

Array for Microwave Background Anisotropy

Mauna Loa Site

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Introduction

In this poster the construction progress for the Array for Microwave Background Anisotropy (AMiBA) at the Mauna Loa site is described. The ground-breaking ceremony was held in April 2004. On March 23 2006, we have five receivers installed on the platform and get first light with single base line. The pictures show the site progress in past two years, we started from the lava rock field to solid concrete pad, install hexapod mount supporting cone, shelter assembly and installation, dummy ring installation and testing, Platform assembly and installation, and the latest progress – installation of four receivers and instruments on the platform.



13
Platform and interface ring installation
August 4 2005



14
Photogrammetry measurements for the platform deformation verification
September-October 2005



1
Ground-Breaking
April 2004



2
Excavation
April 28 2004



12
Platform and interface ring assembly and installation
August 3 2005



March 6 2006 Four receivers on the platform



3
Concrete pouring
May 15 2004



11
Dummy ring installation and testing for hexapod servo test
February 24 2005



4
Concrete pad finish and ready for hexapod supporting cone installation
October 17 2004



10
Hexapod jackscrew installation
December 1 2004



5
Hexapod supporting cone assembly and installation
October 20 2004



9
Shelter finished
November 30 2004



8
Partly completed shelter
November 11 2004



7
Shelter trusses assembly
November 11 2004



6
Hexapod supporting cone completion
November 5 2004