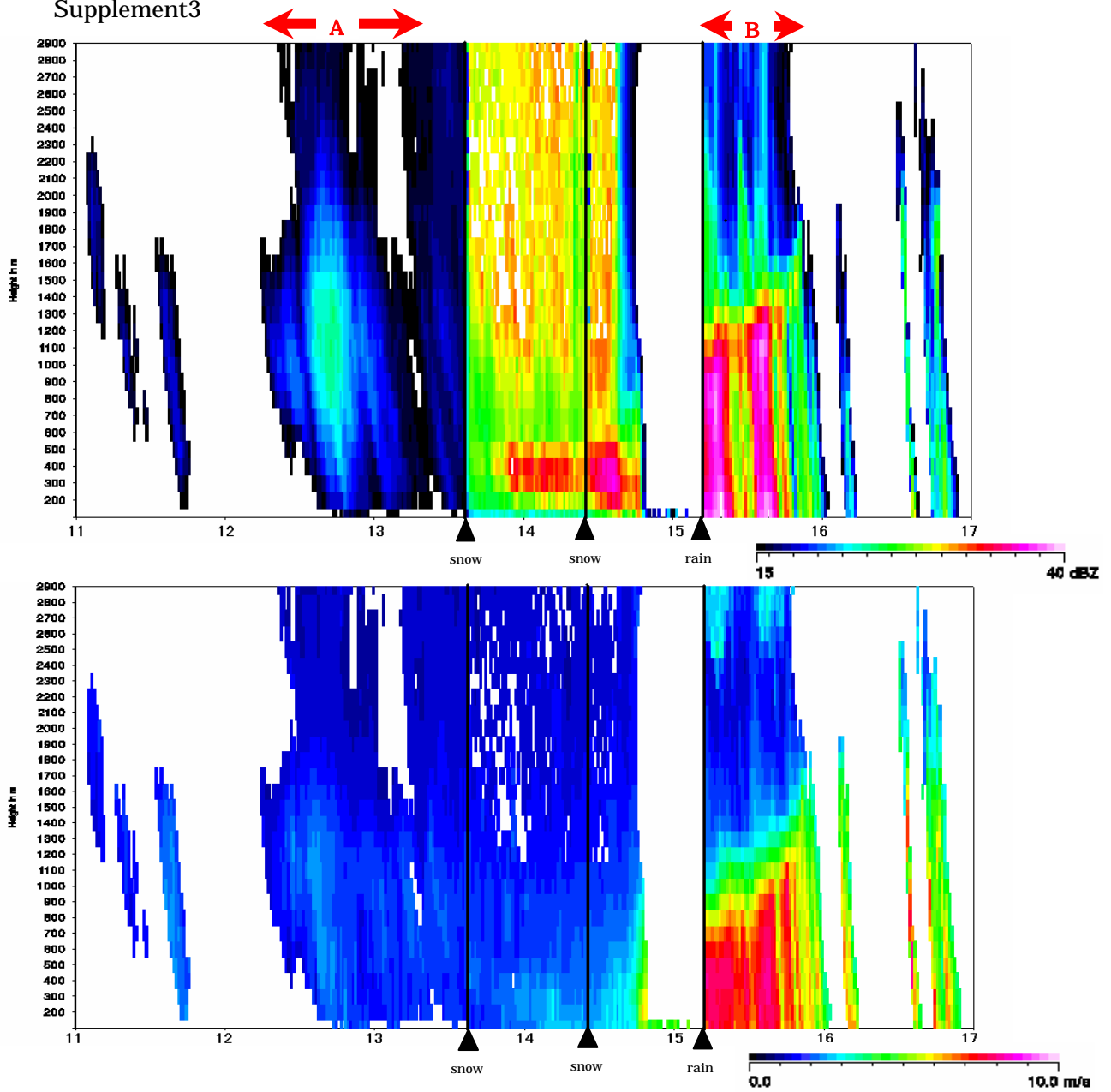


Supplement3



Time–height cross section of the radar reflectivity index (above) and vertical Doppler velocity (below) from 11:00 to 17:00 JST on 31 December 2004. Triangles denote the time of removing covered snow on the antenna and precipitation type on the surface.

Broad red arrows on the above figure denote averaged period in the text.

A and B denote the snow period and the rain period respectively.