

KORUS-AQ - Other: 05/07/16 Science Report

Aircraft: Other: B-200 (Hanseon University) - 16M031

Date: Saturday, May 7, 2016

Mission: KORUS-AQ

Mission Location: OSAN Air base

Mission Summary:

Morning flight: 8:40 to 11:50

It was taking off from the Osan AB, Bangi-dong, after passing the Taehwasan to measure the concentration of gaseous substances in the Seoul metropolitan area and inland areas. The average speed was 278 km / hour, altitude of urban areas 600 m, mountainous inland 1000-2500 m. The NO₂ concentration was more than 20 ppb in urban areas, 2000 m or more was rarely observed. CO concentration was 150-400 ppb level. O₃ was more than 60 ppb.

Afternoon flight : 13:30-16:40

Afternoon flight was flying the same route as the morning. Unlike most of the morning and the cloud layer was observed at altitudes higher than 2000 m. In the metropolitan urban area measurements were performed at an altitude of 100-800 m. NO₂ concentration level of 2.0-7.5 ppb, CO 150-200 ppb, O₃ 60 ppb or higher.

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