



## **Characteristics of low level jets over Okinawa observed with 400 MHz wind profiler**

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Monitoring observation of the wind with 400 MHz Wind Profiler over Okinawa, Japan subtropical island has been continuously done. We analyzed the data during warm season (June, July, and August) focusing on the low level jet (LLJ). Results shows that the stronger LLJs occur more frequently during the Baiu subperiod with heavier precipitation than the pos-Baiu subperiod. Post-Baiu subperiod is the subperiod when Baiu front has moved further north of the side. The distribution of the jet height and the mean wind structure are compared between the rain and no-rain cases to clarify the features of the LLJs in association with the precipitation. Statistically, the frequency of LLJ occurrences exhibits a diurnal cycle with the maximum occurring in nighttime and early morning. The interaction of LLJ with diurnal variation of the moisture field, consequently the precipitation is also discussed by using the Japan Meteorological Agency's Mesoscale Model data.