Fig. 3-119. Transmission loss at 1.152 μm, percent relative humidity.²

LEGEND
0 Experimental
□ Calculated

Fig. 3-120. Atmospheric absorption from 10,647 to 10,665 Å, near the 10648 Å Na⁺⁺: YAG; 10650 Å Na⁺⁺: CaWO₄; 10650 Å Na⁺⁺: glass; 10652 Å Na⁺⁺: CaWO₄; 10652 Å Na⁺⁺: SrMoO₄; and 10660 Å Na⁺⁺: CaWO₄ lasers.⁹

Fig. 3-121. Calculated water vapor absorption at 10.69 μm for propagation paths traversing the earth's atmosphere.³
Fig. 3-124. Calculated 10.59 \mu \text{m} transmittance of water vapor at 77°F in a sea level atmosphere vs. the path length for selected relative humidities.\textsuperscript{15}

Fig. 3-125. Calculated 10.59 \mu \text{m} (\nu20) transmittance of combined carbon dioxide and water vapor at 77°F in a sea level atmosphere vs. the path length.\textsuperscript{16}