

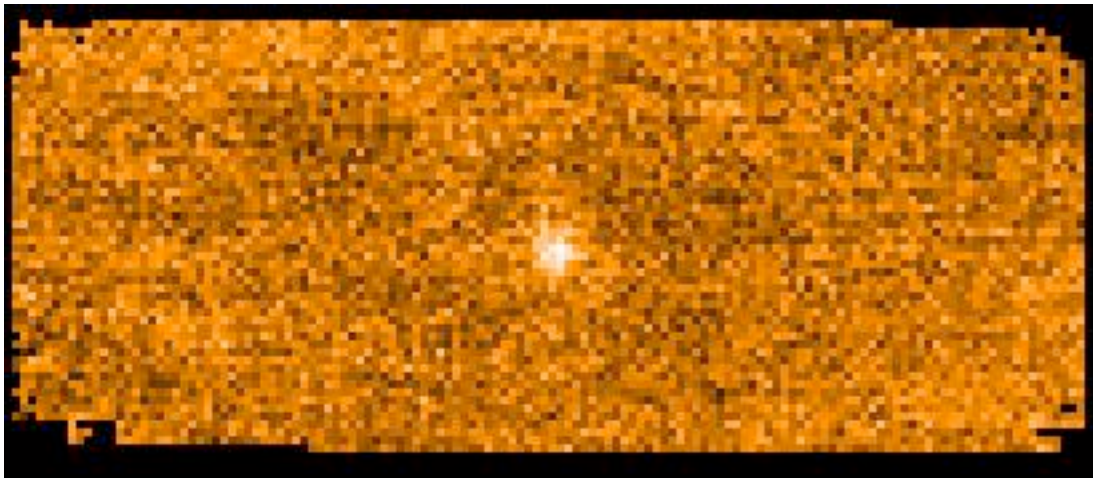
Date: May 16, 2003

To: Tom Phillips  
From: Melanie Leong

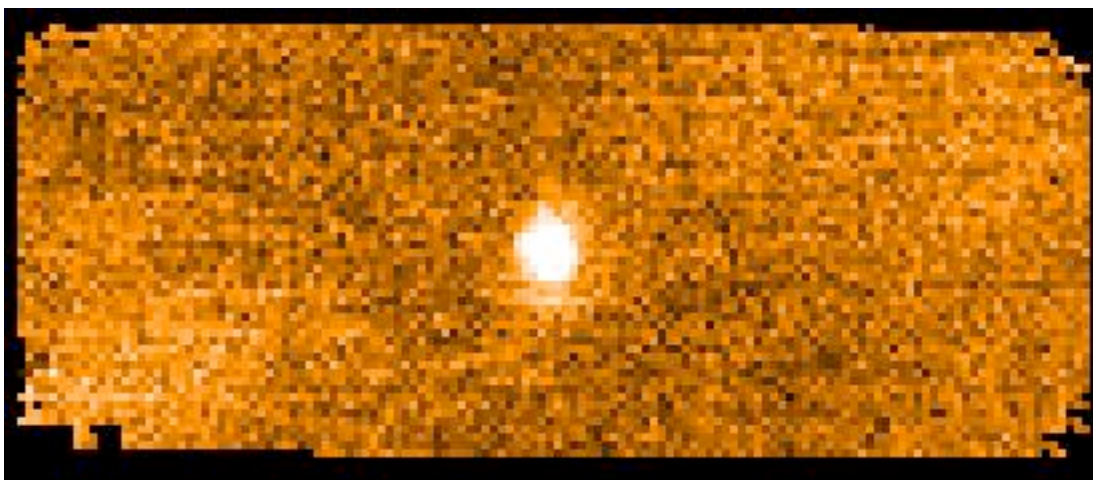
Subject: DSOS April 24, 2003 Results with 70 Activated Toothpick Assemblies

The following 2 pictures are of Callisto, from April 24, 2003 scans by SHARCII. This was taken at large zenith angles, close to the horizon. With 70 activated assemblies, the object's peak signal power increased by 50%.

Surface correction with the DSOS has improved the aperture efficiency of the telescope to an estimated value of 49% at 350 micron.



Picture 1: Callisto. The DSOS is OFF. The zenith angle is 75°.



Picture 2: Callisto. The DSOS is ON. The zenith angle is 73°. (70 Channels)