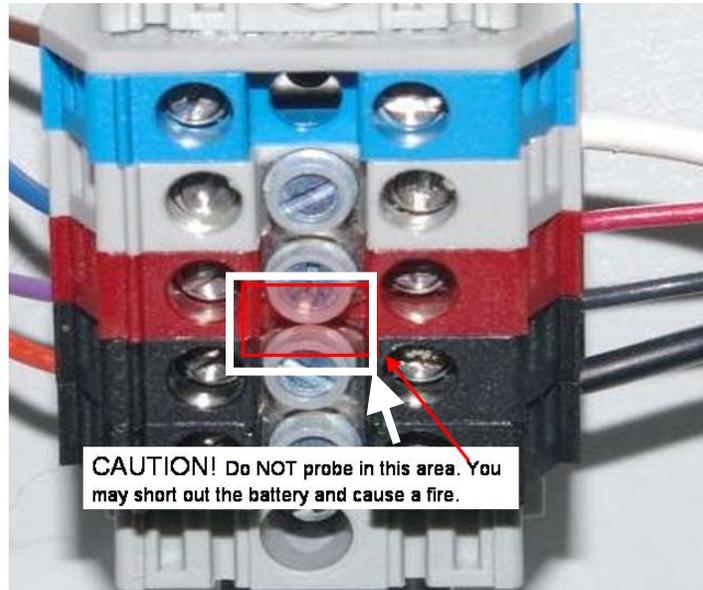


**FPR-D Assembly Procedures:** *Change Page- Please insert immediately before Page 56 of the Oct 28, 2009; and the Aug 25, 2009, versions of FPR Assembly Procedures.*

**19. Check Solar Charging of Battery:** *(At Observer's Site)*

**Caution!** Please probe the screws used to clamp the wires. Do Not probe the center screws, particularly the area shown to the right.

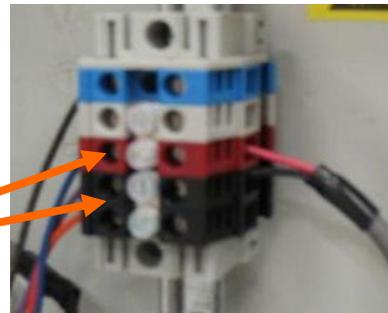


- 19.1 Ensure the solar panel you mounted in Section 17 is receiving full sun. The panel is generating 12V and should be reaching the junction box inside the Precip Recorder.
- 19.2 Open the latches of the Precip Recorder and disconnect the white wire of solar cable from the terminal block.

19.3 Measure the voltage between the white wire and the black wire of the solar cable. In full sun it should be above 14V.

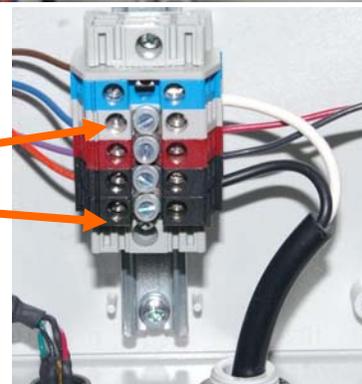
19.4 Measure the battery voltage across the red and black terminal blocks. A fully charged battery should be around 12.6V.

Touch multi meter probes here.



19.5 Now reconnect the white wire from the solar panel to the white terminal block and again measure the voltage coming from the solar panel – it should now equal the battery voltage.

Touch multi meter probes here.



19.6 If it was higher than the battery voltage when un-connected and drops to battery voltage when connected, then the solar panel is providing current to the battery.