



## RSGB Propagation Studies Committee

### Report for Spectrum Forum, November 2020

Here is the update from the Propagation Studies Committee (PSC):

- The 28 MHz beacon list on the RSGB website is now about as complete and accurate as it can be after a lot of amendments and amendments over the summer, although it could probably benefit from pruning out-of-date information. It was agreed to make the next significant update next in May 2021.  
See <https://rsgb.org/main/operating/beacons-and-repeaters/hf-beacons/>
- The PSC's HF propagation video, available on the RSGB "YouTube" channel and also linked from the website, has now had 4,013 views – a more than doubling since May. The VHF propagation video has now had 1,703 views. Both figures are very encouraging and show that the videos are meeting a genuine need among the wider amateur population.
- The 10-metre propagation research project, based on inter-G >100mile 28MHz FT8 propagation was announced in the last RadCom. We were just waiting for this year's Sporadic E season to finish.
- Propquest.co.uk now has a Sporadic E propagation indicator that shows the likelihood of Es in any direction from the UK. This was finished off late in the season and will now be ready for next year
- Propquest also now has an enhanced NVIS indicator that shows the f<sub>xl</sub> (extraordinary wave critical frequency) as well as f<sub>oF2</sub> (ordinary wave critical frequency).
- I gave a talk to the GQRP online convention on the various online tools now available via the RSGB including Propquest, Predtest and Proppy, as well as the RadCom propagation indicators via VOACAP and ITURHFPROP. This is being repeated for the "Deep Dixie Contest Club" in the USA and may well be the subject of a "Tonight @ 8" session with the RSGB in due course.

See:

[www.RSGB.org/Proppy](http://www.RSGB.org/Proppy)

[www.RSGB.org/predtest](http://www.RSGB.org/predtest)

[www.RSGB.org/propquest](http://www.RSGB.org/propquest)

- New format propagation tables: RadCom now includes letters to indicate "below the noise" signals using letters a to f. "a" represents a signal which is 6 dB lower than S1, "b" represents a signal 6 dB below a, and so on. This means that the charts can now be used for FT8/4

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