



Panel: Observing Infrastructure - Africa

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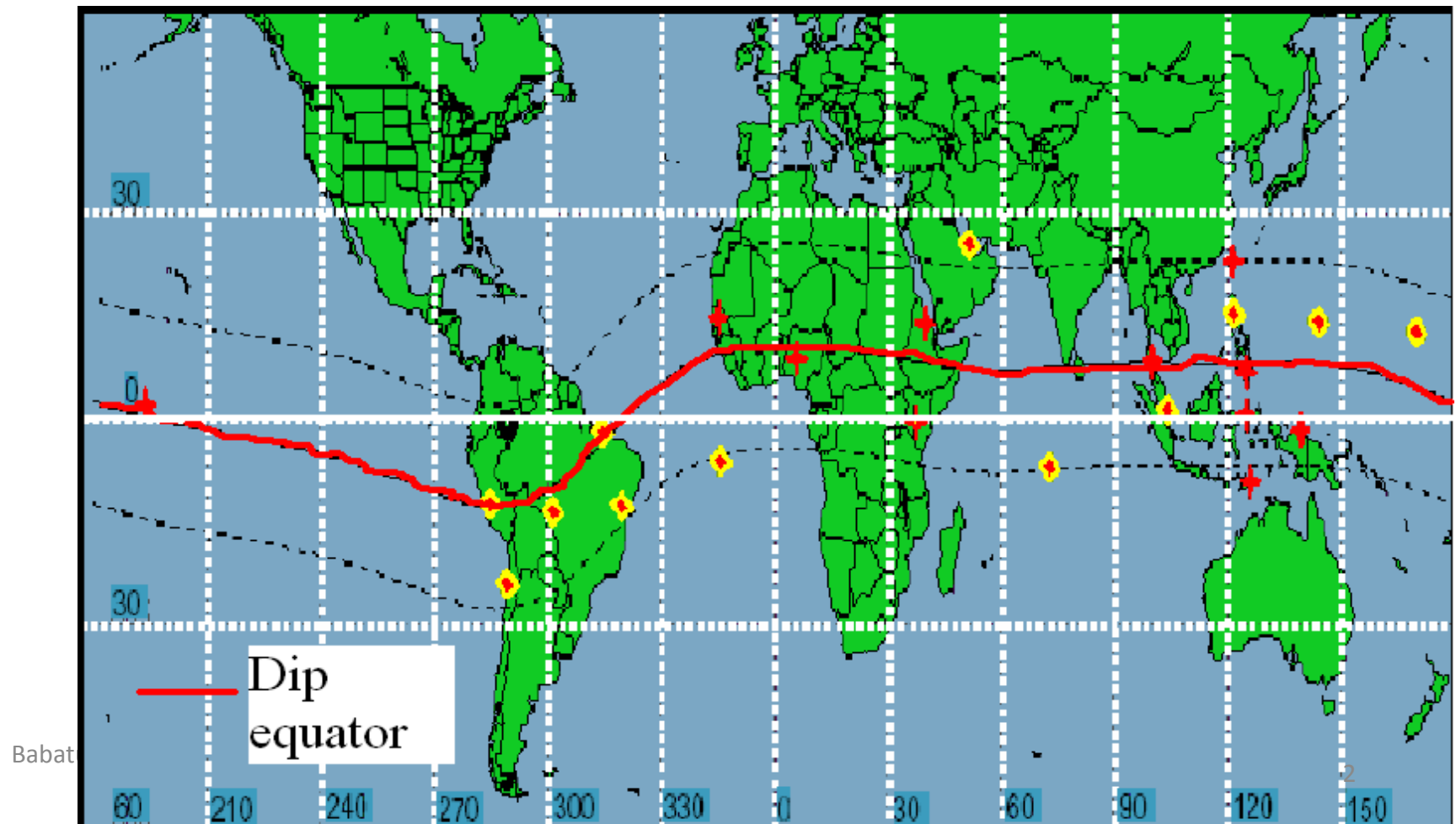
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Uniqueness of SW over Africa

- Broad range of magnetic equator over land
- EIA width can be studied in its full spectrum





Instruments

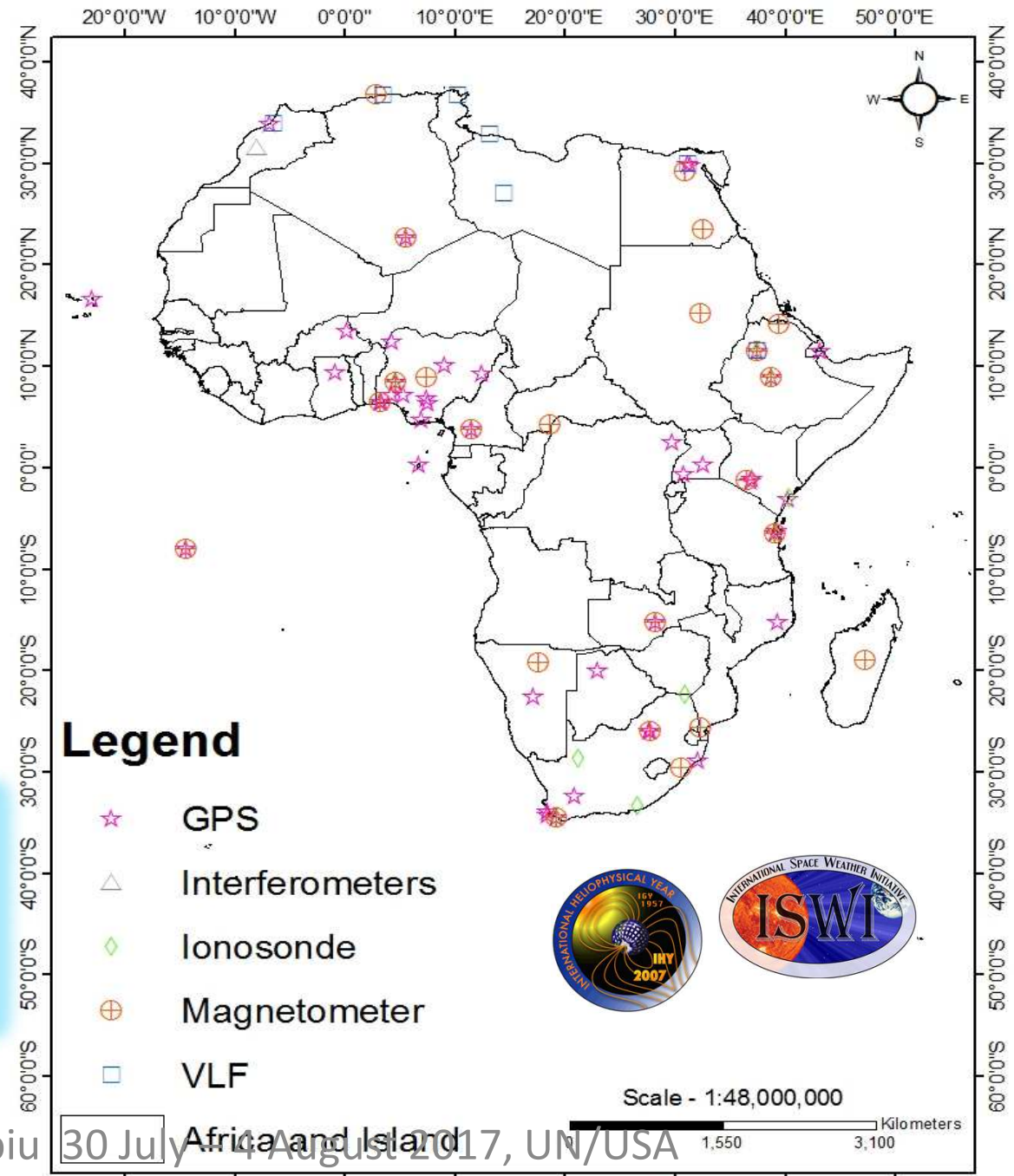
- ✓ over 18 Magnetometers
- ✓ GNSS receivers
- ✓ All sky Optical Imager
- ✓ Fabry Perot Interferometers FPI
- ✓ Ionosonde
- ✓ SID monitors



Status of Space Weather Research facilities

✓ 30.2 million km²

- Mostly foreign intervention
- National Participation



Babatunde Rabiou Africa and Islands 30 July - 4 August 2017, UN/USA

ISWI Workshop, Boston



Space Environment Research Lab, Abuja

- June 2015.
- Optical Imager, FPI, Magnetometers (2), GNSS Space Weather Monitor



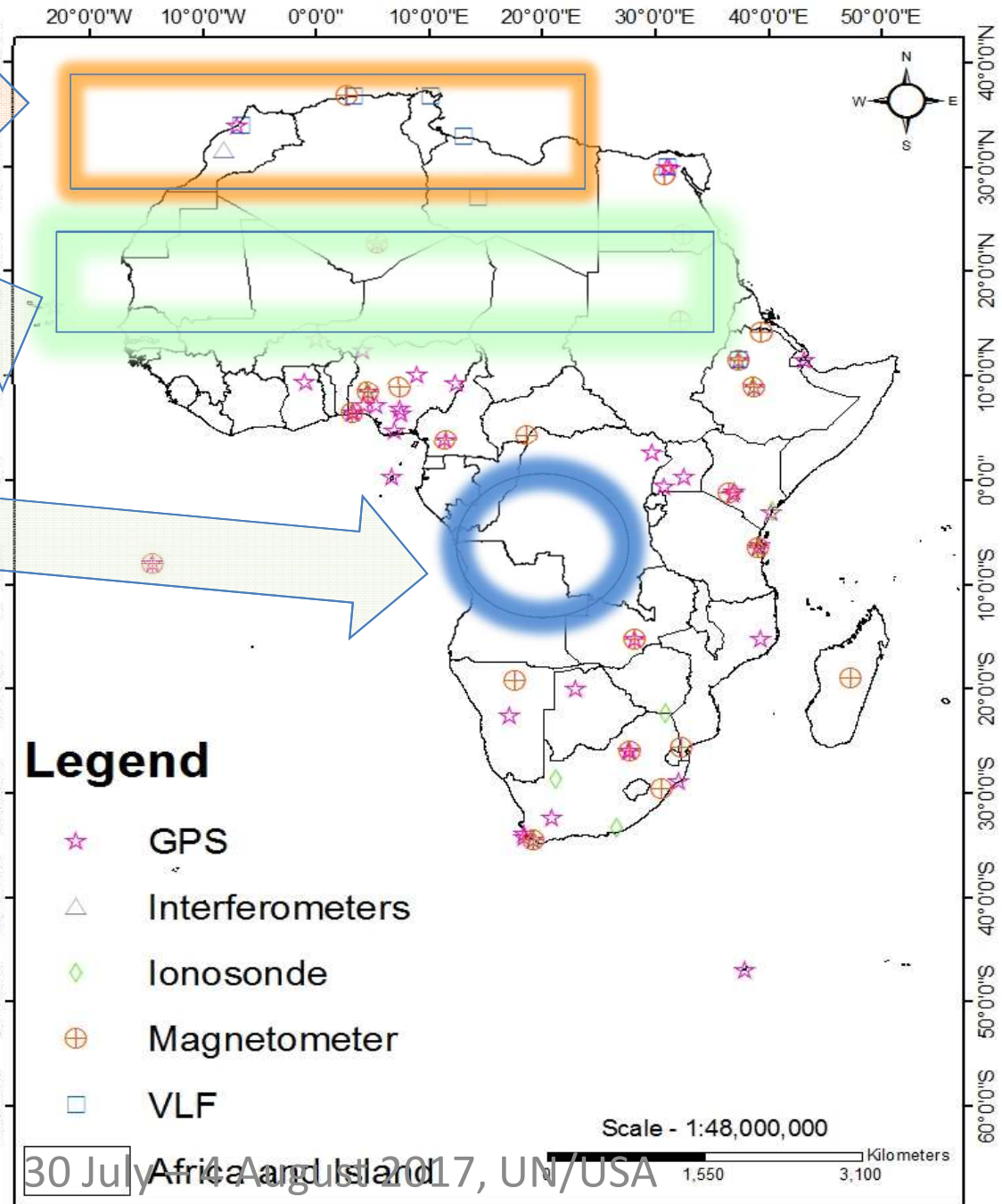
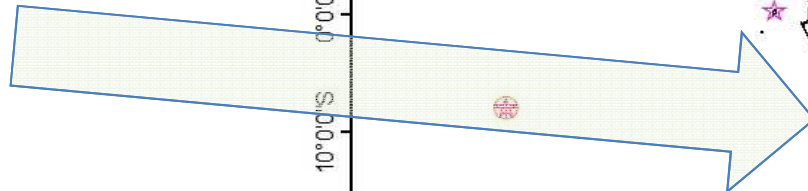
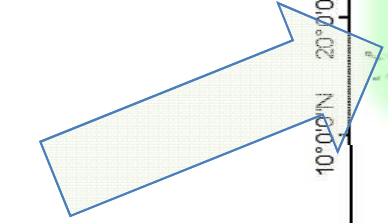
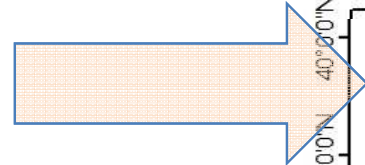
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due to national security reasons

Negotiable locations

Data gaps



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Solving problems associated with remote facilities

- Data Gaps → • More deployment
- Erratic power supply → • Solar Power systems
- Internet connectivity → • Local host participation
- Careless deployment → • Institutional commitment