



EARTH SYSTEM SCIENCE

Data and Services

OCEAN Data Set Reference Sheet

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Physical Properties	Data Center	Selected Data Sets and Data Collections <i>Complete data set listings available through each individual data center. For more information about NASA's Earth Observing System Data and Information System (EOSDIS) data centers, see: http://nasadaacs.eos.nasa.gov</i>
Surface Temperature SST	ASDC http://eosweb.larc.nasa.gov	<ul style="list-style-type: none"> • First ISCCP Regional Experiment (FIRE) data sets
	GES DISC http://disc.gsfc.nasa.gov	<ul style="list-style-type: none"> • Ocean Color Time Series Products, through Giovanni tool
	GHRC http://ghrc.nsstc.nasa.gov	<ul style="list-style-type: none"> • TRMM Microwave Imager (TMI) Wentz Ocean Products (SST under all cloud conditions, plus surface wind speed and other atmospheric parameters) • Advanced Microwave Sounding Unit-A (AMSU-A) Swath from NOAA-15, NOAA-16, NOAA-17
	NSIDC DAAC http://nsidc.org/daac	<ul style="list-style-type: none"> • AMSR-E/Aqua Daily, Weekly, and Monthly L3 Global Ascending/Descending .25x.25 deg Ocean Grids • AMSR-E/Aqua L2B Global Swath Ocean Products derived from Wentz Algorithm
	OceanColor Web http://oceancolor.gsfc.nasa.gov/	<ul style="list-style-type: none"> • MODIS/Terra and MODIS/Aqua Level-2 Standard SST Product • MODIS/Terra and MODIS/Aqua Level-3 Binned SST Products [daily, 8-day, monthly, monthly climatology, seasonal, seasonal climatology, and yearly files] • MODIS/Terra and MODIS/Aqua Level-3 Standard Mapped SST Products [daily, 8-day, monthly, monthly climatology, seasonal, seasonal climatology, and yearly files]
	PO.DAAC http://podaac.jpl.nasa.gov	<ul style="list-style-type: none"> • Group for High Resolution Sea Surface Temperature (GHRSSST) L2P, L3 and L4 SST products • AVHRR Oceans Pathfinder 4km Global SST • AVHRR Oceans Pathfinder 9km Global SST and Buoy Match-up Data • AVHRR Pathfinder Global 9km SST Climatology • NSIPP AVHRR Pathfinder and Erosion Global 9km SST Climatology • AVHRR Gridded 18km MCSST Level 3 (NAVOCEANO) and NAVOCEANO MCSST Level 2 HRPT/LAC Data • AVHRR Orbital 9km MCSST Level (NAVOCEANO) • AVHRR Weekly Global 18km Gridded MCSST (Univ of Miami) • GOES L3 6km Near-Real-Time SST (NOAA/NESDIS) • Global Ocean Surface Temperature Atlas Plus (GOSTAplus) • MODIS/Terra Global Level 3 Mapped Thermal and Mid-IR SST* • MODIS/Aqua Global Level 3 Mapped Thermal and Mid-IR SST* • NCEP Reynolds Optimally Interpolated SST • NCEP Reynolds Extended Reconstructed Sea Surface Temperatures SST
Ocean Surface Topography Height, waves, sea level, tide models	ASDC http://eosweb.larc.nasa.gov	<ul style="list-style-type: none"> • First ISCCP Regional Experiment (FIRE) data sets
	NSIDC DAAC http://nsidc.org/daac	<ul style="list-style-type: none"> • GLAS/ICESat L2 Global Ocean Altimetry Data
	PO.DAAC http://podaac.jpl.nasa.gov	<ul style="list-style-type: none"> • Jason-1 Sea Surface Height Anomaly Products (Along-Track and Along-Track Gridded) • Jason-1 OSDR (Operation Sensor Data Record) • Jason-1 IGDR (Interim Geophysical Data Record) • Jason-1 Geophysical Data Record (GDR) • TOPEX/POSEIDON Sea Surface Height Anomaly Products (Along-Track and Along-Track Gridded) • TOPEX/POSEIDON Altimeter Merged Geophysical Data Record (MGDR) Generation B • Altimeter Ocean Pathfinder Sea Surface Height Anomalies from the following missions: TOPEX/POSEIDON, GEOSAT ERM, GFO, ERS-1, ERS-2 • Monthly Steric Sea Level from Jason-1 and GRACE • Dynamic Ocean Topography (DOT) • Ocean Surface Currents - OSCAR

Phytoplankton & Dissolved Organic Matter	OceanColor Web http://oceancolor.gsfc.nasa.gov/	<ul style="list-style-type: none"> • MODIS/Aqua Level-2 Standard Ocean Color Product [normalized water-leaving radiances at 6 visible wavelengths, chlorophyll-a concentration, diffuse attenuation coefficient plus parameters related to aerosol corrections] • SeaWiFS Level-2 Standard Ocean Color Product [same geophysical parameter set] • OCTS Level-2 Standard Ocean Color Product [same geophysical parameter set] • CZCS Level-2 Standard Ocean Color Product [same geophysical parameter set, with 4 visible wavelengths] • MODIS/Aqua, SeaWiFS, OCTS, and CZCS Level-3 Binned Ocean Color Products [All Level-2 parameters in daily, 8-day, monthly, monthly climatology, seasonal, and yearly products, plus seasonal climatology for MODIS/Aqua] • MODIS/Aqua, SeaWiFS, OCTS, and CZCS Level-3 Standard Mapped Image Ocean Color Products [Chlorophyll-a, the normalized water-leaving radiance closest to 550 nm for each instrument, diffuse attenuation coefficient (except for CZCS), aerosol optical depth, and angstrom coefficient, separately available for all temporal resolutions corresponding to the Level-3 Binned Products, plus 32-day rolling products for MODIS/Aqua and SeaWiFS] • MODIS/Terra Level-3 Ocean Color Products [A limited set starting from January 2007 of Level-3 Binned and Mapped Image Products] • SeaWiFS Level-3 PAR Binned and Mapped Image Products [Photosynthetically Active Radiation reaching the ocean surface, available in daily, 8-day, monthly, seasonal, and yearly files] • MODIS/Aqua Merged Chlorophyll (Combined MODIS-SeaWiFS data daily, 8-day, monthly, seasonal, and yearly products, plus a rolling 32-day composite)
	GES DISC http://disc.gsfc.nasa.gov	<ul style="list-style-type: none"> • Ocean Color Time Series Products, through Giovanni tool
Surface Wind Fields	ASDC http://eosweb.larc.nasa.gov	<ul style="list-style-type: none"> • First ISCCP Regional Experiment (FIRE) data sets • Surface meteorology and Solar Energy (SSE) data set
	GHRC http://ghrc.nsstc.nasa.gov	<ul style="list-style-type: none"> • SSM/I Daily Gridded/Swath Oceanic Wind Speed • TRMM Microwave Imager (TMI) Wentz Ocean Products (with other atmospheric parameters plus SST under all cloud conditions)
	NSIDC DAAC http://nsidc.org/daac	<ul style="list-style-type: none"> • AMSR-E/Aqua Daily, Weekly, and Monthly L3 Global Ascending/Descending .25x.25 deg Ocean Grids • AMSR-E/Aqua L2B Global Swath Ocean Products derived from Wentz Algorithm
	PO.DAAC http://podaac.jpl.nasa.gov	<ul style="list-style-type: none"> • BYU Daily Browse Images of NSCAT Sigma-0 Measurements • BYU Daily Browse Images of QuikSCAT Sigma-0 Measurements • BYU Daily Browse Images of SeaWinds Sigma-0 Measurements • SeaWinds on QuikSCAT Level 2B and Level 3 Ocean Wind Vectors • SeaWinds on ADEOS-II Level 2B and Level 3 Ocean Wind Vectors • SeaWinds on ADEOS-II Level 2B and Level 3 Winds with AMSR Corrections • SeaWinds on ADEOS-II Level 2B and Level 3 Winds with AMSR • NSCAT Science Product, Levels 1.7, 2, 3 • NSCAT Global 25km Sigma-0 and Ocean Winds • Seasat Scatterometer Products • SSM/I Derived Global Ocean Surface Wind Components • Cross-Calibrated Multi-Platform (CCMP) Ocean Surface Wind Vector • Nimbus-7 SMMR Ocean Wind Speed
Multi-Parameter Data Collections	ASDC http://eosweb.larc.nasa.gov	<ul style="list-style-type: none"> • First ISCCP Regional Experiment (FIRE) data sets • CLAMS data sets • Global Tropospheric Experiment (GTE) data sets
	GHRC http://ghrc.nsstc.nasa.gov	<ul style="list-style-type: none"> • TRMM Microwave Imager (TMI) Wentz Ocean Products (Cloud liquid water, atmospheric water vapor, precipitation rate, wind speeds, and SSTs) • Advanced Microwave Sounding Unit-A (AMSU-A) Swath from NOAA-15, NOAA-16, NOAA-17
	NSIDC DAAC http://nsidc.org/daac	<ul style="list-style-type: none"> • AMSR-E/Aqua Daily, Weekly, and Monthly L3 Global Ascending/Descending .25x.25 deg Ocean Grids • AMSR-E/Aqua L2B Global Swath Ocean Products derived from Wentz Algorithm
	PO.DAAC http://podaac.jpl.nasa.gov	<ul style="list-style-type: none"> • GEOSAT Altimeter Geophysical Parameters Collocated with NDBC Buoy Data • Sea Surface Temperature and Height, Global 0.5 and 1.0 degree grids (JPL, WOCE v3)
Gravity Gravity Field Models, Measurements	CDDIS http://cddis.gsfc.nasa.gov	<ul style="list-style-type: none"> • Ground Network/Satellite Measurements: Daily, hourly, and sub-hourly code and phase observations from GNSS ground network; Daily and hourly files of round trip time of flight from satellite laser ranging (SLR) ground network; Time-tagged range-rate measurements from DORIS ground network • Station positions and velocities from GNSS, SLR, VLBI and DORIS ground networks
	PO.DAAC http://podaac.jpl.nasa.gov	<ul style="list-style-type: none"> • GRACE Level 2 Monthly Gravity Field Estimates • Surface Mass Density Changes from GRACE (monthly mass grids of water equivalent thickness)