

				FACILITY: GKN25 (Level 1)					ENGINE: ATP_Calibration (Level 3)						
Rev	Measurement	Group	Signal ID	Name	Description	Units	Scan Rate	In/Out	Alternate Name	Name	Description	Units	Scan Rate	In/Out	Alternate Name
Calculated															
15	Audio Alarm			ABBA_Mamma_SW		-	0	I	Mamma Mia						Equation
15	Audio Alarm			ABBA_Winner_SW		-	0	I	The Winner Takes It All						Persistency
15	Audio Alarm			ABBA_Gimme_SW		-	0	I	Gimmel Gimmel Gimmel						
15	Audio Alarm			ABBA_Dancing_SW		-	0	I	Dancing Queen						
15	Audio Alarm			ABBA_Waterloo_SW		-	0	I	Waterloo						
15	Audio Alarm			ABBA_Mamma		-	1	I	Mamma Mia						
15	Audio Alarm			ABBA_Winner		-	1	I	The Winner Takes It All						
15	Audio Alarm			ABBA_Gimme		-	1	I	Gimmel Gimmel Gimmel						
15	Audio Alarm			ABBA_Dancing		-	1	I	Dancing Queen						
15	Audio Alarm			ABBA_Waterloo		-	1	I	Waterloo						
15	proDAS			Flip_100Hz	Pulse 100Hz	-	100	I							
15	proDAS			Flip_10Hz	Pulse 10Hz	-	10	I							
15	proDAS			Flip_1Hz	Pulse 1Hz	-	1	I							
15	proDAS			Flip_200Hz	Pulse 200Hz	-	200	I							
15	proDAS			Flip_20Hz	Pulse 20Hz	-	20	I							
15	proDAS			Flip_2Hz	Pulse 2Hz	-	2	I							
15	proDAS			Flip_33Hz	Pulse 33Hz	-	33	I							
15	proDAS			Flip_40Hz	Pulse 40Hz	-	40	I							
15	proDAS			Flip_50Hz	Pulse 50Hz	-	50	I							
15	proDAS			Flip_5Hz	Pulse 5Hz	-	5	I							
15	proDAS			Flip_66Hz	Pulse 66Hz	-	66	I							
15	proDAS			Flip_80Hz	Pulse 80Hz	-	80	I							
15	proDAS			Trip_To_Idle_SW	Throttle trip output - RTD page	-	0	I	Idle						
15	proDAS			Trip_To_Cutoff_SW	Throttle trip output - RTD page	-	0	I	CutOff						
15	proDAS			TEST_PART_NUMBER	TIP - TESTPNO (REC file header)	-	0	I	TESTPNO						
15	proDAS			TEST_NUMBER	TIP - TESTNO (REC file header)	-	0	I	TESTNO						
15	proDAS			ENGINE_BUILD_NUMBER	TIP	-	0	I							
15	proDAS			ENGINE_BUILD_LETTER	TIP - MPKT TO BE CHECKED	-	0	I							
15	proDAS			ENGINE_NO	TIP - ENGINENO (REC file header)	-	0	I	ENGINENO						
15	proDAS			TEST_CELL_NUMBER	TIP - TESTCELLNO (REC file header) - 1-	-	0	I	TESTCELLNO						
15	proDAS			PROJECT_NUMBER	TIP - PROJECTNO (REC file header) - Tri	-	0	I	PROJECTNO						
15	proDAS			MFC_NUMBER	TIP	-	0	I							
15	proDAS			ABC_NUMBER	TIP	-	0	I							
15	proDAS			FADEC_EDITION_NUMBER	TIP	-	0	I							
15	proDAS			FADEC_NUMBER	TIP - MPKT TO BE CHECKED	-	0	I							
15	proDAS			HPT	TIP	in^2	0	I							
15	proDAS			LPT	TIP	in^2	0	I							
15	proDAS			FUEL_DENSITY	TIP	kg/m^3	0	I							
15	proDAS			LHV	TIP	kJ/kg	0	I							
15	proDAS			ATS_NUMBER	TIP - Air Turbine Starter	-	0	I							
15	proDAS			PTO_NUMBER	TIP - Power Take Off shaft	-	0	I							
15	proDAS			ENGINE_ADAPTER	TIP	-	0	I							
15	proDAS			Recording_Number	Recording (ATP) Number - READINGNO	-	1	I	READINGNO						
15	proDAS			ReadingNo	Recording (ATP) Number - READINGNO	-	0	I	READINGNO						
15	proDAS			K_REC_15min_Enable_SW	Automatic 15-minutes K-REC	-	0	I	15min K-REC Loop						
15	proDAS			K_REC_15min_Enable	Automatic 15-minutes K-REC	-	1	I	15min K-REC Loop						
15	proDAS			t_K_REC_15min	Automatic 15-minutes K-REC	s	1	I	900s Timer						
15	proDAS			K_REC_15min_Flag	Automatic 15-minutes K-REC	-	1	I							
15	proDAS			REC_Enable	REC mode flag - RTE .config	-	1	I	REC Mode						
15	proDAS			REC_Enable_SW	REC mode switch	-	0	I	REC Mode						
15	proDAS			T_REC_SW	T-REC switch	-	0	I	T-REC						
15	proDAS			T_REC_Flag	Start Log	-	1	I	T-REC						
15	proDAS			S_REC_SW	S-REC switch	-	0	I	S-REC						
15	proDAS			S_REC_Flag	Start Fullset	-	200	I	S-REC						
15	proDAS			K_REC_SW	K-REC switch	-	0	I	K-REC						
15	proDAS			K_REC_Flag	Start K-REC	-	200	I	K-REC						
15	proDAS			Buzzer_Enable_SW	Enable/Disable buzzer switch	-	0	I	Buzzer Main DIO						
15	proDAS			Buzzer	Buzzer switch (hardcoded)	-	0	I	Buzzer DIO						
15	proDAS			Buzzer_Audio	Buzzer audio file	-	200	I							
15	proDAS			Buzzer_Audio_Enable_SW	Enable buzzer audio file switch	-	0	I	Buzzer Audio File						
15	proDAS			Buzzer_Audio_Enable	Enable buzzer audio file flag	-	1	I	Buzzer Audio File						
15	proDAS			CH_ACK_ALL	Acknowledge all alarms - RTE .config	-	0	I	Acknowledge All						
15	proDAS			CH_ACK_ONE	Acknowledge last alarm - RTE .config	-	0	I	Acknowledge Last						
15	proDAS			ConfigDate	Dry Run ATP 20171026 JOA	-	1	I	Config						
15	proDAS			ConfigMCLrev	ATP run	-	1	I	Config						
15	proDAS			CL_Enable_SW	Start/Stop continuous log	-	0	I	CRD						
15	proDAS			CL_Enable	Start/Stop continuous log - RTE .config	-	1	I	CRD						
15	proDAS			Alarm_Enable	Alarm flag - RTE .config	-	1	I	Alarm						
15	proDAS			t_Alarm_Enable	Alarm flag	-	1	I	Timer Enable Alarm						
15	proDAS			Alarm_Enable_SW	Alarms switch	-	0	I	Alarm						
15	proDAS			FullsetStatus	Status of Fullset recording	-	0	I							
15	proDAS			Purge_Enable	Enable PBS purge	-	200	I	Purge						
15	proDAS			Purge_Enable_SW	Enable PBS purge switch	-	0	I	Force Purge Enable						
15	proDAS			das_DaDays	Number of days since 30.12.1899	-	200	I							
15	proDAS			das_DaTime	Time of the day as part of the day	-	200	I							
15	proDAS			das_Day	Day, internal channel	d	200	I	Day						
15	proDAS			das_Hour	Hour, internal channel	h	200	I	Hour						
15	proDAS			das_Min	Minute, internal channel	min	200	I	Min						
15	proDAS			das_Month	Month, internal channel	month	200	I	Month						

15	proDAS	das_Msec	Millisecond, internal channel	ms	200	I	MilliSec
15	proDAS	das_RTECPU	CPU loading caused by the RTE	%	200	I	RTE CPU
15	proDAS	das_Sec	Second, internal channel	s	200	I	Sec
15	proDAS	das_Time	Number of time cycles since the RTE star	-	200	I	Time
15	proDAS	das_Year	Year, internal channel	y	200	I	Year
15	proDAS	t_Volatile	Calculated Expression Example	h.min	1	I	Timer Volatile
15	proDAS	t_Volatile_	Calculated Expression Example	s	1	I	Timer Volatile
15	proDAS	t_Test	Calculated Expression Example	h.min	1	I	Timer Test
15	proDAS	t_Test_	Calculated Expression Example	s	1	I	Timer Test
15	proDAS	t_Global	Calculated Expression Example	h.min	1	I	Timer Global
15	proDAS	t_Global_	Calculated Expression Example	s	1	I	Timer Global
15	proDAS	ENGINE_BUILD_LETTER_	TIP - TO BE TESTED JOA 201802023	-	1	I	
15	Vibration	MkII_Cmd_Manual_Out	MkII command 1,2,3,4,5,6,7,8,9	-	0	I	Cmd MBBM EA
15	Vibration	MkII_Cmd_ManualMode_SW	Manual input command MBBM EA Switc	-	1	I	
15	Vibration	MkIIserv_Cmd_Manual_Out	MkII command 1,2,3,4,5,6,7,8,9	-	0	I	Cmd MBBM EA
15	Vibration	MkIIserv_Cmd_ManualMode_SW	Manual input command MBBM server Sw	-	1	I	
15	Vibration	MkII_Cmd_Idle	MkII command 0 button - Neutral position	-	0	I	Cmd_Idle
15	Vibration	MkII_Cmd_StartScan	MkII command 1 button	-	0	I	Cmd_StartScan
15	Vibration	MkII_Cmd_StartScan_Flag	MkII command 1 button	-	200	I	
15	Vibration	MkII_Cmd_StartScan_SW	MkII command 1 button	-	0	I	
15	Vibration	MkII_Cmd_StartScan_Timer	MkII command 1 button	-	1	I	
15	Vibration	MkII_Cmd_StopScan	MkII command 2 button	-	0	I	Cmd_StopScan
15	Vibration	MkII_Cmd_StopScan_Flag	MkII command 2 button	-	200	I	
15	Vibration	MkII_Cmd_StopScan_SW	MkII command 2 button	-	0	I	
15	Vibration	MkII_Cmd_StopScan_Timer	MkII command 2 button	-	1	I	
15	Vibration	MkII_Cmd_RestartMkII	MkII command 3 button	-	0	I	Cmd_RestartMkII
15	Vibration	MkII_Cmd_RestartMkII_Flag	MkII command 3 button	-	200	I	
15	Vibration	MkII_Cmd_RestartMkII_SW	MkII command 3 button	-	0	I	
15	Vibration	MkII_Cmd_RestartMkII_Timer	MkII command 3 button	-	1	I	
15	Vibration	MkII_Cmd_StartRecording	MkII command 4 button	-	0	I	Cmd_StartRecording
15	Vibration	MkII_Cmd_StartRecording_Flag	MkII command 4 button	-	200	I	
15	Vibration	MkII_Cmd_StartRecording_SW	MkII command 4 button	-	0	I	
15	Vibration	MkII_Cmd_StartRecording_Time	MkII command 4 button	-	1	I	
15	Vibration	MkII_Cmd_StopRecording	MkII command 5 button	-	0	I	Cmd_StopRecording
15	Vibration	MkII_Cmd_StopRecording_Flag	MkII command 5 button	-	200	I	
15	Vibration	MkII_Cmd_StopRecording_SW	MkII command 5 button	-	0	I	
15	Vibration	MkII_Cmd_StopRecording_Time	MkII command 5 button	-	1	I	
15	Vibration	MkII_Cmd_DisablePreRun	MkII command 6 button	-	0	I	Cmd_DisablePreRun
15	Vibration	MkII_Cmd_DisablePreRun_Flag	MkII command 6 button	-	200	I	
15	Vibration	MkII_Cmd_DisablePreRun_SW	MkII command 6 button	-	0	I	
15	Vibration	MkII_Cmd_DisablePreRun_Time	MkII command 6 button	-	1	I	
15	Vibration	MkII_Cmd_EnablePreRun	MkII command 7 button	-	0	I	Cmd_EnablePreRun
15	Vibration	MkII_Cmd_EnablePreRun_Flag	MkII command 7 button	-	200	I	
15	Vibration	MkII_Cmd_EnablePreRun_SW	MkII command 7 button	-	0	I	
15	Vibration	MkII_Cmd_EnablePreRun_Time	MkII command 7 button	-	1	I	
15	Vibration	MkII_Cmd_AutoZero	MkII command 8 button	-	0	I	Cmd_AutoZero
15	Vibration	MkII_Cmd_AutoZero_Flag	MkII command 8 button	-	200	I	
15	Vibration	MkII_Cmd_AutoZero_SW	MkII command 8 button	-	0	I	
15	Vibration	MkII_Cmd_AutoZero_Timer	MkII command 8 button	-	1	I	
15	Vibration	MkII_Cmd_BridgeBalancing	MkII command 9 button	-	0	I	Cmd_BridgeBalancing
15	Vibration	MkII_Cmd_BridgeBalancing_Fla	MkII command 9 button	-	200	I	
15	Vibration	MkII_Cmd_BridgeBalancing_SW	MkII command 9 button	-	0	I	
15	Vibration	MkII_Cmd_BridgeBalancing_Tim	MkII command 9 button	-	1	I	
15	Vibration	MkII_Cmd_Selector	See enumeration for reference	-	10	I	Command to MBBM EA
15	Vibration	MkII_Cmd_StartScan_Cond	MkII command 1 light	-	100	I	Cmd_StartScan
15	Vibration	MkII_Cmd_StopScan_Cond	MkII command 2 light	-	100	I	Cmd_StopScan
15	Vibration	MkII_Cmd_RestartMkII_Cond	MkII command 3 light	-	100	I	Cmd_RestartMkII
15	Vibration	MkII_Cmd_StartRecording_Con	MkII command 4 light	-	100	I	Cmd_StartRecording
15	Vibration	MkII_Cmd_StopRecording_Con	MkII command 5 light	-	100	I	Cmd_StopRecording
15	Vibration	MkII_Cmd_DisablePreRun_Con	MkII command 6 light	-	100	I	Cmd_DisablePreRun
15	Vibration	MkII_Cmd_EnablePreRun_Con	MkII command 7 light	-	100	I	Cmd_EnablePreRun
15	Vibration	MkII_Cmd_AutoZero_Cond	MkII command 8 light	-	100	I	Cmd_AutoZero
15	Vibration	MkII_Cmd_BridgeBalancing_Co	MkII command 9 light	-	100	I	Cmd_BridgeBalancing
15	Vibration	MkII_Cmd_Status	MkII command status	-	100	I	Feedback from MBBM EA
15	Vibration	MkII_Status	MkII status	-	100	I	Status MBBM EA
15	Vibration	MkII_HB_Qual	Heatbeat info alarm - 3 seconds	-	200	I	ModBus Connection
15	Vibration	MkII_HB_Alarm_1	Heatbeat info alarm - 3 seconds	-	1	I	HB_Alarm_1
15	Vibration	MkII_HB_Alarm_0	Heatbeat info alarm - 3 seconds	-	1	I	HB_Alarm_0
15	Vibration	MkII_HB_Alarm	Heatbeat info alarm - 3 seconds	-	200	I	Heartbeat Alarm
15	Vibration	MkIIserv_Cmd_Idle	MkII command 0 button - Neutral position	-	0	I	Cmd_Idle
15	Vibration	MkIIserv_Cmd_StartScan	MkII command 1 button	-	0	I	Cmd_StartScan
15	Vibration	MkIIserv_Cmd_StartScan_Flag	MkII command 1 button	-	200	I	
15	Vibration	MkIIserv_Cmd_StartScan_SW	MkII command 1 button	-	0	I	
15	Vibration	MkIIserv_Cmd_StartScan_Time	MkII command 1 button	-	1	I	
15	Vibration	MkIIserv_Cmd_StopScan	MkII command 2 button	-	0	I	Cmd_StopScan
15	Vibration	MkIIserv_Cmd_StopScan_Flag	MkII command 2 button	-	200	I	
15	Vibration	MkIIserv_Cmd_StopScan_SW	MkII command 2 button	-	0	I	
15	Vibration	MkIIserv_Cmd_StopScan_Timer	MkII command 2 button	-	1	I	
15	Vibration	MkIIserv_Cmd_RestartMkII	MkII command 3 button	-	0	I	Cmd_RestartMkII
15	Vibration	MkIIserv_Cmd_RestartMkII_Flag	MkII command 3 button	-	200	I	
15	Vibration	MkIIserv_Cmd_RestartMkII_SW	MkII command 3 button	-	0	I	
15	Vibration	MkIIserv_Cmd_RestartMkII_Tim	MkII command 3 button	-	1	I	

Millisecond	Volatile
RTE_LOAD	Volatile
Second	Volatile
Time	Volatile
Year	Volatile
floor(t_Volatile_/3600)+((t_Volatile_-floor(t_Volatile_/3600))*	Volatile
t_Volatile_+1	Volatile
floor(t_Test_/3600)+((t_Test_-floor(t_Test_/3600))*3600)/60	Volatile
t_Test_+1	Test
floor(t_Global_/3600)+((t_Global_-floor(t_Global_/3600))*36	Volatile
t_Global_+1	Global
ENGINE_BUILD_LETTER	Volatile
0	Volatile
0.0	Volatile
0	Volatile
0.0	Volatile
0.0	Volatile
0.0	Volatile
MkII_Cmd_StartScan	Volatile
0.0	Volatile
mux(0,MkII_Cmd_StartScan_Timer+1,MkII_Cmd_StartScar	Volatile
0.0	Volatile
MkII_Cmd_StopScan	Volatile
0.0	Volatile
mux(0,MkII_Cmd_StopScan_Timer+1,MkII_Cmd_StopScar	Volatile
0.0	Volatile
MkII_Cmd_RestartMkII	Volatile
0.0	Volatile
mux(0,MkII_Cmd_RestartMkII_Timer+1,MkII_Cmd_Restart	Volatile
0.0	Volatile
MkII_Cmd_StartRecording	Volatile
0.0	Volatile
mux(0,MkII_Cmd_StartRecording_Timer+1,MkII_Cmd_Star	Volatile
0.0	Volatile
MkII_Cmd_StopRecording	Volatile
0.0	Volatile
mux(0,MkII_Cmd_StopRecording_Timer+1,MkII_Cmd_Stoq	Volatile
0.0	Volatile
MkII_Cmd_DisablePreRun	Volatile
0.0	Volatile
mux(0,MkII_Cmd_DisablePreRun_Timer+1,MkII_Cmd_Dis	Volatile
0.0	Volatile
MkII_Cmd_EnablePreRun	Volatile
0.0	Volatile
mux(0,MkII_Cmd_EnablePreRun_Timer+1,MkII_Cmd_Ena	Volatile
0.0	Volatile
MkII_Cmd_AutoZero	Volatile
0.0	Volatile
mux(0,MkII_Cmd_AutoZero_Timer+1,MkII_Cmd_AutoZero,	Volatile
0.0	Volatile
MkII_Cmd_BridgeBalancing	Volatile
0.0	Volatile
mux(0,MkII_Cmd_BridgeBalancing_Timer+1,MkII_Cmd_Br	Volatile
mux(mux(mux(mux(mux(mux(mux(mux(mux(MkII	Volatile
mux(0,1,MkII_Status_In==0)	Volatile
mux(0,1,MkII_Status_In==1) MkII_Status_In==2) MkII_Stati	Volatile
1	Volatile
mux(0,1,MkII_Status_In==1) MkII_Status_In==2)	Volatile
mux(0,1,MkII_Status_In==3)	Volatile
mux(0,1,MkII_Status_In==2)	Volatile
mux(0,1,MkII_Status_In==1)	Volatile
mux(0,1,MkII_Status_In==1)	Volatile
mux(0,1,MkII_Status_In==1)	Volatile
MkII_Cmd_In	Volatile
mux(mux(MkII_Status_In,5,MkII_Status_In==100),4,MkII_S	Volatile
qual(MkII_HB)	Volatile
mux(mux(0,MkII_HB_Alarm_1+1,MkII_HB==1),0,MkII_HB_	Volatile
mux(mux(0,MkII_HB_Alarm_0+1,MkII_HB==0),0,MkII_HB_	Volatile
mux(0,1,MkII_HB_Alarm_1>3) MkII_HB_Alarm_0>3) MkII_I	Volatile
0.0	Volatile
0.0	Volatile
MkIIserv_Cmd_StartScan	Volatile
0.0	Volatile
mux(0,MkIIserv_Cmd_StartScan_Timer+1,MkIIserv_Cmd_	Volatile
0.0	Volatile
MkIIserv_Cmd_StopScan	Volatile
0.0	Volatile
mux(0,MkIIserv_Cmd_StopScan_Timer+1,MkIIserv_Cmd_	Volatile
0.0	Volatile
MkIIserv_Cmd_RestartMkII	Volatile
0.0	Volatile
mux(0,MkIIserv_Cmd_RestartMkII_Timer+1,MkIIserv_Cmd	Volatile

15	Vibration	MkIIServ_Cmd_StartRecording	MkII command 4 button	-	0	I	Cmd_StartRecording
15	Vibration	MkIIServ_Cmd_StartRecording	MkII command 4 button	-	200	I	
15	Vibration	MkIIServ_Cmd_StartRecording	MkII command 4 button	-	0	I	
15	Vibration	MkIIServ_Cmd_StartRecording	MkII command 4 button	-	1	I	
15	Vibration	MkIIServ_Cmd_StopRecording	MkII command 5 button	-	0	I	Cmd_StopRecording
15	Vibration	MkIIServ_Cmd_StopRecording	MkII command 5 button	-	200	I	
15	Vibration	MkIIServ_Cmd_StopRecording	MkII command 5 button	-	0	I	
15	Vibration	MkIIServ_Cmd_StopRecording	MkII command 5 button	-	1	I	
15	Vibration	MkIIServ_Cmd_DisablePreRun	MkII command 6 button	-	0	I	Cmd_DisablePreRun
15	Vibration	MkIIServ_Cmd_DisablePreRun	MkII command 6 button	-	200	I	
15	Vibration	MkIIServ_Cmd_DisablePreRun	MkII command 6 button	-	0	I	
15	Vibration	MkIIServ_Cmd_DisablePreRun	MkII command 6 button	-	1	I	
15	Vibration	MkIIServ_Cmd_EnablePreRun	MkII command 7 button	-	0	I	Cmd_EnablePreRun
15	Vibration	MkIIServ_Cmd_EnablePreRun	MkII command 7 button	-	200	I	
15	Vibration	MkIIServ_Cmd_EnablePreRun	MkII command 7 button	-	0	I	
15	Vibration	MkIIServ_Cmd_EnablePreRun	MkII command 7 button	-	1	I	
15	Vibration	MkIIServ_Cmd_AutoZero	MkII command 8 button	-	0	I	Cmd_AutoZero
15	Vibration	MkIIServ_Cmd_AutoZero_Flag	MkII command 8 button	-	200	I	
15	Vibration	MkIIServ_Cmd_AutoZero_SW	MkII command 8 button	-	0	I	
15	Vibration	MkIIServ_Cmd_AutoZero_Timer	MkII command 8 button	-	1	I	
15	Vibration	MkIIServ_Cmd_BridgeBalancing	MkII command 9 button	-	0	I	Cmd_BridgeBalancing
15	Vibration	MkIIServ_Cmd_BridgeBalancing	MkII command 9 button	-	200	I	
15	Vibration	MkIIServ_Cmd_BridgeBalancing	MkII command 9 button	-	0	I	
15	Vibration	MkIIServ_Cmd_BridgeBalancing	MkII command 9 button	-	1	I	
15	Vibration	MkIIServ_Cmd_Selector	See enumeration for reference	-	10	I	Command to MBBM server
15	Vibration	MkIIServ_Cmd_StartScan_Cond	MkII command 1 light	-	100	I	Cmd_StartScan
15	Vibration	MkIIServ_Cmd_StopScan_Cond	MkII command 2 light	-	100	I	Cmd_StopScan
15	Vibration	MkIIServ_Cmd_RestartMkII	MkII command 3 light	-	100	I	Cmd_RestartMkII
15	Vibration	MkIIServ_Cmd_StartRecording	MkII command 4 light	-	100	I	Cmd_StartRecording
15	Vibration	MkIIServ_Cmd_StopRecording	MkII command 5 light	-	100	I	Cmd_StopRecording
15	Vibration	MkIIServ_Cmd_DisablePreRun	MkII command 6 light	-	100	I	Cmd_DisablePreRun
15	Vibration	MkIIServ_Cmd_EnablePreRun	MkII command 7 light	-	100	I	Cmd_EnablePreRun
15	Vibration	MkIIServ_Cmd_AutoZero_Cond	MkII command 8 light	-	100	I	Cmd_AutoZero
15	Vibration	MkIIServ_Cmd_BridgeBalancing	MkII command 9 light	-	100	I	Cmd_BridgeBalancing
15	Vibration	MkIIServ_Cmd_Status	MkII command status	-	100	I	Feedback from MBBM server
15	Vibration	MkIIServ_Status	MkII status	-	100	I	Status MBBM server
15	Vibration	MkIIServ_HB_Qual	Heatbeat info alarm - 3 seconds	-	200	I	ModBus Connection
15	Vibration	MkIIServ_HB_Alarm_1	Heatbeat info alarm - 3 seconds	-	1	I	HB_Alarm_1
15	Vibration	MkIIServ_HB_Alarm_0	Heatbeat info alarm - 3 seconds	-	1	I	HB_Alarm_0
15	Vibration	MkIIServ_HB_Alarm	Heatbeat info alarm - 3 seconds	-	200	I	Heartbeat Alarm
15	Vibration	MkII_AutostartScan	Auto start	-	200	I	
15	Vibration	t_MkII_AutostartScan_timer	Auto start	-	1	I	
15	Vibration	MkII_AutostartScan_timer	Auto start	-	0	I	
15	Vibration	MkIIServ_AutostartScan	Auto start	-	200	I	
15	Vibration	MkII_Cmd_StartKD_REC	MkII command KD-REC	-	0	I	Cmd_StartRecording
15	Vibration	MkII_Cmd_StartKD_REC_Flag	MkII command KD-REC	-	200	I	
15	Vibration	MkII_Cmd_StartKD_REC_SW	MkII command KD-REC	-	0	I	
15	Vibration	MkII_Cmd_StartKD_REC_Timer	MkII command KD-REC	-	1	I	
15	Vibration	MkII_Cmd_KD_REC_Cond	MkII command KD-REC	-	1	I	15min K-REC Loop
15	Vibration	t_MkII_Cmd_K_REC_15min	MkII command KD-REC	s	1	I	900s Timer
15	Vibration	MkII_Cmd_KD_REC_Flag	MkII command KD-REC	-	1	I	
15	Vibration	MkII_Cmd_StopKD_REC	MkII command KD-REC	-	0	I	Cmd_StopRecording
15	Vibration	MkII_Cmd_StopKD_REC_Flag	MkII command KD-REC	-	200	I	
15	Vibration	MkII_Cmd_StopKD_REC_SW	MkII command KD-REC	-	0	I	
15	Vibration	MkII_Cmd_StopKD_REC_Timer	MkII command KD-REC	-	1	I	
15	Engine Controle Page	EmPLA_Cmd	UPDATED JOA 20180326 - Value used in	deg	200	I	
15	Engine Controle Page	EmPLA_Cmd_Index_raw		deg	200	I	
15	Engine Controle Page	EmPLA_Cmd_Index		deg	200	I	
15	Engine Controle Page	EmPLA_Cmd_NextIndex		deg	200	I	
15	Engine Controle Page	EmPLA_FloorValue		deg	200	I	
15	Engine Controle Page	EmPLA_CeilingValue		deg	200	I	
15	Engine Controle Page	EmPLA_FloorDelta		deg	200	I	
15	Engine Controle Page	EmPLA_CeilingDelta		deg	200	I	
15	Engine Controle Page	EmPLA_DeltaIndex		deg	200	I	
15	Engine Controle Page	EmPLA_Bit16		-	200	I	
15	Engine Controle Page	EmPLA_Bit8		-	200	I	
15	Engine Controle Page	EmPLA_Bit4		-	200	I	
15	Engine Controle Page	EmPLA_Bit2		-	200	I	
15	Engine Controle Page	EmPLA_Bit1		-	200	I	
15	Engine Controle Page	EmPLA_Remainder16		-	200	I	
15	Engine Controle Page	EmPLA_Remainder8		-	200	I	
15	Engine Controle Page	EmPLA_Remainder4		-	200	I	
15	Engine Controle Page	EmPLA_Remainder2		-	200	I	
15	Engine Controle Page	EmPLA_Remainder1		-	200	I	
15	Engine Controle Page	EmPLA_Cmd_Adjusted	Adjusted EmPLA to account for offset in	deg	200	I	
15	Engine Controle Page	EmPLA_Cmd_Offset	UPDATED JOA LM 20180326	deg	200	I	
15		EMPLA_NEEDED_ref	Emergency PLA Needed_ref	-	10	I	
15	Engine Controle Page	EMPLA_Step	Inc and Dec step size for EMPLA	deg	0	I	
15	Engine Controle Page	EMPLA_SET		deg	10	I	
15	Engine Controle Page	EMPLA_min	EMPLA output set to 20 deg	deg	10	I	
15	Engine Controle Page	EMPLA_max		deg	10	I	
15		EMPLA_NEEDED_SW	Emergency PLA Needed_Switch	-	0	I	

0.0	Volatile
MkIIServ_Cmd_StartRecording	Volatile
0.0	Volatile
mux(0,MkIIServ_Cmd_StartRecording_Timer+1,MkIIServ_C	Volatile
0.0	Volatile
MkIIServ_Cmd_StopRecording	Volatile
0.0	Volatile
mux(0,MkIIServ_Cmd_StopRecording_Timer+1,MkIIServ_C	Volatile
0.0	Volatile
MkIIServ_Cmd_DisablePreRun	Volatile
0.0	Volatile
mux(0,MkIIServ_Cmd_DisablePreRun_Timer+1,MkIIServ_C	Volatile
0.0	Volatile
MkIIServ_Cmd_EnablePreRun	Volatile
0.0	Volatile
mux(0,MkIIServ_Cmd_EnablePreRun_Timer+1,MkIIServ_C	Volatile
0.0	Volatile
MkIIServ_Cmd_AutoZero	Volatile
0.0	Volatile
mux(0,MkIIServ_Cmd_AutoZero_Timer+1,MkIIServ_Cmd_	Volatile
0.0	Volatile
MkIIServ_Cmd_BridgeBalancing	Volatile
0.0	Volatile
mux(0,MkIIServ_Cmd_BridgeBalancing_Timer+1,MkIIServ_	Volatile
mux(mux(mux(mux(mux(mux(mux(mux(mux(MkI	Volatile
mux(0,1,MkIIServ_Status_In==0&&(MkII_Status_In==1) Mk	Volatile
mux(0,1,MkIIServ_Status_In==1) MkIIServ_Status_In==2) M	Volatile
1	Volatile
mux(0,1,MkIIServ_Status_In==1) MkIIServ_Status_In==2)	Volatile
mux(0,1,MkIIServ_Status_In==3)	Volatile
1	Volatile
1	Volatile
1	Volatile
1	Volatile
MkIIServ_Cmd_In	Volatile
mux(mux(MkIIServ_Status_In,5,MkIIServ_Status_In==100),	Volatile
qual(MkIIServ_HB)	Volatile
mux(mux(0,MkIIServ_HB_Alarm_1+1,MkIIServ_HB==1),0,N	Volatile
mux(mux(0,MkIIServ_HB_Alarm_0+1,MkIIServ_HB==0),0,N	Volatile
mux(0,1,MkIIServ_HB_Alarm_1>3) MkIIServ_HB_Alarm_0>	Volatile
mux(0,1,t_MkII_AutostartScan_timer>(MkII_AutostartScan_	Volatile
mux(t_MkII_AutostartScan_timer,t_MkII_AutostartScan_tim	Volatile
60	Volatile
mux(0,1,F_valve_open_delayed)	Volatile
0.0	Volatile
MkII_Cmd_StartKD_REC	Volatile
0.0	Volatile
mux(0,MkII_Cmd_StartRecording_Timer+1,MkII_Cmd_Star	Volatile
mux(0,1,K_REC_15min_Enable_SW) F_valve_open_delay	Volatile
mux(0,mux(1,t_K_REC_15min+1,t_K_REC_15min<900),K_	Volatile
mux(1,0,t_K_REC_15min<900)	Volatile
0.0	Volatile
MkII_Cmd_StopRecording	Volatile
0.0	Volatile
mux(0,MkII_Cmd_StopRecording_Timer+1,MkII_Cmd_Sto	Volatile
mux(mux(EMPLA_SET,132,EMPLA_SET>132),20,EMPLA_	Volatile
lookup2d(EMPLA_TC25,X,EMPLA_Cmd_Adjusted)	Volatile
floor(EMPLA_Cmd_Index_raw)	Volatile
EmPLA_Cmd_Index+1	Volatile
lookup2d(EMPLA_TC25,Y,EMPLA_Cmd_Index)	Volatile
lookup2d(EMPLA_TC25,Y,EMPLA_Cmd_NextIndex)	Volatile
abs(EMPLA_Cmd-EMPLA_FloorValue)	Volatile
abs(EMPLA_Cmd-EMPLA_CeilingValue)	Volatile
mux(EMPLA_Cmd_NextIndex,EMPLA_Cmd_Index,EMPLA	Volatile
mux(0,1,EmPLA_DeltaIndex-16>=0)	Volatile
mux(0,1,EmPLA_Remainder16-8>=0)	Volatile
mux(0,1,EmPLA_Remainder8-4>=0)	Volatile
mux(0,1,EmPLA_Remainder4-2>=0)	Volatile
mux(0,1,EmPLA_Remainder2-1>=0)	Volatile
mux(EMPLA_DeltaIndex,EMPLA_DeltaIndex-16,EMPLA_D	Volatile
mux(EMPLA_Remainder16,EMPLA_Remainder16-8,EmPL	Volatile
mux(EMPLA_Remainder8,EMPLA_Remainder8-4,EMPLA_	Volatile
mux(EMPLA_Remainder4,EMPLA_Remainder4-2,EMPLA_	Volatile
mux(EMPLA_Remainder2,EMPLA_Remainder2-1,EMPLA_	Volatile
EMPLA_Cmd+EMPLA_Cmd_Offset	Volatile
0	Volatile
EMPLA_NEEDED_SW	Volatile
5	Volatile
mux(103, mux(mux(EMPLA_SET+(EMPLA_Up*EMPLA_St	Volatile
0.0	Volatile
0.0	Volatile
0.0	Volatile

	Engine Controlle Page	EMPLA_Pos	-	2	I																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												</
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15	proDAS	Math_Lookup3D	Calculated expression example	-	1	I	BPT 3D	lookup3d(Curve6.X,Math_Float1,Y,Math_Float2)	Volatile
15	proDAS	Math_LookupXY3D	Calculated expression example	-	1	I	BPT xy3D	lookupxy3d(Curve6.Math_Float1,Math_Float2)	Volatile
15	proDAS	Math_Bitget	Calculated expression example	-	1	I	Bitget	bitget(Second,2,12)	Volatile
15	proDAS	Math_Timer1	Calculated expression example	min.s	1	I	Timer1	floor(Math_Timer1_/60)+(Math_Timer1_-floor(Math_Timer1	Volatile
15	proDAS	Math_Timer1_	Calculated expression example	s	1	I	Timer1_	mux(0,Math_Timer1_+1,Math_Boot1)	Volatile
15	proDAS	Math_Timer2	Calculated expression example	min.s	1	I	Timer2	floor(Math_Timer2_/60)+(Math_Timer2_-floor(Math_Timer2	Volatile
15	proDAS	Math_Timer2_	Calculated expression example	s	1	I	Timer2_	mux(0,Math_Timer2_+1,Math_Boot2)	Volatile
15	proDAS	Math_Acos_Float1	Calculated expression example	-	1	I	Acos(Float1)	acos(Math_Float1)	Volatile
15	proDAS	Math_Asin_Float1	Calculated expression example	-	1	I	Asin(Float1)	asin(Math_Float1)	Volatile
15	proDAS	Math_Atan_Float1	Calculated expression example	-	1	I	Atan(Float1)	atan(Math_Float1)	Volatile
15	proDAS	Math_Atan2_Float1_2	Calculated expression example	-	1	I	Atan2(Float1_2)	atan2(Math_Float1,Math_Float2)	Volatile
15	proDAS	Math_Cos_Counter	Calculated expression example	-	1	I	Cos(Counter)	Math_Counter_VerticalShift+(Math_Counter_Amplitude*cos	Volatile
15	proDAS	Math_Cos_Counter_100Hz	Calculated expression example	-	100	I	Cos(Counter_100Hz)	Math_Counter_VerticalShift+(Math_Counter_Amplitude*cos	Volatile
15	proDAS	Math_Cos_Counter_10Hz	Calculated expression example	-	10	I	Cos(Counter_10Hz)	Math_Counter_VerticalShift+(Math_Counter_Amplitude*cos	Volatile
15	proDAS	Math_Cos_Float1	Calculated expression example	-	1	I	Cos(Float1)	cos(Math_Float1)	Volatile
15	proDAS	Math_Cosh_Float1	Calculated expression example	-	1	I	Cosh(Float1)	cosh(Math_Float1)	Volatile
15	proDAS	Math_Reverse	Calculated expression example	-	0	I	Reverse	0	Volatile
15	proDAS	Math_Counter_Amplitude	Calculated expression example	-	0	I	Amplitude	1	Volatile
15	proDAS	Math_Counter_Period	Calculated expression example	-	0	I	Period	1	Volatile
15	proDAS	Math_Counter_PhaseShift	Calculated expression example	-	0	I	Phase Shift	0	Volatile
15	proDAS	Math_Counter_VerticalShift	Calculated expression example	-	0	I	Vertical Shift	0	Volatile
15	proDAS	Math_Sin_Counter	Calculated expression example	-	1	I	Sin(Counter)	Math_Counter_VerticalShift+(Math_Counter_Amplitude*sin	Volatile
15	proDAS	Math_Sin_Counter_10Hz	Calculated expression example	-	10	I	Sin(Counter_10Hz)	Math_Counter_VerticalShift+(Math_Counter_Amplitude*sin	Volatile
15	proDAS	Math_Sin_Float1	Calculated expression example	-	1	I	Sin(Float1)	sin(Math_Float1)	Volatile
15	proDAS	Math_Sinh_Float1	Calculated expression example	-	1	I	Sinh(Float1)	sinh(Math_Float1)	Volatile
15	proDAS	Math_Tan_Float1	Calculated expression example	-	1	I	Tan(Float1)	tan(Math_Float1)	Volatile
15	proDAS	Math_Tanh_Float1	Calculated expression example	-	1	I	Tanh(Float1)	tanh(Math_Float1)	Volatile
15	proDAS	SwedishCharacters	Swedish characters example öääÖÄÄ	-	1	I	Swedish Characters öää ÖÄÄ	mux(0,1,Math_Boot1)	Volatile
15	Engine	Message_Rx_1Hz_calc	Node RT1: BC to RT1 (2) SR-1342	count	200	I		Message_Rx_1Hz_slow	Volatile
15	Engine	Message_Rx_10Hz_calc	Node RT1: BC to RT1 (2) SR-1342	count	200	I		Message_Rx_10Hz_slow	Volatile
15	Engine	Message_Rx_200Hz_calc	Node RT1: BC to RT1 (2) SR-1342	count	200	I		Message_Rx_200Hz_slow	Volatile
15	proDAS	SameCalcDiffSampleRate	Same calculation with different scanrates	-	2	I		Math_Counter+Math_Counter_10Hz	Volatile
15	proDAS	aaa	Alphabetical calculation order SR-269	-	200	I		5	Volatile
15	proDAS	bbb	Alphabetical calculation order SR-269	-	200	I		Math_Counter_200Hz	Volatile
15	proDAS	ccc	Alphabetical calculation order SR-269	-	200	I		aaa+bbb	Volatile
15	proDAS	ddd	Alphabetical calculation order SR-269	-	200	I		aaa+ccc	Volatile
15	DCU	Demo_Float_BAD_QUAL	Demo channel for REC files	s	1	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Boot_BAD_QUAL	Demo channel for REC files	-	1	I		Flip_200Hz	Volatile
15	DCU	Demo_Float_NO_MPKT	Demo channel for REC files	s	1	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Boot_NO_MPKT	Demo channel for REC files	-	1	I		Flip_200Hz	Volatile
15	DCU	Demo_Float_WRONG_MPKT	Demo channel for REC files	s	1	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Boot_WRONG_MPKT	Demo channel for REC files	-	1	I		Flip_200Hz	Volatile
15	DCU	Demo_Float000	Demo channel for REC files	s	0	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float001	Demo channel for REC files	s	0	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float002	Demo channel for REC files	s	0	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float003	Demo channel for REC files	s	0	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float004	Demo channel for REC files	s	0	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float005	Demo channel for REC files	s	0	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float006	Demo channel for REC files	s	0	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float007	Demo channel for REC files	s	0	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float008	Demo channel for REC files	s	0	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float009	Demo channel for REC files	s	0	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float010	Demo channel for REC files	s	1	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float011	Demo channel for REC files	s	1	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float012	Demo channel for REC files	s	1	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float013	Demo channel for REC files	s	1	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float014	Demo channel for REC files	s	1	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float015	Demo channel for REC files	s	1	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float016	Demo channel for REC files	s	1	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float017	Demo channel for REC files	s	1	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float018	Demo channel for REC files	s	1	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float019	Demo channel for REC files	s	1	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float020	Demo channel for REC files	s	2	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float021	Demo channel for REC files	s	2	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float022	Demo channel for REC files	s	2	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float023	Demo channel for REC files	s	2	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float024	Demo channel for REC files	s	2	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float025	Demo channel for REC files	s	2	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float026	Demo channel for REC files	s	2	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float027	Demo channel for REC files	s	2	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float028	Demo channel for REC files	s	2	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float029	Demo channel for REC files	s	2	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float030	Demo channel for REC files	s	5	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float031	Demo channel for REC files	s	5	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float032	Demo channel for REC files	s	5	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float033	Demo channel for REC files	s	5	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float034	Demo channel for REC files	s	5	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float035	Demo channel for REC files	s	5	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float036	Demo channel for REC files	s	5	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float037	Demo channel for REC files	s	5	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float038	Demo channel for REC files	s	5	I		Math_Counter_200Hz	Volatile
15	DCU	Demo_Float039	Demo channel for REC files	s	5	I		Math_Counter_200Hz	Volatile

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15	T-REC							T_REC_100Hz_123	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_124	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_125	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_126	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_127	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_128	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_129	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_130	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_131	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_132	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_133	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_134	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_135	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_136	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_137	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_138	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_139	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_140	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_141	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_142	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_143	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_144	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_145	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_146	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_147	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_148	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_149	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
15	T-REC							T_REC_100Hz_150	T-REC demo	-	100	I	Math_Counter_100Hz	Volatile			
DTS3250													Host Name	TC Type	Port	Shield SW	
9,15	Temperature							DTS1130_01	Temperature 16_01	degC	5	I	DTS1130	K	1	CLOSED	
9,15	Temperature							DTS1130_02	Temperature 16_02	degC	5	I	DTS1130	K	2	CLOSED	
9,15	Temperature							DTS1130_03	Temperature 16_03	degC	5	I	DTS1130	K	3	CLOSED	
9,15	Temperature							DTS1130_04	Temperature 16_04	degC	5	I	DTS1130	K	4	CLOSED	
9,15	Temperature							DTS1130_05	Temperature 16_05	degC	5	I	DTS1130	K	5	CLOSED	
9,15	Temperature							DTS1130_06	Temperature 16_06	degC	5	I	DTS1130	K	6	CLOSED	
9,15	Temperature							DTS1130_07	Temperature 16_07	degC	5	I	DTS1130	K	7	CLOSED	
9,15	Temperature							DTS1130_08	Temperature 16_08	degC	5	I	DTS1130	K	8	CLOSED	
9,15	Temperature							DTS1130_09	Temperature 16_09	degC	5	I	DTS1130	K	9	CLOSED	
9,15	Temperature							DTS1130_10	Temperature 16_10	degC	5	I	DTS1130	K	10	CLOSED	
9,15	Temperature							DTS1130_11	Temperature 16_11	degC	5	I	DTS1130	K	11	CLOSED	
9,15	Temperature							DTS1130_12	Temperature 16_12	degC	5	I	DTS1130	K	12	CLOSED	
9,15	Temperature							DTS1130_13	Temperature 16_13	degC	5	I	DTS1130	K	13	CLOSED	
9,15	Temperature							DTS1130_14	Temperature 16_14	degC	5	I	DTS1130	K	14	CLOSED	
9,15	Temperature							DTS1130_15	Temperature 16_15	degC	5	I	DTS1130	K	15	CLOSED	
9,15	Temperature							DTS1130_16	Temperature 16_16	degC	5	I	DTS1130	K	16	CLOSED	
15								DTS2160_01		-	1	I	DTS2160	K	1	CLOSED	
15								DTS2160_02		-	1	I	DTS2160	K	2	CLOSED	
15								DTS2160_03		-	1	I	DTS2160	K	3	CLOSED	
15								DTS2160_04		-	1	I	DTS2160	K	4	CLOSED	
15								DTS2160_05		-	1	I	DTS2160	K	5	CLOSED	
15								DTS2160_06		-	1	I	DTS2160	K	6	CLOSED	
15								DTS2160_07		-	1	I	DTS2160	K	7	CLOSED	
15								DTS2160_08		-	1	I	DTS2160	K	8	CLOSED	
15								DTS2160_09		-	1	I	DTS2160	K	9	CLOSED	
15								DTS2160_10		-	1	I	DTS2160	K	10	CLOSED	
15								DTS2160_11		-	1	I	DTS2160	K	11	CLOSED	
15								DTS2160_12		-	1	I	DTS2160	K	12	CLOSED	
15								DTS2160_13		-	1	I	DTS2160	K	13	CLOSED	
15								DTS2160_14		-	1	I	DTS2160	K	14	CLOSED	
15								DTS2160_15		-	1	I	DTS2160	K	15	CLOSED	
15								DTS2160_16		-	1	I	DTS2160	K	16	CLOSED	
GASSAO													Pinout	Chassis	Slot	Channel #	Signal Type
3,4,9,15	Analogue Output							CM3A6TN01	Analogue Output 16_01	V	200	O	CM3A5TN01	1	3	0	Voltage
3,4,9,15	Analogue Output							CM3A6TN02	Analogue Output 16_02	V	200	O	CM3A5TN02	1	3	1	Voltage
3,4,9,15	Analogue Output							CM3A6TN03	Analogue Output 16_03	V	200	O	CM3A5TN03	1	3	2	Voltage
3,4,9,15	Analogue Output							CM3A6TN04	Analogue Output 16_04	V	200	O	CM3A5TN04	1	3	3	Voltage
3,4,9,15	Analogue Output							CM3A6TN05	Analogue Output 16_05	V	200	O	CM3A5TN05	1	3	4	Voltage
3,4,9,15	Analogue Output							CM3A6TN06	Analogue Output 16_06	V	200	O	CM3A5TN06	1	3	5	Voltage
3,4,9,15	Analogue Output							CM3A6TN07	Analogue Output 16_07	V	200	O	CM3A5TN07	1	3	6	Voltage
3,4,9,15	Analogue Output							CM3A6TN08	Analogue Output 16_08	V	200	O	CM3A5TN08	1	3	7	Voltage
3,4,9,15	Analogue Output							CM3A6TN09	Analogue Output 16_09	V	200	O	CM3A5TN09	1	3	8	Voltage
3,4,9,15	Analogue Output							CM3A6TN10	Analogue Output 16_10	V	200	O	CM3A5TN10	1	3	9	Voltage
3,4,9,15	Analogue Output							CM3A6TN11	Analogue Output 16_11	V	200	O	CM3A5TN11	1	3	10	Voltage
3,4,9,15	Analogue Output							CM3A6TN12	Analogue Output 16_12	V	200	O	CM3A5TN12	1	3	11	Voltage
3,4,9,15	Analogue Output							CM3A6TN13	Analogue Output 16_13	V	200	O	CM3A5TN13	1	3	12	Voltage
3,4,9,15	Analogue Output							CM3A6TN14	Analogue Output 16_14	V	200	O	CM3A5TN14	1	3	13	Voltage
3,4,9,15	Analogue Output							CM3A6TN15	Analogue Output 16_15	V	200	O	CM3A5TN15	1	3	14	Voltage
3,4,9,15	Analogue Output							CM3A6TN16	Analogue Output 16_16	V	200	O	CM3A5TN16	1	3	15	Voltage
GASSDIO													Pinout	Chassis	Slot	Channel #	Polarity
3,4,8,9,15	proDAS	PBS_SupplyPress_Flag	PBS supply pressure flag	200	I	Supply Pressure							CM2A2IP00	1	4	0	N
3,4,8,9,15	proDAS	PBS_PurgePress_Flag	PBS purge pressure flag	200	I	Purge Pressure							CM2A2IP01	1	4	1	N
3,4,8,9,15	Discrete Input						CM2A2IP02	Discrete Input 03		-	200	I	CM2A2IP02	1	4	2	N



3,4,8,9,15	Discrete Input							CM2A2IP03	Discrete Input 04	-	200	I	CM2A2IP03	1	4	3	N			
3,4,8,9,15	FADEC							CM2A2IP04	Discrete Input 05	-	200	O	CM2A2IP04	1	4	4	N			
3,4,8,9,15	FADEC							CM2A2IP05	Discrete Input 06	-	200	O	CM2A2IP05	1	4	5	N			
3,4,8,9,15	FADEC							CM2A2IP06	Discrete Input 07	-	200	O	CM2A2IP06	1	4	6	N			
3,4,8,9,15	FADEC							CM2A2IP07	Discrete Input 08	-	200	O	CM2A2IP07	1	4	7	N			
3,4,8,9,15	FADEC							CM2A2IP08	Discrete Input 09	-	200	O	CM2A2IP08	1	4	8	N			
3,4,8,9,15	FADEC							CM2A2IP09	Discrete Input 10	-	200	O	CM2A2IP09	1	4	9	N			
3,4,8,9,15	FADEC							CM2A2IP10	Discrete Input 11	-	200	O	CM2A2IP10	1	4	10	N			
3,4,8,9,15	FADEC							CM2A2IP11	Discrete Input 12	-	200	O	CM2A2IP11	1	4	11	N			
3,4,8,9,15	FADEC							CM2A2IP12	Discrete Input 13	-	200	O	CM2A2IP12	1	4	12	N			
3,4,8,9,15	Discrete Input							CM2A2IP13	Discrete Input 14	-	200	I	CM2A2IP13	1	4	13	N			
3,4,8,9,15	Discrete Input							CM2A2IP14	Discrete Input 15	-	200	I	CM2A2IP14	1	4	14	N			
3,4,8,9,15	Discrete Input							CM2A2IP15	Discrete Input 16	-	200	I	CM2A2IP15	1	4	15	N			
3,4,8,9,15	proDAS	PBS_Trigger	PBS trigger	-	200	O	PBS Trigger						CM2A3OP00	1	4	24	N			
3,4,8,9,15	proDAS	DTS_Trigger	DTS Trigger	-	80	O							CM2A3OP01	1	4	25	N			
3,4,8,9,15	proDAS	Buzzer_Enable_IO	Buzzer enable (MAIN)	-	200	O	Buzzer DIO						CM2A3OP02	1	4	26	N			
3,4,8,9,15	proDAS	Buzzer_IO	Buzzer	-	200	O							CM2A3OP03	1	4	27	N			
3,4,8,9,15	proDAS	PBS_Cmd_Purge	Purge command (RTE .config)	-	0	O	Purge Command						CM2A3OP04	1	4	28	N			
3,4,9,15	Discrete Input							CM2A3OP05	Discrete Output 06	-	200	I	CM2A3OP05	1	4	29	N			
3,4,9,15	Discrete Input							CM2A3OP06	Discrete Output 07	-	200	I	CM2A3OP06	1	4	30	N			
3,4,9,15	Discrete Input							CM2A3OP07	Discrete Output 08	-	200	I	CM2A3OP07	1	4	31	N			
3,4,8,9,15	proDAS	EmPLA_Bit16_DIO	EmPLA DO Bit16	5	O	Bit 16							CM2A3OP08	1	4	32	N			
3,4,8,9,15	proDAS	EmPLA_Bit8_DIO	EmPLA DO Bit8	5	O	Bit 8							CM2A3OP09	1	4	33	N			
3,4,8,9,15	proDAS	EmPLA_Bit4_DIO	EmPLA DO Bit4	5	O	Bit 4							CM2A3OP10	1	4	34	N			
3,4,8,9,15	proDAS	EmPLA_Bit2_DIO	EmPLA DO Bit2	5	O	Bit 2							CM2A3OP11	1	4	35	N			
3,4,8,9,15	proDAS	EmPLA_Bit1_DIO	EmPLA DO Bit1	5	O	Bit 1							CM2A3OP12	1	4	36	N			
3,4,8,9,15	proDAS	EmPLA_Offset	EmPLA DO Offset - MUST BE ALWAYS ON	5	O	Offset							CM2A3OP13	1	4	37	N			
3,4,8,9,15	Discrete Output	EmPLA_Unused_Bit_DIO	EmPLA DO Unused Bit	5	O	Unused Bit							CM2A3OP14	1	4	38	N			
3,4,9,15	Discrete Input							CM2A3OP15	DiscreteOutput16	-	200	I	CM2A3OP15	1	4	39	N			
3,4,8,9,15	Discrete Input							CM3A3IP00	Discrete Input 17	-	200	I	CM3A3IP00	1	4	48	N			
3,4,8,9,15	Discrete Input							CM3A3IP01	Discrete Input 18	-	200	I	CM3A3IP01	1	4	49	N			
3,4,9,15	Discrete Input							CM3A3IP02	Discrete Input 19	-	200	I	CM3A3IP02	1	4	50	N			
3,4,9,15	Discrete Input							CM3A3IP03	Discrete Input 20	-	200	I	CM3A3IP03	1	4	51	N			
3,4,9,15	Discrete Input							CM3A3IP04	Discrete Input 21	-	200	I	CM3A3IP04	1	4	52	N			
3,4,9,15	Discrete Input							CM3A3IP05	Discrete Input 22	-	200	I	CM3A3IP05	1	4	53	N			
3,4,9,15	Discrete Input							CM3A3IP06	Discrete Input 23	-	200	I	CM3A3IP06	1	4	54	N			
3,4,9,15	Discrete Output							CM3A3IP07	Discrete Input 24	-	200	O	CM3A3IP07	1	4	55	N			
3,4,9,15	Discrete Output							CM3A3IP08	Discrete Input 25	-	200	O	CM3A3IP08	1	4	56	N			
3,4,9,15	Discrete Output							CM3A3IP09	Discrete Input 26	-	200	O	CM3A3IP09	1	4	57	N			
3,4,9,15	Discrete Output							CM3A3IP10	Discrete Input 27	-	200	O	CM3A3IP10	1	4	58	N			
3,4,9,15	Discrete Input							CM3A3IP11	Discrete Input 28	-	200	I	CM3A3IP11	1	4	59	N			
3,4,9,15	Discrete Input							CM3A3IP12	Discrete Input 29	-	200	I	CM3A3IP12	1	4	60	N			
3,4,9,15	Discrete Input							CM3A3IP13	Discrete Input 30	-	200	I	CM3A3IP13	1	4	61	N			
3,4,9,15	Discrete Input							CM3A3IP14	Discrete Input 31	-	200	I	CM3A3IP14	1	4	62	N			
3,4,9,15	Discrete Input							CM3A3IP15	Discrete Input 32	-	200	I	CM3A3IP15	1	4	63	N			
3,4,9,15	Discrete Input							CM3A4OP00	Discrete Output 17	-	200	I	CM3A4OP00	1	4	72	N			
3,4,9,15	Discrete Input							CM3A4OP01	Discrete Output 18	-	200	I	CM3A4OP01	1	4	73	N			
3,4,9,15	Discrete Input							CM3A4OP02	Discrete Output 19	-	200	I	CM3A4OP02	1	4	74	N			
3,4,9,15	Discrete Input							CM3A4OP03	Discrete Output 20	-	200	I	CM3A4OP03	1	4	75	N			
3,4,9,15	Discrete Input							CM3A4OP04	Discrete Output 21	-	200	I	CM3A4OP04	1	4	76	N			
3,4,9,15	Discrete Input							CM3A4OP05	Discrete Output 22	-	200	I	CM3A4OP05	1	4	77	N			
3,4,9,15	Discrete Input							CM3A4OP06	Discrete Output 23	-	200	I	CM3A4OP06	1	4	78	N			
3,4,9,15	Discrete Input							FADEC1	FADEC Facility Interface	-	200	I	CM3A4OP07	1	4	79	N			
3,4,9,15	Discrete Input							FADEC2	FADEC Facility Interface	-	200	I	CM3A4OP08	1	4	80	N			
3,4,9,15	Discrete Output							FADEC3	FADEC Facility Interface	-	200	O	CM3A4OP09	1	4	81	N			
3,4,9,15	Discrete Output							FADEC4	FADEC Facility Interface	-	200	O	CM3A4OP10	1	4	82	N			
3,4,9,15	Discrete Output							FADEC5	FADEC Facility Interface	-	200	O	CM3A4OP11	1	4	83	N			
3,4,9,15	Discrete Output							FADEC6	FADEC Facility Interface	-	200	O	CM3A4OP12	1	4	84	N			
3,4,9,15	Discrete Output							FADEC7	FADEC Facility Interface	-	200	O	CM3A4OP13	1	4	85	N			
3,4,9,15	Discrete Output							FADEC8	FADEC Facility Interface	-	200	O	CM3A4OP14	1	4	86	N			
3,4,9,15	Discrete Output							FADEC9	FADEC Facility Interface	-	200	O	CM3A4OP15	1	4	87	N			
GASSVXI													Pinout	Chassis	Slot	Channel #	Meas. Type	Gain	Range	Polarity
3,4,9,15	Analogue input							SAS001	Analogue input 120_001	V	200	I	SAS001	1	1	0	Analogue	1	16	N
3,4,9,15	Analogue input							SAS002	Analogue input 120_002	V	200	I	SAS002	1	1	1	Analogue	1	16	N
3,4,9,15	Analogue input							SAS003	Analogue input 120_003	V	200	I	SAS003	1	1	2	Analogue	1	16	N
3,4,9,15	Analogue input							SAS004	Analogue input 120_004	V	200	I	SAS004	1	1	3	Analogue	1	16	N
3,4,9,15	Analogue input							SAS005	Analogue input 120_005	V	200	I	SAS005	1	1	4	Analogue	1	16	N
3,4,9,15	Analogue input							SAS006	Analogue input 120_006	V	200	I	SAS006	1	1	5	Analogue	1	16	N
3,4,9,15	Analogue input							SAS007	Analogue input 120_007	V	200	I	SAS007	1	1	6	Analogue	1	16	N
3,4,9,15	Analogue input							SAS008	Analogue input 120_008	V	200	I	SAS008	1	1	7	Analogue	1	16	N
3,4,9,15	Analogue input							SAS009	Analogue input 120_009	V	200	I	SAS009	1	1	8	Analogue	1	16	N
3,4,9,15	Analogue input							SAS010	Analogue input 120_010	V	200	I	SAS010	1						

3,4,9,15	Analogue input	SAS021	Analogue input 120_021	V	200	I	SAS021	1	1	20	Analogue	1	16	N
3,4,9,15	Analogue input	SAS022	Analogue input 120_022	V	200	I	SAS022	1	1	21	Analogue	1	16	N
3,4,9,15	Analogue input	SAS023	Analogue input 120_023	V	200	I	SAS023	1	1	22	Analogue	1	16	N
3,4,9,15	Analogue input	SAS024	Analogue input 120_024	V	200	I	SAS024	1	1	23	Analogue	1	16	N
3,4,9,15	Analogue input	SAS025	Analogue input 120_025	V	200	I	SAS025	1	1	24	Analogue	1	16	N
3,4,9,15	Analogue input	SAS026	Analogue input 120_026	V	200	I	SAS026	1	1	25	Analogue	1	16	N
3,4,9,15	Analogue input	SAS027	Analogue input 120_027	V	200	I	SAS027	1	1	26	Analogue	1	16	N
3,4,9,15	Analogue input	SAS028	Analogue input 120_028	V	200	I	SAS028	1	1	27	Analogue	1	16	N
3,4,9,15	Analogue input	SAS029	Analogue input 120_029	V	200	I	SAS029	1	1	28	Analogue	1	16	N
3,4,9,15	Analogue input	SAS030	Analogue input 120_030	V	200	I	SAS030	1	1	29	Analogue	1	16	N
3,4,9,15	Analogue input	SAS031	Analogue input 120_031	V	200	I	SAS031	1	1	30	Analogue	1	16	N
3,4,9,15	Analogue input	SAS032	Analogue input 120_032	V	200	I	SAS032	1	1	31	Analogue	1	16	N
3,4,9,15	Analogue input	SAS033	Analogue input 120_033	V	200	I	SAS033	1	1	32	Analogue	1	16	N
3,4,9,15	Analogue input	SAS034	Analogue input 120_034	V	200	I	SAS034	1	1	33	Analogue	1	16	N
3,4,9,15	Analogue input	SAS035	Analogue input 120_035	V	200	I	SAS035	1	1	34	Analogue	1	16	N
3,4,9,15	Analogue input	SAS036	Analogue input 120_036	V	200	I	SAS036	1	1	35	Analogue	1	16	N
3,4,9,15	Analogue input	SAS037	Analogue input 120_037	V	200	I	SAS037	1	1	36	Analogue	1	16	N
3,4,9,15	Analogue input	SAS038	Analogue input 120_038	V	200	I	SAS038	1	1	37	Analogue	1	16	N
3,4,9,15	Analogue input	SAS039	Analogue input 120_039	V	200	I	SAS039	1	1	38	Analogue	1	16	N
3,4,9,15	Analogue input	SAS040	Analogue input 120_040	V	200	I	SAS040	1	1	39	Analogue	1	16	N
3,4,9,15	Analogue input	SAS041	Analogue input 120_041	V	200	I	SAS041	1	1	40	Analogue	1	16	N
3,4,9,15	Analogue input	SAS042	Analogue input 120_042	V	200	I	SAS042	1	1	41	Analogue	1	16	N
3,4,9,15	Analogue input	SAS043	Analogue input 120_043	V	200	I	SAS043	1	1	42	Analogue	1	16	N
3,4,9,15	Analogue input	SAS044	Analogue input 120_044	V	200	I	SAS044	1	1	43	Analogue	1	16	N
3,4,9,15	Analogue input	SAS045	Analogue input 120_045	V	200	I	SAS045	1	1	44	Analogue	1	16	N
3,4,9,15	Analogue input	SAS046	Analogue input 120_046	V	200	I	SAS046	1	1	45	Analogue	1	16	N
3,4,9,15	Analogue input	SAS047	Analogue input 120_047	V	200	I	SAS047	1	1	46	Analogue	1	16	N
3,4,9,15	Analogue input	SAS048	Analogue input 120_048	V	200	I	SAS048	1	1	47	Analogue	1	16	N
3,4,9,15	Analogue input	SAS049	Analogue input 120_049	V	200	I	SAS049	1	1	48	Analogue	1	16	N
3,4,9,15	Analogue input	SAS050	Analogue input 120_050	V	200	I	SAS050	1	1	49	Analogue	1	16	N
3,4,9,15	Analogue input	SAS051	Analogue input 120_051	V	200	I	SAS051	1	1	50	Analogue	1	16	N
3,4,9,15	Analogue input	SAS052	Analogue input 120_052	V	200	I	SAS052	1	1	51	Analogue	1	16	N
3,4,9,15	Analogue input	SAS053	Analogue input 120_053	V	200	I	SAS053	1	1	52	Analogue	1	16	N
3,4,9,15	Analogue input	SAS054	Analogue input 120_054	V	200	I	SAS054	1	1	53	Analogue	1	16	N
3,4,9,15	Analogue input	SAS055	Analogue input 120_055	V	200	I	SAS055	1	1	54	Analogue	1	16	N
3,4,9,15	Analogue input	SAS056	Analogue input 120_056	V	200	I	SAS056	1	1	55	Analogue	1	16	N
3,4,9,15	Analogue input	SAS057	Analogue input 120_057	V	200	I	SAS057	1	1	56	Analogue	1	16	N
3,4,9,15	Analogue input	SAS058	Analogue input 120_058	V	200	I	SAS058	1	1	57	Analogue	1	16	N
3,4,9,15	Analogue input	SAS059	Analogue input 120_059	V	200	I	SAS059	1	1	58	Analogue	1	16	N
3,4,9,15	Analogue input	SAS060	Analogue input 120_060	V	200	I	SAS060	1	1	59	Analogue	1	16	N
3,4,9,15	Analogue input	SAS061	Analogue input 120_061	kPa	200	I	SAS061	1	1	60	Analogue	1	16	N
3,4,9,15	Analogue input	SAS062	Analogue input 120_062	kPa	200	I	SAS062	1	1	61	Analogue	1	16	N
3,4,9,15	Analogue input	SAS063	Analogue input 120_063	V	200	I	SAS063	1	1	62	Analogue	1	16	N
3,4,9,15	Analogue input	SAS064	Analogue input 120_064	kPa	200	I	SAS064	1	1	63	Analogue	1	16	N
3,4,9,15	Analogue input	SAS065	Analogue input 120_065	kPa	200	I	SAS065	1	2	0	Analogue	1	16	N
3,4,9,15	Analogue input	SAS066	Analogue input 120_066	V	200	I	SAS066	1	2	1	Analogue	1	16	N
3,4,9,15	Analogue input	SAS067	Analogue input 120_067	V	200	I	SAS067	1	2	2	Analogue	1	16	N
3,4,9,15	Analogue input	SAS068	Analogue input 120_068	V	200	I	SAS068	1	2	3	Analogue	1	16	N
3,4,9,15	Analogue input	SAS069	Analogue input 120_069	V	200	I	SAS069	1	2	4	Analogue	1	16	N
3,4,9,15	Analogue input	SAS070	Analogue input 120_070	V	200	I	SAS070	1	2	5	Analogue	1	16	N
3,4,9,15	Analogue input	SAS071	Analogue input 120_071	V	200	I	SAS071	1	2	6	Analogue	1	16	N
3,4,9,15	Analogue input	SAS072	Analogue input 120_072	V	200	I	SAS072	1	2	7	Analogue	1	16	N
3,4,9,15	Analogue input	SAS073	Analogue input 120_073	kPa	200	I	SAS073	1	2	8	Analogue	1	16	N
3,4,9,15	Analogue input	SAS074	Analogue input 120_074	V	200	I	SAS074	1	2	9	Analogue	1	16	N
3,4,9,15	Analogue input	SAS075	Analogue input 120_075	V	200	I	SAS075	1	2	10	Analogue	1	16	N
3,4,9,15	Analogue input	SAS076	Analogue input 120_076	V	200	I	SAS076	1	2	11	Analogue	1	16	N
3,4,9,15	Analogue input	SAS077	Analogue input 120_077	V	200	I	SAS077	1	2	12	Analogue	1	16	N
3,4,9,15	Analogue input	SAS078	Analogue input 120_078	V	200	I	SAS078	1	2	13	Analogue	1	16	N
3,4,9,15	Analogue input	SAS079	Analogue input 120_079	V	200	I	SAS079	1	2	14	Analogue	1	16	N
3,4,9,15	Analogue input	SAS080	Analogue input 120_080	V	200	I	SAS080	1	2	15	Analogue	1	16	N
3,4,9,15	Analogue input	SAS081	Analogue input 120_081	V	200	I	SAS081	1	2	16	Analogue	1	16	N
3,4,9,15	Analogue input	SAS082	Analogue input 120_082	V	200	I	SAS082	1	2	17	Analogue	1	16	N
3,4,9,15	Analogue input	SAS083	Analogue input 120_083	V	200	I	SAS083	1	2	18	Analogue	1	16	N
3,4,9,15	Analogue input	SAS084	Analogue input 120_084	V	200	I	SAS084	1	2	19	Analogue	1	16	N
3,4,9,15	Analogue input	SAS085	Analogue input 120_085	kPa	200	I	SAS085	1	2	20	Analogue	1	16	N
3,4,9,15	Analogue input	SAS086	Analogue input 120_086	kPa	200	I	SAS086	1	2	21	Analogue	1	16	N
3,4,9,15	Analogue input	SAS087	Analogue input 120_087	V	200	I	SAS087	1	2	22	Analogue	1	16	N
3,4,9,15	Analogue input	SAS088	Analogue input 120_088	kN	200	I	SAS088	1	2	23	Analogue	1	16	N
3,4,9,15	Analogue input	SAS089	Analogue input 120_089	V	200	I	SAS089	1	2	24	Analogue	1	16	N
3,4,9,15	Analogue input	SAS090	Analogue input 120_090	V	200	I	SAS090	1	2	25	Analogue	1	16	N
3,4,9,15	Analogue input	SAS091	Analogue input 120_091	kPa	200	I	SAS091	1	2	26	Analogue	1	16	N
3,4,9,15	Analogue input	SAS092	Analogue input 120_092	kPa	200	I	SAS092	1	2	27	Analogue	1	16	N
3,4,9,15	Analogue input	SAS093	Analogue input 120_093	kPa	200	I	SAS093	1	2	28	Analogue	1	16	N
3,4,9,15	Analogue input	SAS094	Analogue input 120_094	kPa	200	I	SAS094	1	2	29	Analogue	1	16	N
3,4,9,15	Analogue input	SAS095	Analogue input 120_095	kPa	200	I	SAS095	1	2	30	Analogue	1	16	N
3,4,9,15	Analogue input	SAS096	Analogue input 120_096	kPa	200	I	SAS096	1	2	31	Analogue	1	16	N
3,4,9,15	Analogue input	SAS097	Analogue input 120_097	kPa	200	I	SAS097	1	2	32	Analogue	1	16	N
3,4,9,15	Analogue input	SAS098	Analogue input 120_098	kPa	200	I	SAS098	1	2	33	Analogue	1	16	N
3,4,9,15	Analogue input	SAS099	Analogue input 120_099	V	200	I	SAS099	1	2	34	Analogue	1	16	N
3,4,9,15	Analogue input	SAS100	Analogue input 120_100	V	200	I	SAS100	1	2	35	Analogue	1	16	N
3,4,9,15	Analogue input	SAS101	Analogue input 120_101	deg	200	I	SAS101	1	2	36	Analogue	1	16	N
3,4,9,15	Analogue input	SAS102	Analogue input 120_102	deg	200	I	SAS102	1	2	37	Analogue	1	16	N

3,4,9,15	Analogue input							SAS103	Analogue input 120_103	kPa	200	I				SAS103		1	2	38	Analogue	1	16	N
3,4,9,15	Analogue input							SAS104	Analogue input 120_104	V	200	I				SAS104		1	2	39	Analogue	1	16	N
3,4,9,15	Analogue input							SAS105	Analogue input 120_105	V	200	I				SAS105		1	2	40	Analogue	1	16	N
3,4,9,15	Analogue input							SAS106	Analogue input 120_106	kPa	200	I				SAS106		1	2	41	Analogue	1	16	N
3,4,9,15	Analogue input							SAS107	Analogue input 120_107	V	200	I				SAS107		1	2	42	Analogue	1	16	N
3,4,9,15	Analogue input							SAS108	Analogue input 120_108	V	200	I				SAS108		1	2	43	Analogue	1	16	N
3,4,9,15	Analogue input							SAS109	Analogue input 120_109	V	200	I				SAS109		1	2	44	Analogue	1	16	N
3,4,9,15	Analogue input							SAS110	Analogue input 120_110	V	200	I				SAS110		1	2	45	Analogue	1	16	N
3,4,9,15	Analogue input							SAS111	Analogue input 120_111	V	200	I				SAS111		1	2	46	Analogue	1	16	N
3,4,9,15	Analogue input							SAS112	Analogue input 120_112	V	200	I				SAS112		1	2	47	Analogue	1	16	N
3,4,9,15	Analogue input							SAS113	Analogue input 120_113	V	200	I				SAS113		1	2	48	Analogue	1	16	N
3,4,9,15	Analogue input							SAS114	Analogue input 120_114	V	200	I				SAS114		1	2	49	Analogue	1	16	N
3,4,9,15	Analogue input							SAS115	Analogue input 120_115	kPa	200	I				SAS115		1	2	50	Analogue	1	16	N
3,4,9,15	Analogue input							SAS116	Analogue input 120_116	kPa	200	I				SAS116		1	2	51	Analogue	1	16	N
3,4,9,15	Analogue input							SAS117	Analogue input 120_117	kPa	200	I				SAS117		1	2	52	Analogue	1	16	N
3,4,9,15	Analogue input							SAS118	Analogue input 120_118	V	200	I				SAS118		1	2	53	Analogue	1	16	N
3,4,9,15	Analogue input							SAS119	Analogue input 120_119	V	200	I				SAS119		1	2	54	Analogue	1	16	N
3,4,9,15	Analogue input							SAS120	Analogue input 120_120	V	200	I				SAS120		1	2	55	Analogue	1	16	N
3,4,9,15	Analogue input							CM3A4TN56	Spare - Analogue input	V	200	I				CM3A4TN56		1	2	56	Analogue	1	16	N
3,4,9,15	Analogue input							CM3A4TN57	Spare - Analogue input	V	200	I				CM3A4TN57		1	2	57	Analogue	1	16	N
3,4,9,15	Analogue input							CM3A4TN58	Spare - Analogue input	V	200	I				CM3A4TN58		1	2	58	Analogue	1	16	N
3,4,9,15	Analogue input							CM3A4TN59	Spare - Analogue input	V	200	I				CM3A4TN59		1	2	59	Analogue	1	16	N
3,4,9,15	Analogue input							CM3A4TN60	Spare - Analogue input	V	200	I				CM3A4TN60		1	2	60	Analogue	1	16	N
3,4,9,15	Analogue input							CM3A4TN61	Spare - Analogue input	V	200	I				CM3A4TN61		1	2	61	Analogue	1	16	N
3,4,9,15	Analogue input							CM3A4TN62	Spare - Analogue input	V	200	I				CM3A4TN62		1	2	62	Analogue	1	16	N
3,4,9,15	Analogue input							CM3A4TN63	Spare - Analogue input	V	200	I				CM3A4TN63		1	2	63	Analogue	1	16	N
MBBM													Scale		Offset	Modbus Address								
4,9,15	Vibration	MkII_CmdOut	MkII command 1,2,3,4,5,6,7,8,9	100	O	Cmd_Out							1		0	1								
4,9,15	Vibration	MkII_Cmd_In	MkII command feedback	100	I	Cmd_In							1		0	1								
4,9,15	Vibration	MkII_Status_In	See enumeration for reference	100	I	Status_In							1		0	3								
4,9,15	Vibration	MkII_HB	Heatbeat 0101010... 1 Hz	100	I	Heartbeat							1		0	5								
4,9,15	Vibration	MkII_Config	ConfigID fom setupfile.xml (in MBBM)	100	I	Config							1		0	7								
4,9,15	Vibration	MkII_RecNumber	Recording number in local storage for current con	100	I	Recording Number							1		0	9								
4,9,15	Vibration	MkII_RemainingTime	Remaining time for local storage	100	I	Remaining Time							1		0	11								
4,9,15	Vibration	MkII_RecDuration	Recording duration	100	I	Recording Duration							1		0	13								
4,9,15	Vibration	MkII_ErrorNumber	Error number - See MBBM manual for reference	100	I	Error Number							1		0	19								
4,9,15	Vibration						N1	Vibration - Speed 2_1	rpm	100	I		1		0	109								
4,9,15	Vibration						N2	Vibration - Speed 2_2	rpm	100	I		1		0	111								
4,9,15	Vibration						Vib1	Vibration - Accelerometer 12_1	mm/s	100	I		1		0	21								
4,9,15	Vibration						Vib2	Vibration - Accelerometer 12_2	mm/s	100	I		1		0	23								
4,9,15	Vibration						Vib3	Vibration - Accelerometer 12_3	mm/s	100	I		1		0	25								
4,9,15	Vibration						Vib4	Vibration - Accelerometer 12_4	mm/s	100	I		1		0	27								
4,9,15	Vibration						Vib5	Vibration - Accelerometer 12_5	mm/s	100	I		1		0	29								
4,9,15	Vibration						Vib6	Vibration - Accelerometer 12_6	mm/s	100	I		1		0	31								
4,9,15	Vibration						Vib7	Vibration - Accelerometer 12_7	mm/s	100	I		1		0	33								
4,9,15	Vibration						Vib8	Vibration - Accelerometer 12_8	mm/s	100	I		1		0	35								
4,9,15	Vibration						Vib9	Vibration - Accelerometer 12_9	mm/s	100	I		1		0	37								
4,9,15	Vibration						Vib10	Vibration - Accelerometer 12_10	mm/s	100	I		1		0	39								
4,9,15	Vibration						Vib11	Vibration - Accelerometer 12_11	mm/s	100	I		1		0	41								
4,9,15	Vibration						Vib12	Vibration - Accelerometer 12_12	mm/s	100	I		1		0	43								
4,9,15	Vibration						P1	Vibration - Bridge 8_1	Pa	100	I		1		0	93								
4,9,15	Vibration						P2	Vibration - Bridge 8_2	Pa	100	I		1		0	95								
4,9,15	Vibration						P3	Vibration - Bridge 8_3	Pa	100	I		1		0	97								
4,9,15	Vibration						P4	Vibration - Bridge 8_4	Pa	100	I		1		0	99								
4,9,15	Vibration						P5	Vibration - Bridge 8_5	Pa	100	I		1		0	101								
4,9,15	Vibration						P6	Vibration - Bridge 8_6	Pa	100	I		1		0	103								
4,9,15	Vibration						P7	Vibration - Bridge 8_7	Pa	100	I		1		0	105								
4,9,15	Vibration						P8	Vibration - Bridge 8_8	Pa	100	I		1		0	107								
4,9,15	Vibration						V1	Vibration - Voltage 2_1	V	100	I		1		0	113								
4,9,15	Vibration						V2	Vibration - Voltage 2_2	V	100	I		1		0	115								
4,9,15	Vibration						V1N1	Vibration - Voltage N1 2_1	V	100	I		1		0	117								
4,9,15	Vibration						V1N2	Vibration - Voltage N2 2_1	V	100	I		1		0	119								
4,9,15	Vibration						V2N1	Vibration - Voltage N1 2_2	V	100	I		1		0	121								
4,9,15	Vibration						V2N2	Vibration - Voltage N2 2_2	V	100	I		1		0	123								
4,9,15	Vibration						Vib1N1	Vibration - Tracked N1 12_1	mm/s	100	I		1		0	45								
4,9,15	Vibration						Vib2N1	Vibration - Tracked N1 12_2	mm/s	100	I		1		0	47								
4,9,15	Vibration						Vib3N1	Vibration - Tracked N1 12_3	mm/s	100	I		1		0	49								
4,9,15	Vibration						Vib4N1	Vibration - Tracked N1 12_4	mm/s	100	I		1		0	51								
4,9,15	Vibration						Vib5N1	Vibration - Tracked N1 12_5	mm/s	100	I		1		0	53								
4,9,15	Vibration						Vib6N1	Vibration - Tracked N1 12_6	mm/s	100	I		1		0	55								
4,9,15	Vibration						Vib7N1	Vibration - Tracked N1 12_7	mm/s	100	I		1		0	57								
4,9,15	Vibration						Vib8N1	Vibration - Tracked N1 12_8	mm/s	100	I		1		0	59								
4,9,15	Vibration						Vib9N1	Vibration - Tracked N1 12_9	mm/s	100	I		1		0	61								
4,9,15	Vibration						Vib10N1	Vibration - Tracked N1 12_10	mm/s	100	I		1		0	63								
4,9,15	Vibration						Vib11N1	Vibration - Tracked N1 12_11	mm/s	100	I		1		0	65								
4,9,15	Vibration						Vib12N1	Vibration - Tracked N1 12_12	mm/s</															















	Facility Controls 1		PLC1_to_proDAS_Float15	Communication test	-	10	I	proDAS Float15_ Loopback	1	0	1029
9,15	Facility Controls 1		PLC1_to_proDAS_Float16	Communication test	-	10	I	proDAS Float16_ Loopback	1	0	1031
9,15	Facility Controls 1		PLC1_to_proDAS_Float17	Communication test	-	10	I	proDAS Float17_ Loopback	1	0	1033
9,15	Facility Controls 1		PLC1_to_proDAS_Float18	Communication test	-	10	I	proDAS Float18_ Loopback	1	0	1035
9,15	Facility Controls 1		PLC1_to_proDAS_Float19	Communication test	-	10	I	proDAS Float19_ Loopback	1	0	1037
9,15	Facility Controls 1		PLC1_to_proDAS_Float20	Communication test	-	10	I	proDAS Float20_ Loopback	1	0	1039
9,15	Facility Controls 1		proDAS_to_PLC1_Bool01	Communication test	-	10	O	proDAS Bool01 send 0	1	0	2001
9,15	Facility Controls 1		proDAS_to_PLC1_Bool02	Communication test	-	10	O	proDAS Bool02 send 1	1	0	2002
9,15	Facility Controls 1		proDAS_to_PLC1_Bool03	Communication test	-	10	O	proDAS Bool03 send Flip	1	0	2003
9,15	Facility Controls 1		proDAS_to_PLC1_Bool04	Communication test	-	10	O	proDAS Bool04 send Flip	1	0	2004
9,15	Facility Controls 1		proDAS_to_PLC1_Bool05	Communication test	-	10	O	proDAS Bool05 send Flip	1	0	2005
9,15	Facility Controls 1		proDAS_to_PLC1_Bool06	Communication test	-	10	O	proDAS Bool06 send Flip	1	0	2006
9,15	Facility Controls 1		proDAS_to_PLC1_Bool07	Communication test	-	10	O	proDAS Bool07 send Flip	1	0	2007
9,15	Facility Controls 1		proDAS_to_PLC1_Bool08	Communication test	-	10	O	proDAS Bool08 send Flip	1	0	2008
9,15	Facility Controls 1		proDAS_to_PLC1_Bool09	Communication test	-	10	O	proDAS Bool09 send Flip	1	0	2009
9,15	Facility Controls 1		proDAS_to_PLC1_Bool10	Communication test	-	10	O	proDAS Bool10 send Flip	1	0	2010
9,15	Facility Controls 1		proDAS_to_PLC1_Bool11	Communication test	-	10	O	proDAS Bool11 send Flip	1	0	2011
9,15	Facility Controls 1		proDAS_to_PLC1_Bool12	Communication test	-	10	O	proDAS Bool12 send Flip	1	0	2012
9,15	Facility Controls 1		proDAS_to_PLC1_Bool13	Communication test	-	10	O	proDAS Bool13 send Flip	1	0	2013
9,15	Facility Controls 1		proDAS_to_PLC1_Bool14	Communication test	-	10	O	proDAS Bool14 send Flip	1	0	2014
9,15	Facility Controls 1		proDAS_to_PLC1_Bool15	Communication test	-	10	O	proDAS Bool15 send Flip	1	0	2015
9,15	Facility Controls 1		proDAS_to_PLC1_Bool16	Communication test	-	10	O	proDAS Bool16 send Flip	1	0	2016
9,15	Facility Controls 1		proDAS_to_PLC1_Bool17	Communication test	-	10	O	proDAS Bool17 send Flip	1	0	2017
9,15	Facility Controls 1		proDAS_to_PLC1_Bool18	Communication test	-	10	O	proDAS Bool18 send Flip	1	0	2018
9,15	Facility Controls 1		proDAS_to_PLC1_Bool19	Communication test	-	10	O	proDAS Bool19 send Flip	1	0	2019
9,15	Facility Controls 1		proDAS_to_PLC1_Bool20	Communication test	-	10	O	proDAS Bool20 send Flip	1	0	2020
9,15	Facility Controls 1		proDAS_to_PLC1_Float01	Communication test	count	10	O	proDAS Float01 send Count	1	0	3001
9,15	Facility Controls 1		proDAS_to_PLC1_Float02	Communication test	count	10	O	proDAS Float02 send Count	1	0	3003
9,15	Facility Controls 1		proDAS_to_PLC1_Float03	Communication test	count	10	O	proDAS Float03 send Count	1	0	3005
9,15	Facility Controls 1		proDAS_to_PLC1_Float04	Communication test	count	10	O	proDAS Float04 send Count	1	0	3007
9,15	Facility Controls 1		proDAS_to_PLC1_Float05	Communication test	count	10	O	proDAS Float05 send Count	1	0	3009
9,15	Facility Controls 1		proDAS_to_PLC1_Float06	Communication test	count	10	O	proDAS Float06 send Count	1	0	3011
9,15	Facility Controls 1		proDAS_to_PLC1_Float07	Communication test	count	10	O	proDAS Float07 send Count	1	0	3013
9,15	Facility Controls 1		proDAS_to_PLC1_Float08	Communication test	count	10	O	proDAS Float08 send Count	1	0	3015
9,15	Facility Controls 1		proDAS_to_PLC1_Float09	Communication test	count	10	O	proDAS Float09 send Count	1	0	3017
9,15	Facility Controls 1		proDAS_to_PLC1_Float10	Communication test	count	10	O	proDAS Float10 send Count	1	0	3019
9,15	Facility Controls 1		proDAS_to_PLC1_Float11	Communication test	count	10	O	proDAS Float11 send Count	1	0	3021
9,15	Facility Controls 1		proDAS_to_PLC1_Float12	Communication test	count	10	O	proDAS Float12 send Count	1	0	3023
9,15	Facility Controls 1		proDAS_to_PLC1_Float13	Communication test	count	10	O	proDAS Float13 send Count	1	0	3025
9,15	Facility Controls 1		proDAS_to_PLC1_Float14	Communication test	count	10	O	proDAS Float14 send Count	1	0	3027
9,15	Facility Controls 1		proDAS_to_PLC1_Float15	Communication test	count	10	O	proDAS Float15 send Count	1	0	3029
9,15	Facility Controls 1		proDAS_to_PLC1_Float16	Communication test	count	10	O	proDAS Float16 send Count	1	0	3031
9,15	Facility Controls 1		proDAS_to_PLC1_Float17	Communication test	count	10	O	proDAS Float17 send Count	1	0	3033
9,15	Facility Controls 1		proDAS_to_PLC1_Float18	Communication test	count	10	O	proDAS Float18 send Count	1	0	3035
15	Facility Controls 1		proDAS_to_PLC1_Float19	Communication test	count	10	O	proDAS Float19 send Count	1	0	3037
15	Facility Controls 1		proDAS_to_PLC1_Float20	Communication test	count	10	O	proDAS Float20 send Count	1	0	3039
Sample											
15	External Hook		Sum	External Hook	-	10	I				
M1553											
9,12,13,15	Engine		BC_to_RT1_Tx_1Hz	Node BC: BC to RT1 (1)	count	1	O	BC_to_RT1_Tx	1	1	Floating point BC_to_RT1_Tx_1Hz 32
9,12,13,15	Engine		BC_to_RT1_Tx_10Hz	Node BC: BC to RT1 (1)	count	10	O	BC_to_RT1_Tx	1	1	Floating point BC_to_RT1_Tx_10Hz 32
9,12,13,15	Engine		BC_to_RT1_Tx_33Hz	Node BC: BC to RT1 (1)	count	33	O	BC_to_RT1_Tx	1	1	Floating point BC_to_RT1_Tx_33Hz 32
9,12,13,15	Engine		BC_to_RT1_Tx_100Hz	Node BC: BC to RT1 (1)	count	100	O	BC_to_RT1_Tx	1	1	Floating point BC_to_RT1_Tx_100Hz 32
9,12,13,15	Engine		BC_to_RT1_Tx_200Hz	Node BC: BC to RT1 (1)	count	200	O	BC_to_RT1_Tx	1	1	Floating point BC_to_RT1_Tx_200Hz 32
9,12,13,15	Engine		Message_Tx_1Hz	Node BC: BC to RT1 (1)	count	1	O	BC_to_RT1_Tx	1	3	Floating point BC_to_RT1_Tx_1Hz 32
9,12,13,15	Engine		Message_Tx_10Hz	Node BC: BC to RT1 (1)	count	10	O	BC_to_RT1_Tx	1	3	Floating point BC_to_RT1_Tx_10Hz 32
12,13,15	Engine		Message_Tx_200Hz	Node BC: BC to RT1 (1)	count	200	O	BC_to_RT1_Tx	1	3	Floating point BC_to_RT1_Tx_200Hz 32
12,13,15	Engine		BC_to_RT1_Tx_HEX	Node BC: BC to RT1 (1) SR-1700	-	100	O	BC_to_RT1_Tx	1	1	Signed BNR BC_to_RT1_Tx_HEX 16
12,13,15	Engine		BC_to_RT1_Tx_WildHigh	Node BC: BC to RT1 (1) SR-702	-	100	O	BC_to_RT1_Tx	1	5	Signed BNR BC_to_RT1_Tx_HEX 16
12,13,15	Engine		BC_to_RT1_Tx_WildLow	Node BC: BC to RT1 (1) SR-702	-	100	O	BC_to_RT1_Tx	1	10	Signed BNR BC_to_RT1_Tx_HEX 16
12,13,15	Engine		FADEC_to_BC_Rx_WildHigh	Node BC: BC to RT1 (1) SR-702	-	100	I	BC_to_RT1_Tx	1	5	Signed BNR FADEC_to_BC_Rx_HE 16
12,13,15	Engine		FADEC_to_BC_Rx_WildLow	Node BC: BC to RT1 (1) SR-702	-	100	I	BC_to_RT1_Tx	1	10	Signed BNR FADEC_to_BC_Rx_HE 16
12,13,15	Engine		BC_to_RT1_Rx_1Hz	Node RT1: BC to RT1 (2)	count	1	I	BC_to_RT1_Rx	1	1	Floating point BC_to_RT1_Rx_1Hz 32
12,13,15	Engine		BC_to_RT1_Rx_10Hz	Node RT1: BC to RT1 (2)	count	10	I	BC_to_RT1_Rx	1	1	Floating point BC_to_RT1_Rx_10Hz 32
12,13,15	Engine		BC_to_RT1_Rx_33Hz	Node RT1: BC to RT1 (2)	count	33	I	BC_to_RT1_Rx	1	1	Floating point BC_to_RT1_Rx_33Hz 32
12,13,15	Engine		BC_to_RT1_Rx_100Hz	Node RT1: BC to RT1 (2)	count	100	I	BC_to_RT1_Rx	1	1	Floating point BC_to_RT1_Rx_100Hz 32
12,13,15	Engine		BC_to_RT1_Rx_200Hz	Node RT1: BC to RT1 (2)	count	200	I	BC_to_RT1_Rx	1	1	Floating point BC_to_RT1_Rx_200Hz 32
12,13,15	Engine		Message_Rx_1Hz_slow	Node RT1: BC to RT1 (2) SR-1342	count	1	I	BC_to_RT1_Rx	1	3	Floating point BC_to_RT1_Rx_1Hz 32
12,13,15	Engine		Message_Rx_10Hz_slow	Node RT1: BC to RT1 (2) SR-1342	count	1	I	BC_to_RT1_Rx	1	3	Floating point BC_to_RT1_Rx_10Hz 32
12,13,15	Engine		Message_Rx_200Hz_slow	Node RT1: BC to RT1 (2) SR-1342	count	1	I	BC_to_RT1_Rx	1	3	Floating point BC_to_RT1_Rx_200Hz 32
12,13,15	Engine		BC_to_RT1_Rx_HEX	Node RT1: BC to RT1 (2) SR-1701	-	100	I	BC_to_RT1_Rx	1	1	Signed BNR BC_to_RT1_Rx_HEX 16
12,13,15	Engine		RT1_to_RT2_Tx_1Hz	Node RT1: RT1 to RT2 (3)	count	1	O	RT1_to_RT2_Tx	1	1	Floating point RT1_to_RT2_Tx_1Hz 32
12,13,15	Engine		RT1_to_RT3_Tx_1Hz	Node RT1: RT1 to RT3 (3)	count	1	O	RT1_to_RT2_Tx	1	1	Floating point RT1_to_RT3_Tx_1Hz 32
12,13,15	Engine		RT1_to_RT2_Rx_1Hz	Node RT2: RT1 to RT2 (4)	count	1	I	RT1_to_RT2_Tx	1	1	Floating point RT1_to_RT2_Rx_1Hz 32
12,13,15	Engine		RT1_to_RT3_Rx_1Hz	Node RT3: RT1 to RT3 (4)	count	1	I	RT1_to_RT2_Tx	1	1	Floating point RT1_to_RT3_Rx_1Hz 32
12,13,15	T-REC		T_REC_MIL1553_Wild_Out_01	T-REC demo	-	100	O		1	5	Discrete BC_to_RT1_Tx_100Hz 1
12,13,15	T-REC		T_REC_MIL1553_Wild_Out_02	T-REC demo	-	100	O		2	5	Discrete BC_to_RT1_Tx_100Hz 1
12,13,15	T-REC		T_REC_MIL1553_Wild_Out_03	T-REC demo	-	100	O		3	5	Discrete BC_to_RT1_Tx_100Hz 1
12,13,15	T-REC		T_REC_MIL1553_Wild_Out_04	T-REC demo	-	100	O		4	5	Discrete BC_to_RT1_Tx_100Hz 1
12,13,15	T-REC		T_REC_MIL1553_Wild_Out_05	T-REC demo	-	100	O		5	5	Discrete BC_to_RT1_Tx_100Hz 1
12,13,15	T-REC		T_REC_MIL1553_Wild_Out_06	T-REC demo	-	100	O		6	5	Discrete BC_to_RT1_Tx_100Hz 1
12,13,15	T-REC		T_REC_MIL1553_Wild_Out_07	T-REC demo	-	100	O		7	5	Discrete BC_to_RT1_Tx_100Hz 1

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15	Facility Controls 2						proDAS_to_PLC2_Bool13	Communication test	-	10	O	proDAS Bool13 send Flip	1	0	2013
15	Facility Controls 2						proDAS_to_PLC2_Bool14	Communication test	-	10	O	proDAS Bool14 send Flip	1	0	2014
15	Facility Controls 2						proDAS_to_PLC2_Bool15	Communication test	-	10	O	proDAS Bool15 send Flip	1	0	2015
15	Facility Controls 2						proDAS_to_PLC2_Bool16	Communication test	-	10	O	proDAS Bool16 send Flip	1	0	2016
15	Facility Controls 2						proDAS_to_PLC2_Bool17	Communication test	-	10	O	proDAS Bool17 send Flip	1	0	2017
15	Facility Controls 2						proDAS_to_PLC2_Bool18	Communication test	-	10	O	proDAS Bool18 send Flip	1	0	2018
15	Facility Controls 2						proDAS_to_PLC2_Bool19	Communication test	-	10	O	proDAS Bool19 send Flip	1	0	2019
15	Facility Controls 2						proDAS_to_PLC2_Bool20	Communication test	-	10	O	proDAS Bool20 send Flip	1	0	2020
15	Facility Controls 2						proDAS_to_PLC2_Float01	Communication test	count	10	O	proDAS Float01 send Count	1	0	3001
15	Facility Controls 2						proDAS_to_PLC2_Float02	Communication test	count	10	O	proDAS Float02 send Count	1	0	3003
15	Facility Controls 2						proDAS_to_PLC2_Float03	Communication test	count	10	O	proDAS Float03 send Count	1	0	3005
15	Facility Controls 2						proDAS_to_PLC2_Float04	Communication test	count	10	O	proDAS Float04 send Count	1	0	3007
15	Facility Controls 2						proDAS_to_PLC2_Float05	Communication test	count	10	O	proDAS Float05 send Count	1	0	3009
15	Facility Controls 2						proDAS_to_PLC2_Float06	Communication test	count	10	O	proDAS Float06 send Count	1	0	3011
15	Facility Controls 2						proDAS_to_PLC2_Float07	Communication test	count	10	O	proDAS Float07 send Count	1	0	3013
15	Facility Controls 2						proDAS_to_PLC2_Float08	Communication test	count	10	O	proDAS Float08 send Count	1	0	3015
15	Facility Controls 2						proDAS_to_PLC2_Float09	Communication test	count	10	O	proDAS Float09 send Count	1	0	3017
15	Facility Controls 2						proDAS_to_PLC2_Float10	Communication test	count	10	O	proDAS Float10 send Count	1	0	3019
15	Facility Controls 2						proDAS_to_PLC2_Float11	Communication test	count	10	O	proDAS Float11 send Count	1	0	3021
15	Facility Controls 2						proDAS_to_PLC2_Float12	Communication test	count	10	O	proDAS Float12 send Count	1	0	3023
15	Facility Controls 2						proDAS_to_PLC2_Float13	Communication test	count	10	O	proDAS Float13 send Count	1	0	3025
15	Facility Controls 2						proDAS_to_PLC2_Float14	Communication test	count	10	O	proDAS Float14 send Count	1	0	3027
15	Facility Controls 2						proDAS_to_PLC2_Float15	Communication test	count	10	O	proDAS Float15 send Count	1	0	3029
15	Facility Controls 2						proDAS_to_PLC2_Float16	Communication test	count	10	O	proDAS Float16 send Count	1	0	3031
15	Facility Controls 2						proDAS_to_PLC2_Float17	Communication test	count	10	O	proDAS Float17 send Count	1	0	3033
15	Facility Controls 2						proDAS_to_PLC2_Float18	Communication test	count	10	O	proDAS Float18 send Count	1	0	3035
15	Facility Controls 2						proDAS_to_PLC2_Float19	Communication test	count	10	O	proDAS Float19 send Count	1	0	3037
15	Facility Controls 2						proDAS_to_PLC2_Float20	Communication test	count	10	O	proDAS Float20 send Count	1	0	3039
MBBMserv													Scale	Offset	Modbus Address
14	Vibration	MkIIIserv_Cmd_Out	MkII command 1,2,3,4,5,6,7,8,9	-	100	O	Cmd_Out						1	0	1
14	Vibration	MkIIIserv_ProjectNumber	MkII Project Number from TIP	-	100	O	Project Number						1	0	17
14	Vibration	MkIIIserv_TestNumber	MkII Test Number from TIP	-	100	O	Test Number						1	0	15
14	Vibration	MkIIIserv_Cmd_In	MkII command feedback	-	100	I	Cmd_In						1	0	1
14	Vibration	MkIIIserv_Status_In	See enumeration for reference	-	100	I	Status_In						1	0	3
14	Vibration	MkIIIserv_HB	Heatbeat 0101010... 1 Hz	-	100	I	Heartbeat						1	0	5
14	Vibration	MkIIIserv_Config	ConfigID fom setupfile.xml (in MBBM)	-	100	I	Config						1	0	7
14	Vibration	MkIIIserv_RecNumber	Recording number in local storage for cur count	100	I	I	Recording Number						1	0	9
14	Vibration	MkIIIserv_RemainingTime	Remaining time for local storage	s	100	I	Remaining Time						1	0	11
14	Vibration	MkIIIserv_RecDuration	Recording duration	s	100	I	Recording Duration						1	0	13
14	Vibration	MkIIIserv_ErrorNumber	Error number - See MBBM manual for ref -	100	I	I	Error Number						1	0	19