

The XRS Microcalorimeters Script

Clip from *Building the Coolest X-ray Satellite*

Video

TEXT: THE XRS CALORIMETER
CAROLINE OC
TEXT: CAROLINE KILBOURNE INFO

Audio

CAROLINE: At the very heart of the XRS is the microcalorimeter array. This is a very small detector, but it has unique and powerful capabilities. The final steps of its assembly are done in this laboratory right here. So let's go and see what all the fuss is about.

Video

CLIP OF CAROLINE IN BUNNY SUIT IN LAB SHOWING THE XRS
DETECTOR ARRAY
ANIMATION OF PHOTONS HITTING THE ARRAY.

Audio

CAROLINE: This is the XRS micorcalorimeter array. Essentially it's an array of very tiny thermometers designed to measure the temperature increase when an individual x-ray photon is absorbed.