

Three dimensional structure of occluding extra-tropical cyclone observed by GPM data

*Kenichi Ueno¹

1. University of Tsukuba

Stagnant wide-range heavy precipitation areas associated with winter extra-tropical cyclones were identified by AMeDAS and GSMaP precipitation data. A case study by GPM/DPR data showed a split front type system with a clear precipitation phase (rain/snow) boundary in the occlusion process over central mountain ranges. Further examinations of meso-scale systems embedded in the organized cyclone are expected by accumulating GPM/DPR products.

Keywords: GPM/DPR, GSMaP, Extratropical cyclone

Ku_Reflectivity at angle9

