What does the Propagation Studies Committee do?

Steve G0KYA
PSC Chairman

PSC Purpose

- Improve our understanding of radio propagation through promoting and coordinating research
- Liaise with academics and other experts on propagation matters
- Act as consultants and advisors to RSGB members over propagation issues
- Write propagation-related material, including HF predictions, for RSGB
- Give educational talks and presentations to interested parties

PSC Structure

- Eight full members, meeting twice a year:
  G0KYA (Steve), G4IFX (Chris), G3NYK (Alan), G4BAO (John), G4FKH (Gwyn), G4LOH (Tim), G8AGN (Barry) and G3SVW (Ron)

- Sixteen corresponding members, including G4JNT (Andy), G4DDK (Sam), G3YLA (Jim), G3USF (Martin), G0IJZ (Marcus) and G3HTF (Les)

- Seven associate members, including K9LA (Carl), K6MIO (Jim), W3EP (Emil) and NW7US (Tomas)

*** Includes seven Ph.Ds and three professors**

Recent work includes:

- Better RadCom predictions using new ITU model (G4FKH)
- Database of all 6m Es RBN contacts into EU in 2014 (G0KYA)
- Features in RadCom on sporadic E (G3YLA), solar effects on HF propagation (G0KYA), VHF ducting (G0IJZ) and others (2015).
- Nanowave (visible light and IR) experiments (G8AGN)
- LF propagation (G3NYK)
- HF noise measurement project (G4FKH)
- Understanding LF and HF Propagation e-book (G0KYA/G3YLK)
- Understanding HF propagation presentation and Skype (G0KYA)

Recent work continued:

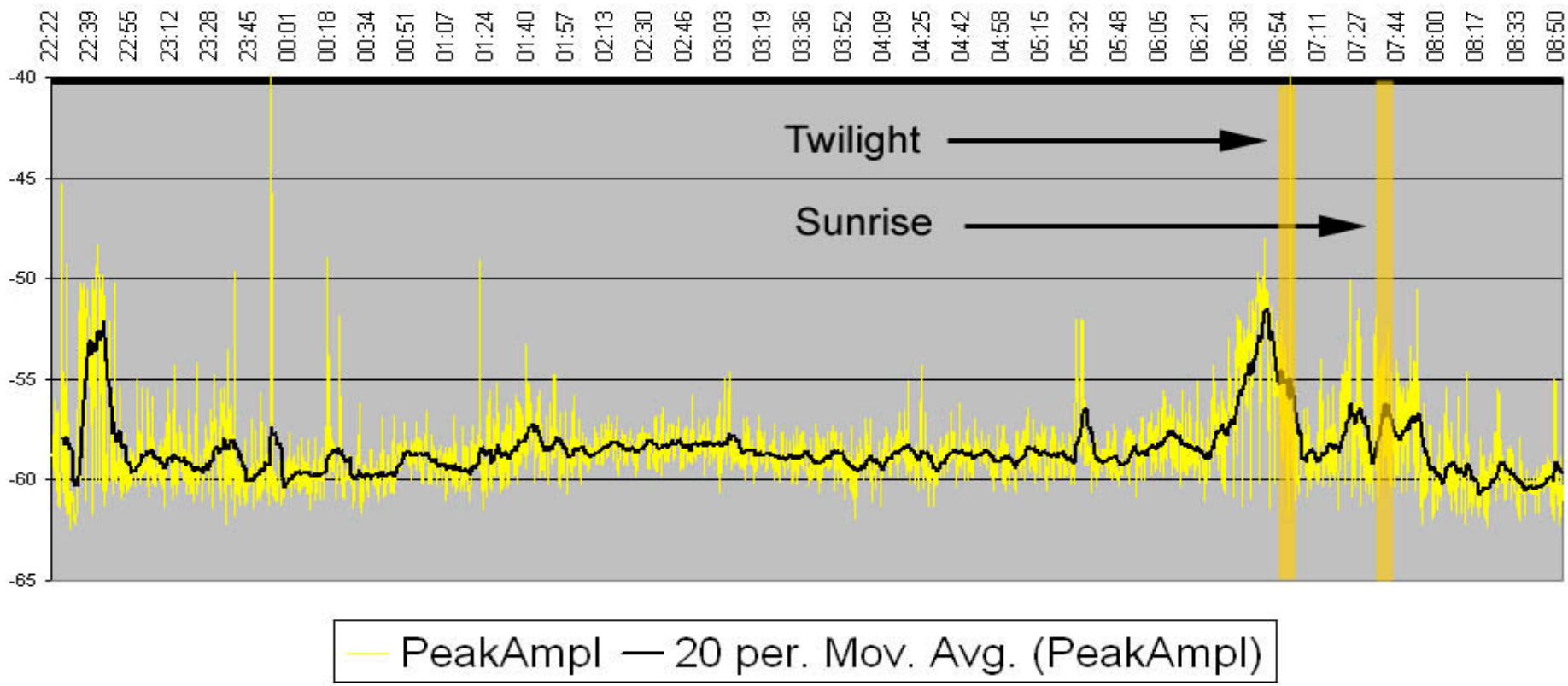
- Talks to clubs throughout the country
- Five PSC members gave talks at October's RSGB convention
- Monthly HF propagation charts for UK (G0KYA)
- Lightning scatter, aircraft scatter, JT modes on microwave (G4BAO)
- GB3NGI, GB3UHF and GB3LEU 70cm beacon hardware (G4BAO)
- Up-to-date HF beacon lists (G3USF)
- Es research related to upper level winds/gravity waves (G3YLA)
- New-style GB2RS propagation report (G0KYA, G4BAO and G3YLA)
- New propagation questions forum on RSGB.org (G0KYA/all)

Recent work continued:

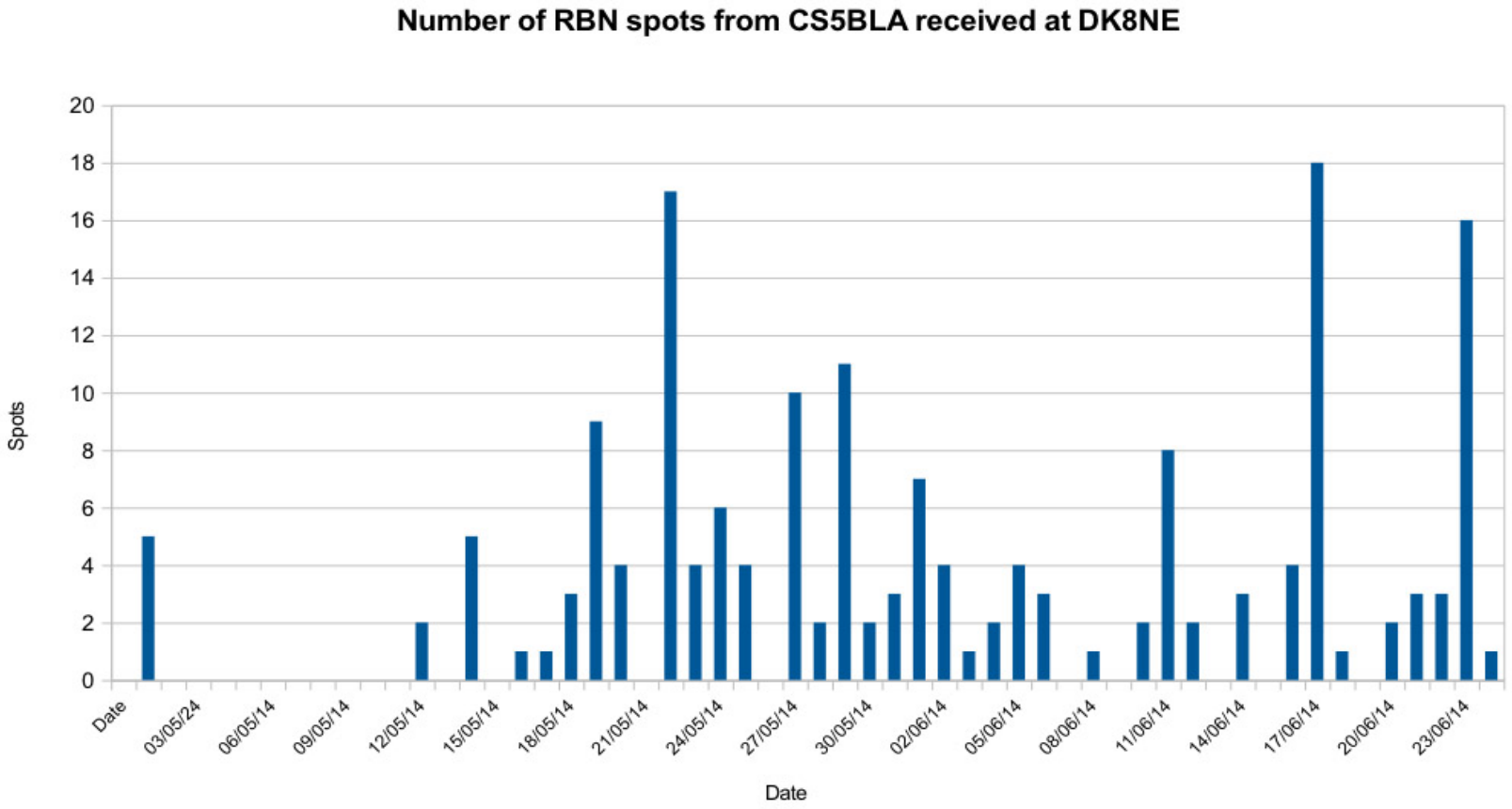
- New VHF Propagation video presentation and Skype Q&A for clubs (G0KYA et al)
- New Predtest.uk ITUHFPROP propagation tool (G4FKH)
- Coming soon – near real time F0F2 and MUF online charting website (G3YLA)

2004

VP8FI received at G0KYA on 3610kHz on 27/28 November 2004

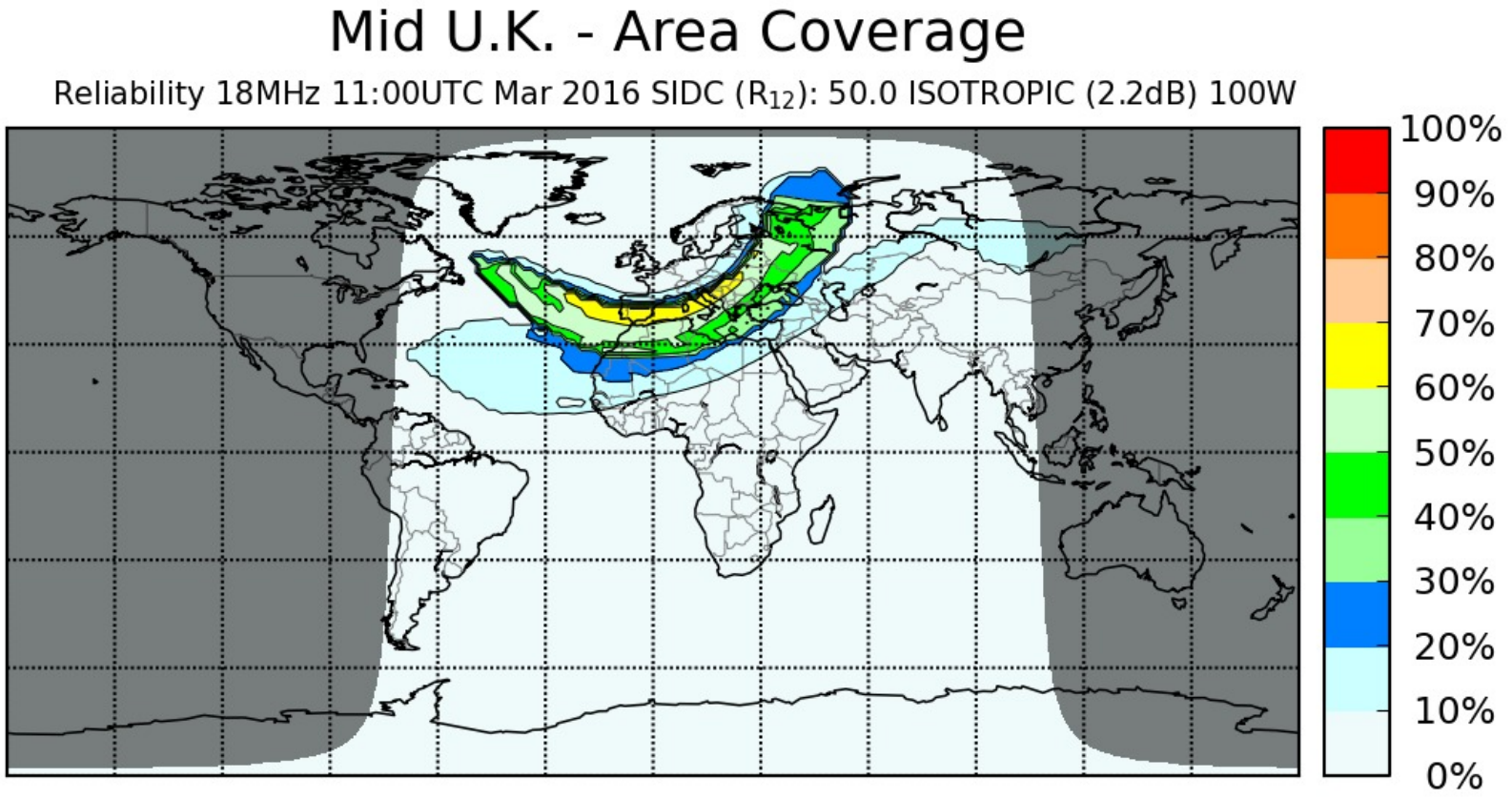


2014 Six Metres Es study



2015 Eclipse study

2016/17 ITURHFPROP – predtest.uk



Others

Nanowaves (light)

For more info see:

http://rsgb.org/main/technical/propagation/