Downloading Navigation Data from UniNet

Navigation data is available for use via three types of data transfer units: The Standard Data Transfer Unit (DTU) using 3.5-inch floppy disk media; the DTU-100 using 100 MB iOmega Zip disk media; and the Solid State DTU (SSDTU) using USB flash drive or SD card media.

For FMS Software Control Number (SCN) 602/702 and earlier, multiple 3.5-inch floppy disks, USB flash drives or SD cards must be used when creating multiple media sets—each 3.5-inch floppy disk, USB flash drive or SD card created can contain either the standard or one extended navigation data.

For FMS SCN 603/703 and later, the navigation data can be loaded onto a single Zip disk, USB flash drive or SD card.

Refer to the following chart to determine the number of media required for download:

FMS Software Version (SCN)	Database Part Number	DTU Type	Media
400-404 / 500-504	1344-XR/ER	DTU or SSDTU	Multiple *
405-600 / 505-700	1344-XR/ERX	DTU or SSDTU	
601-604 / 701-704	1350-XX (set)	DTU	
601-602 / 701-702	1350-XX (set)	SSDTU	
603-604 / 703-704	604-XX ZIP	DTU-100	Single
	604-S-XX	SSDTU	
801 / 901	801-XX ZIP	DTU-100	
	801-S-XX	SSDTU	
802-803 / 902-903	802-XX ZIP	DTU-100	
	802-S-XX	SSDTU	
1000 / 1100	1000-XX ZIP	DTU-100	
	1000-S-XX	SSDTU	

*Multiple 3.5-inch floppy disks, USB flash drives or SD cards are required

3.5-inch Floppy Disk Download Procedure

Ensure your 3.5-inch floppy disk(s) are formatted and empty.

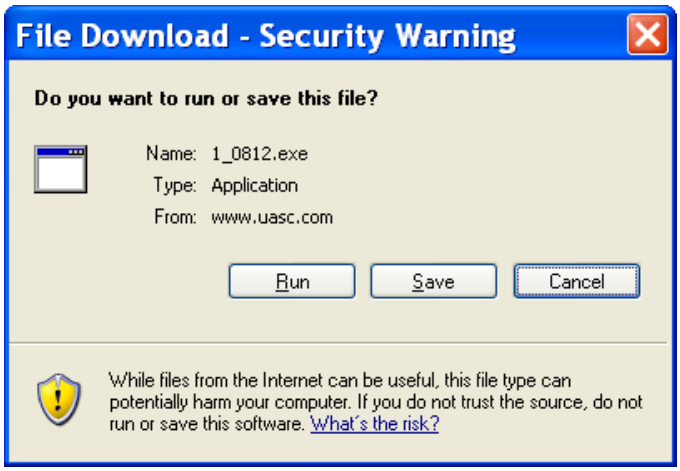
The navigation data you are downloading is saved as a self-extracting zip file. It must be extracted, or “unzipped,” onto a 3.5-inch floppy disk before the FMS will recognize it. The exact screens shown below will vary depending on the Operating System (OS) or Web Browser running.

1. On the UniNet Navdata Download page, click the NavData you would like to download. Each navigation data disk has an associated self-extracting zip file.

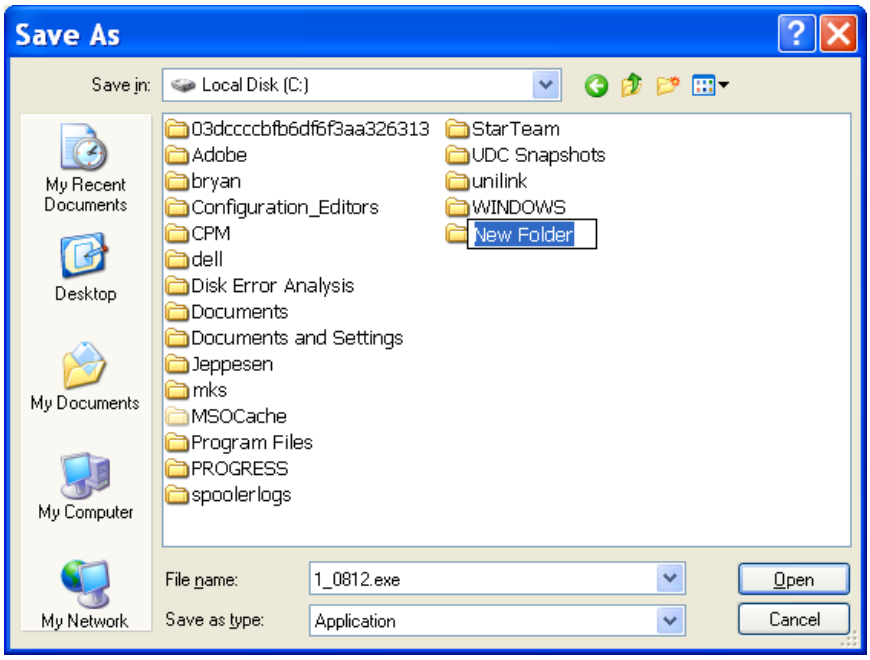
WORLD 5000'

1344-1	WORLD 5000'

2. On most browsers, a dialog box will appear that asks you to choose to either Open/Run the file or to Save the file to disk.
If you chose to Open/Run the file skip to step 5.

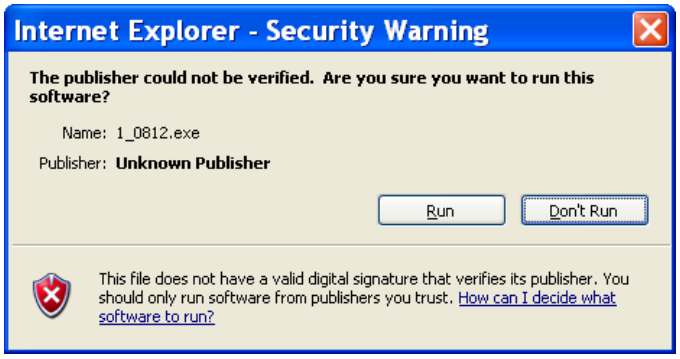


3. If you chose to save the file to disk, save the file to your **HARD DRIVE, not a 3.5-inch Floppy disk, Zip disk, USB flash drive or SD Card**. Note the file name and location.



4. Locate the folder after downloading and “double-click” the file to extract the navigation data onto a disk.

5. Depending on the version of the OS, you may see the security warning shown below. If it appears, click “**Run”.**



6. The self-extraction program will ask where you want to unzip the navigation data. Place a formatted disk in the appropriate drive, enter the drive letter in the “Destination Folder” box and click the “**Install**” button to extract the data. Repeat with a fresh disk for each file.

Zip Disk Download Procedure

Before beginning, it is important to have the 100 MB Zip disk in “FAT” format. **Note**: Do not format in FAT32. (Zip disk format instructions are located at the end of the Zip Disk Download Procedure)

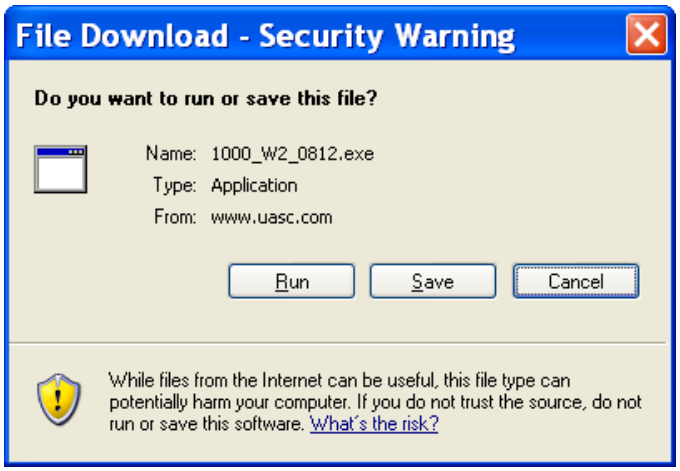
The navigation data you are downloading is saved as a self-extracting zip file. It must be extracted, or “unzipped,” onto a Zip disk before the FMS will recognize it. The exact screens shown below will vary depending on the Operating System or Web Browser running.

1. On the UniNet NavData download page, click the NavData you would like to download. Each navigation data disk has an associated self-extracting zip file.

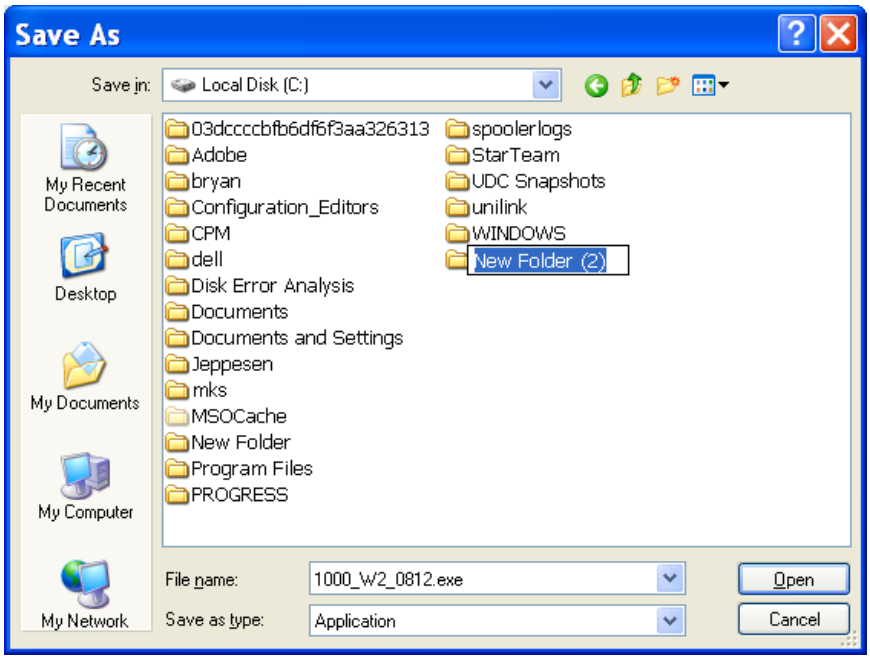
WORLD NAVDATA 2000' RWYS

1000-W2 ZIP WORLD NAVDATA 2000' RWYS

2. On most browsers, a dialog box will appear that asks you to choose to either Open/Run the file or to Save the file to disk.
If you chose to Open/Run the file skip to step 5.

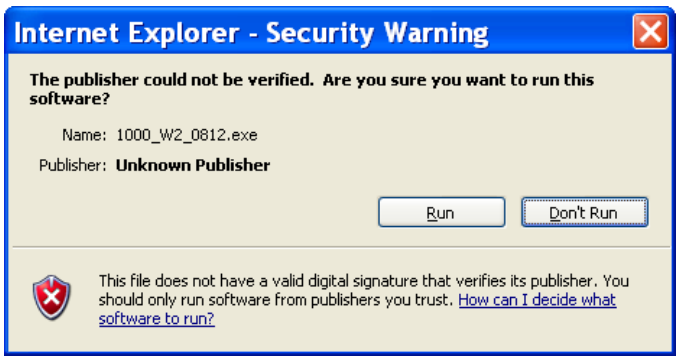


3. If you chose to save the file to disk, save the file to your **HARD DRIVE, not a 3.5-inch Floppy disk, Zip disk, USB flash drive or SD Card**. Note the file name and location.



4. Locate the folder after downloading and “double-click” the file to extract the navigation data onto a disk.

5. Depending on the version of the OS, you may see the security warning shown below. If it appears, click “**Run”**



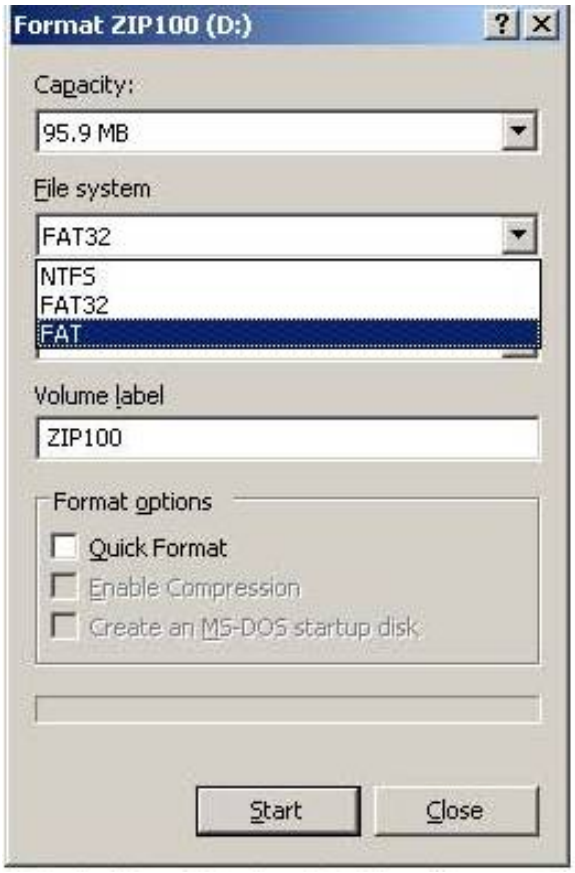
6. The self-extraction program will ask where you want to unzip the navigation data. Place a formatted Zip disk in the appropriate drive and select the drive letter in the “Destination Folder” box. Click the “**Install**” button to extract the data.

Zip disk format instructions

The Zip disk must be 100 MB and not anything larger for the DTU to recognize it. 100 MB Zip disks come formatted in the FAT format. It is not necessary to format each time, but it is necessary to delete any existing files.
Formatting a 100 MB Zip disk can be done by using either a 100 MB or 250 MB Zip drive on your PC.

Instructions on how to format in FAT format are as follows:

1. Place a 100 MB into the PC Zip drive.
2. Locate the drive within “My Computer”.
3. Right click the drive and select “Format”.
4. From the File System pull down menu select FAT.



5. Click “**Start”** to begin the formatting.
6. Wait until complete then click “**Ok**”. Format is complete.

USB Flash Drive and SD Card Download Notes

USB flash drives and SD cards require the use of a SSDTU. The SSDTU is used to load navigation data into an FMS utilizing SCN 400 and later.

Please note the following regarding navigation data downloading:

Note: The SSDTU has a spring loaded cover which may damage the USB flash drive or SSDTU USB port if it is inadvertently closed while loading. Exercise caution while loading USB flash drives into the SSDTU.

USB Flash Drive or SD Card Download Procedure

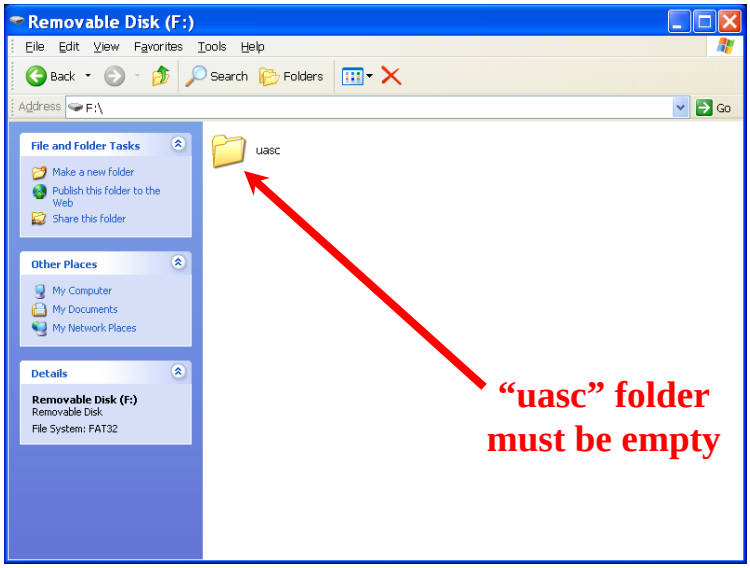
USB flash drives and SD cards do not require formatting. USB flash drives must be 16 MB or larger.

This download procedure requires an empty folder labeled “uasc” on the USB flash drive or SD card. Use the following creation procedure to create a “uasc” folder:

Creation of “uasc” folder

***Important Note*:** In order to allow downloaded navigation data to be read from the USB flash drive or SD card, a folder labeled “uasc” must be made on the USB flash drive. Any pre-existing “uasc” folder must be deleted. If you do not delete any pre-existing “uasc” folder and choose to overwrite these contents with new data, it will not operate correctly in the FMS and may give erroneous data evidenced by incorrect database dates.

1. Place a USB flash drive or SD card into the appropriate port on your PC.
2. Verify The USB flash drive or SD card has an empty folder labeled “uasc” as shown below:



If the folder exists but is not empty, delete the folder and continue to the next step.

3. To create a "uasc" folder, right click within the USB flash drive or SD card and create a new folder. Label the folder "uasc".

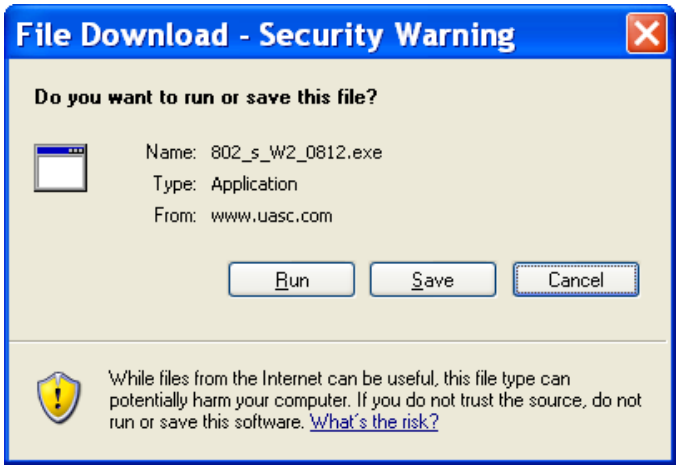
The navigation data you are downloading is saved as a self-extracting zip file. It must be extracted, or "unzipped," onto a USB flash drive or SD card before the FMS will recognize it. The exact screens shown below will vary depending on the Operating System or Web Browser running.

1. On the UniNet NavData download page, click the NavData you would like to download. USB flash drive or SD card navigation data is identified with an "S" after the part number prefix (such as 802S-W2). Each navigation data disk has an associated self-extracting zip file.

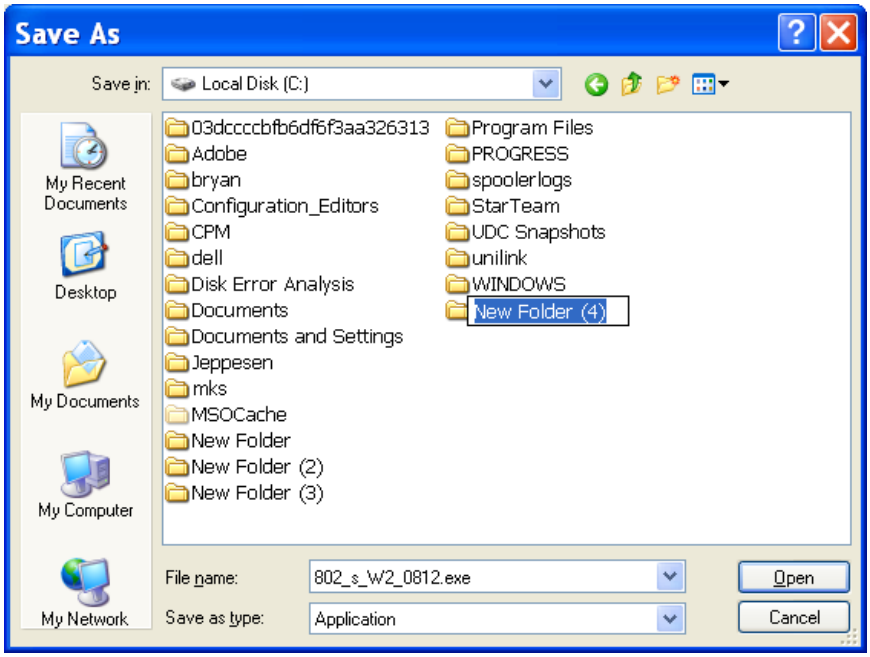
WORLDWIDE 2000'

802S-W2	WORLDWIDE 2000'

2. On most browsers, a dialog box will appear that asks you to choose to either Open/Run the file or to Save the file to disk.
If you chose to Open/Run the file skip to step 5.

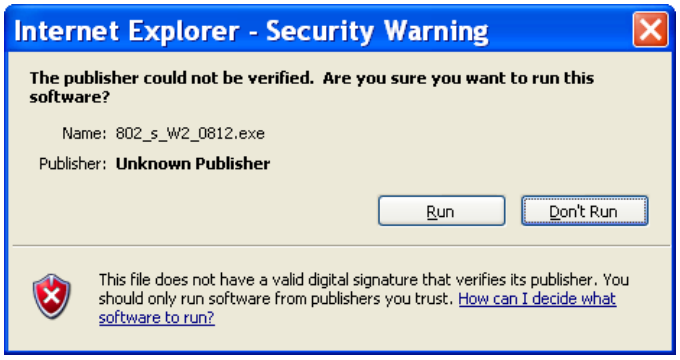


3. If you chose to save the file to disk, save the file to your **HARD DRIVE, not a 3.5-inch Floppy disk, Zip disk, USB flash drive or SD Card**. Note the file name and location.



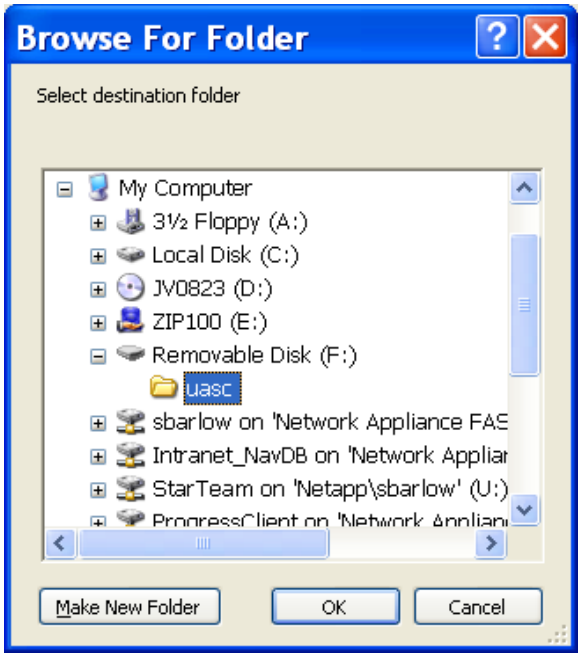
4. Locate the folder after downloading and "double-click" the file to extract the navigation data onto a USB flash drive or SD card.

5. Depending on the version of the OS, you may see the security warning shown below. If it appears, click “**Run”**

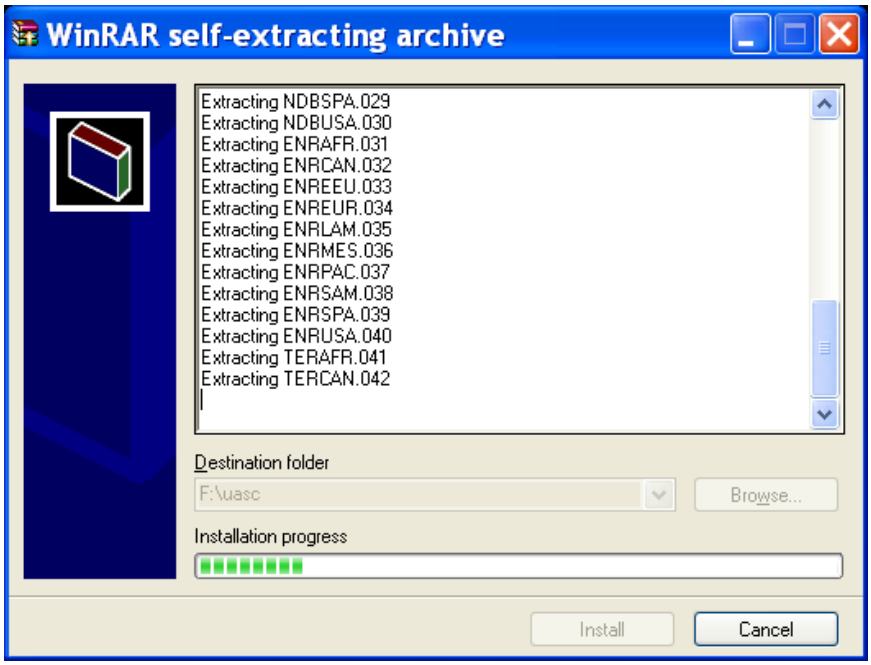


6. The self-extraction program will ask where you want to unzip the navigation data.

7. Browse to the USB flash drive or SD card “uasc” folder and click “**Ok**”.

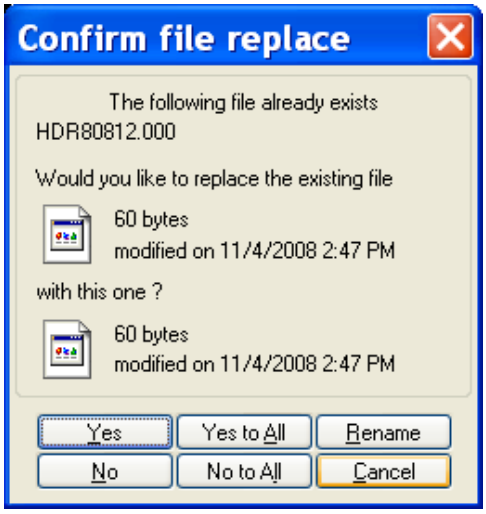


8. Click the “**Install**” button to extract the data to the “uasc” folder on the USB flash drive or SD card. The Installation progress window should appear as shown:

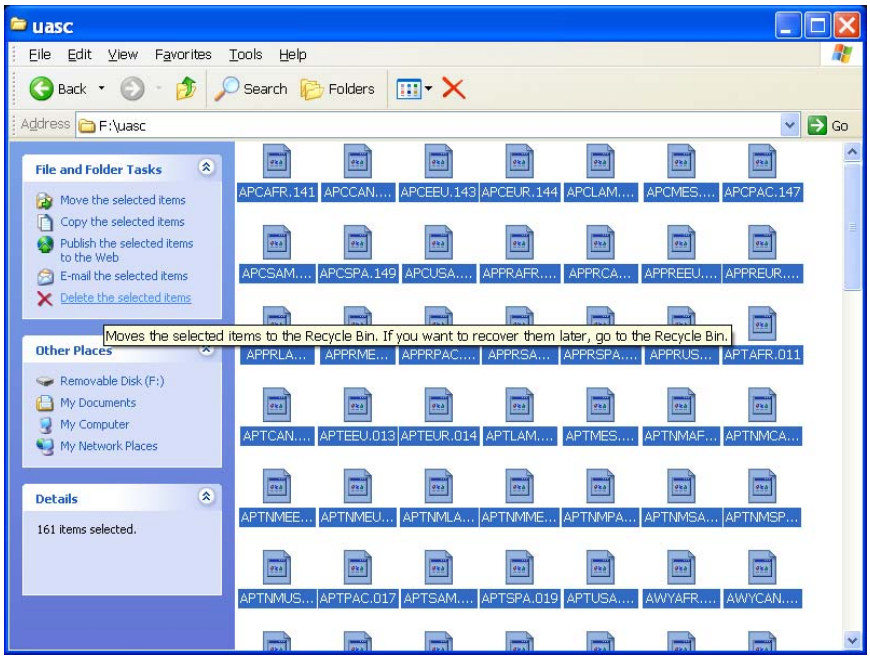


Important Note:

If the “Confirm file replace” window appears select “**Cancel**”.



Do not choose “Yes” or “Yes to All” to overwrite these contents with new data, instead select “Cancel” and access your USB flash drive or SD card “uasc” folder, delete all contents and try again.



Note: A USB flash drive or SD card may hold only one “uasc” folder at a time. Storage of multiple databases in one USB flash drive is not supported due to existence of only one folder (“uasc”) for data.