**Title: How to use AmiraTools**

**Purpose:** This SOP explains the steps to using the AmiraTools repo correctly.

**Notes:**

* This SOP assumes the user is working off of a Windows computer. The general principles will still apply for other operating systems, but the finer details will be different.
* Changes to this SOP should be noted and described on the final page of this document.

**Programs Used:**

* Amira 5.6, Amira 6.0.1, Amira 6.2.0

**Procedures:**

**Download the AmiraTools repo from GitHub**

See: [SOP\_GitHub.docx](https://uofutah.sharepoint.com/:w:/s/Andersonlabgeneral/EXsGK784OCBJt2wU2yTOhe4BKsbqxCDouksPdQlos3E6Vw?e=CWg84o)

1. Follow the SOP\_GitHub instructions on how to download a copy of the AmiraTools repository from GitHub. Best practice is to have your respository live in a general location where you house the rest of your GitHub repos.

**Establish AMIRA\_LOCAL environment variable**

See: [AMIRA\_LOCAL Setup Tutorial by Amira-Avizo](https://www.thermofisher.com/software-em-3d-vis/xtra-library/xtras/amira_local-setup-tutorial)

1. In your windows task bar, search for “Edit system environment variables”
2. A “System Properties” window will open. In the Advanced tab select “Environment Variables…”
3. Under “user variables” click “New”
   1. Variable name: AMIRA\_LOCAL
   2. Variable value: provide the path to your AmiraTools repository. For example: C:\Users\Ontario\Amira\local. You can establish a different location if you’d like, you will just want to make sure that you copy whatever files are in your GitHub repo to the desired AMIRA\_LOCAL path.
4. To check if Amira recognizes the new environment variable, open Amira and type the following into the TCL Console: echo $AMIRA\_LOCAL
   1. If successful, Amira will echo back the same path that you set up in the environment variables.

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