

# First ISCCP Regional Experiment (FIRE) Langley DAAC Project/Campaign Document



## Summary:

The First ISCCP Regional Experiments have been designed to improve data products and cloud/radiation parameterizations used in general circulation models (GCMs). Specifically, the goals of FIRE are (1) to improve basic understanding of the interaction of physical processes in determining life cycles of cirrus and marine stratocumulus systems and the radiative properties of these clouds during their life cycles and (2) to investigate the interrelationships between the ISCCP data, GCM parameterizations, and higher space and time resolution cloud data.

To-date, four intensive field-observation periods were planned and executed: a cirrus IFO (October 13 - November 2, 1986); a marine stratocumulus IFO off the southwestern coast of California (June 29 - July 20, 1987); a second cirrus IFO in southeastern Kansas (November 13 - December 7, 1991); and a second marine stratocumulus IFO in the eastern North Atlantic Ocean (June 1 - June 28, 1992). Each mission combined coordinated satellite, airborne, and surface observations with modeling studies to investigate the cloud properties and physical processes of the cloud systems.

This document provides a list of all of the data sets currently archived at the Langley DAAC.

The data sets currently archived at the Langley DAAC are as follows:

Data Set	Long Name
<b>FIRE_AX_CMS_CLOUD</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Centre de Meteorologie Spatiale (CMS) Cloud Classification Data (FIRE_AX_CMS_CLOUD)
<b>FIRE_AX_CMS_LWFLUX</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Centre de Meteorologie Spatiale (CMS) Downward Longwave Flux Data (FIRE_AX_CMS_LWFLUX)
<b>FIRE_AX_CMS_SOLAR_DY</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Centre de Meteorologie Spatiale (CMS) Daily Surface Solar Irradiance (FIRE_AX_CMS_SOLAR_DY)
<b>FIRE_AX_CMS_SOLAR_HR</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Centre de Meteorologie Spatiale (CMS) Hourly Surface Solar Irradiance (FIRE_AX_CMS_SOLAR_HR)
<b>FIRE_AX_CMS_SOLAR_MN</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Centre de Meteorologie Spatiale (CMS) Monthly Surface Solar Irradiance (FIRE_AX_CMS_SOLAR_MN)
<b>FIRE_AX_CMS_SOLAR_WK</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Centre de Meteorologie Spatiale (CMS) Weekly Surface Solar Irradiance (FIRE_AX_CMS_SOLAR_WK)
<b>FIRE_AX_CMS_SST_DAY</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Centre de Meteorologie Spatiale (CMS) Daily Sea Surface Temperature (FIRE_AX_CMS_SST_DAY)
<b>FIRE_AX_CMS_SST_FNTS</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Centre de Meteorologie Spatiale (CMS) Sea Surface Temperature Front Intensity Data (FIRE_AX_CMS_SST_FNTS)
<b>FIRE_AX_CMS_SST_WEEK</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Centre de Meteorologie Spatiale (CMS) Weekly Sea Surface Temperature Front Intensity Data (FIRE_AX_CMS_SST_WEEK)
<b>FIRE_AX_CSU_CEILOM</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Colorado State University (CSU) Ceilometer Data (FIRE_AX_CSU_CEILOM)
<b>FIRE_AX_CSU_PRT6</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus

	Transition Experiment (ASTEX) Colorado State University (CSU) PRT-6 Data (FIRE_AX_CSU_PRT6)
<b>FIRE_AX_CSU_MET_SFC</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Colorado State University (CSU) Meteorological and Radiation Surface Observations (FIRE_AX_CSU_MET_SFC)
<b>FIRE_AX_CSU_WNDPRFS</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Colorado State University (CSU) Wind Profiler Data (FIRE_AX_CSU_WNDPRFS)
<b>FIRE_AX_ECMWF_SFDIAG</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) European Centre for Medium-range Weather Forecasting (ECMWF) Surface Diagnostics (FIRE_AX_ECMWF_SFDIAG)
<b>FIRE_AX_ECMWF_MEANW</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) European Centre for Medium-range Weather Forecasting (ECMWF) Mean Velocity (FIRE_AX_ECMWF_MEANW)
<b>FIRE_AX_ECMWF_BASIC</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) European Centre for Medium-range Weather Forecasting (ECMWF) Basic Fields (FIRE_AX_ECMWF_BASIC)
<b>FIRE_AX_ECMWF_CLOUDS</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) European Centre for Medium-range Weather Forecasting (ECMWF) Cloud Data (FIRE_AX_ECMWF_CLOUDS)
<b>FIRE_AX_ECMWF_DIAG</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) European Centre for Medium-range Weather Forecasting (ECMWF) Diagnostics (FIRE_AX_ECMWF_DIAG)
<b>FIRE_AX_ECMWF_SURFCE</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) European Centre for Medium-range Weather Forecasting (ECMWF) Surface (FIRE_AX_ECMWF_SURFCE)
<b>FIRE_AX_ER2_LIDAR</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) NASA ER-2 Cloud Lidar System Data (FIRE_AX_ER2_LIDAR)
<b>FIRE_AX_ER2_MAS</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) NASA ER-2 Moderate Resolution Imaging Spectrometer (MODIS) Airborne Simulator (MAS) Data (FIRE_AX_ER2_MAS)
<b>FIRE_AX_ERS1_ALTIMTR</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) European Remote Sensing Satellite (ERS1) Altimeter Data (FIRE_AX_ERS1_ALTIMTR)
<b>FIRE_AX_ERS1_MCRWRAD</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) European Remote Sensing Satellite (ERS-1) Microwave Radiometer Data (FIRE_AX_ERS1_MCRWRAD)
<b>FIRE_AX_ERS1_SCTRMTR</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) European Remote Sensing Satellite (ERS-1) Wind Scatterometer Data (FIRE_AX_ERS1_SCTRMTR)
<b>FIRE_AX_ERS1_WINDS</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) European Remote Sensing Satellite (ERS-1) Wind Data (FIRE_AX_ERS1_WINDS)
<b>FIRE_AX_ISCCP_DX</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) International Satellite Cloud Climatology Project (ISCCP) Stage DX Pixel Level Cloud Product - Revised Algorithm Data (FIRE_AX_ISCCP_DX)
<b>FIRE_AX_MAGE_ELECTRA</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Marine Aerosol Gas Exchange (MAGE) NCAR Electra Data (FIRE_AX_MAGE_ELECTRA)
<b>FIRE_AX_MAGE_OCN_AIR</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Marine Aerosol Gas Exchange (MAGE) Oceanus Sulfur in the Air Data (FIRE_AX_MAGE_OCN_AIR)



<b>FIRE_AX_MAGE_OCN_MET</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Marine Aerosol Gas Exchange (MAGE) Oceanus Meteorological Data (FIRE_AX_MAGE_OCN_MET)
<b>FIRE_AX_MAGE_OCN_SEA</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Marine Aerosol Gas Exchange (MAGE) Oceanus Sulfur in the Ocean Data (FIRE_AX_MAGE_OCN_SEA)
<b>FIRE_AX_MAGE_TETROON</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Marine Aerosol Gas Exchange (MAGE) Tetroon Data (FIRE_AX_MAGE_TETROON)
<b>FIRE_AX_MALBAL_SONDE</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) FIRE ASTEX Malcolm Baldrige Radiosonde Data (FIRE_AX_MALBAL_SONDE)
<b>FIRE_AX_METEOSAT</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Meteorological Satellite (METEOSAT) Data (FIRE_AX_METEOSAT)
<b>FIRE_AX_OCEANS_SONDE</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) FIRE ASTEX Oceanus Radiosonde Data (FIRE_AX_OCEANS_SONDE)
<b>FIRE_AX_PORSAN_SONDE</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) FIRE ASTEX Porto Santo Radiosonde Data (FIRE_AX_PORSAN_SONDE)
<b>FIRE_AX_PSU_CEIL_MAL</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Pennsylvania State University (PSU) Malcolm Baldrige Ceilometer Data (FIRE_AX_PSU_CEIL_MAL)
<b>FIRE_AX_PSU_CEIL_SAN</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Pennsylvania State University (PSU) Santa Maria Ceilometer Data (FIRE_AX_PSU_CEIL_SAN)
<b>FIRE_AX_PSU_CEIL_VAL</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Pennsylvania State University (PSU) Valdivia Ceilometer Data (FIRE_AX_PSU_CEIL_VAL)
<b>FIRE_AX_PSU_H2OVAP</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Pennsylvania State University (PSU) Santa maria Microwave Radiometer Data (FIRE_AX_PSU_H2OVAP)
<b>FIRE_AX_PSU_MALBAL</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Pennsylvania State University (PSU) Malcolm Baldrige Data (FIRE_AX_PSU_MALBAL)
<b>FIRE_AX_PSU_WND_MAL</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Pennsylvania State University (PSU) Malcolm Baldrige Wind Profiler Data (FIRE_AX_PSU_WND_MAL)
<b>FIRE_AX_RWSONDE_LVL1</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Rawinsonde Level 1 Data (FIRE_AX_RWSONDE_LVL1)
<b>FIRE_AX_RWSONDE_LVL2</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Rawinsonde Level 2 Data (FIRE_AX_RWSONDE_LVL2)
<b>FIRE_AX_SANMAR_SONDE</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Santa Maria Radiosonde Data (FIRE_AX_SANMAR_SONDE)
<b>FIRE_AX_SFC_FUNCHAL</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Instituto Nacional de Meteorologia e Geofisica (INMG) Funchal Sounding Data (FIRE_AX_SFC_FUNCHAL)
<b>FIRE_AX_SFC_IMAU</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Institute of Marine and Atmospheric Research (IMAU) Santa Maria Surface Data (FIRE_AX_SFC_IMAU)
<b>FIRE_AX_SOF_ARAT_FLT</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Surface of the Ocean, Fluxes and Interaction with the Atmosphere (SOFIA) Avion de Recherche Atmospherique (ARAT) Fokker F27 Aircraft Flight Data (FIRE_AX_SOF_ARAT_FLT)
<b>FIRE_AX_SOF_ARAT_TRB</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus



	Transition Experiment (ASTEX) Surface of the Ocean, Fluxes and Interaction with the Atmosphere (SOFIA) Avion de Recherche Atmospherique (ARAT) Fokker F27 Aircraft Turbulence Data (FIRE_AX_SOF_ARAT_TRB)
<b>FIRE_AX_SOF_BUOY_DFT</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Surface of the Ocean, Fluxes and Interaction with the Atmosphere (SOFIA) Drifting Buoy Data (FIRE_AX_SOF_BUOY_DFT)
<b>FIRE_AX_SOF_BUOY_SPR</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Surface of the Ocean, Fluxes and Interaction with the Atmosphere (SOFIA) Spear Buoy Data (FIRE_AX_SOF_BUOY_SPR)
<b>FIRE_AX_SOF_PTU</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Surface of the Ocean, Fluxes and Interaction with the Atmosphere (SOFIA) Radiosonde Data (FIRE_AX_SOF_PTU)
<b>FIRE_AX_SOF_SUR_BUCK</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Surface of the Ocean, Fluxes and Interaction with the Atmosphere (SOFIA) Le Suroit Bucket (FIRE_AX_SOF_SUR_BUCK)
<b>FIRE_AX_SOF_SUR_DRAK</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Surface of the Ocean, Fluxes and Interaction with the Atmosphere (SOFIA) Le Suroit Microwave Radiometer (DRAKKAR) Data (FIRE_AX_SOF_SUR_DRAK)
<b>FIRE_AX_SOF_SUR_HYD</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Surface of the Ocean, Fluxes and Interaction with the Atmosphere (SOFIA) Le Suroit Hydrophone Data (FIRE_AX_SOF_SUR_HYD)
<b>FIRE_AX_SOF_SUR_MET</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Surface of the Ocean, Fluxes and Interaction with the Atmosphere (SOFIA) Le Suroit Meteorological Data (FIRE_AX_SOF_SUR_MET)
<b>FIRE_AX_SOF_SUR_RAD</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Surface of the Ocean, Fluxes and Interaction with the Atmosphere (SOFIA) Le Suroit Radiation and Pressure Data (FIRE_AX_SOF_SUR_RAD)
<b>FIRE_AX_SOF_SUR_TBAL</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Surface of the Ocean, Fluxes and Interaction with the Atmosphere (SOFIA) Le Suroit Tethered Balloon Data (FIRE_AX_SOF_SUR_TBAL)
<b>FIRE_AX_SUROIT_SONDE</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Le Suroit Radiosonde Data (FIRE_AX_SUROIT_SONDE)
<b>FIRE_AX_UKMO-C130</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) United Kingdom Meteorological Office C-130 Aircraft Data (FIRE_AX_UKMO-C130)
<b>FIRE_AX_UW_C131A</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) University of Washington C-131A Aircraft Flight Data (FIRE_AX_UW_C131A)
<b>FIRE_AX_UW_DSCRT</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) University of Washington C-131A Aircraft Discrete Sample Data (FIRE_AX_UW_DSCRT)
<b>FIRE_AX_UW_GERB_10HZ</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) University of Washington C-131A Aircraft Cloud Microphysics Data (10 Hertz) (FIRE_AX_UW_GERB_10HZ)
<b>FIRE_AX_UW_GERB_1HZ</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) University of Washington C-131A Aircraft Cloud Microphysics Data (1 Hertz) (FIRE_AX_UW_GERB_1HZ)
<b>FIRE_AX_VALDIV_SONDE</b>	First ISCCP Regional Experiment (FIRE) Atlantic Stratocumulus Transition Experiment (ASTEX) Valdivia Radiosonde Data (FIRE_AX_VALDIV_SONDE)
<b>FIRE_C11_ER2_LIDAR</b>	First ISCCP Regional Experiment (FIRE) Cirrus 1 NASA ER-2 Cloud



	Lidar Data (FIRE_C11_ER2_LIDAR)
<b>FIRE_C11_ER2_RAD</b>	First ISCCP Regional Experiment (FIRE) Cirrus 1 NASA ER-2 Radiance Data (FIRE_C12_ER2_RAD)
<b>FIRE_C11_ISCCP_DX</b>	First ISCCP Regional Experiment (FIRE) Cirrus 1 International Satellite Cloud Climatology Project (ISCCP) Stage DX Pixel Level Cloud Product - Revised Algorithm Data (FIRE_C11_ISCCP_DX)
<b>FIRE_C11_KINGAIR</b>	First ISCCP Regional Experiment (FIRE) Cirrus 1 National Center for Atmospheric Research (NCAR) Kingair Aircraft Data (FIRE_C11_KINGAIR)
<b>FIRE_C11_LARC8_LIDAR</b>	First ISCCP Regional Experiment (FIRE) Cirrus 1 Langley Research Center (LARC) Eight Inch Lidar Data (FIRE_C11_LARC8_LIDAR)
<b>FIRE_C11_SDF</b>	First ISCCP Regional Experiment (FIRE) Cirrus 1 Standard Data Format Data (FIRE_C11_SDF)
<b>FIRE_C12_CITATN_1HZ</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 University of North Dakota Citation Aircraft 1 Hertz Data (FIRE_C12_CITATN_1HZ)
<b>FIRE_C12_CITATN_5SEC</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 University of North Dakota Citation Aircraft 1/5 Hertz Data (FIRE_C12_CITATN_5SEC)
<b>FIRE_C12_CITATN_IWC</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 University of North Dakota Citation Aircraft Ice Water Content Analysis Data (FIRE_C12_CITATN_IWC)
<b>FIRE_C12_CITATN_PMS</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 University of North Dakota Citation Aircraft Particle Measuring System Probe Data (FIRE_C12_CITATN_PMS)
<b>FIRE_C12_CITATN_24HZ</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 University of North Dakota Citation Aircraft 24 Hertz Data (FIRE_C12_CITATN_24HZ)
<b>FIRE_C12_CLASS_SONDE</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 Cross-Chain Loran Acoustic Sounding System (CLASS) Rawinsonde Data (FIRE_C12_CLASS_SONDE)
<b>FIRE_C12_CSU_PRT6</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 Colorado State University (CSU) PRT-6 Data (FIRE_C12_CSU_PRT6)
<b>FIRE_C12_CSU_SONDES</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 Colorado State University (CSU) Rawinsonde Data (FIRE_C12_CSU_SONDES)
<b>FIRE_C12_CSU_STN1</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 Colorado State University (CSU) Station 1 Data (FIRE_C12_CSU_STN1)
<b>FIRE_C12_CSU_STN2</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 Colorado State University (CSU) Station 2 Data (FIRE_C12_CSU_STN2)
<b>FIRE_C12_CSU_WNDPRFS</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 Colorado State University (CSU) Wind Profiler Data (FIRE_C12_CSU_WNDPRFS)
<b>FIRE_C12_DOPLR_LIDAR</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 National Oceanic and Atmospheric Administration (NOAA) Carbon Dioxide (CO2) Doppler Lidar (FIRE_C12_DOPLR_LIDAR)
<b>FIRE_C12_ER2_MAS</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 NASA ER-2 Moderate Resolution Imaging Spectrometer (MODIS) Airborne Simulator (MAS) Data (FIRE_C12_ER2_MAS)
<b>FIRE_C12_ETL_RADAR</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 Environmental Technology Laboratory (ETL) Doppler Radar Images (FIRE_C12_ETL_RADAR)
<b>FIRE_C12_HIS</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 High-resolution Interferometer Sounder (HIS) Data (FIRE_C12_HIS)
<b>FIRE_C12_HSRL</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 High Spectral Resolution Lidar (HSRL) Data (FIRE_C12_HSRL)
<b>FIRE_C12_VIL_RTI</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 Volume Imaging Lidar (VIL) Altitude vs. Time (RTI) Data (FIRE_C12_VIL_RTI)
<b>FIRE_C12_VIL_SCAN</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 Volume Imaging Lidar (VIL) Cirrus Scan Data (FIRE_C12_VIL_SCAN)
<b>FIRE_C12_ISCCP_DX</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 International Satellite Cloud Climatology Project (ISCCP) Stage DX Pixel Level Cloud Product - Revised Algorithm Data (FIRE_C12_ISCCP_DX)
<b>FIRE_C12_KINGAIR</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 National Center for Atmospheric Research (NCAR) Kingair Aircraft Data (FIRE_C12_KINGAIR)



<b>FIRE_CI2_LARC8_LIDAR</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 Langley Research Center (LARC) Eight Inch Lidar (FIRE_CI2_LARC8_LIDAR)
<b>FIRE_CI2_MAPS</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 Mesoscale Analysis and Prediction System (MAPS) Data (FIRE_CI2_MAPS)
<b>FIRE_CI2_NOAA_WNDPFS</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 National Oceanic and Atmospheric Administration (NOAA) Wind Profiler Data (FIRE_CI2_NOAA_WNDPFS)
<b>FIRE_CI2_NWS_IN_SND</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 National Weather Service (NWS) Inner-network Rawinsonde Data (FIRE_CI2_NWS_IN_SND)
<b>FIRE_CI2_NWS_OUT_SND</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 National Weather Service (NWS) Outer-network Rawinsonde Data (FIRE_CI2_NWS_OUT_SND)
<b>FIRE_CI2_PAMS</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 Portable Automated Mesonet Station (PAMS) Data (FIRE_CI2_PAMS)
<b>FIRE_CI2_RAMAN_LIDAR</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 Raman Lidar Data (FIRE_CI2_RAMAN_LIDAR)
<b>FIRE_CI2_SABRELINER</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 National Center for Atmospheric Research (NCAR) Sabreliner Aircraft Data (FIRE_CI2_SABRELINER)
<b>FIRE_CI2_SKYCAMERA</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 Sky Imaging Video Camera Data (FIRE_CI2_SKYCAMERA)
<b>FIRE_CI2_SPECT_SIRIS</b>	First ISCCP Regional Experiment (FIRE) Cirrus 2 Spectral Radiance Experiment (SPECTRE) Stratospheric Infrared Interferometer Spectrometer (SIRIS) High-Spectral-Resolution Emission Data (FIRE_CI2_SPECT_SIRIS)
<b>FIRE_MS_CEILOM_CLASS</b>	First ISCCP Regional Experiment (FIRE) Marine Stratocumulus Ceilometer and Cross-chain Loran Atmospheric Sounding System (CLASS) Data (FIRE_MS_CEILOM_CLASS)
<b>FIRE_MS_CSU_RADSURF</b>	First ISCCP Regional Experiment (FIRE) Marine Stratocumulus Colorado State University (CSU) Surface Radiation Data (FIRE_MS_CSU_RADSURF)
<b>FIRE_MS_CSU_TBALLOON</b>	First ISCCP Regional Experiment (FIRE) Marine Stratocumulus Colorado State University (CSU) Tethered Balloon Data (FIRE_MS_CSU_TBALLOON)
<b>FIRE_MS_ELECTRA</b>	First ISCCP Regional Experiment (FIRE) Marine Stratocumulus National Center for Atmospheric Research (NCAR) Electra Aircraft Data (FIRE_MS_ELECTRA)
<b>FIRE_MS_ER2_LIDAR</b>	First ISCCP Regional Experiment (FIRE) Marine Stratocumulus NASA ER-2 Cloud Lidar System Data (FIRE_MS_ER2_LIDAR)
<b>FIRE_MS_ISCCP_DX</b>	First ISCCP Regional Experiment (FIRE) Marine Stratocumulus International Satellite Cloud Climatology Project (ISCCP) Stage DX Pixel Level Cloud Product - Revised Algorithm Data (FIRE_MS_ISCCP_DX)
<b>FIRE_MS_MCRW_RAD</b>	First ISCCP Regional Experiment (FIRE) Marine Stratocumulus National Oceanic and Atmospheric Administration (NOAA) Microwave Radiometer Data (FIRE_MS_MCRW_RAD)
<b>FIRE_MS_NOAAWNDS</b>	First ISCCP Regional Experiment (FIRE) Marine Stratocumulus National Oceanic and Atmospheric Administration (NOAA) Wind Profiler Data (FIRE_MS_NOAAWNDS)
<b>FIRE_MS_UKMO_C130</b>	First ISCCP Regional Experiment (FIRE) Marine Stratocumulus United Kingdom Meteorological Office (UKMO) C-130 Aircraft Data (FIRE_MS_UKMO_C130)

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## 1. Project/Campaign Overview:

### Name of Project/Campaign:

First ISCCP Regional Experiment (FIRE)

### Project/Campaign Introduction:

See above.

### Project/Campaign Mission Objectives:

...

### Discipline(s):

...

### Geographic Region(s):

The project is involved with field campaigns. The experiments vary from collecting data from a specific location to data collected from the entire globe.

### Detailed Project/Campaign Description:

...

## 2. Data Availability:

### Data Type(s):

The data formats vary for each data set. Data are available in ASCII, native binary format (GENPRO and SDF), netCDF HDF, HDF, and GIF.

### Input/Output Media:

These data can be obtained via FTP.

### Proprietary Status:

These data are free for public use.

## 3. Data Access:

### Data Center Location:

Langley DAAC User and Data Services Office  
NASA Langley Research Center  
Mail Stop 157D  
Hampton, Virginia 23681-2199  
USA  
Telephone: (757) 864-8656  
FAX: (757) 864-8807

E-mail: [support-asdc@earthdata.nasa.gov](mailto:support-asdc@earthdata.nasa.gov)

### Contact Information:

Please contact the Langley DAAC User and Data Services Office (see above).



## Associated Costs:

There is no cost for obtaining these data sets.

## 4. Principal Investigator Information:

...

## 5. Submitting Investigator Information:

...

## 6. References:

...

## 7. Glossary and Acronyms:

[EOSDIS Acronyms](#) (PDF).

## 8. Document Information:

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