

Understanding Propagation of HF Radio Signals

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Understanding HF propagation will focus on choosing the band, mode and time of day to use to reach a given part of the world. The topics below play a key role in making these selections:

- Intro of reflection levels D to F
- Follow the Sun
- Multi-hop
- Gray Line
- Sun spots & MUF
- Aurora & CMEs
- Long path & Multi path
- Back scatter
- WWV & Forecasting models
- Band by band methods
- Tools available on the web (VOACAP, K6TU's site)

Equipped with an understanding of the basic principles that govern propagation of HF radio signal, one can increase the pleasure of HF operating tremendously and make many new friends around the world.