The images show scatter plots with linear regression lines illustrating the relationship between the number of ocean vertical levels and different climate variables, with regression coefficients and p-values indicated.

(a) Global $T_{\text{max}}$ RMSE
- $R = -0.648$
- $p = 0.002$

(b) Global $T_{\text{min}}$ RMSE
- $R = -0.509$
- $p = 0.022$

(c) Global $T_{\text{cycle}}$ RMSE
- $R = -0.374$
- $p = 0.104$

(d) Global $T_{\text{mean}}$ RMSE
- $R = -0.611$
- $p = 0.004$

The regression lines indicate a negative correlation between the number of ocean vertical levels and the RMSE of the climate variables, with significant p-values for all but one variable.