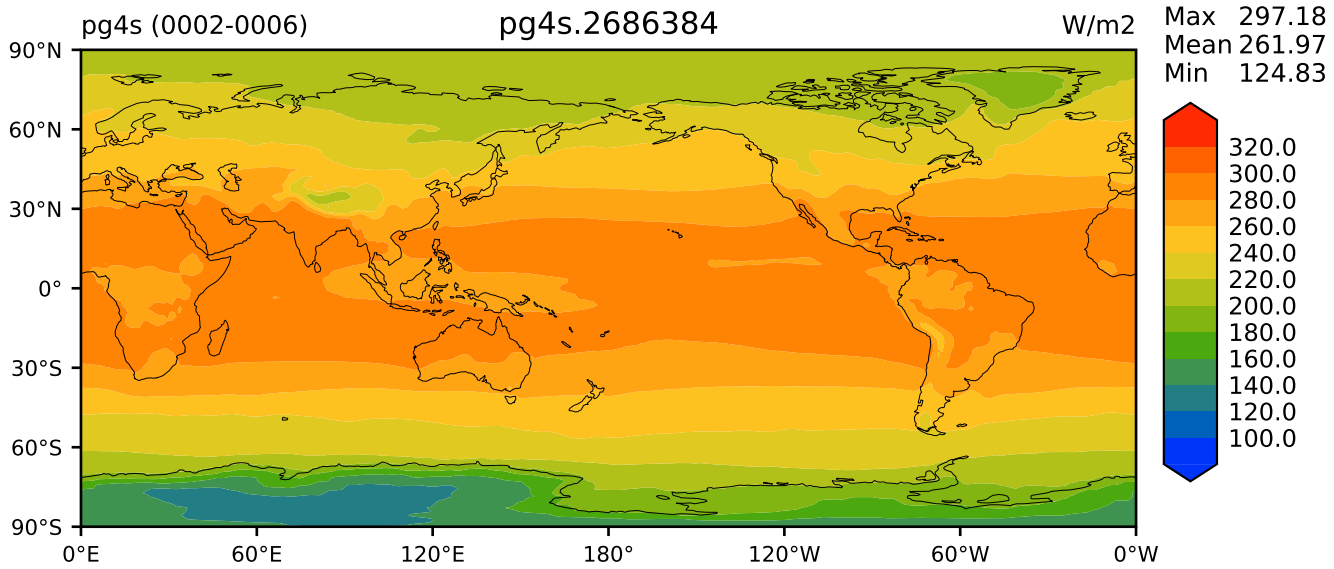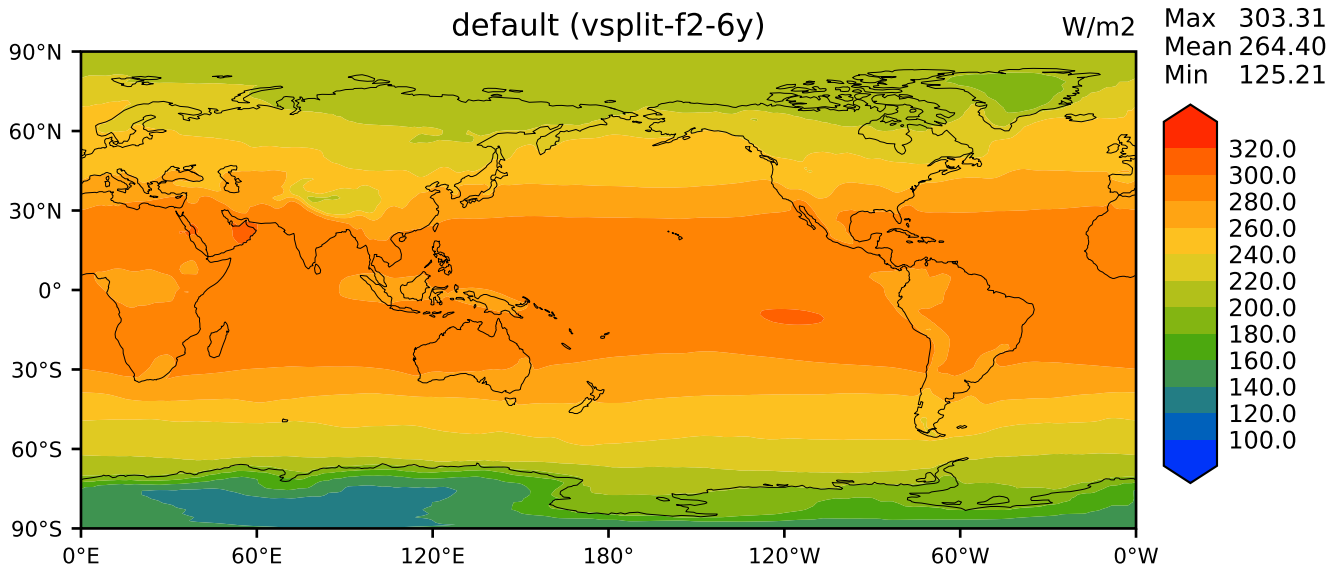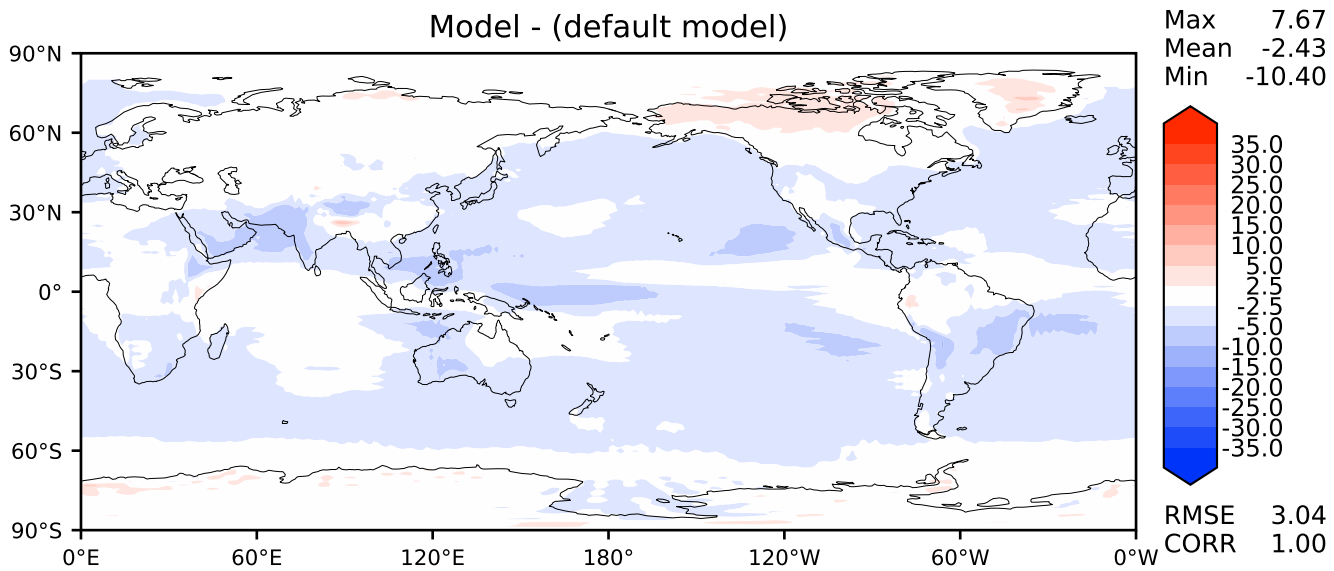# FLUTC ANN global