



## **The Altitude Variation of the Ratio of the OH A-X 0-0 and 1-1 Bands in the Dayglow**

R.L. Gattinger, D.A. Degenstein, N.D. Lloyd and **E.J. Llewellyn**

ISAS, University of Saskatchewan, Saskatoon, SK S7N 5E2, Canada

(edward.llewellyn@usask.ca / Fax: +1-306-966-6400 / Phone: +1-306-966-6441)

The mesospheric OH A-X 0-0 band at 309 nm is observed in solar resonance fluorescence by the OSIRIS spectrograph on Odin. The much weaker 1-1 band at 314 nm is also observed by OSIRIS. The observed ratio of these two bands as a function of altitude is presented. Vibrational energy transfer rates are investigated and compared with model predictions.