Digital Earth (Wilkinson 210) Notes for Students

Spring 2010

General Features

Digital Earth is equipped with 30 student workstations, an instructor workstation and a file server (\\DigitalE). The workstations are Dell small form factor machines with 2.66 GHz Core2 Quad processor, 8.0GB RAM, 160GB hard drive and 256 Mb video cards. Each computer is set up to dual boot. The default OS is Windows XP professional service pack 3 the optional OS is VISTA 64. Currently only ENVI 4.5/64, ArcGIS 9.3 and Microsoft Office 2007are installed on the Vista side.

The server is a Dell PV600 with two 2.0 MHz Xeon quad processors, *GB RAM, and 4 TB of hard drives in a RAID configuration. The classroom also has a Sanyo overhead projector, a HP LaserJet 5200 black and white printer with duplexer and prints up to 11"x17", a HP Color LaserJet 5500 with duplexer and prints up to 11"x17", and a HP DesignJet 800 42" color plotter.

Classroom Hours and Access
There is a current class schedule on the Digital Earth web page http://dusk.geo.orst.edu/de (select Teaching Schedule). Weekly schedules are posted outside the door to Wilkinson 210 and on the wall behind the instructor's work station. Digital Earth may be closed from time to time for special events. Check the schedule regularly.

Please no food or drink in the classroom.

Logging On and Using the System
All students will need a Science account to logon to computers and access the server (\\DigitalE   ). Local drives (C:\)are not secure and are cleaned from time to time. That is, *My Documents* and *C:\Temp* are not safe places to store data and assignments. You should map your workspace to the server (see below). Students are responsible for backing up their own data. **The server is backed up nightly but, none of the workstations in Digital Earth are backed up.**

To log on: Type ctrl-alt-delete, read the message then select OK to access the Log on to Windows wizard. Make sure SCIENCE is selected in the Log on to: box. Complete the wizard with your user name and password. If this your first time logging on with a SCIENCE account you will to use your ONID user name and "temp123" for your password. If you are not prompted to do so, **please change your password after you successfully log on, Ctrl-Alt-Delete to change your password.**
Suggestion: Change your password to match your ONID password. Students with Science accounts assigned by COSINe will use those accounts to log on. All other students will be given a temporary Science account and will log on as described above.

Mapping a drive to your class folder: Open My Computer, select Tools from the menu bar and then select Map Network Drive… In the dialog box type or select **S:** as the Drive and type \\digitale\class name (e.g., \\digitale\Geo365) in the Folder box. Make sure "Reconnect at logon" is checked. If you are asked for a user name and password enter your SCIENCE account credentials (science\username and password). You should be able to access this workspace from any computer on campus using Log on to: SCIENCE. Access restrictions vary from domain to domain (domain = ONID, SCIENCE, FORESTRY, etc.). Check with your Department Computer Administrator (DCA) regarding how to access your files across domains.
Each class is provided with four folders.

- Data – a place where Instructors and TAs can place files for student access.
- Drop – a place where electronic assignments can be dropped. Students can not see, delete or alter a file once it has been placed in the "Drop Box". You can drop another file with a different name if you want to make changes.
- Instructor – instructor and TA work space
- Student – contains a folder for each student. Students will only be able to read/write/delete the contents of their own folder.

Adding a printer: Printers (HP LaserJet 5200 on GEOPS or HP Color LaserJet on GEOPS) should be mapped automatically to you user profile. If this failed, there are instructions for adding a network printer in Helpful Tips. However, because of inconsistencies with the network, I recommend using this simple method.

In the Address line of My Computer type \\geops\, stop there and DO NOT press Enter. A drop down list of all the shared folders and devices on the GEOPS server should appear. Scroll through the list and select one of these printers: HP LaserJet 5200 or HP Color LaserJet. Make sure you do not select Wilk210Plotter or Wilk210HPGL_Plotter unless you are ready to print a poster. Be sure to select the HP LaserJet 5200 as your default printer.

Mapped drives and printers will **only** be saved on the local machine profile. If the same machine is used and 'Reconnect at login' was selected, the drive should reappear in My Computer. If you move to another machine you will need to map the drives and printers again.
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NOTE: The first time you use Internet Explorer or Microsoft Office the system may ask for some setup information. Before starting other programs start Internet Explorer and then any Microsoft Office Program (e.g., Word, Excel, and Power Point) and follow the instructions in the wizard. See your instructor for help getting through these wizards.

Printing
The printers are supported by the Department of Geosciences. You are charged a laboratory fee, part of which helps off set the cost for printing. Fees do not cover 100% of printing costs. You should use the printing resources judiciously. You are responsible for managing your printer use. If students zero out their credit they will be prohibited from printing in Digital Earth. Print

quotas are set at $25.00 undergraduate and $30.00 for graduate students. Exception: Geo 103 had a credit of $5.00.

Printing activity is monitored. If you exceed your quota you will be prohibited from printing. NO ADDITIONAL CREDIT WILL BE GIVEN. There is a program called Print Manager Plus–Client that will display current printing account balance. An icon for this program should be located on the far right of the Windows tool bar. Black and white printing costs $0.10 per page and color is $0.45 per page. You can always print from other locations on campus such as the Student Computing Facilities (SCF) at Milne, Education Hall, and Bexell Hall and the Valley Library. There is a printer in Wilkinson 208 (The ONID Printer) set up to charge ONID or university accounts. Just log on to a computer in Wilkinson 208 with your ONID credentials. The default printer is set to Geo_Wilk016 on Wormtail.

Note: Black and white printing on the color printer costs as much as color so avoid sending black and white print jobs to the color printer.

If you are planning to print a poster for class you must manage your print quota in such a way that there will be sufficient dollars in your account when it comes time to print (~$14.00 per poster, 34"x 44" landscape). **Please make an appointment with Mark Meyers to print a poster.** Mark will help you with poster printing. Adobe InDesign CS2 is available on all computers and is recommended for large format printing. PowerPoint, Freehand and ArcGIS usually work without problems. For display purposes posters should be **34" x 44" (Ansi E) landscape**.

Please no food or drink in the classroom.

You are responsible for knowing and following University and College of Science computer policies as well as the policies for Digital Earth

Important Links

Digital Earth Policies and Schedules http://dusk.geo.orst.edu/de

Acceptable Use of University Computing Facilities

http://oregonstate.edu/dept/budgets/genupol/gupaccep.htm

College of Science Information Network

http://cosine.science.oregonstate.edu/, http://my.science.orst.edu/

University Web Mail https://webmail.oregonstate.edu/

Technical assistance: S. Mark Meyers, Geosciences, Wilkinson 204B, 737-2532 and COSINe Helpdesk, Cordley 1022, 737-5574, helpdesk@science.oregonstate.edu