Westerbrok Telescope (E-VLBI)



**ASTRON Fellowship Summer 2017** 





ESTEC - ESA

LOFAR - Core -Exloo

Effelsberg - 100m Dish! (408MHz survey)

## **PHOENIX**

## Student cubesat Thermal imager targeting the urban heat island effect



Computer, UHF Radio, GF Interface Boar Camera Corr





Over 40 students in the ASU student team contributed over four years from proposal to delivery



The structure was fabricated students at the Brackett Aircraft Co of Kingman Arizona.



Students testing components in the LoCo lab at ASU with advice from faculty mentors.



Software engineer Vivek Chacko and Project Manager Sarah Rogers deliver Phoenix for launch in August 2019



Phoenix is an earth observing thermal camera with a ground resolution of 60m. The goal is to make high cadence observations of urban centers.

## **Experiment to Detect the Global EoR Signature (EDGES)**

