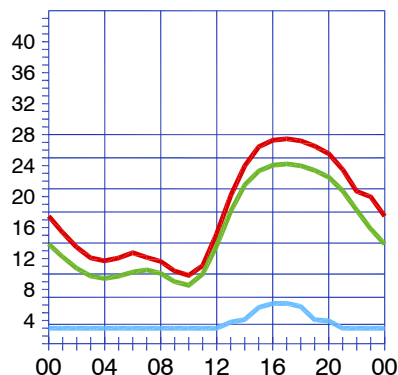
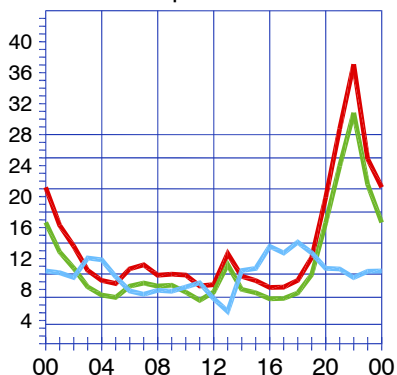


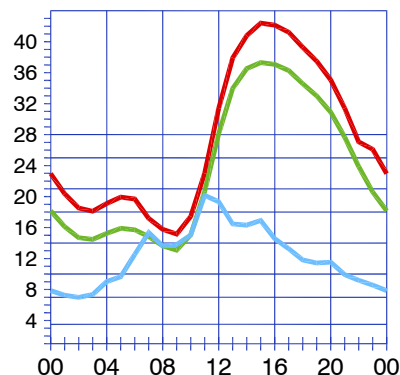
Mid-USA to East Coast



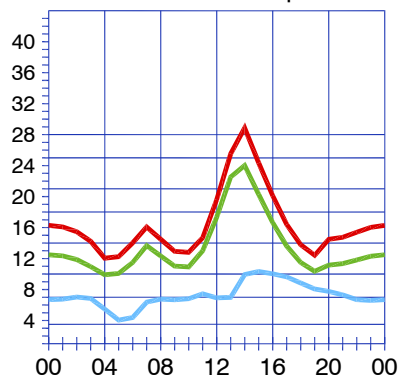
Mid-USA to Japan



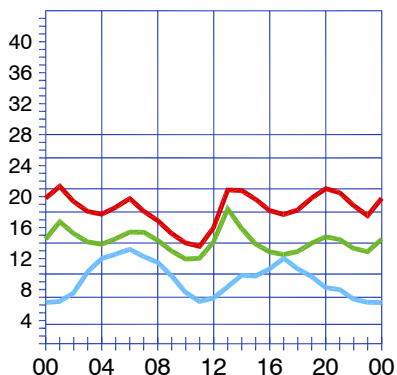
Mid-USA to Southern Africa



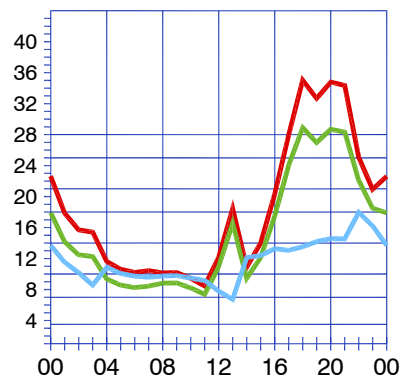
Mid-USA to Eastern Europe



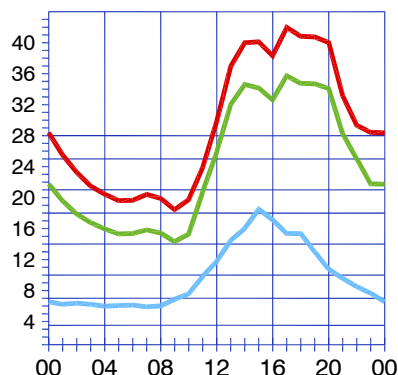
Mid-USA to Central Asia



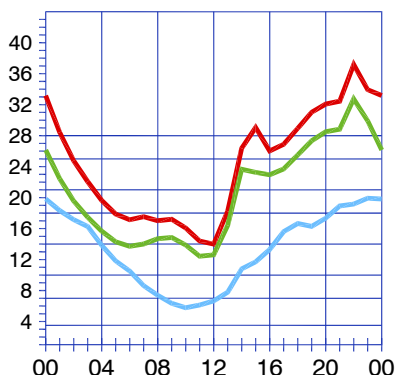
Mid-USA to South Pacific



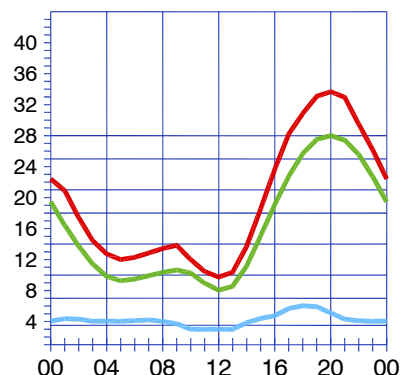
Mid-USA to South America



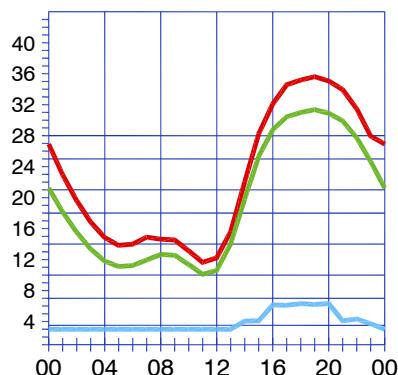
Mid-USA to Australia



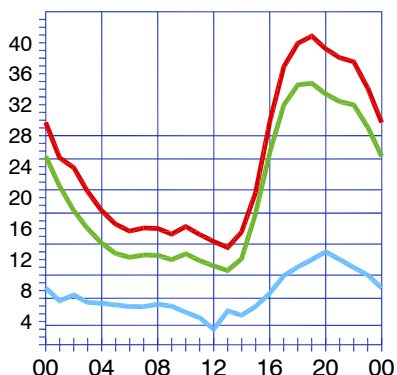
Mid-USA to Alaska



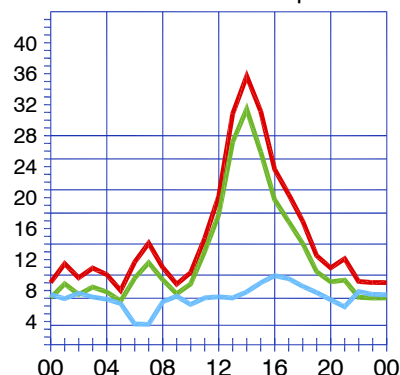
Mid-USA to West Coast



Mid-USA to Hawaii



Mid-USA to Western Europe



When are the bands open? These charts, generated using CAPman, show probabilities for average HF propagation in the month of December for the paths indicated. The horizontal axes show Coordinated Universal Time (UTC), and the vertical axes show frequency in MHz. On 10% of the days of this period, the highest frequencies propagated will be at least as high as the upper red curves (HPF, highest possible frequency) and on 50% of the days they will be at least as high as the green curves (MUF, classical maximum usable frequency). The blue curves show the lowest usable frequency (LUF) for a 1500-W CW transmitter. For SSB or a lower transmitter power, the LUF will be somewhat higher than the blue curves indicate. See Oct 1994 QST, pp 27-30, and Feb 1995 QST, pp 34-36, for more details. The predictions assume an observed 2800-MHz solar flux value of 126. This is a High level of solar activity. See the detailed propagation tables on The ARRL Antenna Book CD-ROM.