

WATER VAPOR FROM 600 cm^{-1} THROUGH THE ν_2 BAND
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Recent measurements of H_2^{16}O were made using the 0.005 cm^{-1} resolution FTS at the Kitt Peak McMath facility. The results from the analysis include improved values of the ground and ν_2 state rotational energy levels, line strengths, self-broadened widths and pressure effects (widths and frequency shifts) due to N_2 and air broadening. These results lend information to studies involving far wing water vapor investigations. These results will be presented and discussed.

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Time required: 15 min.

Session in which paper is recommended for presentation: Infrared Experimental)