



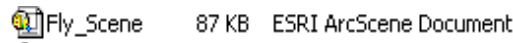
Workshop 1A: ArcScene 9.1 Demonstration

As part of Workshop 1 (Introduction to ArcGIS 9.1), we will take a test drive of ArcScene 9.1 which serves as an integral part of the extension 3D Analyst. We will learn more about this extension in the next workshop, but for now, we will simply get a sense of its capabilities.

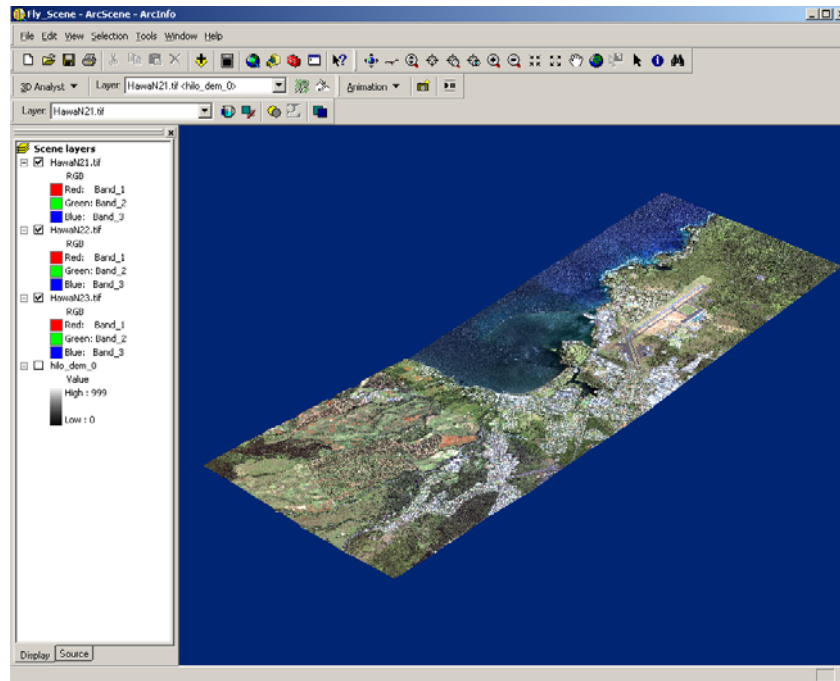
From the Windows file manager, open the following ArcScene document by double-clicking on it:

C:\ITER_GIS_Workshops_Fall2005\Fly_Demo\Fly_Scene.sxd

ArcScene documents appears like this in the Windows file manager:




Notice that the interface for ArcScene closely resembles ArcMap. Many of the toolbar buttons and menu items are identical, making the transition between the two programs relatively easy.





The Table of Contents on the left lists 3 image files and an elevation grid. If you do not see the Table of Contents on the left, then you can pull down the **[Windows]** menu and choose **[Table of Contents]** to make it appear. The 3 image files have been draped over the elevation surface to provide a 3-dimensional effect, which will become more apparent at a larger scale.

Now close the Table of Contents by pressing the “X” in the upper right corner of that window, and maximize the ArcScene window to cover the entire monitor.

We are ready to fly! From the tool bar, select the Fly Tool . Move the cursor to the center of the screen and either left-click or right-click once. You should be hovering in place with a fly speed of zero. Note that ArcScene records the fly speed in the lower left corner of the window. When the fly speed is zero, you can pan back and forth, but you will not move towards or away from the surface. As you move the cursor away from the center of the screen, the speed at which you pan increases.

To zoom in slowly, left-click on the mouse. The more you left-click, the faster your zoom speed. Alternatively, to zoom out slowly, right-click on the mouse. Note that you will record a negative speed when moving away from the surface. While transitioning from zooming in to zooming out, or vice versa, you will pause momentarily as your fly speed reaches zero. At this moment, the flying bird icon becomes a sitting bird.

If you fly through your surface or lose your image, simply press [Esc] to stop flying, and then hit the full screen button  to return to a view of your images.

You may want to use the Navigate Tool  to adjust the angle of your view. If you want to start flying from the same point every time, you can create a bookmark from the [View] menu and return to it at any time.

Here is a partial list of useful commands:

Left-Click	Zoom In (fly speed = 0, 1, 2, 3 etc.)
Right-Click	Zoom Out (fly speed = 0, -1, -2, -3, etc.)
Up Arrow	Fine Tune Zoom In
Down Arrow	Fine Tune Zoom Out
ESC	Freezes Scene

After you are finished experimenting with ArcScene, close the document without saving. In the next workshop, we will explore ArcScene in more detail, and learn how to build our own 3-dimensional scene from an empty document.

Acknowledgements

Space Imaging LLC IKONOS Imagery