



OmniGlobe® Content List

Key

- Image: Image that can be rotated or tilted (some have layers that can be turned on and off)
 IA or Movie: Interactive Animation or Movie showing changes over time
 Real-time: Downloads data from the internet every 3-6 hours and updates image
 Value Added: 1: Reformatted, 2: Quality Enhanced, 3: Design Enhanced, 4: Graphics Redesign, 5: ARC Original

Content for the OmniGlobe	Value Added	Single Image	Interactive Animation	Movie	Attribution
Visible Earth					
Natural Earth with Visible Clouds	5	x			ARC Science
Natural Cloudless Earth	5	x			ARC Science
Natural Earth with Clouds Fading In/Out	5			x	ARC Science
Diurnal Earth with Clouds and City Lights	5			x	ARC Science
Real-time Clouds (subscription)			x		SSEC, ARC Science
Seasonal Earth with ice, snow, and vegetation	4		x		NASA, NOAA, ARC Science
Global Fires, 2000 and 2007	4		x		NASA/GSFC
Geophysical					
Earthquakes (4/20/06 - 4/27/06)			x		USGS, SSEC
Cumulative Earthquakes (1980 - 1995)			x		NASA/GSFS
Magnetic Lines	3		x		NOAA NGDC
Magnetism/magnets	3		x		NOAA NGDC
Magnetic Declination	3		x		NOAA NGDC
World-Human Related					
Soil Resources Maps (Collection of 20 images)	3	x			USDA/NRCS
Global Soil Regions	3	x			USDA NRCS
Soil Moisture Regimes	3	x			USDA NRCS
Soil Temperature Regimes	3	x			USDA NRCS
Biomes	3	x			USDA NRCS
Major Land Stresses	3	x			USDA NRCS
Inherent Land Quality	3	x			USDA NRCS
Desertification	3	x			USDA NRCS
Water Erosion	3	x			USDA NRCS
Wind Erosion	3	x			USDA NRCS
Human Induced Desertification	3	x			USDA NRCS
Human Induced Water Erosion	3	x			USDA NRCS
Human Induced Wind Erosion	3	x			USDA NRCS
Anthropic Landscapes	3	x			USDA NRCS
Anthropic Tension Zones	3	x			USDA NRCS

Soil Organic Carbon	3	x		USDA NRCS
Soil Inorganic Carbon	3	x		USDA NRCS
Wetlands	3	x		USDA NRCS
Water Holding Capacity	3	x		USDA NRCS
Phosphorous	3	x		USDA NRCS
Global Population Density	3	x		USDA NRCS
Image Collections				
Ocean				
NASA Sea Currents			x	NASA, Los Alamos NL
NASA Global Sea Surface Temp. Model			x	NASA, Los Alamos NL
NCDC SST Anomaly Data (1980-1999)			x	NOAA/NCDC
SST: Fleet Numerical			x	Fleet NMOC, Navy CODA, NOAA
SST: MODIS			x	NASA/GSFC
Depth of the 26 degree Isotherm (2005)			x	NOAA/AOML
Indian Ocean Tsunami Model (Dec. 26, 2004)			x	NOAA/GSD
SSEC Dart Buoy Locations			x	SSEC
Worldwide Buoy Locations			x	NOAA/GSD
Argo Buoy Tracks			x	NOAA/GSD
Argo Buoy Movement			x	NOAA/GSD
Ocean Acidification			x	NOAA/PMEL
6m Sea Level Rise	5		x	ARC Science
Sea Ice Concentration & Snow Cover (05-06)			x	NASA/GSFC
Sea Ice Concentration 2005-2007			x	NOAA/NSIDC
Minimum Sea Ice Concentration & snow cover			x	NOAA/NSIDC
September Sea Ice 1987 - 2007			x	NOAA/NSIDC
Atmosphere				
Global Satellite IR 2004 Hurrigan Season			x	NOAA
2005 Hurricane Season: Gray Scale IR Satellite			x	NOAA
2005 Hurricane Season: Water Vapor with SST			x	SSEC, NOAA
Hurricane Tracks (2000-2006)			x	NOAA/NGDC
Historical Terrestrial Air Temp. Data (1950-1999)			x	NOAA/NCDC
NOAA's Carbon Tracker			x	NOAA/ESRL
Carbon Flux			x	NOAA/ESRL
Black Carbon Aerosol Optical Thickness			x	NASA/GMAO
Black Carbon & Sulfate Aerosol Optical Thickness			x	NASA/GMAO
Sulfate Aerosol Optical Thickness			x	NASA/GMAO
Carbon Monoxide in 2000			x	NASA/GSFC
Earth Observing System A-Train			x	SSEC
ACARS Flight Tracks			x	NOAA
ACARS Wind Measurements			x	NOAA
Global Unified Profiling System, GUPS			x	NOAA/GSD
Atmospheric IR Sounder - Aqua spacecraft				
AIRS 1000 -700mb Precipitable Water			x	NASA/JPL
AIRS 700 - 500mb Precipitable Water			x	NASA/JPL
AIRS 500 - 100mb Precipitable Water			x	NASA/JPL
AIRS 300mb - Temperature			x	NASA/JPL
AIRS 500mb - Temperature			x	NASA/JPL
AIRS 925mb - Temperature			x	NASA/JPL

Models and Simulations				
300 Million Year Paleo-Geographic Animation	5		x	Ron Blakey, ARC Science
600 Million Year Paleo-Geographic Animation	5		x	Ron Blakey, ARC Science
Landsat 7 Orbiting Cloudless Diurnal Earth	5			x ARC Science
IPCC Temperature Change, GFDL Model			x	Geophysical Fluid Dynamics Lab
IPCC Temperature Change, CCSM Model			x	National Center for Atmospheric Res.
IPCC Temperature Change, IKMET Model			x	UK Meteorology Office
IPCC Precipitation Anomaly, GFDL Model			x	NOAA/GFDL
GFDL Sea Ice Modeling (1861-2100)			x	NOAA/GFDL
NASA Global Sea Surface Temperature Model			x	NASA, Los Alamos NL
Indian Ocean Tsunami Model, Dec. 26, 2004			x	NOAA
Astronomy				
Solar System				
Mercury	3	x		
Venus		x		
Venus Topography		x		
Earth with Clouds	5	x		
Cloudless Earth	5	x		
Earth Topography		x		
Moon	1	x		Clementine/Jens Meyer
Moon Landings	2	x		NASA/GSFC
Mars		x		
Mars with Clouds		x		
Mars Topography		x		
Mars Magnetic Field		x		
Mars MOLA		x		
Jupiter		x		
Jupiter Cloud Animation			x	
Io		x		
Europa		x		
Ganymede		x		
Callisto		x		
Saturn		x		
Mimas		x		
Enceladus		x		
Tethys		x		
Dione		x		
Rhea		x		
Titan		x		
Iapetus		x		
Phoebe		x		
Uranus		x		
Ariel		x		
Umbriel		x		
Titania		x		
Oberon		x		
Miranda		x		
Neptune		x		
Triton		x		
Solar System Collection		x		18 Images of the Sun, Planets & Moons
Universe		x		
Milkyway-Full Deep Sky		x		Axel Mellinger
Milkyway-Constellations		x		Axel Mellinger
WMAP First Year		x		

WMAP Third Year		x			
Other possible content not yet developed					
Future Pangea - The next 200 million years of Earth Plate-Tectonics			x	x	
Anthropogenic Topics					
History of Exploration		x	x		
Geopolitics (centers of power, rise and fall of empires)		x	x		
Distribution of population, migration		x	x		
Famines		x	x		
Spread of Religion		x	x		
Spread of diseases		x	x		
Traffic					
Shipping traffic and shipping routes		x	x		
Air traffic and air routes		x	x	x	
Satellite orbits and their sphere of action		x	x	x	
Economics					
Fishing areas		x			
Crop yield		x			
Energy resources		x			
Economic power		x			
Company locations (product lines, factories)		x	x		
Presentation (shopping malls, exhibitions, museums)		x	x		
Alliances, Pacts, Military power, Conflicts					
Military alliances, pacts		x			
Defense industry (and bases)		x			
Political formation (in the course of time)		x	x		
Conflicts, wars		x	x		
Wildlife					
Migrations Patterns		x	x		
Bird Flu incidences		x	x		
Habitats		x	x		
Endangered species		x	x		
Extinction patterns		x	x		

New content for the OmniGlobe is only as limited as the imagination. ARC can create custom imagery, animations or movies for the OmniGlobe based on your ideas or we can work with 3rd party media companies to create content specific to your needs. Please inquire for information about how to create your own content for the OmniGlobe Spherical Display!