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제목: Abstract Submission ANGWIN 2018 - Mesospheric and lower thermospheric neutral winds measured by Fabry-Perot Interferometer and Meteor Radar at King Sejong Station, Antarctica

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Dear Participant,

Your abstract has been submitted successfully.

Abstract Submission:

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Title: Mesospheric and lower thermospheric neutral winds measured by Fabry-Perot Interferometer and Meteor Radar at King Sejong Station, Antarctica

Abstract: At King Sejong Station (KSS), Antarctica, the mesospheric and lower thermospheric neutral winds have been observed by the meteor radar since 2007 to investigate the characteristics of the neutral atmosphere at the tip of the Antarctic Peninsular where there is known to be a strong gravity wave activity. Recently in 2017, the observations for neutral winds was expanded to thermosphere by a Fabry-Perot interferometer (FPI) in collaboration with National Center for Atmospheric Research (NCAR). With these two observations at KSS, the mesospheric and lower thermospheric winds have been simultaneously measured by the meteor radar and the FPI, which allows us to compare two independent measurements of nighttime neutral winds in the MLT region. In this talk, we will present the preliminary results of the comparative study using a yearlong measurement during March 2017 to March 2018.

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Sincerely,

LOC ANGWIN 2018

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