



WCRP CMIP3 Multi-Model Data

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All Variables

Variable	Long Name	Standard Name
cdd	Maximum Number of Consecutive Dry Days	N/A
cl	Cloud Fraction	cloud_area_fraction_in_atmosphere_layer
clisccp	Cloud Fraction as Calculated by the ISCCP Simulator	isccp_cloud_area_fraction
clivi	Column Integrated Cloud Ice Content	atmosphere_cloud_ice_content
clt	Total Cloud Fraction	cloud_area_fraction
clwvi	Column Integrated Cloud Water Content	atmosphere_cloud_condensed_water_content
etr	Intra-Annual Extreme Temperature Range	N/A
evspsblveg	Evaporation from Vegetation Canopy	water_evaporation_flux_from_canopy
fd	Total Number of Frost Days in Year	N/A
gsl	Growing Season Length	N/A
hfcorr	Heat FLux Correction	heat_flux_correction_where_ocean
hfls	Surface Latent Heat Flux	surface_upward_latent_heat_flux
hfogo	Northward Ocean Heat Transport	northward_ocean_heat_transport
hfsib	Upward Heat Flux at Base of Sea Ice	upward_sea_ice_basal_heat_flux
hfss	Surface Sensible Heat Flux	surface_upward_sensible_heat_flux
htovdiff	Northward Diffusive Heat Transport by Ocean	northward_ocean_heat_transport_due_to_diffusion
htovgyre	Northward Gyre Heat Transport by Ocean	northward_ocean_heat_transport_due_to_gyre
htovovrt	Northward Ocean Heat Transport by Overturning	northward_ocean_heat_transport_due_to_overturning
hur	Relative Humidity	relative_humidity
hus	Specific Humidity	specific_humidity
huss	Surface Specific Humidity	specific_humidity
hwdi	Heat Wave Duration Index	N/A
mrfs0	Soil Frozen Water Content	soil_frozen_water_content
mrro	Surface and Subsurface Runoff	runoff_flux
mrros	Surface Runoff	surface_runoff_flux
mrso	Total Soil Moisture Content	soil_moisture_content
mrsofc	Capacity of Soil to Store Water	soil_moisture_content_at_field_capacity
mrsos	Moisture in Upper 0.1 m of Soil Column	moisture_content_of_soil_layer
orog	Surface Altitude	surface_altitude
pr	Precipitation	precipitation_flux
prc	Convective Precipitation	convective_precipitation_flux
prsn	Snowfall Flux	snowfall_flux
prveg	Precipitation Intercepted by Vegetation Canopy	precipitation_flux_onto_canopy
prw	Precipitable Water	atmosphere_water_vapor_content
ps	Surface Pressure	surface_air_pressure

psl	Sea Level Pressure	air_pressure_at_sea_level
qflux	Q-Flux	prescribed_heat_flux_into_slab_ocean
r10	Number of Days for which Precipitation Rate Exceeds 10 mm/day	N/A
r5d	Maximum 5-day Precipitation Total	N/A
r95t	Percent of Annual Total Precipitation due to Events Exceeding the 1961-1990 95th Percentile	N/A
rhopot	Potential Density	sea_water_potential_density
rlds	Surface Downwelling Longwave Radiation	surface_downwelling_longwave_flux_in_air
rldscs	Downwelling Surface Clear-Sky Longwave	surface_downwelling_longwave_flux_in_air_assuming_clear_sky
rlntp	Net Upward Longwave Flux at 200 hPa	net_upward_longwave_flux_in_air
rlntpcs	Net Upward Clear-Sky Longwave Flux at 200 hPa	net_upward_longwave_flux_in_air_assuming_clear_sky
rlus	Surface Upwelling Longwave Radiation	surface_upwelling_longwave_flux_in_air
rlut	Outgoing Longwave Radiation	toa_outgoing_longwave_flux
rlutcs	Outgoing Clear-Sky Longwave	toa_outgoing_longwave_flux_assuming_clear_sky
rootd	Root Depth	root_depth
rsds	Surface Downwelling Shortwave Radiation	surface_downwelling_shortwave_flux_in_air
rsdscs	Incident Surface Clear-Sky Shortwave	surface_downwelling_shortwave_flux_in_air_assuming_clear_sky
rsdt	TOA Incident Shortwave Radiation	toa_incoming_shortwave_flux
rsntp	Net Downward Shortwave Flux at 200 hPa	net_downward_shortwave_flux_in_air
rsntpcs	Net Downward Clear-Sky Shortwave Flux at 200 hPa	net_downward_shortwave_flux_in_air_assuming_clear_sky
rsus	Surface Upwelling Shortwave Radiation	surface_upwelling_shortwave_flux_in_air
rsuscs	Reflected Surface Clear-Sky Shortwave	surface_upwelling_shortwave_flux_in_air_assuming_clear_sky
rsut	TOA Reflected Shortwave Radiation	toa_outgoing_shortwave_flux
rsutcs	Reflected Clear-Sky Shortwave	toa_outgoing_shortwave_flux_assuming_clear_sky
rtmt	Net Flux at Top of Model	net_downward_radiative_flux_at_top_of_atmosphere_model
sbl	Sublimation over Sea Ice	water_evaporation_flux_where_sea_ice
sdi	Simple Daily Precipitation Index	N/A
sftgif	Fraction of Grid Cell Covered with Glacier	land_ice_area_fraction
sftlf	Land Area Fraction	land_area_fraction
sic	Sea Ice Concentration	sea_ice_area_fraction
sit	Sea Ice Thickness	sea_ice_thickness
sltfsib	Downward Salt Flux at Base of Sea Ice	downward_sea_ice_basal_salt_flux
sltovdiff	Northward Diffusive Salt Transport by Ocean	northward_ocean_salt_transport_due_to_diffusion
sltovgyre	Northward Gyre Salt Transport by Ocean	northward_ocean_salt_transport_due_to_gyre
sltovvrt	Northward Ocean Salt Transport by Overturning	northward_ocean_salt_transport_due_to_overturning
snc	Snow Area Fraction	surface_snow_area_fraction_where_land
snd	Snow Depth	surface_snow_thickness
snm	Snow Melt	surface_snow_melt_flux_where_land
snw	Snow Amount	surface_snow_amount_where_land
so	Salinity	sea_water_salinity
stfbarot	Ocean Barotropic Streamfunction	ocean_barotropic_streamfunction
stfmmc	Meridional Overturning Streamfunction	ocean_meridional_overturning_streamfunction

ta	Temperature	air_temperature
tas	Surface Air Temperature	air_temperature
tasmax	Maximum Daily Surface Air Temperature	air_temperature
tasmin	Minimum Daily Surface Air Temperature	air_temperature
tauu	Zonal Surface Wind Stress	surface_downward_eastward_stress
taucorr	Eastward Momentum Flux Correction	eastward_momentum_flux_correction_where_ocean
tauv	Meridional Surface Wind Stress	surface_downward_northward_stress
tauvcorr	Northward Momentum Flux Correction	northward_momentum_flux_correction_where_ocean
thetao	Potential Temperature	sea_water_potential_temperature
tn90	Percent of time Tmin > the 90th percentile value of daily minimum temperature	N/A
tos	Sea Surface Temperature	sea_surface_temperature
tro3	Ozone Mole Fraction	mole_fraction_of_o3_in_air
trsul	Mass Concentration of Sulfate Aerosol	mass_concentration_of_sulfate_aerosol_in_air
trslt	Sulfate Burden	atmosphere_content_of_sulfate_aerosol
ts	Surface Skin Temperature	surface_temperature
ua	Zonal Wind Component	eastward_wind
uas	Zonal Surface Wind Speed	eastward_wind
uo	Eastward Sea Water Velocity	eastward_sea_water_velocity
usi	Eastward Sea Ice Velocity	eastward_sea_ice_velocity
va	Meridional Wind Component	northward_wind
vas	Meridional Surface Wind Speed	northward_wind
vo	Northward Sea Water Velocity	northward_sea_water_velocity
vsi	Northward Sea Ice Velocity	northward_sea_ice_velocity
wap	Omega (=dp/dt)	lagrangian_tendency_of_air_pressure
wfcorr	Water FLux Correction	water_flux_correction_where_ocean
wfo	Water Flux Into Ocean	water_flux_into_ocean
wo	Upward Sea Water Velocity	upward_sea_water_velocity
zg	Geopotential Height	geopotential_height
zmla	Atmospheric Boundary Layer Thickness	atmosphere_boundary_layer_thickness
zmlo	Mixed Layer Thickness	ocean_mixed_layer_thickness
zobt	Sea Floor Depth	sea_floor_depth_below_geoid
zos	Sea Surface Elevation	sea_surface_height_above_geoid
zosga	Global Mean Sea Level Change	global_average_sea_level_change
zostoga	Global Mean Thermosteric Sea Level Change	global_average_thermosteric_sea_level_change

IPCC Table A1

Variable	Long Name	Standard Name
cl	Cloud Fraction	cloud_area_fraction_in_atmosphere_layer
clisccp	Cloud Fraction as Calculated by the ISCCP Simulator	isccp_cloud_area_fraction
clivi	Column Integrated Cloud Ice Content	atmosphere_cloud_ice_content

clt	Total Cloud Fraction	cloud_area_fraction
clwvi	Column Integrated Cloud Water Content	atmosphere_cloud_condensed_water_content
evspsblveg	Evaporation from Vegetation Canopy	water_evaporation_flux_from_canopy
hfls	Surface Latent Heat Flux	surface_upward_latent_heat_flux
hfss	Surface Sensible Heat Flux	surface_upward_sensible_heat_flux
hur	Relative Humidity	relative_humidity
hus	Specific Humidity	specific_humidity
huss	Surface Specific Humidity	specific_humidity
mrfs0	Soil Frozen Water Content	soil_frozen_water_content
mrro	Surface and Subsurface Runoff	runoff_flux
mrros	Surface Runoff	surface_runoff_flux
mrso	Total Soil Moisture Content	soil_moisture_content
mrsofc	Capacity of Soil to Store Water	soil_moisture_content_at_field_capacity
mrsos	Moisture in Upper 0.1 m of Soil Column	moisture_content_of_soil_layer
orog	Surface Altitude	surface_altitude
pr	Precipitation	precipitation_flux
prc	Convective Precipitation	convective_precipitation_flux
prsn	Snowfall Flux	snowfall_flux
prveg	Precipitation Intercepted by Vegetation Canopy	precipitation_flux_onto_canopy
prw	Precipitable Water	atmosphere_water_vapor_content
ps	Surface Pressure	surface_air_pressure
psl	Sea Level Pressure	air_pressure_at_sea_level
rlds	Surface Downwelling Longwave Radiation	surface_downwelling_longwave_flux_in_air
rldscs	Downwelling Surface Clear-Sky Longwave	surface_downwelling_longwave_flux_in_air_assuming_clear_sky
rlntp	Net Upward Longwave Flux at 200 hPa	net_upward_longwave_flux_in_air
rlntpcs	Net Upward Clear-Sky Longwave Flux at 200 hPa	net_upward_longwave_flux_in_air_assuming_clear_sky
rlus	Surface Upwelling Longwave Radiation	surface_upwelling_longwave_flux_in_air
rlut	Outgoing Longwave Radiation	toa_outgoing_longwave_flux
rlutcs	Outgoing Clear-Sky Longwave	toa_outgoing_longwave_flux_assuming_clear_sky
rootd	Root Depth	root_depth
rsds	Surface Downwelling Shortwave Radiation	surface_downwelling_shortwave_flux_in_air
rsdscs	Incident Surface Clear-Sky Shortwave	surface_downwelling_shortwave_flux_in_air_assuming_clear_sky
rsdt	TOA Incident Shortwave Radiation	toa_incoming_shortwave_flux
rsntp	Net Downward Shortwave Flux at 200 hPa	net_downward_shortwave_flux_in_air
rsntpcs	Net Downward Clear-Sky Shortwave Flux at 200 hPa	net_downward_shortwave_flux_in_air_assuming_clear_sky
rsus	Surface Upwelling Shortwave Radiation	surface_upwelling_shortwave_flux_in_air
rsuscs	Reflected Surface Clear-Sky Shortwave	surface_upwelling_shortwave_flux_in_air_assuming_clear_sky
rsut	TOA Reflected Shortwave Radiation	toa_outgoing_shortwave_flux
rsutcs	Reflected Clear-Sky Shortwave	toa_outgoing_shortwave_flux_assuming_clear_sky
rtmt	Net Flux at Top of Model	net_downward_radiative_flux_at_top_of_atmosphere_model
sftgif	Fraction of Grid Cell Covered with Glacier	land_ice_area_fraction
sftlf	Land Area Fraction	land_area_fraction

snc	Snow Area Fraction	surface_snow_area_fraction_where_land
snd	Snow Depth	surface_snow_thickness
snm	Snow Melt	surface_snow_melt_flux_where_land
snw	Snow Amount	surface_snow_amount_where_land
ta	Temperature	air_temperature
tas	Surface Air Temperature	air_temperature
tasmax	Daily Maximum Surface Air Temperature	air_temperature
tasmin	Daily Minimum Surface Air Temperature	air_temperature
tauu	Zonal Surface Wind Stress	surface_downward_eastward_stress
tauv	Meridional Surface Wind Stress	surface_downward_northward_stress
tro3	Ozone Mole Fraction	mole_fraction_of_o3_in_air
trsul	Mass Concentration of Sulfate Aerosol	mass_concentration_of_sulfate_aerosol_in_air
trslt	Sulfate Burden	atmosphere_content_of_sulfate_aerosol
ts	Surface Skin Temperature	surface_temperature
ua	Zonal Wind Component	eastward_wind
uas	Zonal Surface Wind Speed	eastward_wind
va	Meridional Wind Component	northward_wind
vas	Meridional Surface Wind Speed	northward_wind
wap	Omega (=dp/dt)	lagrangian_tendency_of_air_pressure
zg	Geopotential Height	geopotential_height
zmla	Atmospheric Boundary Layer Thickness	atmosphere_boundary_layer_thickness

IPCC Table A2

Variable	Long Name	Standard Name
hf1s	Surface Latent Heat Flux	surface_upward_latent_heat_flux
hfss	Surface Sensible Heat Flux	surface_upward_sensible_heat_flux
hus	Specific Humidity	specific_humidity
pr	Precipitation	precipitation_flux
psl	Sea Level Pressure	air_pressure_at_sea_level
rlds	Surface Downwelling Longwave Radiation	surface_downwelling_longwave_flux_in_air
rlus	Surface Upwelling Longwave Radiation	surface_upwelling_longwave_flux_in_air
rlut	Outgoing Longwave Radiation	toa_outgoing_longwave_flux
rsds	Surface Downwelling Shortwave Radiation	surface_downwelling_shortwave_flux_in_air
rsus	Surface Upwelling Shortwave Radiation	surface_upwelling_shortwave_flux_in_air
ta	Temperature	air_temperature
tas	Surface Air Temperature	air_temperature
tasmax	Maximum Daily Surface Air Temperature	air_temperature
tasmin	Minimum Daily Surface Air Temperature	air_temperature
ua	Zonal Wind Component	eastward_wind
uas	Zonal Surface Wind Speed	eastward_wind
va	Meridional Wind Component	northward_wind
vas	Meridional Surface Wind Speed	northward_wind

IPCC Table A3

Variable	Long Name	Standard Name
hfis	Surface Latent Heat Flux	surface_upward_latent_heat_flux
hfss	Surface Sensible Heat Flux	surface_upward_sensible_heat_flux
pr	Precipitation	precipitation_flux
psl	Sea Level Pressure	air_pressure_at_sea_level
rlds	Surface Downwelling Longwave Radiation	surface_downwelling_longwave_flux_in_air
rlus	Surface Upwelling Longwave Radiation	surface_upwelling_longwave_flux_in_air
rsds	Surface Downwelling Shortwave Radiation	surface_downwelling_shortwave_flux_in_air
rsus	Surface Upwelling Shortwave Radiation	surface_upwelling_shortwave_flux_in_air
tas	Surface Air Temperature	air_temperature

IPCC Table A4

Variable	Long Name	Standard Name
cdd	Maximum Number of Consecutive Dry Days	N/A
etr	Intra-Annual Extreme Temperature Range	N/A
fd	Total Number of Frost Days in Year	N/A
gsl	Growing Season Length	N/A
hwdi	Heat Wave Duration Index	N/A
r10	Number of Days for which Precipitation Rate Exceeds 10 mm/day	N/A
r5d	Maximum 5-day Precipitation Total	N/A
r95t	Percent of Annual Total Precipitation due to Events Exceeding the 1961-1990 95th Percentile	N/A
sdi	Simple Daily Precipitation Index	N/A
tn90	Percent of time Tmin > the 90th percentile value of daily minimum temperature	N/A

IPCC Table O1

Variable	Long Name	Standard Name
hfcorr	Heat FLux Correction	heat_flux_correction_where_ocean
hfogo	Northward Ocean Heat Transport	northward_ocean_heat_transport
hfsib	Upward Heat Flux at Base of Sea Ice	upward_sea_ice_basal_heat_flux
htovdiff	Northward Diffusive Heat Transport by Ocean	northward_ocean_heat_transport_due_to_diffusion
htovgyre	Northward Gyre Heat Transport by Ocean	northward_ocean_heat_transport_due_to_gyre
htovovrt	Northward Ocean Heat Transport by Overturning	northward_ocean_heat_transport_due_to_overturning
qflux	Q-Flux	prescribed_heat_flux_into_slab_ocean
rhopoto	Potential Density	sea_water_potential_density
sbl	Sublimation over Sea Ice	water_evaporation_flux_where_sea_ice
sic	Sea Ice Concentration	sea_ice_area_fraction
sit	Sea Ice Thickness	sea_ice_thickness
sltfsib	Downward Salt Flux at Base of Sea Ice	downward_sea_ice_basal_salt_flux
sltovdiff	Northward Diffusive Salt Transport by Ocean	northward_ocean_salt_transport_due_to_diffusion

sltovgyre	Northward Gyre Salt Transport by Ocean	northward_ocean_salt_transport_due_to_gyre
sltovovrt	Northward Ocean Salt Transport by Overturning	northward_ocean_salt_transport_due_to_overturning
so	Salinity	sea_water_salinity
stfbarot	Ocean Barotropic Streamfunction	ocean_barotropic_streamfunction
stfmmc	Meridional Overturning Streamfunction	ocean_meridional_overturning_streamfunction
taucorr	Eastward Momentum Flux Correction	eastward_momentum_flux_correction_where_ocean
tauvcorr	Northward Momentum Flux Correction	northward_momentum_flux_correction_where_ocean
thetao	Potential Temperature	sea_water_potential_temperature
tos	Sea Surface Temperature	sea_surface_temperature
uo	Eastward Sea Water Velocity	eastward_sea_water_velocity
usi	Eastward Sea Ice Velocity	eastward_sea_ice_velocity
vo	Northward Sea Water Velocity	northward_sea_water_velocity
vsi	Northward Sea Ice Velocity	northward_sea_ice_velocity
wfcorr	Water FLux Correction	water_flux_correction_where_ocean
wfo	Water Flux Into Ocean	water_flux_into_ocean
wo	Upward Sea Water Velocity	upward_sea_water_velocity
zmlo	Mixed Layer Thickness	ocean_mixed_layer_thickness
zobt	Sea Floor Depth	sea_floor_depth_below_geoid
zos	Sea Surface Elevation	sea_surface_height_above_geoid
zosga	Global Mean Sea Level Change	global_average_sea_level_change
zostoga	Global Mean Thermosteric Sea Level Change	global_average_thermosteric_sea_level_change

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