

**Parameter Source:
Diffractometer**

Date: Wednesday, December 10, 2014 6:13 PM

System Parameters:

Name	Value
TaskExecutionSetup	18
RequiredAxes	0
DisplayAxes	63
ExternalSyncFrequency	20
SoftwareExternalFaultInput	0

/Calibration	
Name	Value
CalibrationFile1D	
CalibrationFile2D	

/Communication/ASCII	
Name	Value
CommandSetup	65540
CommandTerminatingCharacter	10
CommandSuccessCharacter	37
CommandInvalidCharacter	33
CommandFaultCharacter	35
CommandTimeout	10000
CommandTimeoutCharacter	36

/Communication/Ethernet Sockets	
Name	Value
Socket2RemoteIPAddress	0
Socket2Port	8000
Socket2Setup	1
Socket2TransmissionSize	0
Socket3RemoteIPAddress	0
Socket3Port	8001
Socket3Setup	1
Socket3TransmissionSize	0
Socket2Timeout	2147483647
Socket3Timeout	2147483647

/Communication/GPIB	
Name	Value
GpibTerminatingCharacter	10
GpibPrimaryAddress	1
GpibParallelResponse	1

/Communication/Modbus Master	
Name	Value
ModbusMasterSlaveIPAddress	0
ModbusMasterSlavePort	502
ModbusMasterSlaveID	0
ModbusMasterInputWords	0
ModbusMasterOutputWords	0
ModbusMasterInputBits	0
ModbusMasterOutputBits	0
ModbusMasterSetup	0
ModbusMasterVirtualInputs	0
ModbusMasterVirtualOutputs	0
ModbusMasterOutputWordsSections	0
ModbusMasterOutputBitsSections	0
ModbusMasterRWReadOffset	0
ModbusMasterInputWordsOffset	0
ModbusMasterOutputWordsOffset	0
ModbusMasterInputBitsOffset	0
ModbusMasterOutputBitsOffset	0
ModbusMasterStatusWordsOffset	0
ModbusMasterStatusBitsOffset	0
ModbusMasterVirtualInputsOffset	0
ModbusMasterVirtualOutputsOffset	0
ModbusMasterRWWriteOffset	0
ModbusMasterFunctions	12139

/Communication/Modbus Slave	
Name	Value

/Communication/Modbus Slave

Name	Value
ModbusMasterSlaveType	0
ModbusSlaveUnitID	1
ModbusSlaveInputWords	0
ModbusSlaveOutputWords	0
ModbusSlaveInputBits	0
ModbusSlaveOutputBits	0
ModbusSlaveInputWordsOffset	0
ModbusSlaveOutputWordsOffset	0
ModbusSlaveInputBitsOffset	0
ModbusSlaveOutputBitsOffset	0
ModbusSlaveRWReadOffset	0
ModbusSlaveRWWriteOffset	0

/Communication/RS-232

Name	Value
SerialPort0XonCharacter	26
SerialPort0XoffCharacter	27
SerialPort0BaudRate	9600
SerialPort0Setup	3
SerialPort1XonCharacter	26
SerialPort1XoffCharacter	27
SerialPort1BaudRate	9600
SerialPort1Setup	3

/Joystick

Name	Value
JoystickInput1MinVoltage	0
JoystickInput1MaxVoltage	5
JoystickInput1Deadband	0.1
JoystickInput0MinVoltage	0
JoystickInput0MaxVoltage	5
JoystickInput0Deadband	0.1
JoystickSetup	0

/Memory Allocation

Name	Value
DataCollectionPoints	8000
PrintBufferSize	256
GlobalIntegers	256
GlobalDoubles	4096
GlobalStrings	32

/User

Name	Value
UserInteger0	0
UserInteger1	0
UserDouble0	0
UserDouble1	0
UserString0	OK: Timer period is 0.024 s.
UserString1	

Axis Parameters:

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
AxisType	0	0	0	0	0	0
RolloverCounts	0	0	0	0	0	0
GantryMasterAxis	-1	-1	-1	-1	-1	-1
BacklashDistance	0	0	0	0	0	0
GantrySetup	0	0	0	0	0	0
RolloverMode	0	0	0	0	0	0
AxisName	X	Y	Z	PHI	PumpA	PumpB

/Autofocus Loop						
Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
AutofocusInput	0	0	0	0	0	0
AutofocusTarget	0	0	0	0	0	0
AutofocusDeadband	0	0	0	0	0	0
AutofocusGainKi	0	0	0	0	0	0
AutofocusGainKp	0	0	0	0	0	0
AutofocusLimitLow	0	0	0	0	0	0
AutofocusLimitHigh	0	0	0	0	0	0
AutofocusSpeedClamp	0	0	0	0	0	0
AutofocusHoldInput	-1	-1	-1	-1	-1	-1
AutofocusSetup	0	0	0	0	0	0
AutofocusInitialRampTime	0	0	0	0	0	0
AutofocusGainKi2	0	0	0	0	0	0

/Current Loop						
Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
AmplifierDeadtime	3	3	3	3	3	3
CurrentGainKi	11000	11000	11000	11000	11000	11000
CurrentGainKp	37000	37000	37000	37000	37000	37000
CurrentOffsetA	0	0	0	0	0	0
CurrentOffsetB	0	0	0	0	0	0

/Dynamic Controls Toolbox/Threshold Gain Scheduling						
Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
ThresholdScheduleSetup	0	0	0	0	0	0
ThresholdRegion2High	0	0	7	0	0	0
ThresholdRegion2Low	0	0	7	0	0	0
ThresholdRegion3GainKpos	0	0	100	0	0	0
ThresholdRegion3GainKp	0	0	180000	0	0	0
ThresholdRegion3GainKi	0	0	10000	0	0	0
ThresholdRegion3GainKpi	0	0	0	0	0	0
ThresholdRegion4High	0	0	0	0	0	0
ThresholdRegion4Low	0	0	0	0	0	0
ThresholdRegion5GainKpos	0	0	100	0	0	0
ThresholdRegion5GainKp	0	0	180000	0	0	0
ThresholdRegion5GainKi	0	0	0	0	0	0
ThresholdRegion5GainKpi	0	0	0	0	0	0

/Dynamic Controls Toolbox/Dynamic Gain Scheduling						
Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
DynamicScheduleSetup	0	0	0	0	0	0
DynamicGainKposScale	1	1	1	1	1	1
DynamicGainKpScale	1	1	1	1	1	1
DynamicGainKiScale	1	1	1	1	1	1

/Dynamic Controls Toolbox/Harmonic Cancellation						
Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
HarmonicCancellation0Type	0	0	1	0	0	0
HarmonicCancellation0Period	0	0	6600	0	0	0
HarmonicCancellation0Gain	0	0	0.1	0	0	0
HarmonicCancellation0Phase	0	0	0	0	0	0
HarmonicCancellation1Type	0	0	0	0	0	0
HarmonicCancellation1Period	0	0	0	0	0	0
HarmonicCancellation1Gain	0	0	0	0	0	0

/Dynamic Controls Toolbox/Harmonic Cancellation

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
HarmonicCancellation1Phase	0	0	0	0	0	0
HarmonicCancellation2Type	0	0	0	0	0	0
HarmonicCancellation2Period	0	0	0	0	0	0
HarmonicCancellation2Gain	0	0	0	0	0	0
HarmonicCancellation2Phase	0	0	0	0	0	0
HarmonicCancellation3Type	0	0	0	0	0	0
HarmonicCancellation3Period	0	0	0	0	0	0
HarmonicCancellation3Gain	0	0	0	0	0	0
HarmonicCancellation3Phase	0	0	0	0	0	0
HarmonicCancellation4Type	0	0	0	0	0	0
HarmonicCancellation4Period	0	0	0	0	0	0
HarmonicCancellation4Gain	0	0	0	0	0	0
HarmonicCancellation4Phase	0	0	0	0	0	0
HarmonicCancellationSetup	0	0	0	0	0	0

/Dynamic Controls Toolbox/Command Shaping

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB
CommandShaperSetup	0	0	0	0	0	0
CommandShaperTime00	0	0	0	0	0	0
CommandShaperTime01	0	0	0.0086	0	0	0
CommandShaperTime02	0	0	0.0172	0	0	0
CommandShaperTime03	0	0	0	0	0	0
CommandShaperTime04	0	0	0	0	0	0
CommandShaperTime05	0	0	0	0	0	0
CommandShaperTime06	0	0	0	0	0	0
CommandShaperTime07	0	0	0	0	0	0
CommandShaperTime08	0	0	0	0	0	0
CommandShaperTime09	0	0	0	0	0	0
CommandShaperTime10	0	0	0	0	0	0
CommandShaperTime11	0	0	0	0	0	0
CommandShaperTime12	0	0	0	0	0	0
CommandShaperTime13	0	0	0	0	0	0
CommandShaperTime14	0	0	0	0	0	0
CommandShaperTime15	0	0	0	0	0	0
CommandShaperCoeff00	0	0	0.26595261348777666	0	0	0
CommandShaperCoeff01	0	0	0.49950664708403236	0	0	0
CommandShaperCoeff02	0	0	0.23454073942819098	0	0	0
CommandShaperCoeff03	0	0	0	0	0	0
CommandShaperCoeff04	0	0	0	0	0	0
CommandShaperCoeff05	0	0	0	0	0	0
CommandShaperCoeff06	0	0	0	0	0	0
CommandShaperCoeff07	0	0	0	0	0	0
CommandShaperCoeff08	0	0	0	0	0	0
CommandShaperCoeff09	0	0	0	0	0	0
CommandShaperCoeff10	0	0	0	0	0	0
CommandShaperCoeff11	0	0	0	0	0	0
CommandShaperCoeff12	0	0	0	0	0	0
CommandShaperCoeff13	0	0	0	0	0	0
CommandShaperCoeff14	0	0	0	0	0	0
CommandShaperCoeff15	0	0	0	0	0	0
CommandShaper0Type	0	0	1	0	0	0
CommandShaper0Frequency	25	25	58	25	25	25
CommandShaper0Damping	0.10000000000000002	0.10000000000000002	0.02	0.10000000000000002	0.10000000000000002	0.10000
CommandShaper1Type	0	0	0	0	0	0
CommandShaper1Frequency	25	25	25	25	25	25
CommandShaper1Damping	0.10000000000000002	0.10000000000000002	0.1	0.10000000000000002	0.10000000000000002	0.10000

/Enhanced Throughput Module

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
EnhancedThroughputChannel	0	0	0	0	0	0
EnhancedThroughputGain	0	0	0	0	0	0
EnhancedThroughputCurrentClamp	0.5	0.5	0.5	0.5	0.5	0.5

/Fault

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
FaultMask	9833470	9833470	9833470	9701887	9701887	9701887
FaultMaskDisable	10357699	10357699	10357699	10357699	10357699	10357699
FaultMaskDecel	18222142	18222142	18222142	18222142	18222142	18222142

/Fault						
Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
FaultMaskDisableDelay	0	0	0	0	0	0
FaultAbortAxes	3	3	3	3	3	3
FaultSetup	34	34	34	34	34	34

/Fault/Inputs						
Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
ESTOPFaultInput	-2	-2	-2	-2	-2	-2
ExternalFaultDigitalInput	-1	-1	-1	-1	-1	-1
ExternalFaultAnalogInput	-1	-1	-1	-1	-1	-1

/Fault/Outputs						
Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
FaultMaskOutput	0	0	0	0	0	0
FaultOutputSetup	0	0	0	0	0	0
FaultOutputState	0	0	0	0	0	0

/Fault/Thresholds						
Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
PositionErrorThreshold	0.25	0.25	0.25	0.25	0.25	0.25
AverageCurrentThreshold	2.93742013	2.93742013	2.93742013	2.93742013	2.93742013	2.93742013
AverageCurrentTime	4000	4000	4000	4000	4000	4000
VelocityCommandThreshold	220	220	220	720.000000000000011	720.000000000000011	720.000000000000011
VelocityErrorThreshold	10	10	10	10	10	10
ExternalFaultThreshold	0	0	0	0	0	0
MarkerSearchThreshold	0	0	0	0	0	0
VelocityCommandThresholdBeforeHome	30	30	30	30	30	30

/Feedback						
Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
PositionFeedbackType	1	1	1	0	0	0
PositionFeedbackChannel	0	0	0	0	0	0
VelocityFeedbackType	0	0	0	0	0	0
VelocityFeedbackChannel	0	0	0	0	0	0
FeedbackSetup	1536	1536	1536	0	0	0
ExternalVelocityAverageTime	1	1	1	1	1	1

/Feedback/EnDat Encoder						
Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
EnDatEncoderSetup	3	3	3	3	3	3
EnDatEncoderResolution	13	13	13	13	13	13
EnDatEncoderTurns	1	1	1	1	1	1
EnDatEncoderIncrementalResolution	512	512	512	512	512	512

/Feedback/Multiplier						
Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
EncoderMultiplicationFactor	20000	20000	20000	20000	20000	20000
EncoderSineGain	150	150	150	150	150	150
EncoderSineOffset	0	0	0	0	0	0
EncoderCosineGain	150	150	150	150	150	150
EncoderCosineOffset	0	0	0	0	0	0
EncoderPhase	128	128	128	128	128	128
EmulatedQuadratureDivider	1	1	1	1	1	1
EncoderMultiplierSetup	3	3	3	3	3	3
EmulatedQuadratureChannel	0	0	0	0	0	0

/Feedback/Resolute Encoder						
Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
ResoluteEncoderSetup	1	1	1	1	1	1
ResoluteEncoderResolution	32	32	32	32	32	32

/Feedback/Resolute Encoder

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
ResoluteEncoderUserResolution	32	32	32	32	32	32

/Feedback/Resolver

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
ResolverReferenceGain	0	0	0	0	0	0
ResolverSetup	0	0	0	0	0	0
ResolverReferencePhase	90	90	90	90	90	90
ResolverCoarseChannel	0	0	0	0	0	0
ResolverFeedbackRatio	0	0	0	0	0	0
ResolverFeedbackOffset	0	0	0	0	0	0

/I/O

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
IOSetup	0	4	4	4	4	4
EncoderDivider	0	0	0	0	0	0
SSINet1Setup	1	1	1	1	1	1
SSINet2Setup	1	1	1	1	1	1

/I/O/Analog Filters

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
Analog0Filter0CoeffN0	0.00145885686	0.00145885686	0.00145885686	0.00145885686	0.00145885686	0.00145885686
Analog0Filter0CoeffN1	0.00291771372	0.00291771372	0.00291771372	0.00291771372	0.00291771372	0.00291771372
Analog0Filter0CoeffN2	0.00145885686	0.00145885686	0.00145885686	0.00145885686	0.00145885686	0.00145885686
Analog0Filter0CoeffD1	-1.88909	-1.88909	-1.88909	-1.88909	-1.88909	-1.88909
Analog0Filter0CoeffD2	0.8949254	0.8949254	0.8949254	0.8949254	0.8949254	0.8949254
Analog0Filter1CoeffN0	1	1	1	1	1	1
Analog0Filter1CoeffN1	0	0	0	0	0	0
Analog0Filter1CoeffN2	0	0	0	0	0	0
Analog0Filter1CoeffD1	0	0	0	0	0	0
Analog0Filter1CoeffD2	0	0	0	0	0	0
Analog1Filter0CoeffN0	0.00145885686	0.00145885686	0.00145885686	0.00145885686	0.00145885686	0.00145885686
Analog1Filter0CoeffN1	0.00291771372	0.00291771372	0.00291771372	0.00291771372	0.00291771372	0.00291771372
Analog1Filter0CoeffN2	0.00145885686	0.00145885686	0.00145885686	0.00145885686	0.00145885686	0.00145885686
Analog1Filter0CoeffD1	-1.88909	-1.88909	-1.88909	-1.88909	-1.88909	-1.88909
Analog1Filter0CoeffD2	0.8949254	0.8949254	0.8949254	0.8949254	0.8949254	0.8949254
Analog1Filter1CoeffN0	1	1	1	1	1	1
Analog1Filter1CoeffN1	0	0	0	0	0	0
Analog1Filter1CoeffN2	0	0	0	0	0	0
Analog1Filter1CoeffD1	0	0	0	0	0	0
Analog1Filter1CoeffD2	0	0	0	0	0	0
AnalogFilterSetup	85	85	85	85	85	85

/I/O/Brake

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
EnableBrakeControl	0	0	0	0	0	0
BrakeOutput	-1	-1	-1	-1	-1	-1
BrakeDisableDelay	0	0	0	0	0	0
BrakeEnableDelay	0	0	0	0	0	0

/Limits

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
SoftwareLimitLow	-80.1	-80.1	-80.1	-80.1	-80.1	-80.1
SoftwareLimitHigh	80.1	80.1	80.1	80.1	80.1	80.1
LimitDecelDistance	4.5	4.5	4.5	4.5	4.5	4.5
LimitDebounceTime	100	100	100	100	100	100
EndOfTravelLimitSetup	6	6	6	0	0	0
LimitDebounceDistance	1	1	1	1	1	1
SoftwareLimitSetup	1	1	1	1	1	1

/Motion

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
ReverseMotionDirection	0	0	0	0	0	0

/Motion

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
MaxJogDistance	2	2	2	360.00000000000006	90	90
DefaultSpeed	250	250	250	720.00000000000011	90	90
DefaultRampRate	4000	7000	14000	8000	8000	8000
AbortDecelRate	1000	1000	40000	8000	8000	8000
MaxJogSpeed	200	200	200	720.00000000000011	90	90
JoystickLowSpeed	6.1226666666666762	6.1226666666666771	6.1226666666666771	6.1226666666666771	6.1226666666666771	6.12266666666667
JoystickHighSpeed	13.120000000000012	13.120000000000012	13.120000000000012	13.120000000000001	13.120000000000001	13.12000000000000
DefaultRampMode	0	0	0	0	0	0
DefaultRampTime	100	100	100	100	0.01	100
DefaultRampDistance	5	5	5	5	5	5

/Motion/Gear/Cam

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
GearCamSource	1	1	1	1	1	1
GearCamIndex	0	0	0	0	0	0
GearCamScaleFactor	1	1	1	1	1	1
GearCamAnalogDeadband	0.05	0.05	0.05	0.05	0.05	0.05

/Motion/Home

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
HomeType	1	1	1	1	1	1
HomeSetup	0	0	0	0	0	0
HomeSpeed	25.4	25.4	25.4	25.4	25.4	25.4
HomeOffset	0	0	0	0	0	0
HomeRampRate	2000	2000	2000	254	254	254
HomePositionSet	0	0	0	0	0	0

/Motion/In Position

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
InPositionDistance	4.999999999999979E-06	4.999999999999979E-06	4.999999999999979E-06	4.999999999999996E-06	4.999999999999996E-06	4.999999999999996E-06
InPositionTime	0	0	0	0	0	0
InPosition2Distance	0.01	0.01	0.01	0.00999999999999985	0.00999999999999985	0.00999999999999985
InPosition2Time	0	0	0	0	0	0

/Motor

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
MaxCurrentClamp	5	5	5	5	5	5
MotorType	0	0	0	3	3	3
CyclesPerRev	1	1	1	50	50	50
CountsPerRev	13200	13200	13200	200	200	200
CommutationOffset	10	10	10	0	0	0
AutoMsetTime	1000	1000	1000	1000	1000	1000
AutoMsetCurrent	1	1	1	1	1	1

/Motor/Stepper

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
StepperResolution	0	0	0	200	200	200
StepperRunningCurrent	0	0	0	0.8	2	2
StepperHoldingCurrent	0	0	0	0.1	0.5	0.1
StepperVerificationSpeed	0	0	0	0	0	0
StepperRunningCurrentDelay	500	500	500	500	12	500

/Servo Loop

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
ServoRate	2	2	5	2	2	2
ServoSetup	5	5	5	5	5	5

/Servo Loop/Amp Protection

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)

/Servo Loop/Amp Protection

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
LinearAmpMaxPower	200	200	200	200	200	200
LinearAmpDeratingFactor	1.52	1.52	1.52	1.52	1.52	1.52
LinearAmpBusVoltage	24	24	24	24	24	24
MotorResistance	5.2	5.2	5.2	5.2	5.2	5.2
MotorBackEMFConstant	4.8	4.8	4.8	4.8	4.8	4.8

/Servo Loop/Gains

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
GainKpos	10	237	100	86.1	86.1	86.1
GainKi	5630	4200	10000	12.13	12.13	12.13
GainKp	100000	237000	1780000	577.2	577.2	577.2
GainVff	750	562	2371	0	0	0
GainAff	316000	237000	56200	752.1	752.1	752.1
GainKv	1	1	1	1	1	1
GainKpi	0	0	0	0	0	0
StaticFrictionCompensation	0	0	0	0	0	0
GainPff	0	0	0	0	0	0
GainKd1	0	0	0	0	0	0
GainKp1	0	0	0	0	0	0

/Servo Loop/Filters

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
ServoFilter0CoeffN0	0.226154	0.226154	0.226154	0.226154	0.226154	0.226154
ServoFilter0CoeffN1	0.452307	0.452307	0.452307	0.452307	0.452307	0.452307
ServoFilter0CoeffN2	0.226154	0.226154	0.226154	0.226154	0.226154	0.226154
ServoFilter0CoeffD1	-0.280946	-0.280946	-0.280946	-0.280946	-0.280946	-0.280946
ServoFilter0CoeffD2	0.185561	0.185561	0.185561	0.185561	0.185561	0.185561
ServoFilter1CoeffN0	1	1	1	1	1	1
ServoFilter1CoeffN1	0	0	0	0	0	0
ServoFilter1CoeffN2	0	0	0	0	0	0
ServoFilter1CoeffD1	0	0	0	0	0	0
ServoFilter1CoeffD2	0	0	0	0	0	0
ServoFilter2CoeffN0	1	1	1	1	1	1
ServoFilter2CoeffN1	0	0	0	0	0	0
ServoFilter2CoeffN2	0	0	0	0	0	0
ServoFilter2CoeffD1	0	0	0	0	0	0
ServoFilter2CoeffD2	0	0	0	0	0	0
ServoFilter3CoeffN0	1	1	1	1	1	1
ServoFilter3CoeffN1	0	0	0	0	0	0
ServoFilter3CoeffN2	0	0	0	0	0	0
ServoFilter3CoeffD1	0	0	0	0	0	0
ServoFilter3CoeffD2	0	0	0	0	0	0
ServoFilterSetup	1	1	1	1	1	1
ServoFilter4CoeffN0	1	1	1	1	1	1
ServoFilter4CoeffN1	0	0	0	0	0	0
ServoFilter4CoeffN2	0	0	0	0	0	0
ServoFilter4CoeffD1	0	0	0	0	0	0
ServoFilter4CoeffD2	0	0	0	0	0	0
ServoFilter5CoeffN0	1	1	1	1	1	1
ServoFilter5CoeffN1	0	0	0	0	0	0
ServoFilter5CoeffN2	0	0	0	0	0	0
ServoFilter5CoeffD1	0	0	0	0	0	0
ServoFilter5CoeffD2	0	0	0	0	0	0
ServoFilter6CoeffN0	1	1	1	1	1	1
ServoFilter6CoeffN1	0	0	0	0	0	0
ServoFilter6CoeffN2	0	0	0	0	0	0
ServoFilter6CoeffD1	0	0	0	0	0	0
ServoFilter6CoeffD2	0	0	0	0	0	0
ServoFilter7CoeffN0	1	1	1	1	1	1
ServoFilter7CoeffN1	0	0	0	0	0	0
ServoFilter7CoeffN2	0	0	0	0	0	0
ServoFilter7CoeffD1	0	0	0	0	0	0
ServoFilter7CoeffD2	0	0	0	0	0	0

/Units

Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
CountsPerUnit	1000	1000	1000	0.5555555555555558	0.5555555555555558	0.5555555555555558
DecimalPlaces	6	6	6	6	6	6

/Units						
Name	Value					
	X (0)	Y (1)	Z (2)	PHI (3)	PumpA (4)	PumpB (5)
UnitsName	mm	mm	mm	deg	deg	deg

Task Parameters:

Name	Value					
	Task 0	Task 1	Task 2	Task 3	Task 4	Task 5
AutoRunProgram						
TaskErrorAbortAxes	1023	1023	1023	1023	1023	1023
TaskTerminationAxes	1023	1023	1023	1023	1023	1023
TaskStopAbortAxes	0	0	0	0	0	0

/Memory Allocation

Name	Value					
	Task 0	Task 1	Task 2	Task 3	Task 4	Task 5
CodeSize	4096	16384	4096	4096	4096	4096
DataSize	512	8192	512	512	512	512
StackSize	256	256	256	256	256	256

/Motion

Name	Value					
	Task 0	Task 1	Task 2	Task 3	Task 4	Task 5
DefaultWaitMode	1	1	1	1	1	1
DefaultSCurve	50	50	50	50	50	50
DefaultCoordinatedSpeed	250	250	50	50	50	50
DefaultCoordinatedRampRate	1000	1000	500	500	500	500
DefaultDependentCoordinatedRampRate	200	200	3600	3600	3600	3600
DefaultCoordinatedRampMode	0	0	0	0	0	0
DefaultCoordinatedRampTime	100	100	0.5	0.5	0.5	0.5
DefaultCoordinatedRampDistance	5	5	5	5	5	5
DefaultDependentCoordinatedSpeed	7	7	360	360	360	360