

The figure displays a 10x10 grid of subplots, each showing the ionospheric critical frequency (f_oF_2) in MHz as a function of UTC time (hours) for a specific geographic location. The main plot is a map of the region from 30°N to 80°N latitude and 160°W to 110°W longitude. Yellow contours represent the f_oF_2 values at different times. Blue dots on the map indicate specific locations of interest. The subplots show the time evolution of f_oF_2 at each grid location, with the x-axis representing UTC time (0 to 24 hours) and the y-axis representing f_oF_2 (0 to 15 MHz). The subplots are arranged in a 10x10 grid, with the main plot showing the spatial distribution of f_oF_2 values.

