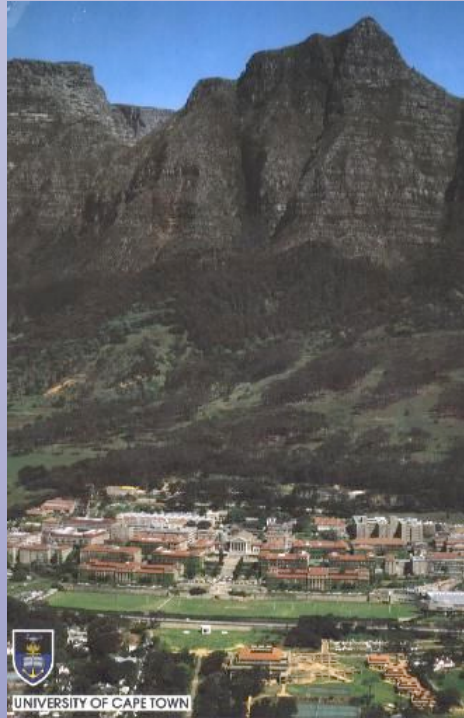


SPACE GEODESY AT UCT



Charles L Merry
Geomatics Division
University of Cape Town



❖ **TEACHING:**

- ◆ 3RD-year part course on GPS applications in Geomatics
- ◆ Honours-level part course in Space Geodesy – GNSS, VLBI, SLR, gravity field modelling
- ◆ Also – satellite remote sensing concepts & applications



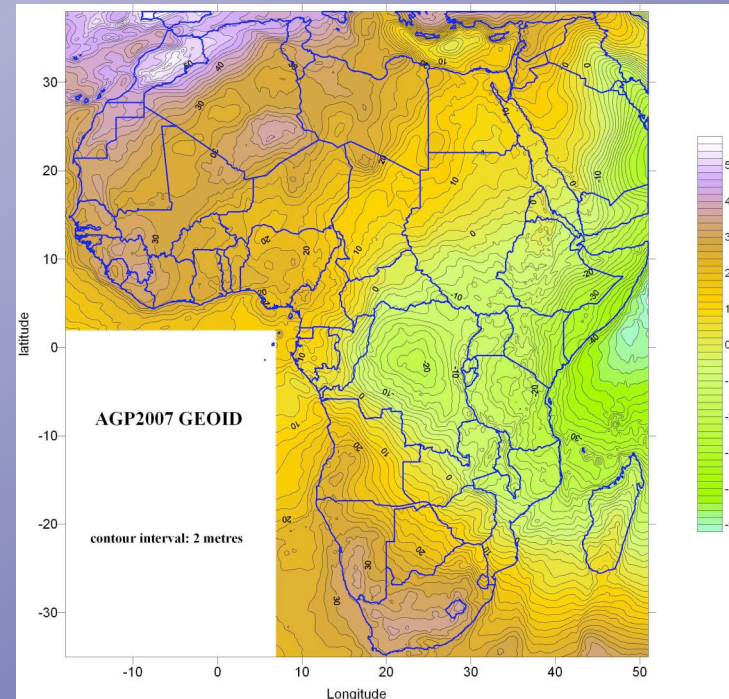
❖ RESEARCH - GNSS:

- ◆ GNSS used as a tool for projects such as:
 - Hydrology of Okavango delta
 - Geo-referencing of satellite imagery and GIS data
 - Surveying of informal settlements
- ◆ Modelling of the troposphere using GPS (with CDSM and HartRAO)
- ◆ Use of GPS to establish datum transformation parameters



❖ RESEARCH - OTHER:

- ◆ CHAMP, GRACE, GOCE gravity field models used in African Geoid Project:



- ◆ Remote sensing data used for:
landscape models for African Heritage Project
environmental management project in Tanzania

