	Vision			Harvester	Pasco		Climber	Mitch		Shooter	Michael		Drive	
Ins/Outs														
	in=	out=		in=	out=		in=	out=		in=	out=		in=	out=
	enable vision(bool)	x,y coord(double)		elevation setpoint (double)	Angle (-1,1)		Initiate Deploy (bool)	Current Extension Position (-1,		Enable Indexer (boolean)	Wheel Speed(2x) (-1,		left joy(-1,1)	right
	camera settings(cluster	Aspect Ratio(array)		Position (pot, analog, double)	Roller 1 (-1,1)		Rotation (Pot, analog, doubl	Current Rotation Position (-1,1		Target Array (double, array)	Angle (-1,1)		right joy(-1,1)	left pwm
	feed(refnum)			Roller System 1 (-1,1)	Roller 2 (-1,1)		Limit Switch (Bool)(	Light (bool)		Driver Input (-1,1)	Indexer (-1,1)		low gear, high gear(bool)	right servo
				Roller System 2 (-1,1)	Current Angle Setpoint (nun		Initiate Fold-up (Bool)			Vision Tracking Enabled (bool)				left servo
				Driver Input (-1,1)	Light on (bool)		Driver Input (-1,1)			Elevation Setpoint (numeric)				
				2x Limit Switch (bool)	Enable Shoot (boolean		Extension (Pot, analog, doul			Position (Pot)				
				Photo- Elec (bool)										
Motor Control														
	Light (camera lock/ pick			Conveyor System 1			Extension PTO			Shooter Wheel 1			Right Drive	
	Light (pyramid sensing)			Conveyor System 2			Deploy - 775			Shooter Wheel 2			Left Drive	
				Lifter						Kicker window			Shifting	
				Frisbee Release						Elevation window				
Sensors														
	Camera (2x)			PE sensor			POT (Extension)			Encoder(2x)(shooter)			Encoder (2x)(Drive Shafts)	
				POT (Rotation) 1T			POT (Pivot)			Pot (Rotation)			Encoder (2x)(Mouse Wheel)	
				Limit (2x)			Limit Switch							
Control Methods														
				Driver/automated intake			Extension Setpoints			PID-shooter Wheels			Already Done	
				Rotation			Rotation Setpoints			Rotation setpoints				
							Pyramid Detecting by bool			Vision Targeting				
										Driver Controlled Kicker				
Variables														
	Vision			Harvestor			Climber			Shooter				
	IN			IN			IN			IN				
	VisEnable	Bool		HarvPOTElev	Sensor, Double	AI2	ClimbDepEnable	Bool		ShootIndexerEnable	Driver Button, boolea	TBM		
	VisSetting	Cluster					ClimbFoldEnable	Bool		ShootTrackEnable	Driver Button, boolea	TBM		
	VisRefnum	Refnum		HarvConst1Elev	Contstant, Double		ClimbExtEnable	Bool						
				HarvConst2Elev	Contstant, Double		ClimbRetEnable	Bool		ShootTargetInfo	Cluster			
				HarvConst3Elev	Contstant, Double					ShootPOTElev	Sensor, Double	AI 3		
				HarvConst4Ele	Contstant, Double		ClimbPOTExt	Sensor, Double	AI 4					
							ClimbPOTDep	Sensor, Double	AI 5	ShootConst1Elev	Constant, Double			
				HarvSetElev	Driver Button Int	TBM				ShootConst2Elev	Constant, Double			
				HarvRollerFDesSpd	Driver Joystick double	TBM	ClimbManualExt	Driver Joystick double	TBM	ShootConst3Elev	Constant, Double			
				HarvRollerBDesSpd	Driver Joystick double	TBM	ClimbManualRot	Driver Joystick double	TBM					
				HarvManualElev	Driver Joystick double	TBM				ShootManualElev	Driver Joystick double	TBM		
							ClimbLimit	Bool		ShootSetElev	Driver Button, boolea	TBM		
				HarvLimitLow	Sensor Bool	DIO6								
				HarvLimitHigh	Sensor Bool	DIO7	ClimbConstElevExtend	Constant		ShootManualRoller	Driver Joystick double	TBM		
				HarvPE	Sensor Bool	DIO5	ClimbConstElevRetract	Constant						
							ClimbConstDep	Constant						
	OUT			OUT			ClimbConstFold	Constant		OUT				
	VisTargetArray	Array		HarvOutElev	Motor Control, Double	DS 1 PWM				ShootOutWheelF	Motor Control, Double	DS 1 PWM 9		
				HarvOutRollerF	Motor Control, Double	DS 1 PWM	OUT			ShootOutWheelB	Motor Control, Double	DS 1 PWM 1		
				HarvOutRollerB	Motor Control, Double	DS 1 PWM	ClimbOutDep	Motor Control, Double	DS 2 PWM	ShootOutElev	Motor Control, Double	DS 2 PWM 2		
				HarvLight	Relay Control, Bool	Relay 1	ClimbOutExt	Motor Control, Double	PTO	ShootOutIndexer	Motor Control, Double	DS 2 PWM 1		
				HarvShootEnable	Bool		ClimbLight	Relay Control, Bool	Relay 2	ShootOutRoller	Motor Control, Double			