**Cross Match Tool Description**

The Cross Match tool assists a TSX user in matching a list of cataloged objects to the nearest Gaia objects, which then can be compiled into a TheSky SDB Text File and input to TheSky as a reference list.

Cross Match is a Windows Forms executable, written in C# and .NET. The application runs as an uncertified, standalone application under Windows 7, 8, 10 and 11. The application requires TheSky Pro.

A screenshot of a computer

Description automatically generated

Controls:

Map

List

Update RA/Dec

Ignore Magnitudes

Step

Next

Abort

On Top

Close

Display:

Matching Progress

Reference Star Proximity

Operation:

After a name is entered, Cross Match will download and store the current Az/Alt position of the mount. A location can be entered manually as well. With another command, Cross Match will generate and copy a Sky Database (SDB) source file into the SDBs directory which is based on the Cross Match name (…/SDBs/name SDB.txt). This file can be edited if wanted. As no automation interfaces exist for the final step, the form merely directs the user through the sequence of TSX actions to be performed to compile that source file into a cataloged object.

Installation:

The installation program is located at <https://github.com/rrskybox/CrossMatch> in the “publish” folder. Download the CrossMatch64Buildxxx.zip file. Extract the zip file to a temporary folder. Run “setup.exe”. If the Windows security message “Windows protected your pc” pops up, then select “more info” and “Run Anyway”. You may also have to uninstall any older version, if previously installed.

Upon completion, an application icon will have been added to the start menu under the category "TSX Toolkit" with the name “Cross Match”.

This application can be pinned to the Start if desired. During operation, Cross Match will expect that TSX is loaded in the default location (User\Documents\Software Bisque etc.

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Support:

This application was written as freeware for the public domain and as such is unsupported. The developer wishes you his best and hopes everything works out, but recommends learning C# (it's really not hard and the tools are free from Microsoft) if you find a problem or want to add features. The source is supplied as a Visual Studio project.