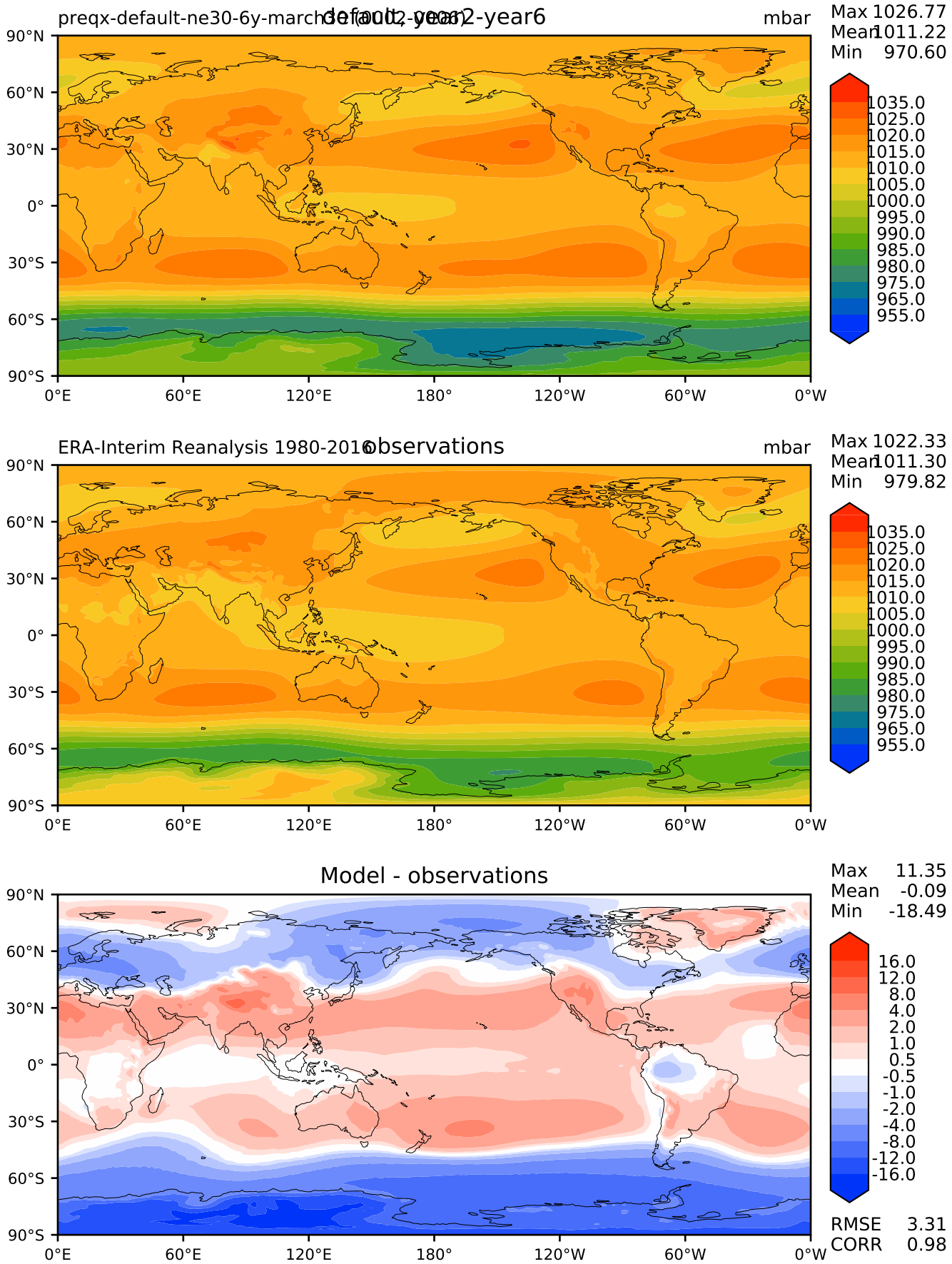PSL ANN global