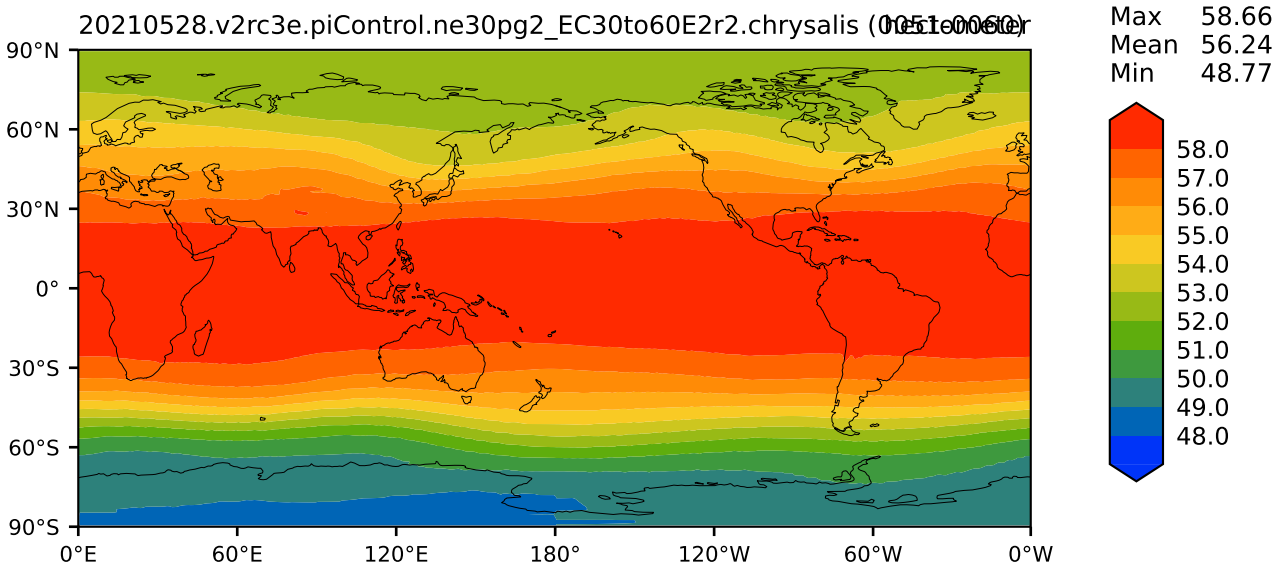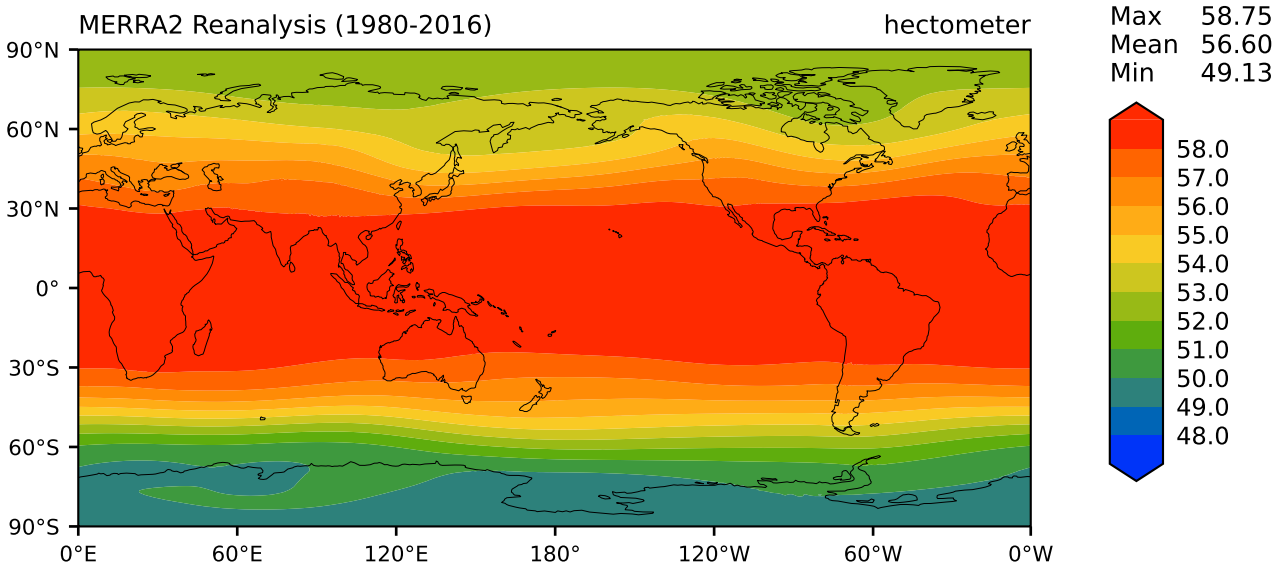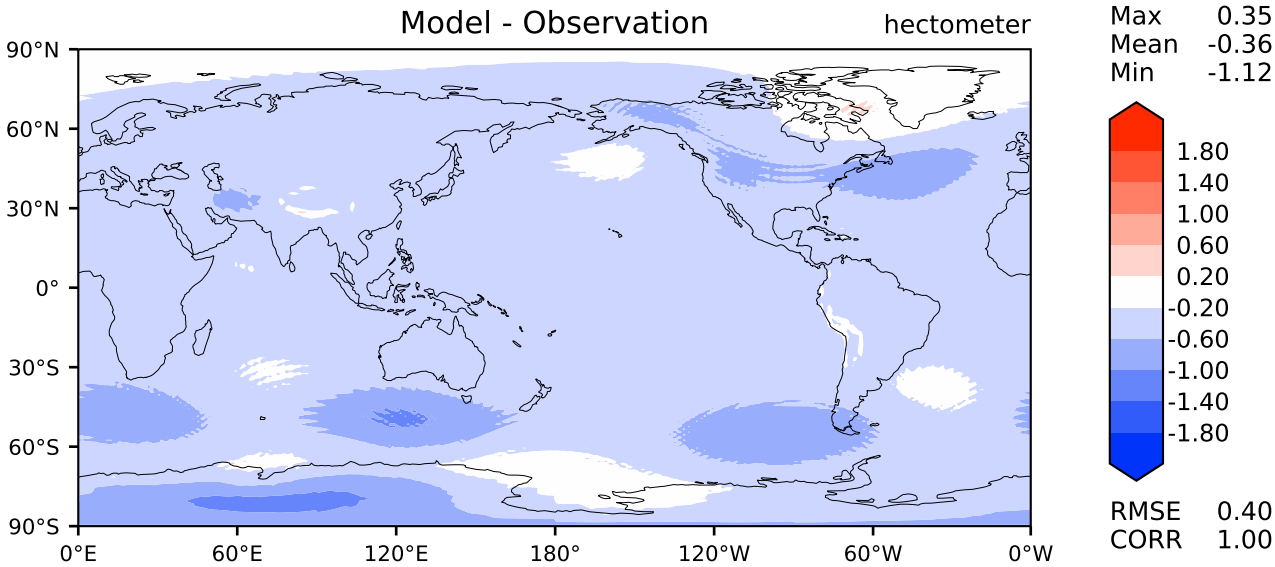Z3 500 mb ANN global