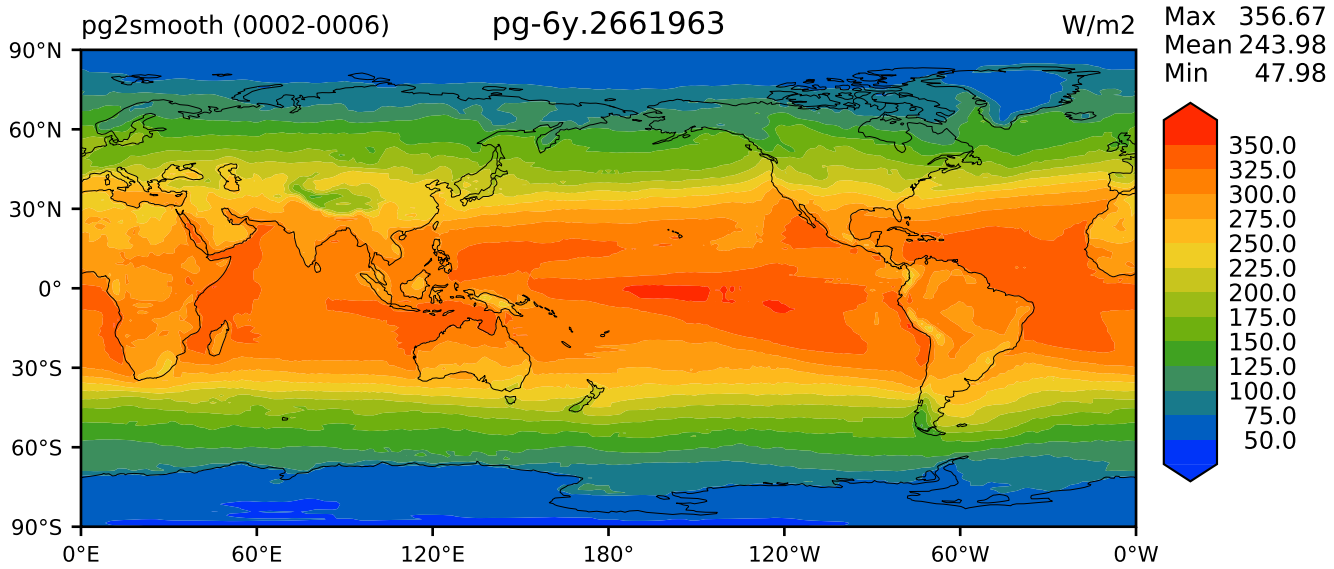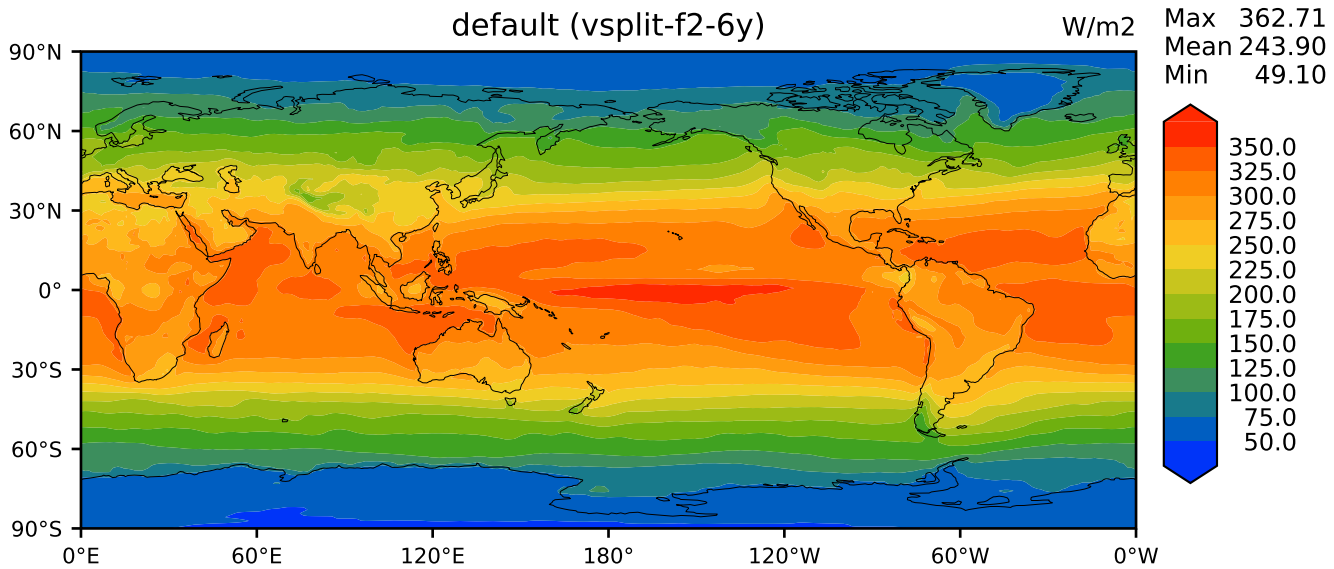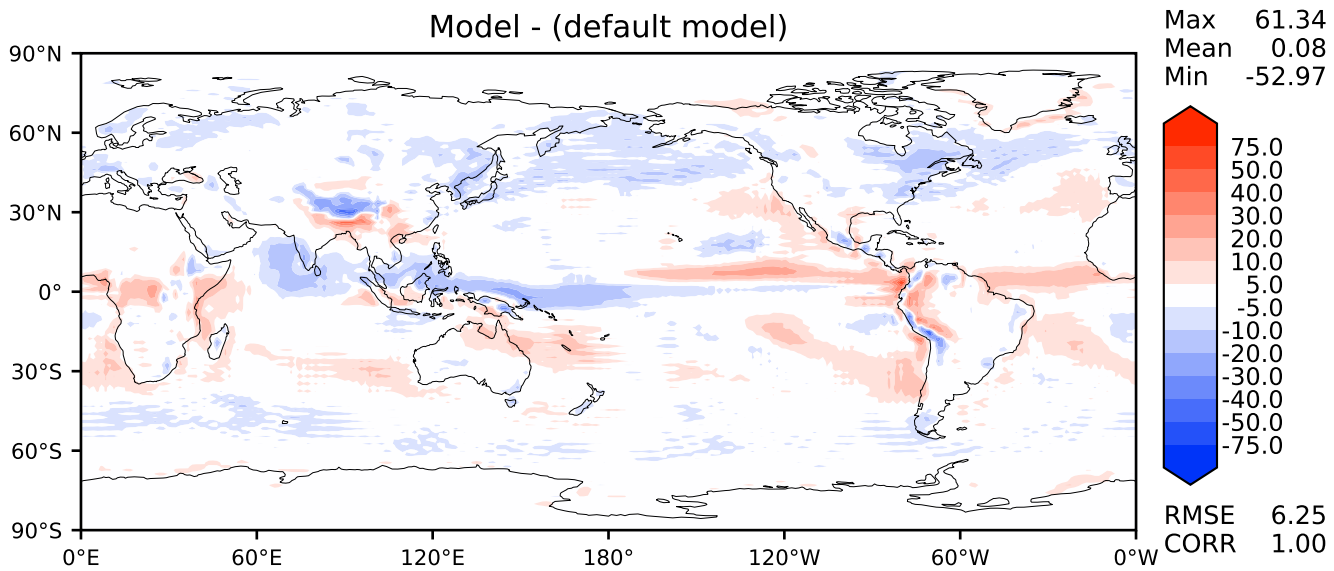FSNTOA ANN global