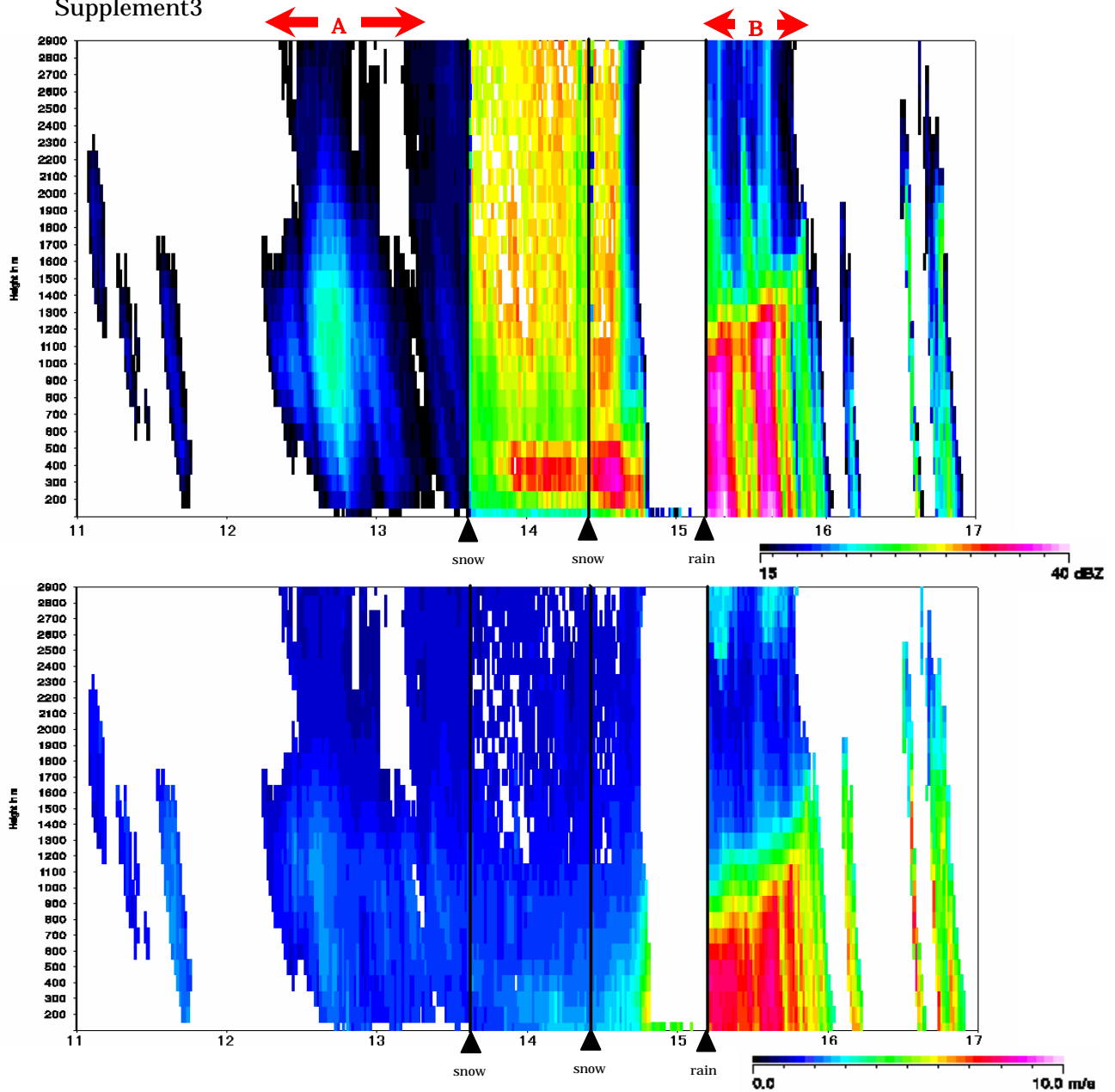


Supplement3



Time height cross section of radar reflectivity index (above) and vertical Doppler velocity (below) from 11LST to 17LST on 2004/12/31. Triangles denote the time of removing accumulated 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 snow and rain period respectively.