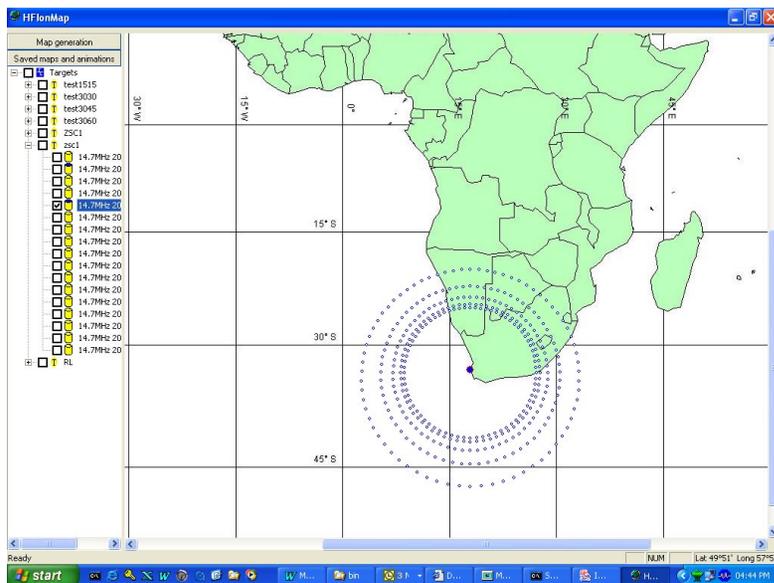
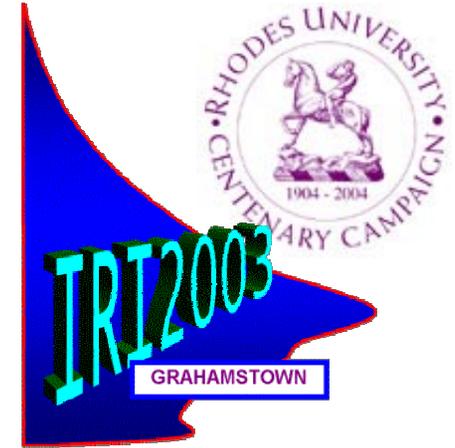


IRI 2003 Workshop held in Grahamstown, South Africa

The International Reference Ionosphere (IRI) 2003 Workshop was held at Rhodes University in Grahamstown, South Africa from October 6 to 10, 2003. D. Bilitza (Raytheon/Code 632) was one of the meeting organizers and presented several talks. The participation of US scientists was supported through a grant from NSF.



Example of HF coverage calculated with IRI for a transmitter located in Cape Town. A GUI developed by a South African company. On the left side different transmitter sites and frequencies can be selected.

Workshop Highlights:

New Models for the F layer peaks, the ion drift, the ion temperature, and the ion transition height

IRI is widely used for HF communications in Southern Africa (frequency predictions and coverage calculations) including for President Mbeki's backup system.

Data analysis of future sea surface salinity missions (Aquarius, SMOS) relies on IRI for eliminating the ionospheric influence on the sensor signal.