1. Phenomenon: the webpage “driver.php”on the old server can execute all the .jar files smoothly. But on the new server Windows 2008 server, it seems that only the first jar file is executed.

Solution: All the error log of php web pages is stored in C:\windows\temp\php-errors and the error log shows that the PHP webpage didn’t complete because the execution of the first jar takes more than 300 seconds. So we just need to increase the maximum time allowed. The function set\_time\_limit(10000000) is used to increase the time limit from 300 seconds to 10000000 seconds. Thus the problem is solved.

2. Phenomenon: Although the links to the computation results are sent to the users, but they can’t download it.

Solution: configure IIS to allow files with “kmz” and “kml” file extension to be downloaded. Type iis in the start->search programs. You will open iis manager, then click “swsatmossci->sites->test” in the “connections” panel, there is a “MIME types” in the lower “IIS” panel on the right hand side. Click it and add the file extension “.kmz”, MIME types is “application/vnd.google-earth.kmz”. After this is done, users are able to download “.kmz” file.

3. Phenomenon: This is a portability problem. When copy the website from the old server to the new server. The links to the results (.kmz, .kml) doesn’t change accordingly. The program can’t adapt to the address of the new server. The “sendmail.jar” program can’t automatically change its name according to the machine it resides on:

Solution: Get rid of the hard-coded address “http://rsetserver.sws.uiuc.edu/rset/horseweed” in Deng Chen’s java code: “H:/Chen Deng Working/src/2012.12.21/sendemailtousers/src/sendemailtousers.java” . And change user folder “$myusername” to http://.$\_SERVER[‘HTTP\_HOST’].”/rset/Horseweed”.$myusername in driver.php. $\_SERVER[‘HTTP\_HOST’] contains the address of the machine where the website resides. Thus it can adapt to the new machine automatically.