

$$r_y^2 = 1 - \frac{\left[2045.8 - (-16.8083) - (1.0110 \times 2045.0) \right]^2 + K \left[y_{6000} - (-16.8083) - (1.0110 \cdot y_{\text{ref}6000}) \right]^2}{\left[2045.8 - 1480.5 \right]^2 + K \left[y_{6000} - 1480.5 \right]^2}$$