

Combined AFREF, Africa Array, IHY, AMMA-GPS Meeting

Johannesburg, South Africa

19 June 2008

PROGRAMME

1. General Issues Regarding Co-Location of Instrumentation
 - a. Recognition of the Benefits and Limitations of co-locating instrumentation
 - b. Requirements for Sites across applications
 - i. Physical location
 - ii. Power requirements
 - iii. Communications requirements
 - c. Viability or necessity of harmonizing data policies across applications
2. Specific Issues Regarding GPS-based Instrumentation
 - a. Discussion of the unique nature of GPS-based monitoring of the Earth and Environment
 - i. Receiver networks for Geodetic Reference Frames
 - ii. GPS sounding of the Ionosphere
 - iii. GPS-based observations of Atmospheric Water Vapor Content
 - iv. Solid Earth research topics that make use of GPS
 - b. Specific requirements for physical situating of GPS receivers and antennae
 - c. Data requirements for each application
 - i. Typical data file structure and contents
 - ii. Sampling rate requirements
 - d. Feasibility of adopting common approaches that may serve all applications
3. Coordination Mechanisms and Organizations required to achieve goals
 - a. Network co-ordination centre
 - b. Network co-ordinator
 - c. Station standards
 - d. Data standards