

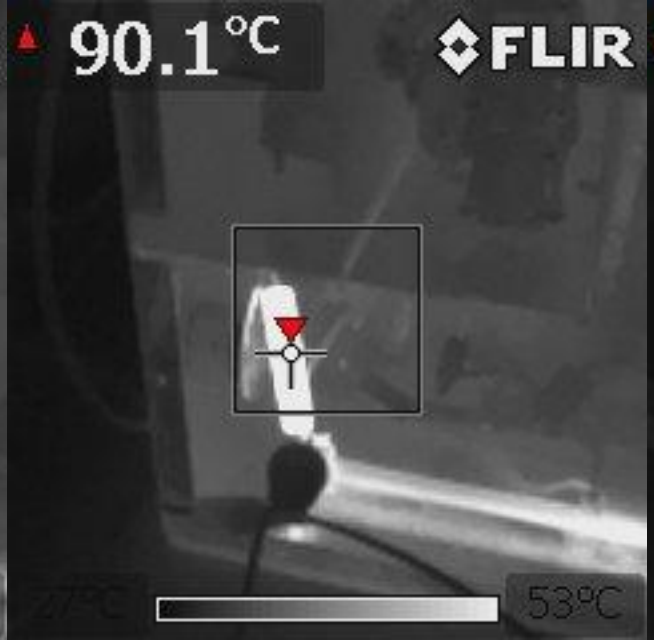
W8UM SX-28 Restoration Project

SUMMARY OF THERMAL SURVEY FINDINGS OF 1.12.2017

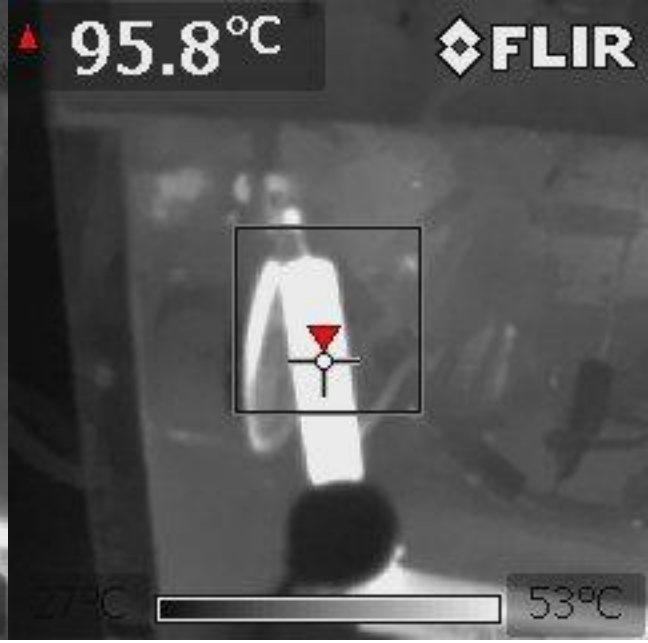
U. Balis (N4IYL)



At full mains voltage, when the AGC is engaged, the S-Meter Plate-limiting resistor current increases substantially.



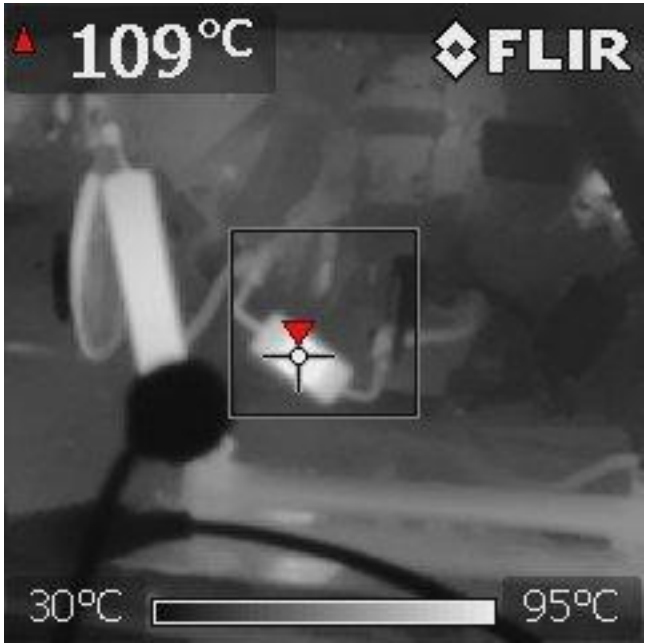
Temperature climbs at 0.5°C/sec



Maximum temperature eventually exceeded 150°C – AGC was disengaged at this point to avoid component damage.

6B8 Plate current quickly rises above specified limits at full mains voltage, when tube is installed.

Removing the tube eliminates the over-current condition.





A thermal survey of the remaining rig demonstrated only three marginally over-current resistors, when the unit was set to operate at full mains voltage.

