

Which data tool is right for you? V.2



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data tools
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National Aeronautics
and Space Administration



This guide highlights some of the data tools available for discovering, browsing, and accessing NASA Earth science data. By knowing common tasks the tools can accomplish, you'll have more time to process data and maximize scientific return.

KEY		TOPICS									
		Atmosphere	Biosphere	Climate Indicators	Cryosphere	Human Dimensions	Land Surface	Ocean	Solid Earth	Sun-Earth Interactions	Terrestrial Hydrosphere
DATA TASKS	Explore/Find Data										
	Co-locate variables ¹										
	Narrow Down/Subset Data → Subset Spatially for a Point										
	Narrow Down/Subset Data → Subset Spatially for an Area										
	Access/Get Data → Download data directly										
	Customize/Transform Data → Reformat data										
	Analyze Data → Analyze in-browser										
	Analyze Data → Correlate variables										
	Analyze Data → Create time series										
	Analyze Data → Detect Change										
	Analyze/Visualize Data → Visualize primary variables										
	Application Programming Interface (API) available										
	Download requires Earthdata Login										
	GIS-Friendly Output/Integration										
Programming skills required											
Includes entire NASA Earth science data archive											
Web-based Local install											
Browse Download ²											
1. A variable is any of a set of physical properties whose values determine the characteristics or behavior of something. For example, variables of the atmosphere include temperature, pressure, and density. 2. Download includes downloading subsets of data.	Earthdata Topic Areas										N/A

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