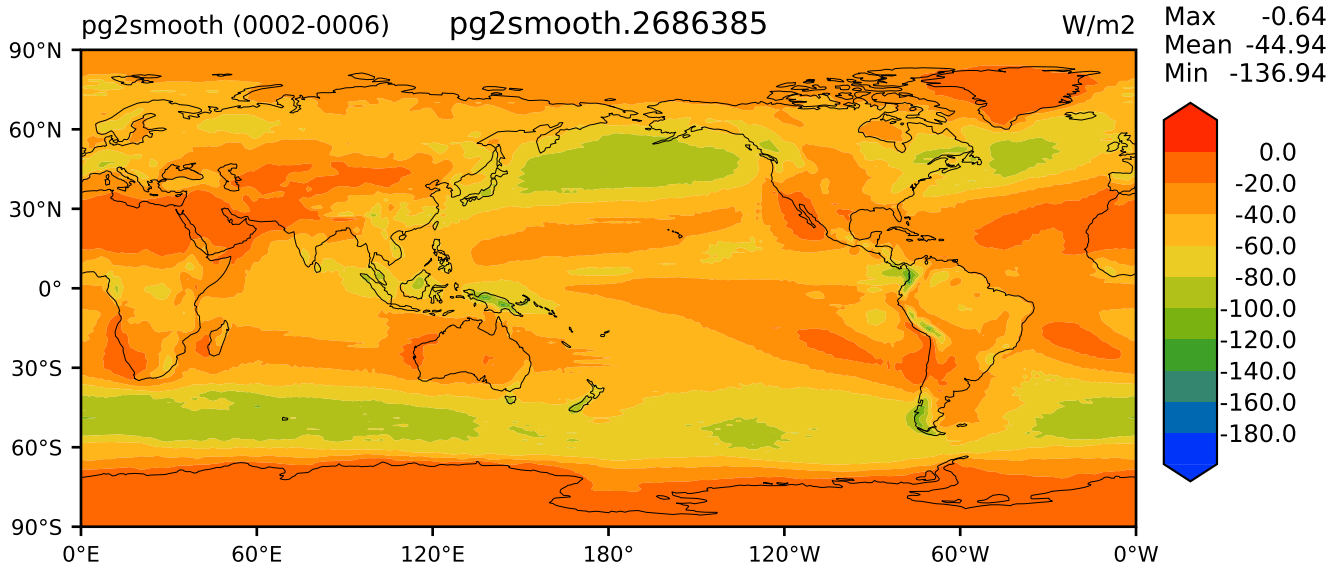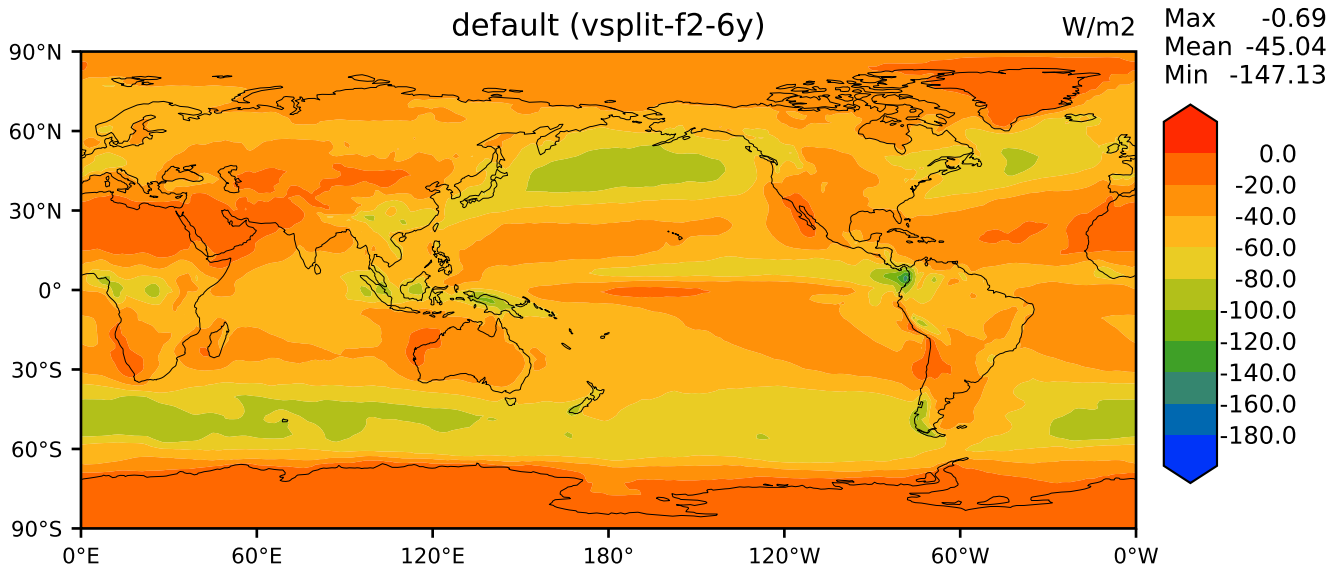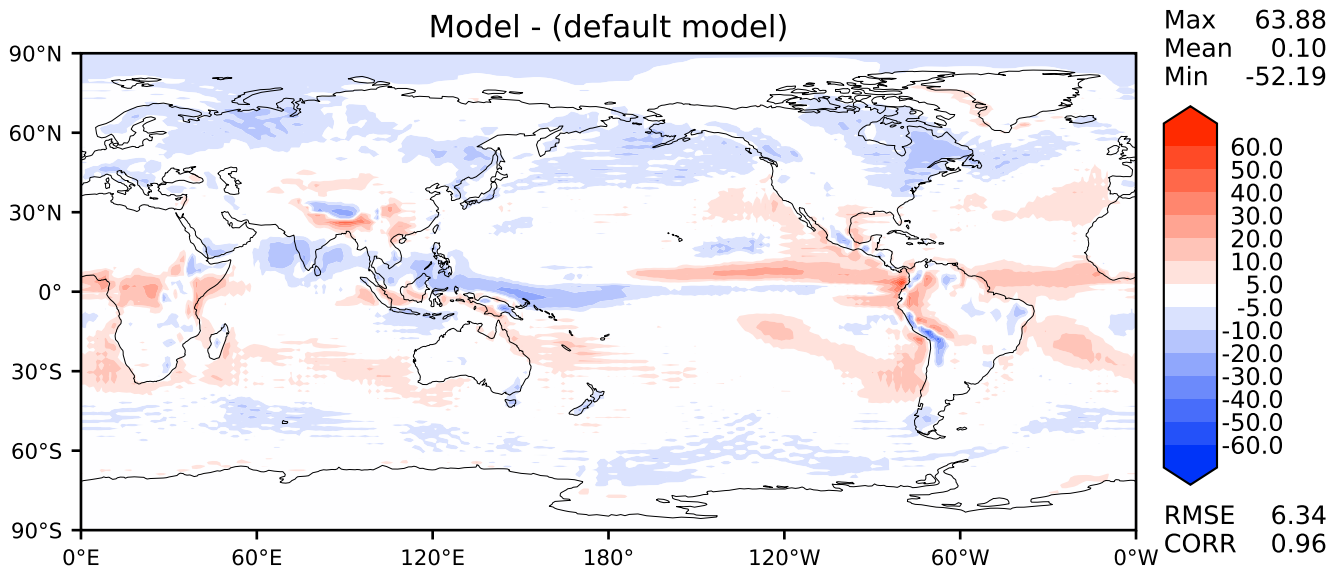SWCF ANN global