

Topic	Dataset (monthly, lat-lon gridded)	Data Filenames	Search Conditions in Universal Analysis Service	Time Range (YYYY-MM-YYYY-MM)
1	CERES TOA incident shortwave radiation	nasa/ceres/nasa_ceres_rsdrt_200003-201812.nc	ceres, rsdrt, 2018	2000-03-2018-12
1	CERES TOA outgoing shortwave radiation	nasa/ceres/nasa_ceres_rsut_200003-201812.nc	ceres, rsut, 2018	2000-03-2018-12
1	CERES TOA outgoing longwave radiation	nasa/ceres/nasa_ceres_rlut_200003-201812.nc	ceres, rlut, 2018	2000-03-2018-12
1	ARGO ocean temperature	others/argo_temperature.nc (choose ARGO_TEMPERATURE_ANOMALY in the variable pull down)	argo	2004-01-2016-12
1	AMSR-E sea surface temperature	nasa/amsre/tos_AMSRE_L3_v7_200206-201012.nc	amsre	2002-06-2010-12
1	ECMWF sea surface temperature	others/tos_era5.nc	era5	1979-01-2021-04
1	ECMWF surface air temperature	others/tas_era5_1979-2018.nc	era5	1979-01-2018-12
2	ECMWF sea surface temperature	others/tos_era5.nc (choose sst in the variable pull down)	era5	1979-01-2021-04
2	ECMWF near surface winds	ecmwf/interim/sfcWind_Amon_ERA_interim_197901-201605.nc, users/tkubar/ecmwf_interim_near_sfc_wind_speed_1x1_monthly_*.nc	ecmwf, wind	1979-01-2016-05 2016-01-2019-05
2	ECMWF cloud fraction	ecmwf/interim/clt_Amon_ECMWF_interim_197901-201404.nc, users/tkubar/ecmwf_interim_total_cloud_fraction_pt75xpt75_monthly_*.nc	ecmwf, cloud	1979-01-2014-04 2014-01-2019-05
2	MODIS cloud top temperature	users/tkubar/output_monthly_modis_terra_l3_cloud_top_temp_day_2000_2019_v6pt1.nc	modis, tkubar, 2019	2000-02-2019-01
2	MODIS cloud optical depth	users/tkubar/output_monthly_modis_terra_l3_tau_combined_mean_2000_2019_v6pt1.nc	modis, tkubar, 2019	2000-02-2019-01
2	MODIS cirrus reflectance	users/tkubar/output_monthly_modis_terra_l3_cirrus_reflectance_mean_2000_2019_v6pt1.nc	modis, tkubar, 2019	2000-02-2019-01
2	MODIS ice cloud fraction	users/tkubar/output_monthly_modis_terra_l3_cf_ice_mean_2000_2019_v6pt1.nc	modis, tkubar, 2019	2000-02-2019-01
2	MISR cloud properties	users/tkubar/output_monthly_misr_terra_l3_cloud_top_height_dist_apr2002_jan2019.nc, many more	misr, tkubar	2002-04-2019-01
2	MISR TOA cloud albedo	users/tkubar/output_monthly_misr_terra_l3_toa_albedo_restrictive_clouds_only_apr2002_jan2019.nc	misr, tkubar	2002-04-2019-01
2	CERES TOA outgoing clear-sky longwave radiation	nasa/ceres/nasa_ceres_rlutcs_200003-201812.nc	ceres, rlutcs, 2018	2000-03-2018-12
2	CERES TOA outgoing longwave radiation	nasa/ceres/nasa_ceres_rlut_200003-201812.nc	ceres, rlut, 2018	2000-03-2018-12
2	AMIP simulations of the above variables	many model outputs for different models and variables	amip	various
3	CERES TOA outgoing clear-sky longwave radiation	nasa/ceres/nasa_ceres_rlutcs_200003-201812.nc	ceres, rlutcs, 2018	2000-03-2018-12
3	CERES TOA outgoing longwave radiation	nasa/ceres/nasa_ceres_rlut_200003-201812.nc	ceres, rlut, 2018	2000-03-2018-12
3	CERES TOA outgoing clear-sky shortwave radiation	nasa/ceres/nasa_ceres_rsutcs_200003-201812.nc	ceres, rsutcs, 2018	2000-03-2018-12
3	CERES TOA outgoing shortwave radiation	nasa/ceres/nasa_ceres_rsut_200003-201812.nc	ceres, rsut, 2018	2000-03-2018-12
3	MODIS cloud fraction (liquid + ice)	users/tkubar/output_monthly_modis_terra_l3_cf_day_mean_2000_2019_v6pt1.nc	modis, tkubar, cf, 2019	2000-02-2019-01
3	MODIS liquid cloud fraction	users/tkubar/output_monthly_modis_terra_l3_cf_liquid_mean_2000_2019_v6pt1.nc	modis, tkubar, cf, 2019	2000-02-2019-01
3	MODIS ice cloud fraction	users/tkubar/output_monthly_modis_terra_l3_cf_ice_mean_2000_2019_v6pt1.nc	modis, tkubar, cf, 2019	2000-02-2019-01
3	GPCP precipitation	nasa/gpcp/pr_GPCP-SG_L3_v2.2_*.nc	gpcp	1979-01-2011-06
3	TRMM precipitation	nasa/trmm/pr_TRMM_199801-201803.nc	trmm	1998-01-2018-04
3	GPM precipitation	others/pr_GPM_200006-202101.nc	gpm	2000-06-2021-01
3	AMSR-E sea surface temperature	nasa/amsre/tos_AMSRE_L3_v7_200206-201012.nc	amsre	2000-06-2021-01
3	ECMWF sea surface temperature	others/tos_era5.nc	era5	1979-01-2021-04
3	CMIP simulations of above variables	many model outputs for different models and variables	cmip5, historical (further filter with different model name and variable name, e.g. gfdl, clt)	various
4	GRACE water storage over land	others/nasa_grace_zl_a_200204-202105.nc	grace, others	2002-04-2021-05
4	GPCP precipitation	nasa/gpcp/pr_GPCP-SG_L3_v2.2_*.nc	gpcp	1979-01-2011-06
4	TRMM precipitation	nasa/trmm/pr_TRMM_199801-201803.nc	trmm	1998-01-2018-04
4	GPM precipitation	others/pr_GPM_200006-202101.nc	gpm	2000-06-2021-01
4	ECMWF surface air temperature	others/tas_era5_1979-2018.nc	era5	1979-01-2018-12
4	AIRS near-surface air temperature	nasa/airs/tas_AIRS_200209-201609.nc	airs, tas	2002-09-2016-09
4	GDLAS soil moisture	nasa/gldas/ncep_gldas_mrso1_*.nc nasa/gldas/ncep_gldas_mrso2_*.nc nasa/gldas/ncep_gldas_mrso3_*.nc	gldas	1979-01-2019-06
4	SMAP soil moisture	others/SMAP_L4_SM_201503-202105_reg_grid.nc	smap	2015-03-2021-05
5	WRF aqua-planet control simulations (8)	wrf/st/*.nc wrf/co-tie/*.nc wrf/co-kt/*.nc wrf/mp-wdm/*.nc wrf/mp-mor/*.nc wrf/pbl-nn2/*.nc wrf/pbl-ysu/*.nc wrf/ra-cam/*.nc	wrf	2004-01-2004-12 Year and month do not mean anything in this dataset.
5	WRF aqua-planet climate change simulations (8)	users/ksuselj/St_4K_v1.nc users/ksuselj/COTie_4K_v1.nc users/ksuselj/COkf_4K_v1.nc users/ksuselj/MPwdm_4K_v1.nc users/ksuselj/MPmor_4K_v1.nc users/ksuselj/PBLnn2_4K_v1.nc users/ksuselj/PBLysu_4K_v1.nc users/ksuselj/RACam_4K_v1.nc	ksuselj	2040-01-2004-12 Year and month do not mean anything in this dataset.