$$\log_{10}(p_{\mathrm{H2O}}) = -9.096853 \cdot \left(\frac{273.16}{257.75} - 1\right) - 3.566506 \cdot \log_{10}\left(\frac{273.16}{257.75}\right)$$

$$+0.876812 \cdot \left(1 - \frac{257.75}{273.16}\right) - 0.2138602$$