VII SIRGAS School on Reference Systems

Santo Domingo, Dominican Republic, November 16 - 17, 2015

Overview

	Monday, November 16th, 2015	Tuesday, November 17th, 2015
07:00-08:30	Registration	
08:30-09:00	**Aperture**	Vertical reference systems
09:00-10:30	Types of coordinates Celestial Reference System and Frame Rotation and tides of the Earth	
10:30-11:00	**Coffee break**	
11:00-12:30	Terrestrial Reference System and Frame Regional Reference Frames	Crustal deformation observation and modelling
12:30-14:00	**Lunch**	
14:00-15:30	GPS positioning: observation equations and error analysis	Ionosphere modelling and analysis
15:30-16:00	**Coffee break**	
16:00-17:30	Adjustment of GPS networks	SIRGAS: definition, realisation, maintenance

Hermann Drewes	Claudio Brunini	Laura Sánchez

Contents

5. Crustal deformation observation and modelling (H. Drewes)
   - 5.1 Earth structure and geodynamic processes
   - 5.2 Plate tectonics and plate kinematics
   - 5.3 Intra-plate and inter-plate crustal deformation
   - 5.4 Monitoring seismic deformations by GNSS

6. Ionosphere modelling and analysis (C. Brunini)
   - 6.1 Structure of the atmosphere
   - 6.2 Models of the ionosphere
   - 6.3 Observation techniques
   - 6.4 Analysis of the ionosphere

7. Reference system and frame for the Americas - SIRGAS (L. Sánchez)
   - 7.1 Definition, realization, purposes
   - 7.2 Organizational issues
   - 7.3 Dissemination and application of SIRGAS products