

Gas Shed			
cRIO Channels			
cRIO Module	Channel	Signal	Comment
<i>NI9207 Analog Input</i>	AI0	DC - Mix Tank 1 Pressure	R1- 3 Supply Mix Tank Pressure 0-10V
	AI1	DC - Mix Tank 2 Pressure	R2 Supply Mix Tank Pressure 0-10V
	AI2	DC - CO2 Pressure	0-10V
	AI3	LTCC - TT2042	LN2 Temp Probe
	AI4	LTCC - TT2045	Higher Condenser Temp Probe
	AI5	LTCC - MFM2012	C4F10 Supply Flow Meter
	AI6	DC - R1-2 Return Flow	R1- 2 Return Flow MFM
	AI7		
	AI8	LTCC - PT2050	Condensate Vent Pressure
	AI9	DC - DC Supply O2	DC Supply from Gas Shed Oxi Iq
	AI10	DC - R1-2 Return O2	DC 1-2 O2 from Hall Oxy Iq
	AI11	DC - R3 Return O2	DC 3 Return O2 From Hall Oxy Iq
	AI12	LTCC - Buffer Tank Pressure	
	AI13	LTCC - Pump Output Pressure	
	AI14	LTCC - HSB2010	C4F10 Humidity to Purifier
AI15	LTCC - C4F10 Moisture		
<i>NI9870</i>			
<i>NI9485 Digital Output</i>	DO_0	Relay 1	LTCC Return Pump 1
	DO_1	Relay 2	LTCC Return Pump 2
	DO_2	Relay 3	Purifier System Pump (B2004)
	DO_3	LTCC - SVB2012	Purifier Solenoid Valve
	DO_4	LTCC - SVB2016	Purifier Solenoid Valve
	DO_5	LTCC - SVB2046	Purifier Solenoid Valve
	DO_6	LTCC - SVB2048	Purifier Solenoid Valve
	DO_7	LTCC - SVB2050	Purifier Solenoid Valve
<i>NI9215 Analog Input</i>	AI_0	DC - Mix 1 TCU	TCU Output 0-10V from Omega
	AI_1	DC - Mix 2 TCU	TCU Output 0-10V from Omega
	AI_2	DC - R1-2 Manifold Pressure	0 to 100 psi
	AI_3	DC - R3 Manifold Pressure	0 to 100 psi
<i>NI9219 Unv. Input</i>	CH0	DC - CO2 Supply 1	
	CH1	DC - CO2 Supply 2	
	CH2		
	CH3	Gas Shed Temp	RTD between Mix 1 and 2
<i>NI9219 Unv. Input</i>	CH0	DC - Supply H2O	Easidew Sensor Output (4-20mA)
	CH1	DC - R1-2 Return H2O	Easidew Sensor Output (4-20mA)
	CH2	DC - R3 Return H2O	Easidew Sensor Output (4-20mA)
	CH3		
<i>NI9423 Digital Input</i>	DI_0	Relay Status 1	LTCC Return Pump Relay Status
	DI_1	Relay Status 2	LTCC Return Pump Relay Status
	DI_2	Relay Status 3	Purifier System Pump Relay Status
	DI_3		
	DI_4		
	DI_5		
	DI_6		
	DI_7		
<i>NI9210 Analog Input</i>	AI_0	LTCC - TT2043	LN2 Exhaust Temp (Redundant)
	AI_1	LTCC - TT2044	Purifier System Temperature
	AI_2		
	AI_3		