

Accessing MODIS Data Products

Perspective from MODIS Atmospheres Research Community

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Archive to Desktop: A Simple Process?

❑ Selection

- » **What product?**
- » **What time or location?**
- » **Product file “as is” or subset or image?**

❑ Staging + [subsetting, processing, reformatting, etc]

❑ Delivery

- » **pull, push, tape, etc**

❑ Help

- » **software tools, delivery failures, etc.**

Conclusions

❑ Selection

- » EDG & No-Frills tools have perhaps 50% of desired functionality
- » Search-and-wait interface is not adequate for serious research
- » Geographic searches include excessive near misses
- » MODIS product packaging remains a big issue

❑ Staging

- » Can take 5 minutes or 48 hours
- » Failures have come down a lot in the past year
- » Demand on system resources limits orders

❑ Delivery

- » FTP pulls are most reliable
- » Product volume is probably the greatest obstacle

❑ Help

- » Better tools, better examples, better images are still needed

Selection Roadblocks

❑ For the novice:

- » **Navigating the ESDT and collection number maze**
- » **Products packaged with too many parameters**
- » **Selecting data with the right time and/or location**
- » **No useful browse images**

❑ For the repeat/experienced user:

- » **Order size limits**
- » **EDG has useful functionality, but is torture to use**
- » **No Frills GDAAC interface can't always do what I need**
- » **Both are painful for repetitive ordering**
- » **Acquiring multiple products should be easy, but isn't**
- » **Geographic searches produce many near misses**

EOS Data Gateway: The Carpal Tunnel GUI

- ❑ **EDG Login**
- ❑ **Select ESDT(s) and Granule search criteria**
 - » **Click to Start Search & Wait for search...**
 - » **Click to Select All**
 - » **Click to Add to Cart**
 - » **Click to Accept Data Quality Statement**
 - » **Click to Accept Quality Assurance Disclaimer**
 - » **Click Order Options**
 - » **Click to Select Native Granule FTP Pull**
 - » **Click to Accept my Choice**
 - » **Click Go to Step 2**
 - » **Click Go to Step 3**
 - » **Click Go to Step 4 & Wait for search...**

Wish List of Most Requested Changes

- ❑ Streamline EDG and No Frills for repeat customers**
- ❑ If I already know what I want, please just send it!**
 - » MOD021KM.A2002187.1550.003.xxxx**
 - » Ditto for MOD03, MOD35_L2, MOD04_L2, etc.**
- ❑ Data pool with FTP interface for machine data acquisition**
- ❑ A geographical search tool that really works**
- ❑ Easy ordering of many products for a single 5-minute granule**