Automatic Geophysical Observatories

Power System Update
April 2013
Acknowledgment

• The work presented here was supported by the National Science Foundation Office of Polar Programs. We gratefully acknowledge NSF grant ANT-0840158 that supports AGO field operations on the Antarctic plateau. We further thank the AGO field team and SPA and MCM support teams for their excellent work which has resulted in the successful operation of the observatories.

• Web Site: antarcticgeospace.org
Yearly Temperature Climatology for South Pole

Jan 1st - Dec 31st

Temperature (°C)
THIS SCORCHING OCCURRED BEFORE DEC. 2011
VREG SOLDER JOINTS FIXED & REINSTALLED 05 DEC 2011 BY AMS
36 Volt 60 Ampere Zener (Shunt) Regulator

- 4 diodes: 5.6V 1W each
- 1 diode: 6.8V 1W
- 2 resistors: 1K 1W each
- 1 resistor: 10K 1W
- 1 resistor: 10K 1W
- 1 resistor: 10K 1W
- 1 inverter: 1W
- 1 inverter: 1W
- 1 diode: 1V@5A
- 1 diode: 1V@5A
- 1 inverter: 5.5V
- 1 fuse: 15A
- 1 IGBT: 1200V 400A 750W
- 1 resistance: 0.2Ω
32 Volt 200 to 250 Watt Zener (Shunt) Regulator
Thank you for listening