

Activities of the IERS Working Group 2 Site Survey and Co-location

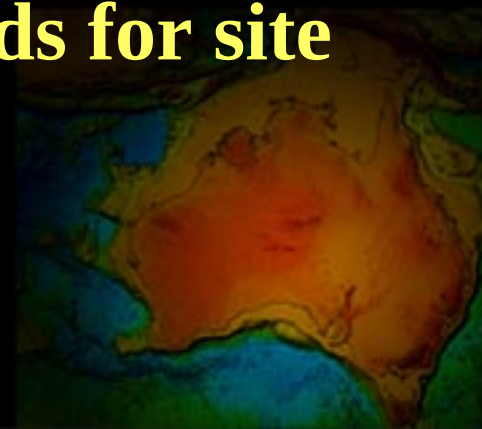
John Dawson, Geoscience Australia
IERS WG 2 Site Survey and Co-location

IERS Combination Pilot Project (CPP) Workshop, Saturday, December 11, 2004



Broad Goals and Objectives of WG 2

- **Develop, test and set standards for site survey**
- **Undertake a Pilot Project on site survey**
 - to provide a basis on which to set standards
 - encourage further site survey activity
- **Develop and maintain standards for the documentation of site surveys**
- **Provide advice and technical support to survey teams, as required, on the IERS standards for site survey**



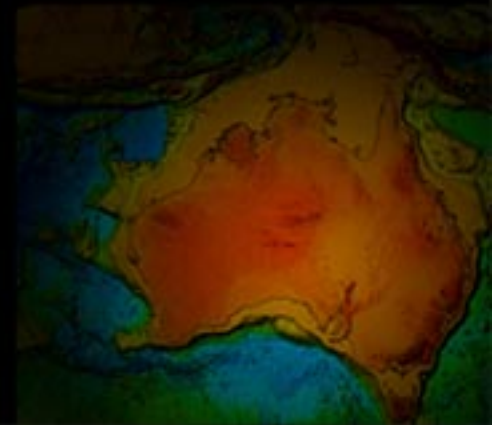
Working Group 2 Action Plan

- **Site Survey and Co-location Pilot Project (SSCPP)**
 - Call for Participation, 23 November, 2004
 - Deadline for response, 17 December, 2004
 - Review of SSCPP -- EGU05, Vienna, April 2005
 - Complete SSCPP -- IAG2005 Cairns, Australia, August, 2005
- **Site survey report format**
 - Draft report format now on WG2 web site
 - <http://www.iers.org/iers/about/wg/wg2/>
- **Site survey standards document**
 - In development
 - Draft standards to be developed in parallel with SSCPP by pilot project participants and others
 - Aim to complete standards document by August 2005



Local Tie Issues

- **Too few survey capable groups (including national survey agencies) interested in local ties**
- **IERS Working Group 2 does not have the resources to solve the local tie problems alone**
 - need a major effort from all organisations, agencies and groups capable of contributing
 - IERS WG2 can only set standards, share expertise and offer support
- **No short term solution**



Local Tie Issues

- **Survey community can make a contribution to finding technique biases, for example**
 - impact of VLBI Antenna deformation
 - quantify site specific GPS antenna biases

