

MEXART. Interplanetary Scintillation Array in Mexico in the IHY2007

A. Gonzalez-Esparza (1), A. Carrillo (1), E. Andrade (1), S. Jeyakumar (1), R. Perez-Enriquez (1), S. Kurtz (1)

(1) UNAM, Mexico

The Mexican Array Radio Telescope (MEXART) consists of a 64x64 (4096) full wavelength dipole antenna array, operating at 140 MHz, occupying 9,500 square meters (70 m x 140 m) to carry out interplanetary scintillation (IPS) observations. This is a dedicated radio array for IPS observations located in the state of Michoacan (350 km north-west from Mexico City, lat. $19^{\circ} 48'$ N, long. $101^{\circ} 41'$ W and 1964 m above sea level). We report the system testings, radio source measurements and the collaboration plans for the International Heliophysical Year 2007.