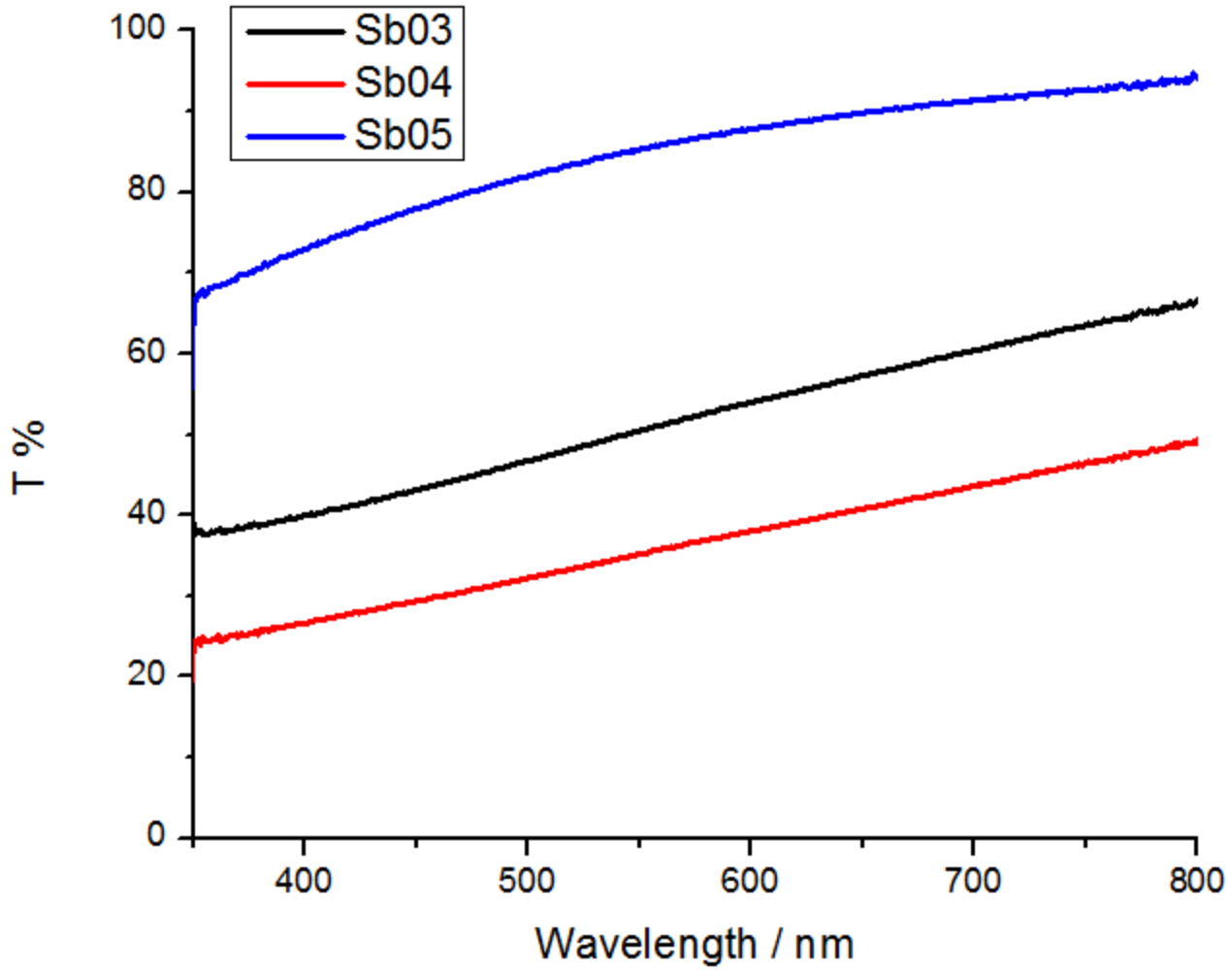
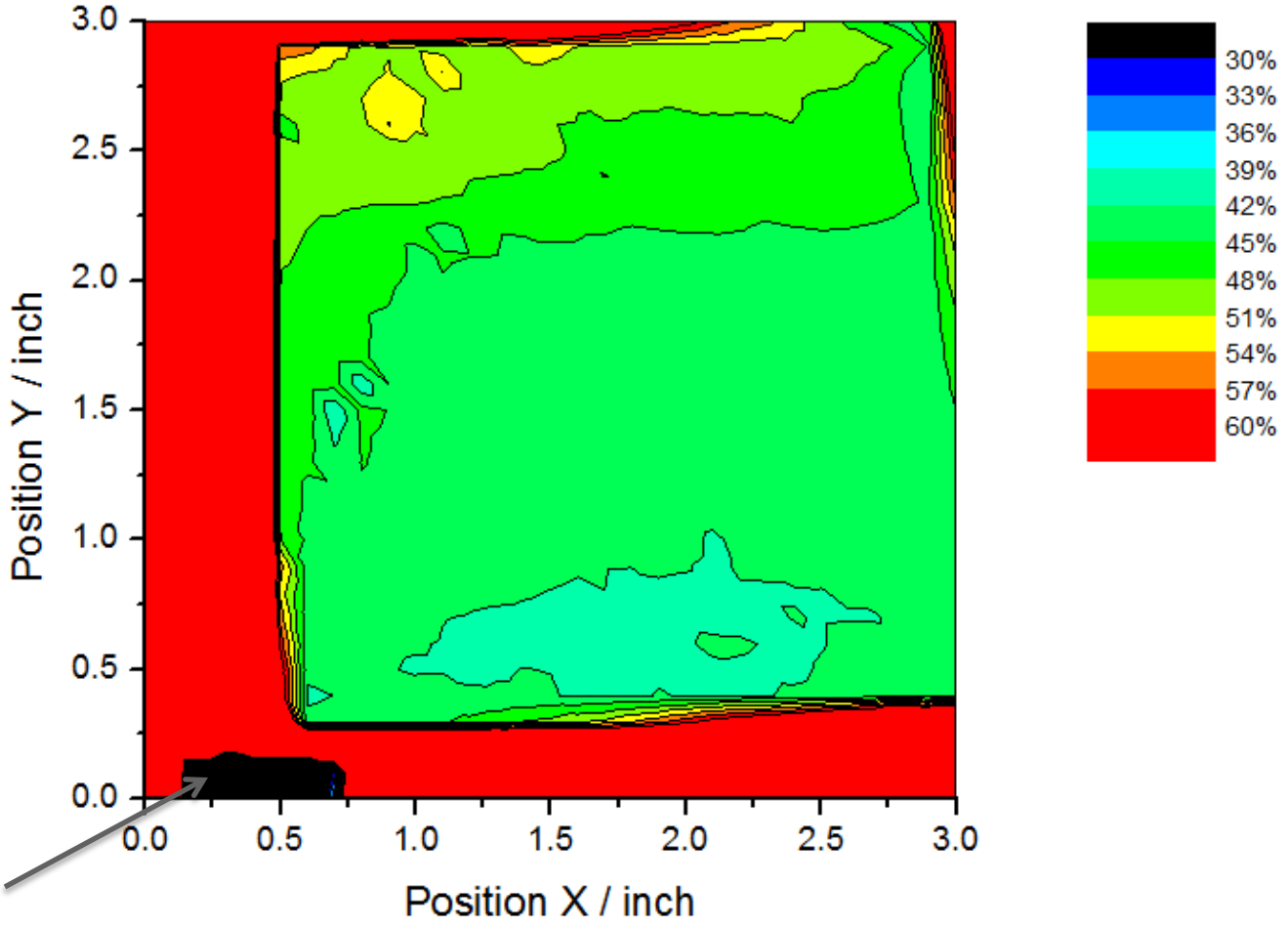
Transmission



Feb-28-2014 Sb03

Transmission (without glass) at 400nm

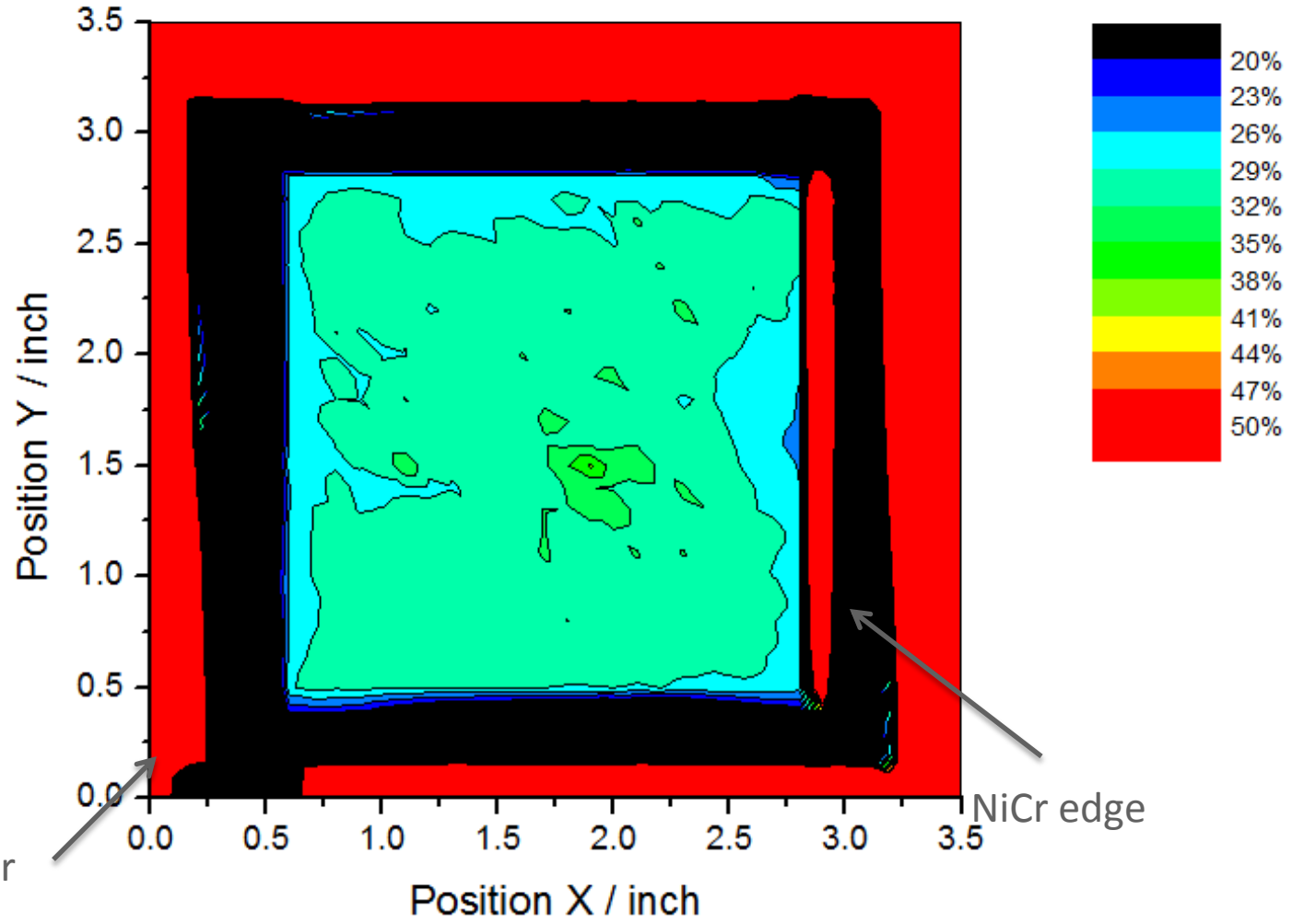


Holder

Transmission ranging between 39%-51%, 12% differance

March-02-2014 Sb04

Transmission (without glass) at 400nm

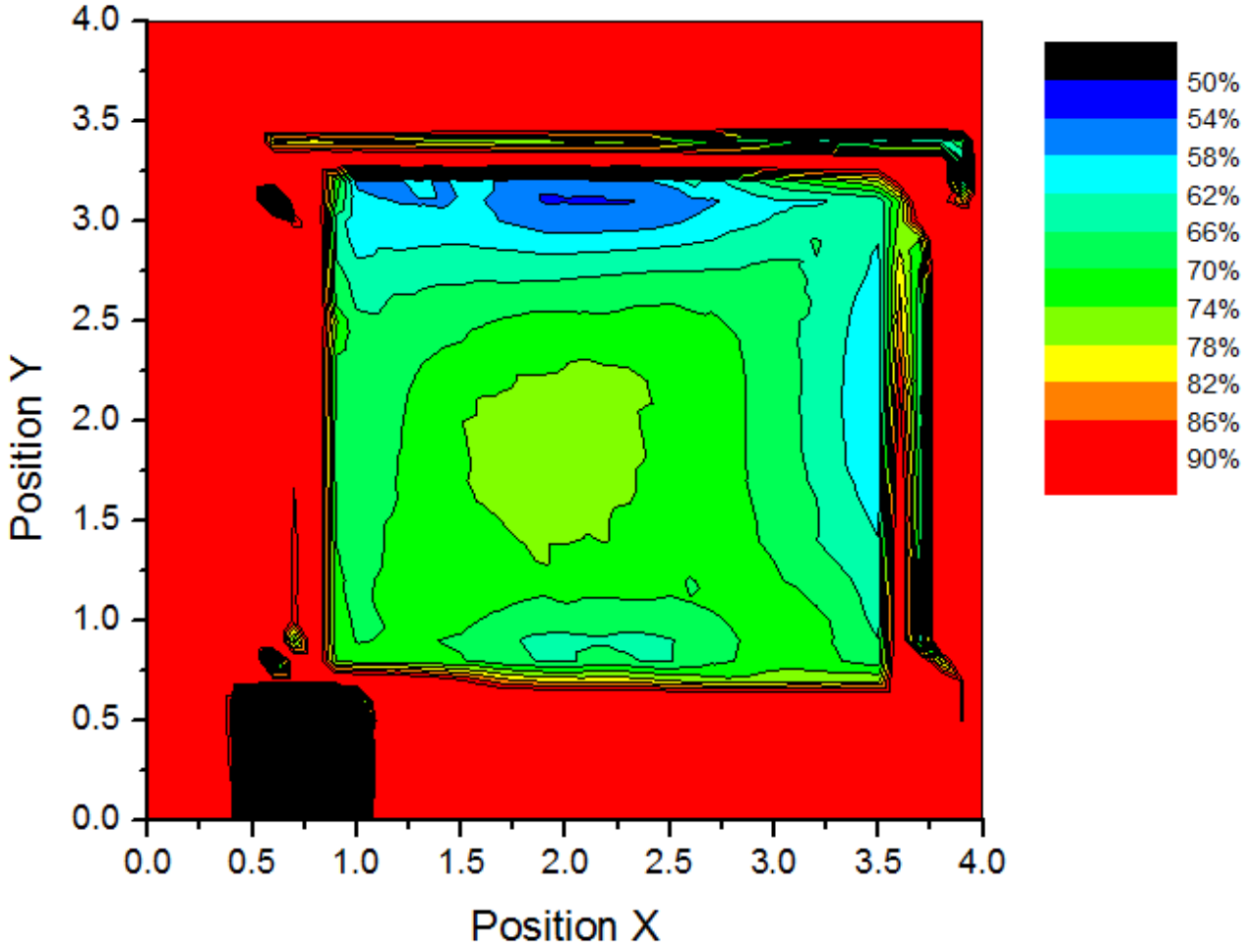


Holder

NiCr edge

Transmission ranging between 26%-35%, 9% differance

March-02-2014 Sb04



Transmission ranging between 78%-62%, 16% differance

Cs-Sb photocathode

2nd Cs-Sb test:

QE: 0.42% average, 1.2% at one spot around center.

Possible reason:

1. No plasma
2. Spots and lines showing on the completed cathode, substrate seems not clean very well

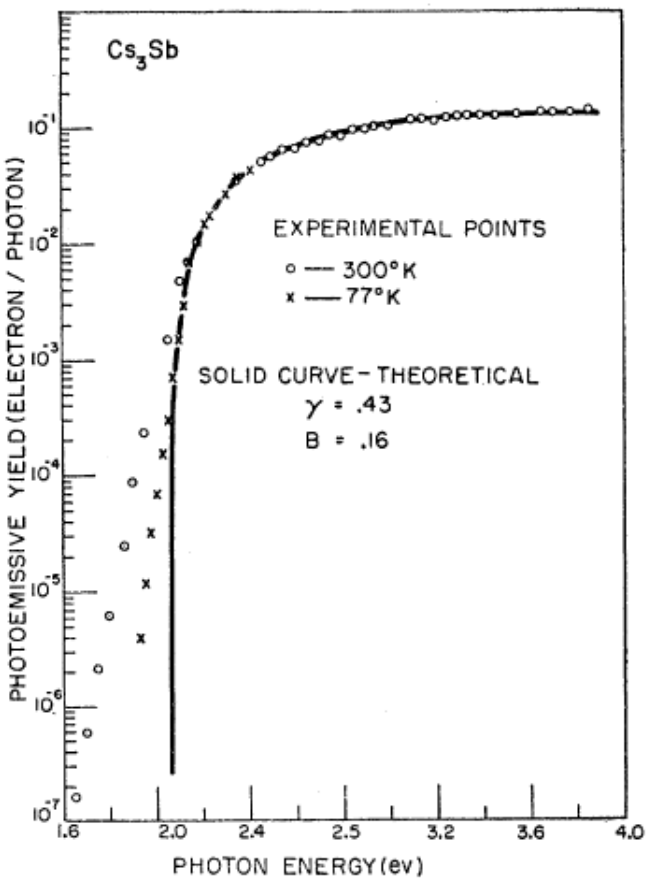


FIG. 8. Photoemission from Cs_3Sb. The points are experimental and the solid curve is theoretical. As with the other materials which showed *p*-type behavior, cooling decreases the photoemission in the threshold region. The room temperature and liquid N_2 temperature points have been fitted vertically. An E_G+E_A value of 2.05 ev is obtained.