

# RIO I/O ASSIGNMENTS

INPUTS				OUTPUTS			
LABEL	SIGNAL NAME	FUNCTION	PIN #	LABEL	SIGNAL NAME	FUNCTION	PIN #
DI0	<u>DEWAR CONN0</u>	DEWAR CONNECTED TO CHANNEL 0	7	DO0	CH0 STATUS	STATUS ON = OK, FLASH = PROBLEM	44
DI1	<u>DEWAR CONN1</u>	DEWAR CONNECTED TO CHANNEL 1	22	DO1	CH1 STATUS	STATUS ON = OK, FLASH = PROBLEM	14
DI2	<u>DEWAR CONN2</u>	DEWAR CONNECTED TO CHANNEL 2	36	DO2	CH2 STATUS	STATUS ON = OK, FLASH = PROBLEM	29
DI3	<u>DEWAR CONN3</u>	DEWAR CONNECTED TO CHANNEL 3	6	DO3	CH3 STATUS	STATUS ON = OK, FLASH = PROBLEM	43
DI4	<u>DEWAR CONN4</u>	DEWAR CONNECTED TO CHANNEL 4	21	DO4	CH4 STATUS	STATUS ON = OK, FLASH = PROBLEM	13
DI5	<u>DEWAR CONN5</u>	DEWAR CONNECTED TO CHANNEL 5	35	DO5	CH5 STATUS	STATUS ON = OK, FLASH = PROBLEM	28
DI6	<u>DEWAR CONN6</u>	DEWAR CONNECTED TO CHANNEL 6	5	DO6	CH6 STATUS	STATUS ON = OK, FLASH = PROBLEM	42
DI7	<u>DEWAR CONN7</u>	DEWAR CONNECTED TO CHANNEL 7	20	DO7	CH7 STATUS	STATUS ON = OK, FLASH = PROBLEM	12
DI8	<u>SEL0</u>	SELECT SWITCH BIT 0	33	DO8	<u>I'M ALIVE</u>	RIO STATUS: FLASHING = OK	26
DI9	<u>SEL1</u>	SELECT SWITCH BIT 1	3	DO9	<u>ALARM</u>	TURN ON SONALERT	40
DI10	<u>SEL2</u>	SELECT SWITCH BIT 2	18	DO10	<u>ALRM_IN2_LED</u>	ALARM INPUT INDICATOR YELLOW LED	10
DI11	<u>SHOW_TEMP</u>	SHOW SELECTED CHANNEL PUSHBUTTON	32	DO11	-	-	25
DI12	<u>RESET</u>	RESET PUSHBUTTON	2	DO12	<u>ALRM_IN3_LED</u>	ALARM INPUT INDICATOR RED LED	39
DI13	<u>AUX0</u>	AUX INPUT 0	17	DO13	-	-	9
DI14	<u>AUX1</u>	AUX INPUT 1	31	DO14	<u>ALRM_IN1_LED</u>	ALARM INPUT INDICATOR GREEN LED	24
DI15	<u>ION_OK</u>	ION PUMPS OK	1	DO15	-	-	38
AI0	TEMP0	TEMPERATURE DIODE 0 SIGNAL	23	A00	TEMP_OUT	TEMPERATURE READOUT	18
AI1	TEMP1	TEMPERATURE DIODE 1 SIGNAL	5	A01	-	-	26
AI2	TEMP2	TEMPERATURE DIODE 2 SIGNAL	14	A02	-	-	8
AI3	TEMP3	TEMPERATURE DIODE 3 SIGNAL	22	A03	-	-	17
AI4	TEMP4	TEMPERATURE DIODE 4 SIGNAL	4	A04	-	-	25
AI5	TEMP5	TEMPERATURE DIODE 5 SIGNAL	13	A05	-	-	7
AI6	TEMP6	TEMPERATURE DIODE 6 SIGNAL	21	A06	-	-	16
AI7	TEMP7	TEMPERATURE DIODE 7 SIGNAL	3	A07	-	-	24

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REVISIONS [http://loel.ucolick.org/manual/DMS/schematics/DMS\\_in\\_out\\_sh\\_1 .pdf](http://loel.ucolick.org/manual/DMS/schematics/DMS_in_out_sh_1.pdf)  
 07-15-11 ADDED ALARM INPUT INDICATOR LED OUTPUTS 1,2, & 3 AT BITS 14, 10, & 12. NOT USED AT THIS POINT EXCEPT THAT THEY GO ON AND OFF WHEN RESET BUTTON IS PUSHED

UNIVERSITY OF CALIFORNIA LICK OBSERVATORY		DEWAR MONITOR SYSTEM I/O ASSIGNMENTS	
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