NOAO

ENGINEERING CHANGE ORDER

BOARD NAME	TORRENT Mezzanine Board			ECO#	**TRNT-027**	DATE	10/26/11
BRD SERL#	007 > ALL REV A	REV	A	ART#	TRNT-EL-07-0003-007 >		
PN#		REV				REV	
ASBLY#	TRNT-EL-04-0001	REV	A1	PCB#	TRNT-EL-04-1003	REV	A
BOM#	TRNT-EL-04-4003	REV	A3	SCH#	TRNT-EL-04-2003	REV	A1
COGNIZANT ENGNR	Peter Moore			CHARGE#			

REASON FOR MODIFICATION:

Allow high voltage power supply control under low temperature conditions. Under low temperature conditions the LT4356 devices show excessive leakage current on pin 1 which drives the TMR pin to a level above 1.25v where turn on of the high voltage supply is inhibited. The values measured are 5.5v on pin 1 with leakage measured at approx. 17ua. Under these conditions pin 9 pullup current is also weakened considerably.

DRAWINGS AFFECTED:	NEW REV
TRNT-EL-04-2003	A2
TRNT-EL-04-4003	A3

DESCRIPTION OF MODIFICATION:

1. Add a 30.0K Ohm resistor in parallel with C27 and C28, R101, R136 respectively
2. Add a 100K Ohm resistor between pins U3:8 to U3:9 and U6:8 TO U6:9, R137 and R138 respectively