$$\log_{10}(p_{\mathrm{H2O}}) = -9.096853 \cdot \left(\frac{273.16}{T_{\mathrm{sat}}} - 1 \right) - 3.566506 \cdot \log_{10} \left(\frac{273.16}{T_{\mathrm{sat}}} \right)$$

$$+0.876812 \cdot \left(1 - \frac{T_{\mathrm{sat}}}{273.16} \right) - 0.2138602$$

Eq. 1065.645-2