes
HVPS_CURRENT			Signed	2-byte INTEGER		Signed	19		Signed Byte	0 - 255	Yes
BGO_PROTON_FLARE_THRESH		32768	Signed	2-byte INTEGER	32768	Signed	10000.0	10000.0	Signed MSB2	0 - 65535	Yes
FULL_GAMMA_INTEGRAL_NAL	MSB2	32768	Unsigned	2-byte INTEGER	32768	Signed			Signed MSB2	0 - 65535	Yes
FULL_GAMMA_INTEGRAL_BGO	MSB2	32768	Unsigned	2-byte INTEGER	32768	Signed			Signed MSB2	0 - 65535	Yes
FULL_GAMMA_ANTI_COINC	MSB2	32768	Unsigned	2-byte INTEGER	32768	Signed			Signed MSB2	0 - 65535	Yes
FULL_GAMMA_SNGLE_ESC_NAL	MSB2	32768	Unsigned	2-byte INTEGER	32768	Signed			Signed MSB2	0 - 65535	Yes
FULL_GAMMA_DBL_ESC_NAL	MSB2	32768	Unsigned	2-byte INTEGER	32768	Signed			Signed MSB2	0 - 65535	Yes
PEAK_GAMMA_SINGLE_ESC_BGO			Unsigned	2-byte INTEGER		Signed			Signed MSB2	0 - 65535	Yes
PEAK_GAMMA_DOUBLE_ESC_BGO			Unsigned	2-byte INTEGER		Signed			Signed MSB2	0 - 65535	Yes
		U	J	,WEII	J_1 00	J. g. 10 <b>u</b>			g.104 MODE	- 50000	, 00