

Electron Microscopic observation of anhydrite in Antarctic carbonaceous chondrite, A-881334

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Antarctic carbonaceous chondrite, Asuka-881334(CM2) was mineralogically examined mainly using TEM. Evidence for thermal metamorphism was obtained based on observation of phyllosilicates :Characteristic halo diffraction suggesting intermediate phase in transformation from serpentine to olivine. Furthermore, anhydrite was observed in the specimen and it may suggest another evidence for thermal metamorphism above 200 degrees. Heating experiments of gypsum was also carried out.