

Measuring mesospheric gravity waves from above the oceans: the ship-borne imager

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The ship borne imager system has been deployed on the Royal Research Ship James Clark Ross (RRS JCR) for four years and has been measuring the faint IR emissions from the airglow at ~87 km altitude. The RRS JCR travels from the UK to Antarctica and back again every year, all the while gathering data. The ship-borne imager is a novel instrument system comprising three imagers, combining the data with the pitch and roll of the ship we can extract gravity wave parameters. The gravity wave results from this system will be presented in this talk, with focus on those data taken close to Antarctica.

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