



Supplement of

A radiative transfer module for calculating photolysis rates and solar heating in climate models: Solar-J v7.5

Juno Hsu et al.

Correspondence to: Juno Hsu (junoh@uci.edu)

- [gmd-10-2525-2017-supplement-title-page.pdf](#)
- [GMD_SolarJ7.5](#)

– Data

- * CTM_GrdCld.dat
- * CTM_GrdCld.dat.old
- * CTM_GrdCld_cirrus.bk
- * CTM_GrdCld_stratus.bk
- * CTM_GrdCld_stratus.dat
- * FJX_j2j.dat
- * FJX_scat-UMa.dat
- * FJX_scat-aer.dat
- * FJX_scat-cld.dat
- * FJX_scat-ssa.dat
- * FJX_spec.dat
- * atmos_h2och4.dat
- * atmos_std.dat

– cirrus

- * SWbgt_sza0.dat
- * SWbgt_sza21.dat
- * SWbgt_sza62.dat
- * SWbgt_sza84.dat
- * fj_sza0.dat
- * fj_sza21.dat
- * fj_sza62.dat
- * fj_sza84.dat
- * output_cirrus_sza0
- * output_cirrus_sza21

- * output_cirrus_sza62
- * output_cirrus_sza84
- * output_clearsky_sza0
- * output_clrsky_sza21
- * output_clrsky_sza62
- * output_clrsky_sza84
- * sj_1_sza0.dat
- * sj_1_sza21.dat
- * sj_1_sza62.dat
- * sj_1_sza84.dat
- * sj_2_sza0.dat
- * sj_2_sza21.dat
- * sj_2_sza62.dat
- * sj_2_sza84.dat
- ffx_rrtmg_obj
 - * cld_sub_mod.mod
 - * cld_sub_mod.o
 - * ffx72.o
 - * ffx_cmn_mod.mod
 - * ffx_cmn_mod.o
 - * ffx_init_mod.mod
 - * ffx_init_mod.o
 - * ffx_sub_mod.mod
 - * ffx_sub_mod.o
 - * parkind.mod
 - * parkind.o
 - * parrsw.mod
 - * parrsw.o
 - * rrsd_con.mod
 - * rrsd_con.o
 - * rrsd_fastj_cmn.mod
 - * rrsd_fastj_cmn.o
 - * rrsd_kg16.mod
 - * rrsd_kg16.o
 - * rrsd_kg17.mod
 - * rrsd_kg17.o
 - * rrsd_kg18.mod
 - * rrsd_kg18.o
 - * rrsd_kg19.mod
 - * rrsd_kg19.o
 - * rrsd_kg20.mod
 - * rrsd_kg20.o
 - * rrsd_kg21.mod
 - * rrsd_kg21.o
 - * rrsd_kg22.mod
 - * rrsd_kg22.o
 - * rrsd_kg23.mod

- * rrs_w_kg23.o
- * rrs_w_kg24.mod
- * rrs_w_kg24.o
- * rrs_w_kg25.mod
- * rrs_w_kg25.o
- * rrs_w_kg26.mod
- * rrs_w_kg26.o
- * rrs_w_kg27.mod
- * rrs_w_kg27.o
- * rrs_w_kg28.mod
- * rrs_w_kg28.o
- * rrs_w_kg29.mod
- * rrs_w_kg29.o
- * rrs_w_ref.mod
- * rrs_w_ref.o
- * rrs_w_vsn.mod
- * rrs_w_vsn.o
- * rrs_w_wvn.mod
- * rrs_w_wvn.o
- * rrtmg_sw_init.mod
- * rrtmg_sw_init.o
- * rrtmg_sw_inp.o
- * rrtmg_sw_k_g.o
- * rrtmg_sw_setcoef.mod
- * rrtmg_sw_setcoef.o
- * rrtmg_sw_taumol.mod
- * rrtmg_sw_taumol.o
- f_jx_src
 - * cld_sub_mod.f90
 - * f_jx72.f90
 - * f_jx_cm_n_mod.f90
 - * f_jx_init_mod.f90
 - * f_jx_sub_mod.f90
- makefile
- readme.txt
- rrtmg_modules
 - * parkind.f90
 - * parrsw.f90
 - * parrsw.o
 - * parrsw.f90
 - * rrs_w_con.f90
 - * rrs_w_fastj_cm_n.f90
 - * rrs_w_kg16.f90
 - * rrs_w_kg17.f90
 - * rrs_w_kg18.f90
 - * rrs_w_kg19.f90
 - * rrs_w_kg20.f90

- * rrs_w_kg21.f90
- * rrs_w_kg22.f90
- * rrs_w_kg23.f90
- * rrs_w_kg24.f90
- * rrs_w_kg25.f90
- * rrs_w_kg26.f90
- * rrs_w_kg27.f90
- * rrs_w_kg28.f90
- * rrs_w_kg29.f90
- * rrs_w_ncpar.f90
- * rrs_w_ref.f90
- * rrs_w_vsn.f90
- * rrs_w_wvn.f90
- rrtmg_src
 - * rrtmg_sw_init.f90
 - * rrtmg_sw_inp.f90
 - * rrtmg_sw_k_g.f90
 - * rrtmg_sw_setcoef.f90
 - * rrtmg_sw_taumol.f90
- runscript_solarj.sh
- solarj
- stratus
 - * SWbgt_sza0.dat
 - * SWbgt_sza21.dat
 - * SWbgt_sza62.dat
 - * SWbgt_sza84.dat
 - * fj_sza0.dat
 - * fj_sza21.dat
 - * fj_sza62.dat
 - * fj_sza84.dat
 - * output_clearsky_sza0
 - * output_clrsky_sza21
 - * output_clrsky_sza62
 - * output_clrsky_sza84
 - * output_stratus_sza0
 - * output_stratus_sza21
 - * output_stratus_sza62
 - * output_stratus_sza84
 - * sj_1_sza0.dat
 - * sj_1_sza21.dat
 - * sj_1_sza62.dat
 - * sj_1_sza84.dat
 - * sj_2_sza0.dat
 - * sj_2_sza21.dat
 - * sj_2_sza62.dat
 - * sj_2_sza84.dat

The copyright of individual parts of the supplement might differ from the CC BY 3.0 License.