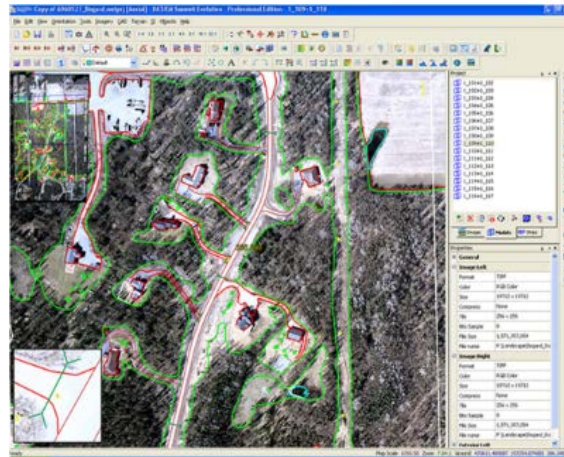


DAT/EM Summit Evolution Installation Guide – version 7.5



Introduction

Summit Evolution is a 3D stereo viewer and vector digitizing package, replacing ERDAS' Stereo Analyst extension. Produced by DAT/EM Systems in Anchorage, AK, this suite of software integrates with ArcMap to allow feature digitization from stereo-ready imagery. Main improvements you can expect to see is quicker import of large projects (block files with 200+ images loads in seconds), and improved speed in navigation.

This guide describes how to install Summit Evolution on your local workstation. You do not need to remove Stereo Analyst before installing, although it is recommended that you turn the Stereo Analyst extension off first to avoid any conflicts between the two programs.

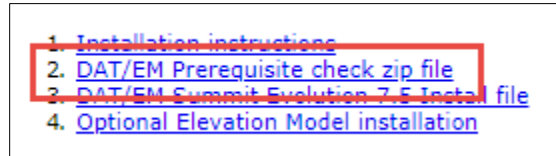
Prerequisites

- Ensure your version of ArcGIS has all available service packs installed, and is properly licensed.
- Ensure the Stereo Analyst extension for ArcMap is not enabled.
- Check that your graphics card drivers are updated to the latest version.
- The software can be downloaded from the RSAC Enterprise Software website.

To install and license the software:

A. Download the files

1. Create a temporary folder on your computer (such as C:/datem/installfiles)
2. Navigate to the RSAC Enterprise Software page (see link on Page 1) and click on the **DAT/EM Prerequisite check zip file** link (see below.)



3. Save file to the temporary folder you created in the first step, and then unzip it.
4. Back on the webpage, click on the **Summit Evolution 7.5 install file** link and save the file to the same temporary folder. Do the same for the **Update for v7.5** link.

If you are:

Installing this software for the first time: Go to **Step B**

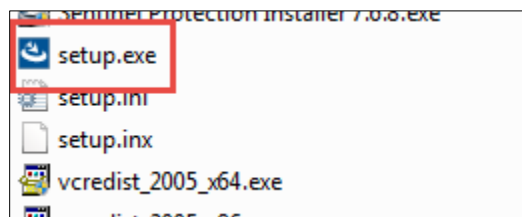
Upgrading from version 7.4 or earlier: Go to **Step C**

B. Install the license driver (new installations)

For most Forest Service computers, the setup process will first install the software required to connect to the license server for Summit Evolution. This license software is separate from other remote sensing programs supported by RSAC (such as the Intergraph License Admin tool, for example). If you do not see the dialog box shown in step 4 in this section, then proceed to part C.

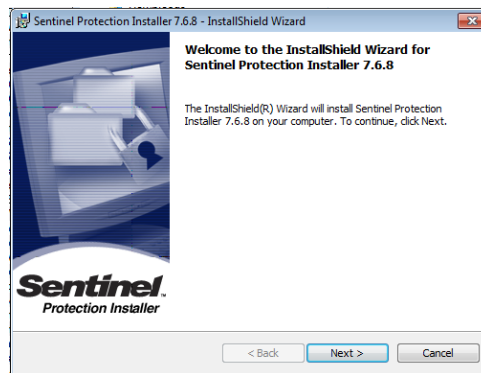
If you are upgrading from version 7.4 or earlier, the previous versions use the same Sentinel Driver. You will likely not see the dialog box in step 4, and can skip to Part C.

1. In the temporary folder, open the **PreReqsDisk_11_06_2017** folder, then *right-click* on the Setup executable file (see graphic below), and select **Run Elevated**.



2. Enter text as required by the popup dialog, and click on OK.
3. The installer will check for the third party software required to run Summit Evolution. This includes .Net, which is part of the FS Image, and a distributed version of C++, which typically will not be included on workstations. This is part of the approved 3D Viewer software package and does not require a separate approval.
4. An introduction dialog box will appear, click on the **Next** button.

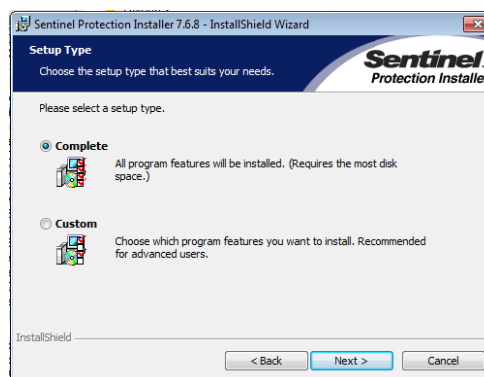
5. The software uses the Sentinel Driver software for licensing. A dialog box will appear letting you know a reboot will be required at the end of the install. Click on **OK** to dismiss this dialog.
6. Once the pre-install software checks and installs are complete, the Welcome screen will appear (see below). Click on the **Next >** button.



7. In the License Agreement window, click on the radio button next to **I accept the terms in the license agreement** (see below), and then click on **Next >**.

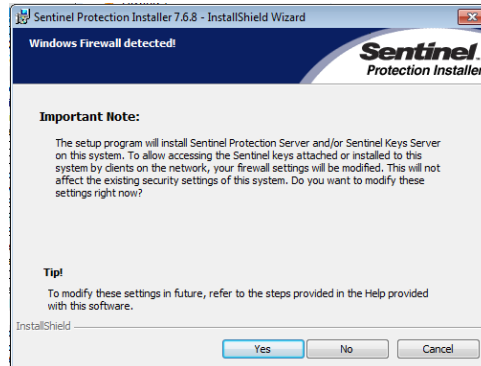


8. In the Setup Type window, make sure the **Complete** option is selected, then click on **Next >**.

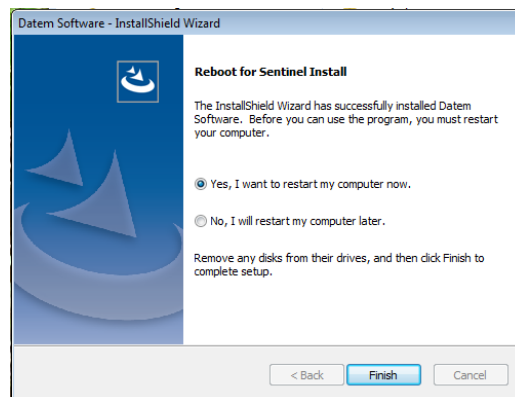


9. Click on the **Install** button to initiate the process.
10. You will likely get a warning message about our Windows Firewall being present, and that some settings may be modified (see the graphic on the top of the next page). This does not

affect the security of your system as the license servers accessed by the Sentinel Keys are on a server within the FS network. Click on the **Yes** button to continue.



11. Once the installation is done, the **InstallShield Wizard Completed** window will appear. Click on the **Finish** button to dismiss the window.
12. The **Reboot for Sentinel Install** window will then open. Finish any work as soon as you can, close open programs, then in the Reboot dialog, ensure that **Yes, I want to restart my computer now** is selected (see below), and click on **Finish**.

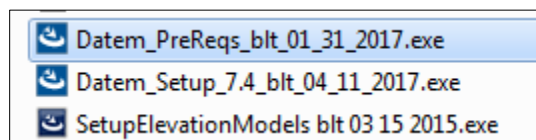


13. Go to Step D for steps to install the software.

C. Uninstall previous version

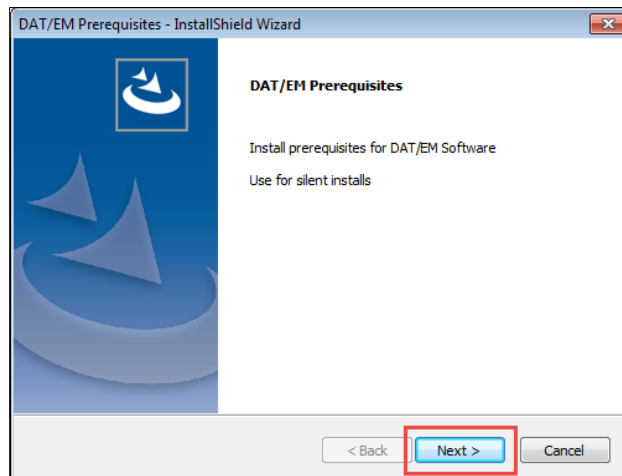
Similar to running the installer the first of two times to install the Sentinel software, the previous version of DAT/EM can be uninstalled simply by running the install software for this version which you downloaded from the FS Enterprise Software website.

1. Close ArcMap if needed.
2. In the temporary folder, *right-click* on the Pre-Requisite executable file (see graphic below), and select **Run Elevated**. Note that the file name might differ slightly.

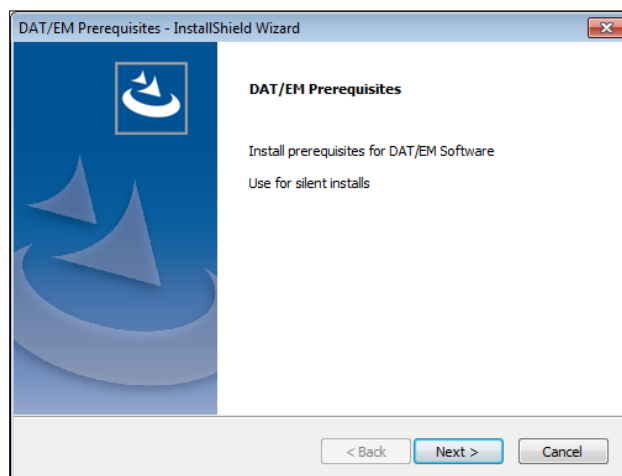


3. Enter text as required by the popup dialog, and click on **OK**.

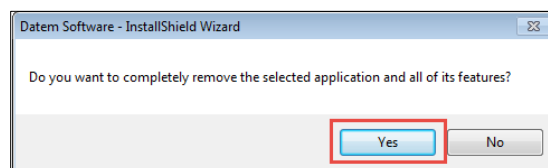
4. The InstallShield Wizard dialog box appears (see below.) Click on **Next** to continue.



5. If the computer meets the software requirements, the dialog box below will appear. Click on **Next**. If you receive any other messages or warnings, make corrections if possible, or contact GTAC for assistance.
6. Return to the folder where the installation files were copied, right click on the DAT/EM Setup file (see below) and click on **Run Elevated**.

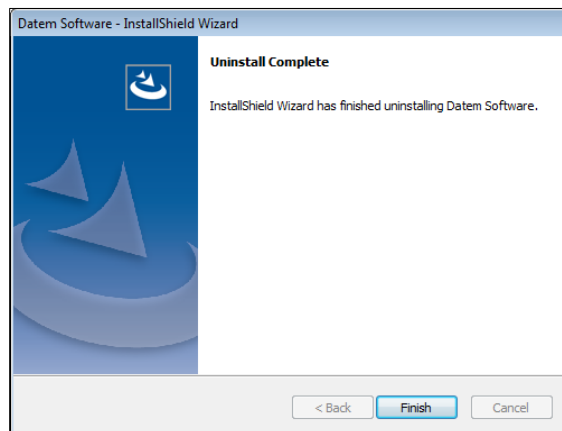


7. Enter a justification as required by the popup dialog, and click on **OK**.
8. In the install dialog box that appears, click on **Yes** to confirm you want to remove the software (see below).



9. If an error box appears stating that a file is being used by another process, close all programs, restart your computer, and begin this section over.

10. When the uninstall process is complete, the Uninstall Complete dialog will appear (see below). Click on **Finish**.

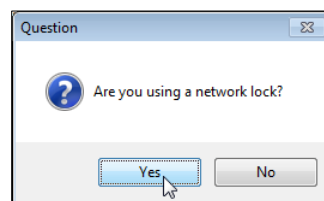


D. Install Summit Evolution

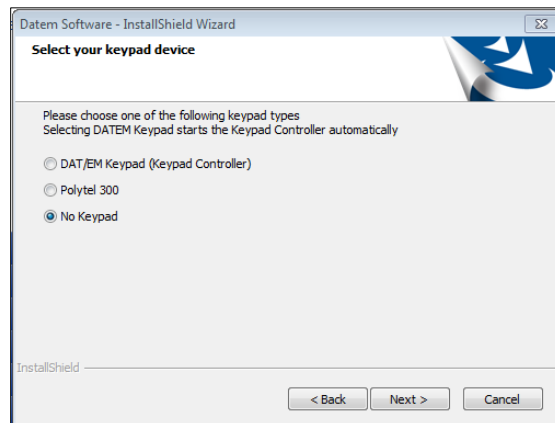
1. Return to the folder where the setup file is located.
2. *Right-click* on the Datem Setup file, and select **Run Elevated**. Enter text as required by the popup dialog, and click on OK.
3. When the InstallShield Wizard dialog box appears, click on **Next >**.
4. Accept the license agreement by clicking on **Yes**.
5. In the Customer Information box, leave both (or type in if needed) User Name and Company Name as USDA Forest Service
6. In the **Serial Number** box, type, or copy and paste, the following: 286431-5100298-0245130
7. Click on **Next >**

This serial number is different than the one provided for previous versions. Be sure to use the correct number. If you get a message that the serial number was incorrect, return to the page and carefully re-enter the number.

8. A pop up should appear asking “Are you using a network lock?” Be sure to click on **Yes**.



9. In the **Sentinel Lock Server** dialog box, type (or copy and paste) the following in the license server address box: datem.gsc.wo.fs.fed.us
10. Click on **Next >**.
11. In the **Select your keypad device** dialog, unless you have one of the listed keypads, click on the **No Keypad** option (see graphic at the top of the next page) , then click on **Next >**.

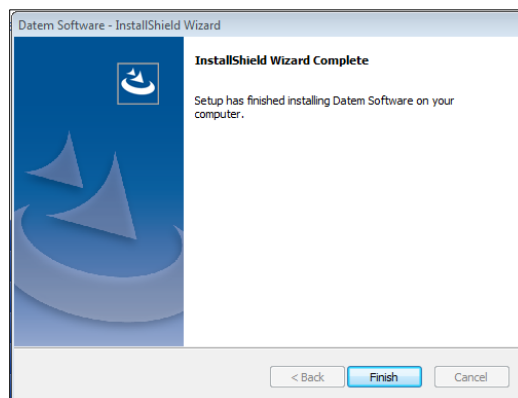


Datem can make use of a keypad to program buttons that take the place of keystroke combinations for regularly performed tasks. These keypads can also be used for some other software. More information can be found at [this webpage](#).

12. Either choose a new installation folder, or accept the default destination folder (recommended), and click on **Next >**. This will begin the installation

As part of the install process, DAT/EM will register the software as an extension with ArcGIS. The company has noted that a small percentage of installations have failed to register the extension properly. If this is the case, read the Appendix below on steps to register with Arc once the installation is complete.

13. In the **InstallShield Wizard Complete** dialog (see below), click on **Finish** to complete the installation.



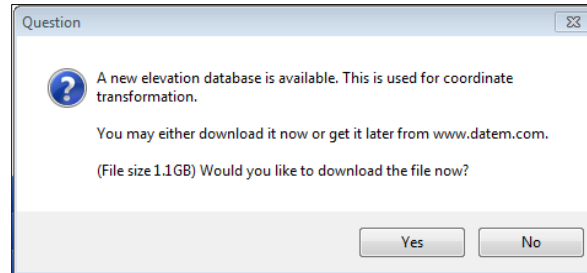
E. Download and install the elevation database (optional)

After completing the last step in the previous section, a dialog box may appear asking if you want to download an updated elevation database to use with Summit Evolution. (If you are upgrading, it will check to see if you have the elevation installed, and the process will not run if you do.) This database can be used to improve the performance when viewing your stereo imagery if you do not have an elevation dataset of your own to use. Note that this file will also be available from the RSAC Enterprise Software page where the Summit Evolution and this guide are located in case you would like to install it later.

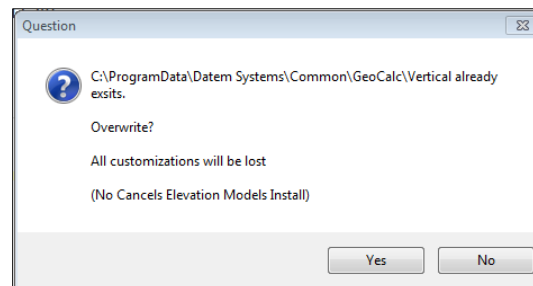
If you are upgrading from a previous version and had installed the elevation file, the installer should recognize that it is already installed (it is not uninstalled in Part C.)

Note that if you downloaded the elevation file from the RSAC Enterprise Software webpage, you can answer No to the dialog box in Step 1, and begin with Step 3 below.

1. In the dialog box that appears (see graphic below; note that the details may differ), click on the **Yes** button.



2. A download will be initiated through your internet browser. Select a folder where you would like to save the file (do this in Internet Explorer by clicking on the dropdown arrow next to "Save" in the pop up that appeared in the bottom of the browser, then navigating to the folder and clicking on Save.)
3. Right-click on the **SetupElevationModels** file, and choose **Run Elevated**. Enter a justification in the dialog box that appears.
4. Next, a warning box will appear letting you know that any customized elevation information will be overwritten. Click on **Yes** to continue.



5. In the InstallShield Wizard dialog that appears, click on **Next >**, then in the following dialog click on **Install**.
 6. When the installation is complete, click on the **Finish** button.
- Summit Evolution should now be ready for your 3D Imagery viewing work.

F. Install the patch

DAT/EM has released a patch to improve the image refresh performance. Although the patch says it is for Summit's image type localized histogram tool, it is actually for all image tiling, and should be applied.

1. Return to the folder where the setup files are located.
2. *Right-click* on the **StereoPlotter_64_v.7.5PatchForAutoLocalizedHistogram.zip** file and choose **Extract All**. Keep the default path and click on **OK**.
3. Be sure that Summit Evolution is closed.



4. Open a file explorer window, and navigate to this folder: **C:\Program Files\Datem Software**
5. Find the file named **StereoPlotter_64.exe**, and rename it to **StereoPlotter_64_bak.exe** or something similar.
6. Back in the "StereoPlotter..." folder from the second step in this section, copy the new **StereoPlotter_64.exe** file into the C:\Program Files\Datem Software folder.



Appendix

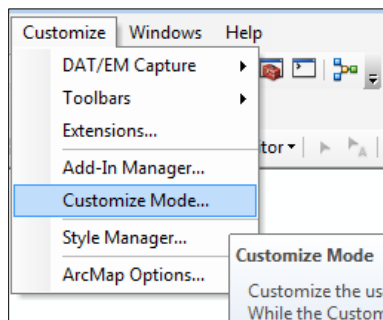
If you are unable to see the DAT/EM toolbars when you open ArcMap the first time after installing Summit, follow these steps:

G. Verify the needed file was copied to your computer

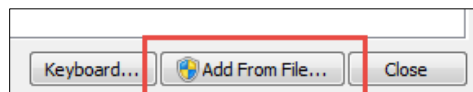
1. In a file explorer window, navigate to this folder: **C:\Program Files (x86)\Datem Software**
2. Look for this file: **CaptureArcInfo.2010.dll**
3. If it is present, skip to the next section. If it is not present, contact Jim Monty at GTAC (jmonty@fs.fed.us, 801-975-3843)

H. Connect to the dll

1. Start ArcMap if needed
2. In the menu, select **Customize > Customize Mode**



3. At the bottom of the window, click on the **Add From File** button.



4. Browse to the folder **C:\Program Files (x86)\Datem Software**
5. Click on the **CaptureArcInfo.2010.dll** file.
6. Click on the **Open** button
7. If you receive an error message "No new objects found", just click on **OK** to disregard the message.
8. Close and re-open ArcMap.
9. You should now be able to add the toolbars. (See Part 2 of the Setting Up Summit Evolution exercise of the Stereo Viewing tutorial for more information)

If these steps do not work, please contact Jim at GTAC.