
TECHNICAL SUPPORT – PRODUCT WORKFLOW

Steps for Downloading and Importing data obtained from NGS CORS

1. In your web browser, key in <http://www.ngs.noaa.gov/>. Then, select the CORS option near the top of the screen. Now, select the **UFCORS** option (user friendly CORS). From here, you need to supply the form with data that relates to your project. The first option that you will need to select is that you need to know and select your time zone. You also need to select the time when you would like to receive base coverage (i.e. when you were collecting with your rover). Once you have completed this, you can hit <Continue> on the bottom and it will pull up a new page. This page is a little more comprehensive. The first thing you must do is find the correct site nearest to you. You may click on the <MAP> button to pull up the CORS site map and choose one of them. Now that you have the four character site name for your area, you must select this one in the pull down menu and make sure it appears in the window. Below this, you must select the Recording interval. Generally, it is good to go with the 10-second option. This is all that you will need to key in. All of the other options that have the <yes> or <no> option could be simply set to <no> if you wanted. They do not have any bearing on the data that will be downloaded. Most of these options are self-explanatory (site information, etc...) Now, you are ready to download the data. Hit the <Submit> button at the bottom of the screen. It will churn through some processing for a moment and then come up with a standard download dialog box. Set the download path to somewhere on your c:\ drive and take note of it. You may want to make a special directory on your c:\ drive to copy these .zip files. Something like C:\CORSDATA would suffice for our example.
2. After the download is complete, you will notice that you have a .zip file on your C:\CORSDATA directory on your PC. Generally, the file will look something like "kcks1178.zip" (first four will be site name etc...). This file should contain the two required RINEX files with the .00O and .00N extensions. Now, simply double click on the .zip file that you have just downloaded and it should automatically open the application "Winzip" (provided Winzip is installed on your machine). If you do not have Winzip, consult your IT technician about getting a copy of the freeware. At this point, you will see two files in the Winzip window. You must hold down the <CTRL> key and highlight both of the RINEX files with your mouse. Now, you can hit the <EXTRACT> button at the top of the Winzip window. If not, then you can select <Actions> and then select <EXTRACT>. You will be prompted for a path to copy the two RINEX files to. It is fine here to put the RINEX files in the same download directory of C:\CORSDATA (example). You will see a progress indicator and when complete, you can close down Winzip if not already.
3. Open the Sokkia Spectrum Survey software and select "Create a New Project" when presented with the dialog box. Type in a filename for the project and hit <OK>.
4. Choose the "Import Data Files from Disk" option. If you already were in an existing project, you could select **File | Data File Manager** and it would take you to the file import area also.
5. Select the <Import> button. At the bottom of the box, the "Files of Type" should be **Rinex v2 Observations**. You should navigate to the location of our example of C:\CORSDATA to find our downloaded Rinex file. When you get to this location, you should see the Rinex OBS file. Select the file and hit <Open>. You should see the file now appear in the Data File Manager window.
6. Select <OK> to the Data File Manager window and you should see the point placed in Spectrum Survey's Plan View. To obtain details on the point, you may simply double click on the observation in the Plan View.
7. At this time, your Rinex file has been successfully imported into Spectrum Survey. You may import all other relevant data that you wish to process the file with in a similar manner as outlined in this workflow.

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