

EA Graphic Tools 2022

General Users' Manual

with a Manual of

the Environment Setting Program, "EA_SetEnv2022"

Meteorological Data System Co. Ltd.

May, 2022

Remarks on the use of “the Graphic Tools 2022” for the Expanded AMeDAS Weather Data

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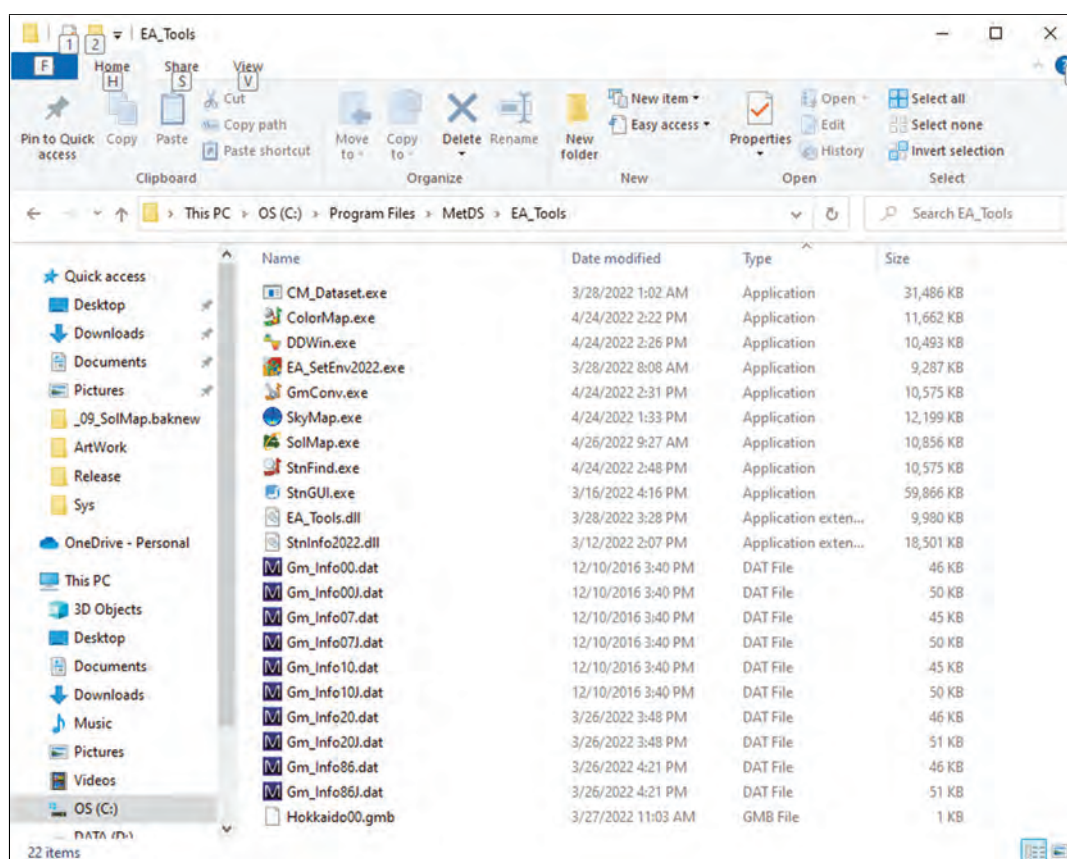
Introduction

This document is a kind of compilation for quick learning how-to-use of several tools (software) installed from “EA Graphic Tools 2022”. We prepared this document for you to read at first before working intensively with them.

To find all the installed files in your physical disk after applying the installer, browse one of the following two folders, which are determined by your installation version (32/64 bit).

- In case of 64 bit installation: C:\Program files\MetDS\EA_Tools
- In case of 32 bit installation: C:\Program files (x86)\MetDS\EA_Tools

The both versions have installed folder locations and file sizes differences, but contained files' names are quite the same. Figure 1 shows an installed folder view in case of 64 bit version in Windows File Explorer. When you feel something bad on the installed tools behavior, confirm that you have all the same name files displayed here.



Note: File sizes and time stamps are different from the actual ones.

Fig. 1 Installed Files (In Case of 64 Bit Version)

In this figure, you can see a file named Hokkaido00.gmb which is a batch file to invoke the program GmConv (GmConv.exe) with a specialized calculation parameter set. And there are lots of files with a filename extension of “.dat”, like fnamGm_Info86J.dat, Gm_Info86.dat, ..., Gm_Info00.dat. These files are kinds of internal datafile for GmConv, which you can not mind.

There are two files with file extension name “.dll”, `StnInfo2022.dll` and `A_Tools.dll`. These files are important because almost all executable files in the same folder refer these DLL files, which are kinds of common code or data libraries for general use. **These DLL files should exist in the same folder with all the EXE files^{*1}. If you are not an expert at Windows operations, these files should not move without correct reason.**

Now, we would like to talk about the nine executable files shown in Fig. 1 .

`CM_Dataset.exe` is a self-upzip executable file including a lot of datafiles related to a program ColorMap. **Do not operate this file manually because it will work automatically with ColorMap.**

And `StnGUI.exe` is a relational dialog window for selecting AMeDAS observatories in the other application programs. **Thus, Independent operation of that file has no meaning.**

There are seven executable files which we never mentioned. Those are main parts of “EA Graphic Tools 2022”.

The otherwise, `EA_SetEnv2022.exe` is a different from the other six files because it has no graphical functions and just work for setting up computation environment for the other six executable files. The six files, *i.e.* ① `ColorMap.exe`, ② `DDWin.exe`, ③ `GmConv.exe`, ④ `SkyMap.exe`, ⑤ `SolMap.exe`, and ⑥ `StnFind.exe` are explained in respective documents [1]–[5].

In this document, `EA_SetEnv2022.exe` is explained in the next chapter (Chapt. 1). Then some common concerns on the six executive programs are mentioned in Chapt. 2.

1 How-To-Use of EA_SetEnv2022

1.1 Start-Up

The program named `EA_SetEnv2022` having executable filename of `EA_SetEnv2022.exe` must be invoked at the first time when all the tools programs mentioned above with marks ① – ⑥. Additionally, this program can use like a menu, *i.e.*, a some partial function on the six tool programs by calling as a child process. And you can invoke it independently by double clicking the file in the installed folder.

However, a dialogue window shown in Fig. 2 must be displayed on a dark screen for confirming your operation due to this program reads/writes important Windows internal data, registry. In order to proceed the program, you should click [Yes] button.

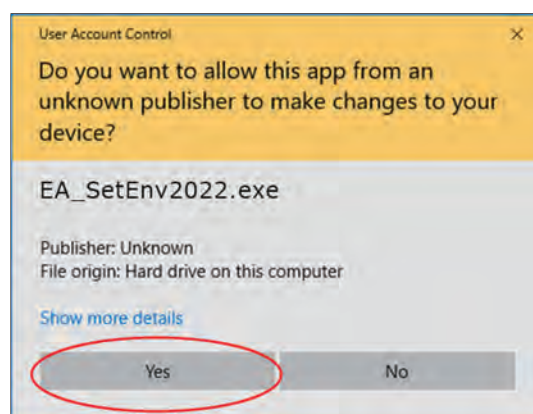


Fig. 2 UAC (User Account Control) Dialogue Window Displayed Soon After EA_SetEnv 2022 Start-Up

^{*1} The same as DLL files, an executable file named “`StnGUI.exe`” should be located with the other EXE files.

Immediately after clicking the [Yes] button, a window like one shown in Fig. 3 must be displayed. There are three setting/registration terms by using this window as you can understand them from labels displayed in page tabs in the top part of the window:

- Registration of the serial ID of the tools, and user's and organization name,
- Registration of the drive letter or directory (folder) for reading the EA weather datafiles,
- Registration of the DVDs applied to the tools programs.

These three settings are explained in the following sections.

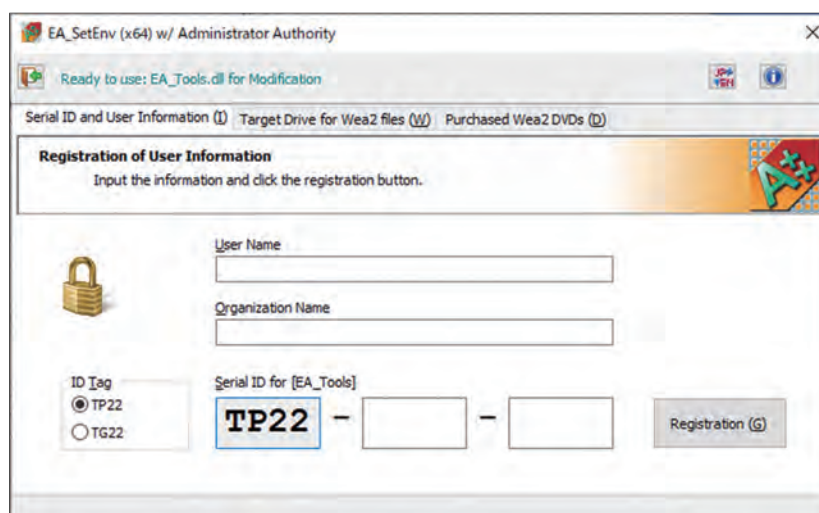


Fig. 3 Main Window of Environment Setting Program, EA_SetEnv2022

1.2 Registration of Serial ID and User/Organization Name

Even you do not input and register your name and/or organization name(s), such things never affect operations of all the tool programs. However, input boxes under the label “Serial ID for [EA_Tools]” must be filled and registered to permit operations of the programs.

The serial ID has two kinds differing by kinds of the end users' licenses, “personal package user contract” and “group network user contract”:

- User having “personal package user contract”:
Serial ID starting with four letters of TP22,
- User(s) having “group network user contract”:
Serial ID starting with four letters of TG22.

You have no need to type in these four letters. Instead of typing, click one of the radio buttons arrayed in the left side. Immediately after clicking the button, four letters in the left side box must change as you can see in Fig. 4 in the next page.

After selecting suitable letters, TP22 or TG22, fill four letters for the center box and four letters for the right box, respectively. Then click the [Registration (G)] button.

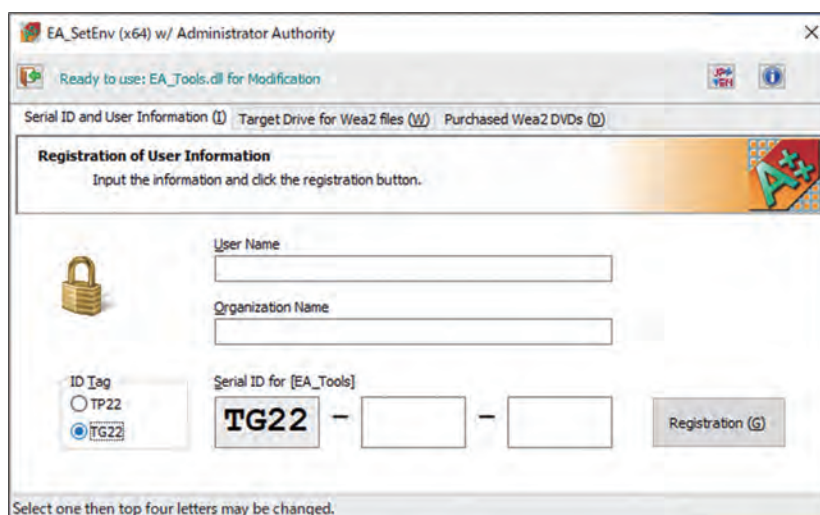


Fig. 4 Serial ID's Top Four Letters' Change in the Main Window of EA_SetEnv2022

If it is done in that way, an information dialogue box may be displayed in case of correct registration as you can see in Fig. 5 . You can try this registration until the dialogue box will appear finally.

Please maintain carefully your serial ID by yourself. If you meet some emergency cases on your ID, contact with user support office of MetDS by filling an inquiry form prepared in our home page. After a sign some another contract, we can tell you how to display your serial ID had input in former registration.

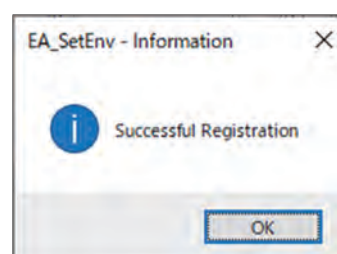


Fig. 5 Dialogue Box to Inform Correct Registration in EA_SetEnv2022

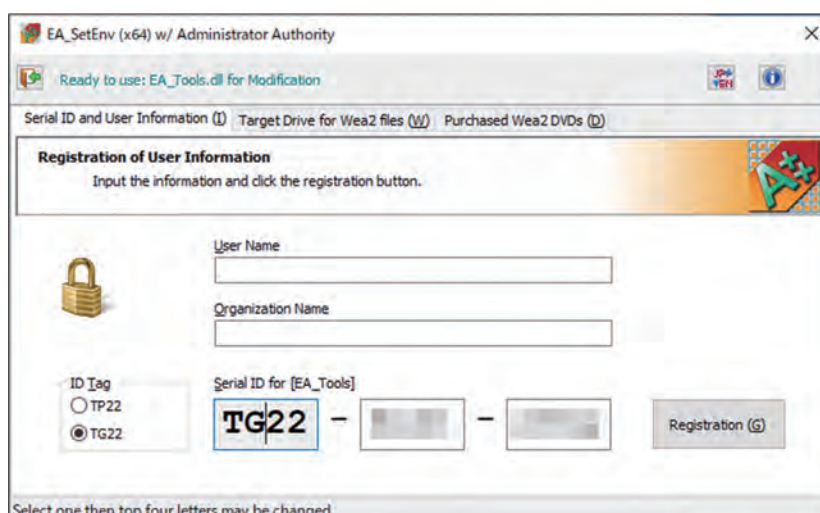
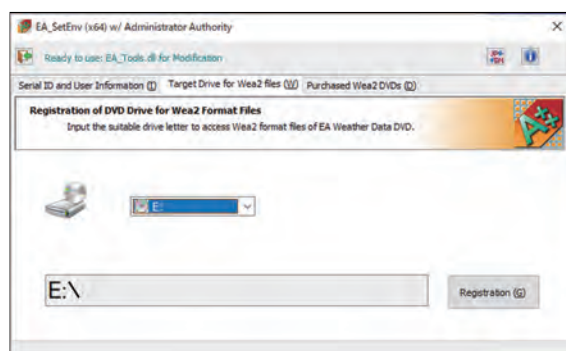


Fig. 6 Indication of Input Serial ID in EA_SetEnv2022 (Letters in Boxes Are Masked)

1.3 Registration of DVD Drive/Folder for Input Datafiles

Before working on the registration of VDV drive/folder in the tab page, serial ID registration must be completed by following the description in the above section. In order to register the drive/folder, click the tab labeled “Target Drive for Wea2 files (W)” and show the other page on the window. In that oage, you can register drive letter of dvd drive and/or folder to use as input device or location for the EA weather datafiles. If you have the personal package user contract, you can select one of the dvd drives you have for reading the EA weather data DVD. If you are user(s) having group network users contract, you can select not only the drive but a folder in which the EA weather datafiles were copied. As you know, the EA weather datafiles have their names with **.wea2**, which we call “Wea2 files”. Figure 7 (a), (b) shows the registration windows for the both contract cases.

**(a) For Users Having Package Contracts
(ID: TP22-XXXX-XXXX)**



**(b) For Users Having Group Network Contracts
(ID: TG22-XXXX-XXXX)**

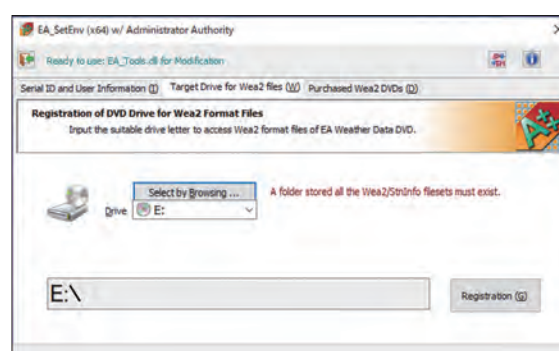


Fig. 7 Dvd Drive/Folder Registration Window of EA_SetEnv2022

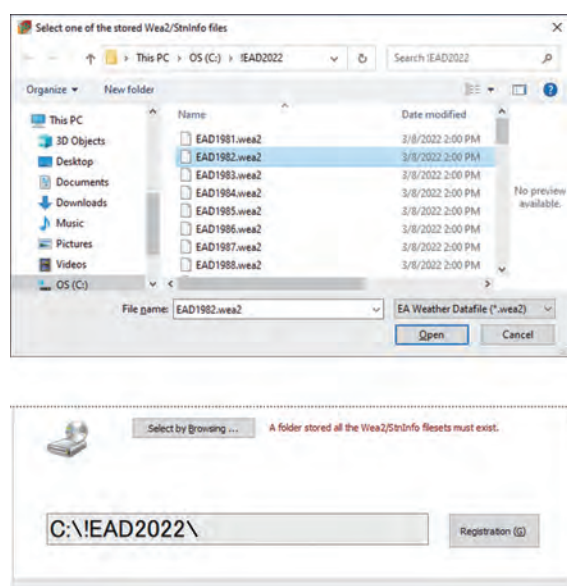


Fig. 8 Wea2 File Selecting Scene After Clicking Browse Button in Fig. 7 (b)

If you are user(s) having the group network users contract and want to use datafiles stored in some disk folder, copying files to the target folder should have been done manually before registration of the folder. Figure 8 illustrates the indication of the target folder with a dialogue window which is displayed by the [Select by Browsing ...] button click.

On the other hand, users having the personal package user contract should select a suitable drive name from a pull-down list box shown in Fig. 7 (a) and click the [Registration (G)] button. Then your DVD disk drive is registered as default device to read the EA weather data DVDs.

1.4 Registration of Accompanying EA Weather Data DVD

There are following nine kinds of EA weather data DVD including wea2 files at the moment of May in 2022. Every disk has a folder named EAD in which two kinds of files, Wea2 files and StnInfo files are included.

- Extant EA weather data 1981–1990 (10 yrs.) *e.g.* EAD1990.wea2, StnInfo_EAD1990.dat
- Extant EA weather data 1991–2000 (10 yrs.) *e.g.* EAD2000.wea2, StnInfo_EAD2000.dat
- Extant EA weather data 2001–2010 (10 yrs.) *e.g.* EAD2010.wea2, StnInfo_EAD2010.dat
- Extant EA weather data 2011–2020 (10 yrs.) *e.g.* EAD2020.wea2, StnInfo_EAD2020.dat
- Past Reference Year EA weather data Ed.1995 PRY8195.wea2 &
(Based on 1981–1995) StnInfo_PRY8195.dat
- Past Reference Year EA weather data Ed.2000 PRY9100.wea2 &
(Based on 1991–2000) StnInfo_PRY9100.dat
- Past Reference Year EA weather data VEd.2010 PRY0110.wea2 &
(Based on 2001–2010) StnInfo_PRY0110.dat
- Past Reference Year EA weather data Ed.2020 PRY1120.wea2 &
(Based on 2011–2020) StnInfo_PRY1120.dat
- Future Reference Year EA weather data Ed.2086 FRY7795.wea2 &
(Based on 2077–2095) StnInfo_FRY7795.dat

The other page of the window, displayed in the case that the tab titled “Purchased Wea2 DVDs (D)” is clicked, is used to register holding and using EA weather data DVDs with tool programs. That window is illustrated in Fig. 9 .

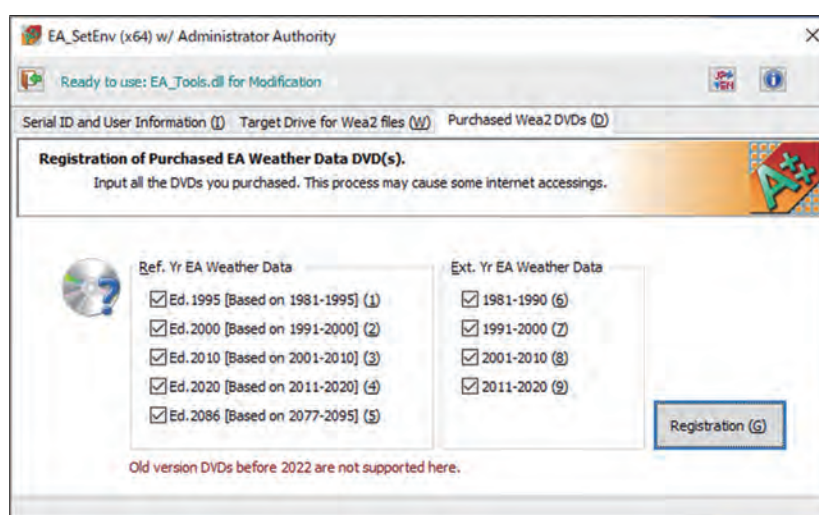





Fig. 9 Accompanying DVD Registration Window of EA_SetEnv2022





Give check marks for applying DVD or fatafiles and click the [Registration (G)] button to save the data. Then accepted information dialogue box shown in Fig. 5 (p.4) will be displayed.

1.5 Registry Data for EA_SetEnv2022 and Others

Important data saved by clicking the [Registration (G)] button in the window of EA_SetEnv2022 are stored in the Windows registry System file. General users never deal with the System manually. However, to look at the registry data is helpful to make some trouble shootings of the graphic tools' irregular behaviors. For this reason, the primary registry information is explained here:

```
HKEY_CURRENT_USER\SOFTWARE\MetDS\EA_Tools\
    DllPath ..... Loation of executatble files (Untouchable)
    DrvDir ..... Using DVD drive (Ciphared/Untouchable)
    TmpPath ..... Location of users' files (Modification not recommended)
    DrvDir ..... Holding DVD information (Internal expression/Untouchable)
```

By the way, there are buttons in the window of EA_SetEnv2022 which are not explained yet: , , . Now we explain these three buttons briefly^{*2}.

If  button is clicked, the program terminates. This button is an alternative for System button .  button has a function to change displaying language between Japanese and English. When you click  button, new window of default internet browser will invoke to show our (MetDS's) home page.

2 Outline of Graphic Tools

2.1 Icons and Main Window Looks of Tool Programs

In this section, ① ColorMap – “Color Map” (File: ColorMap.exe), ② DDWin – “Degree-Day Win” (File: DDWin.exe), ③ GmConv – “Gray Map Conv” (File: GmConv.exe), ④ SkyMap – “Sky Map” (File: SkyMap.exe), ⑤ SolMap – “Sol Map” (File: SolMap.exe), and ⑥ StnFind – “Station Find” (File: StnFind.exe) are introduced briefly to illustrate their main windows.

Each program has 32 bit version and 64 bit version. Due to that reason, installed folders are different (refer p.1). And the 32/64 bit version of each program can be recognized from the title bar description of the main window. Figure 10 is an example. You can see title line difference.

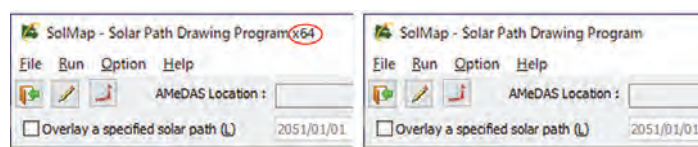


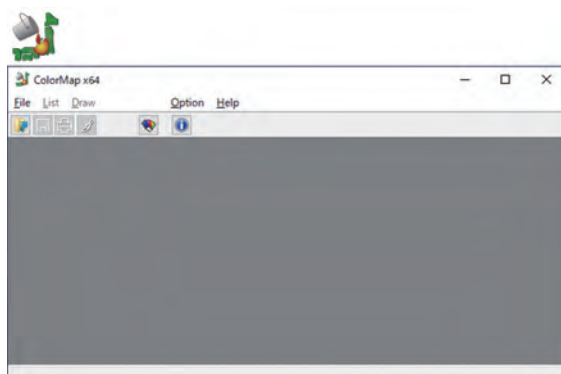
Fig. 10 Distinction of 32/64 Bit Versions on the Title of the Main Window (L: 64 bit Version/ R: 32 bit Version)

The icons and the main window of all the programs (① – ⑥) are shown in Fig. 11 . Note that

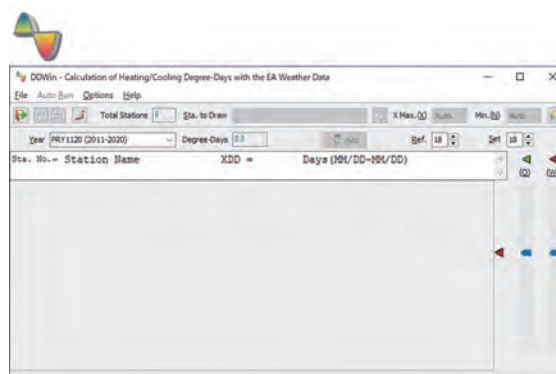
^{*2} These buttons are named as “speed buttons” in Windows world and act with left mouse click on the faces. When your mouse cursor is staying on the speed button, a baloon hint and/or status line hint may be displayed to understand the function of operation.

aspect ratios of the windows were edited to lay out them in a page. Their sizes are not the same as the initial start-up windows' ones.

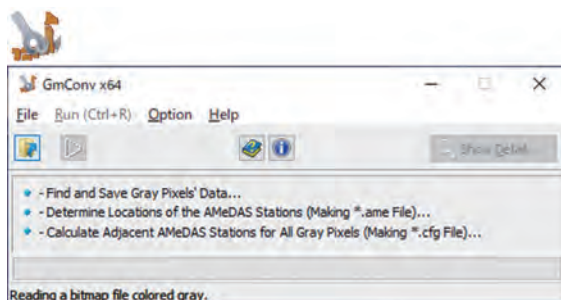
(a) Color Contour Map Drawing Tool: ColorMap



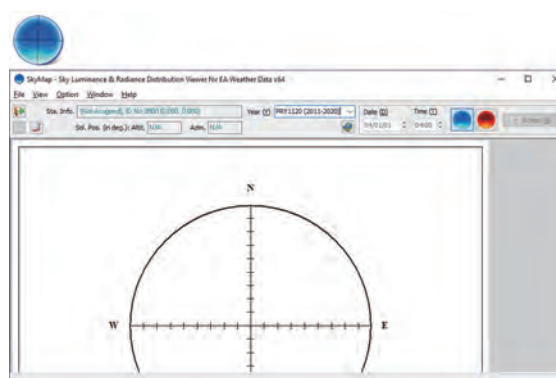
(b) Degree-Day Calculator and Drawer: DDWin



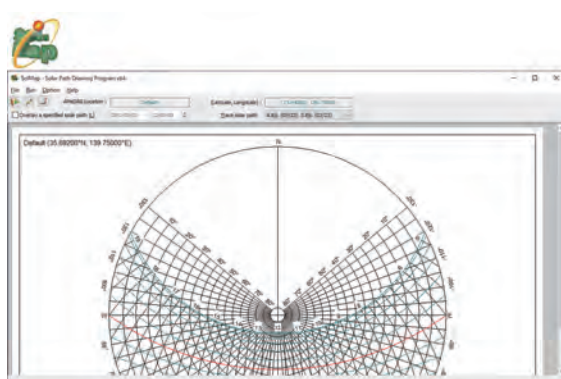
(c) Gray Template File Maker for ColorMap: GmConv



(d) Sky Luminance/Radiance Distributions Drawing Tool: SkyMap



(e) Solar Path Drawing Tool : SolMap



(f) AMeDAS Station Browser: StnFind

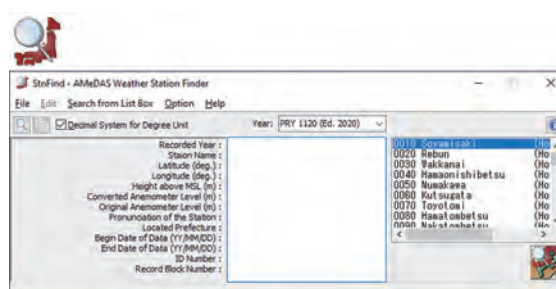


Fig. 11 The Icons and the Main Window of Six Tool Programs

For our familiar customers who have work with previous versions of the tool programs, all the main window and icon looks are familiar ones and imagine that the functions of the programs are fundamentally similar to the previous ones. That expectation is correct and they can use these new tools without discomfort. However, some improvements and new functions are added. Thus overview of such points is expressed in the next section.

2.2 Outline of Tool Programs

Watch carefully Tab. 1 in later pages. The table is a summary of the tool programs.

For all the tool programs summarized in the table, each programs has two versions related to the OS environment, 32 bit version and 64 bit version. Each one can also work with Japanese Windows environment and English Windows environment. However, note that there is an uncertain no-boot error occurring in English environment for SolMap. All the tool programs need to access simply to the dynamic link libraries (StnInfo2022.dll and EA_Tools.dll). In order to avoid access troubles, these two files should be located into the same folder for the tool programs' executable files. The two library files also have two versions, 32/64 bit. Mixing use of versions for all the files should be avoided. You have to use the installed folders as "let it be".

You can select some AMeDAS stations (observatories) via a list box which is illustrated in the left hand of window pane in Fig. 11 (f), for example. However, it is more general for you to use a window of co-proceeded program StnGUI (StnGUI.exe) for selecting stations. The window of StnGUI is shown in Fig. 12. That program is always invoked from each of tool programs. StnGUI accept multi selection of stations but calling program may expect just one selection. In such case, the last station selected widely is adopted.

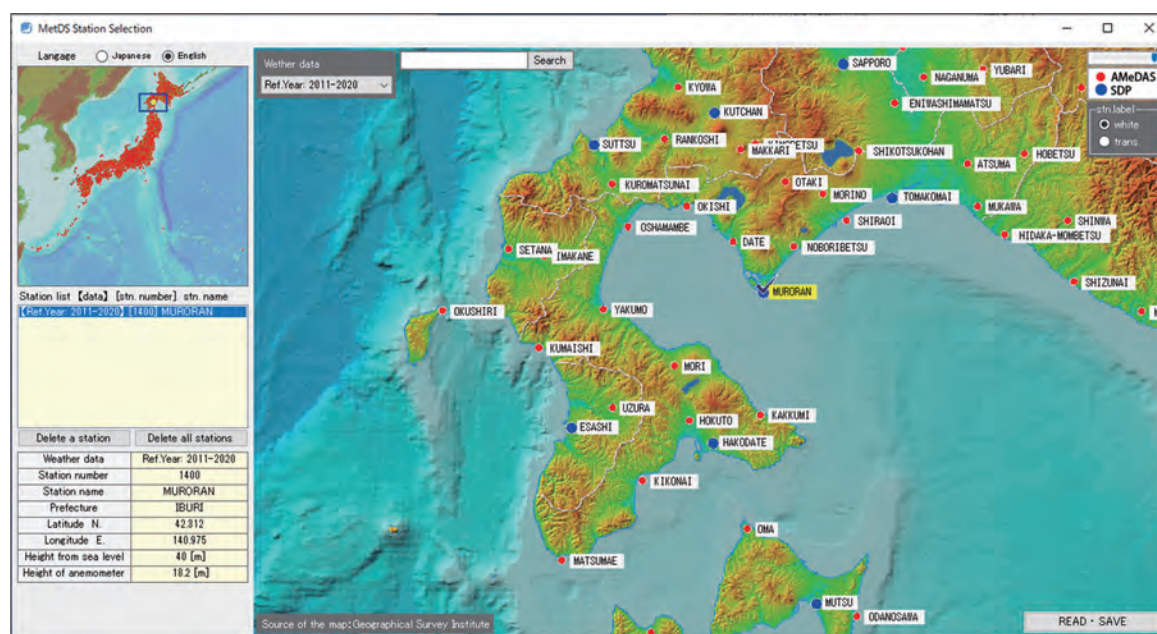


Fig. 12 Example Window of StnGUI, a Program for Selecting AMeDAS Station

You can see a column entitled "Use of doc" in Tab. 1. This means that a program automatically reads/writes some user files in folders under the directory of "C:\Users\Hoge\Documents*³". The check marks are assigned to four tool programs: ColorMap, DDWin, GmConv, and SkyMap. Because two programs, ColorMap and GmConv, share the user folders, there are three folders to be concerned.

^{*3} This directory is usually called "Documents (Folder)". In this sentence, Hoge means a user's name. Please replace the phrase to be suitable for you.

Table. 1 Outline of the Six Tool Programs

| Name of Tool (Version) | 32/64 Bit Ver. | JP/EN Mode | Use of Dlls | Use of Stn GUI | Use of doc | Main Functions | Modified/Improved Points | Other Remarks |
|------------------------|----------------|------------|-------------|----------------|------------|--|---|--|
| ColorMap (2.0) | ✓ | ✓ | ✓ | | ✓ | The two-dimensional distribution of values at the AMeDAS stations is expressed in a color contour map. This drawing tool works for All Japan map, Hokkaido map, Tohoku map, and so on by using contributed template gray map files. | The template files are enhanced. Now color maps related to the past reference year PRY2020 and the future reference year FRY2086 can be drawn. | The template and data files are contributed as a self-expandable zip file, CM_Dataset.exe . This zip file is expanded automatically when the ColorMap invokes for the first time. |
| DDWin (3.0) | ✓ | ✓ | ✓ | ✓ | ✓ | Make visual graph of annual degree-day fluctuation using a target station's daily mean air temperature data. | Now discontinued to work with user files (uf1 files). The slider bars can move more smoothly and display monitor flickering is weakened. | Continuous calculation is available by option menu and applying arguments' option (batch job). |
| GmConv (4.2) | ✓ | ✓ | ✓ | | ✓ | Template data file generation tool for ColorMap . A gray bitmap file is a fundamental element of this program. | Batch work functions are enhanced. See Hokkaido.gmb file. | StnInfo files are required for correct work. |

| Name of Tool (Version) | 32/64 Bit Ver. | JP/EN Mode | Use of Dlls | Use of Stn GUI | Use of doc | Main Functions | Modified/Improved Points | Other Remarks |
|------------------------|----------------|------------|-------------|----------------|------------|---|--|--|
| SkyMap (4.0) | ✓ | ✓ | ✓ | ✓ | ✓ | Sky luminance/radiance distribution map drawing tool. Calculation model is <i>i</i> -All Sky Model-L/-R (Igawa, 2014[6]). | Now discontinued to work with user files (uf1 files). Batch output operation is enhanced. Now hourly calculation for IDMP 145 points can work for a full course of year. | |
| SolMap (2.0) | ✓ | ✓ | ✓ | ✓ | | Solar path drawing tool. | Calculation method of the solar position is improved. Now estimation for a future year till 2150 is available. | Sometime it cannot start-up in English OS environment. |
| StnFind (2.0) | ✓ | ✓ | ✓ | ✓ | | AMeDAS station's information browser. | | |

✓ is given for existing the both versions of 32/64 bit.

✓ is given for supporting Japanese/English language switch mode.

✓ is given in case that the program requires StnInfo2022.dll and EA_Tools.dll.

✓ is given in case that the program calls StnGUI.exe.

✓ is given for supporting a user folder to output users' workfiles.

Followings itemized lines are descriptions of the user folders construction. The folders can be built automatically. Thus you can not need to consider their buildings. **However, those folders include important result files created by yourself with great effort. Thus you should understand their construction to know where my files are.** When you move and/or erase the user files in these folder, you must confirm the files' time stamps to avoid losing default files existed there. **It is good idea that all the files in these folders are given the file attributes for "read only permission" before you start to use the tool programs in earnest.** And you can recopy the default files contributed with the installer by copying `CM_Dataset.exe` into some user folder and executing it to expand all the default files for ColorMap and GmConv.

```
C:\Users\Hoge\Documents\EA_Tools\
- ColorMap\.....for ColorMap and GmConv
    Ame, Bmp, Cfg.....Template files for map drawing work
    Dat\
        <.>.....Drawing datafiles, drawn bmp files, etc.
        Template.....Template datafiles
        Sample.....Sample datafiles and sample bmp files
- DDWin.....for output files and batch job files of DDWin
- SkyMap.....for output files of SkyMap
```

There are many manuals to get more information in detail on these user folders. You can refer manuals for ColorMap/GmConv, DDWin and SkyMap [1]–[3]. Description in this section is limited just for users' trouble shooting.

2.3 Applied Registries

In order to use for trouble shooting, now we would like to write down all registry data items under the directory: `HKEY_CURRENT_USER\SOFTWARE\MetDS\EA_Tools\`

- `HKEY_CURRENT_USER\SOFTWARE\MetDS\EA_Tools\ColorMap`
 - `AmePath` = `C:\Users\Hoge\Documents\EA_Tools\ColorMap\Ame\`
 - `BmpPath` = `C:\Users\Hoge\Documents\EA_Tools\ColorMap\Bmp\`
 - `CfgPath` = `C:\Users\Hoge\Documents\EA_Tools\ColorMap\Cfg\`
 - `DatPath` = `C:\Users\Hoge\Documents\EA_Tools\ColorMap\Dat\`
 - `Clrs` = `ff5800 e6ff00 00ff00 00ffe6 0058ff 0058ff 0058ff 0058ff 0058ff 0058ff`
 - `UseJP` = Boolean Integer [0 | 1]
 - `WindowLeft` = Integer
 - `WindowTop` = Integer
- `HKEY_CURRENT_USER\SOFTWARE\MetDS\EA_Tools\DDWin`
 - `UseJP` = Boolean Integer [0 | 1]
 - `Kind` = Boolean Integer [0 | 1]
 - `Multi` = Boolean Integer [0 | 1]
 - `Skip` = Boolean Integer [0 | 1]
 - `Scaling` = Boolean Integer [0 | 1]
 - `UserWY` = Boolean Integer [0 | 1]
 - `Height` = Integer
 - `Left` = Integer
 - `Top` = Integer
 - `Width` = Integer
 - `UsedFile` = `C:\Users\Hoge\Documents\EA_Tools\DDWinDat\Hoge.txt`

- HKEY_CURRENT_USER\SOFTWARE\MetDS\EA_Tools\EA_SetEnv
 - Update = 20YY/MM/DD hh:mm:ss
 - WindowLeft = Integer
 - WindowTop = Integer
 - UseJP = Boolean Integer [0 | 1]
- HKEY_CURRENT_USER\SOFTWARE\MetDS\EA_Tools\GmConv
 - UseJP = Boolean Integer [0 | 1]
 - WindowLeft = Integer
 - WindowTop = Integer
 - OldStnInfo = Integer
- HKEY_CURRENT_USER\SOFTWARE\MetDS\EA_Tools\SkyMap
 - ClrsL = 000000 500000 700000 a00000 d00000 f03000 f05000 f07000 ... (omission)
 - ClrsR = 000000 001030 001050 001070 0010a0 0010d0 0050f0 0070f0 ... (omission)
 - UseJP = Boolean Integer [0 | 1]
 - WindowLeft = Integer
 - WindowTop = Integer
 - WindowHeight = Integer
 - WindowWidth = Integer
 - DrawC = Boolean Integer [0 | 1]
 - DrawP = Boolean Integer [0 | 1]
 - DrawS = Boolean Integer [0 | 1]
 - DrawT = Boolean Integer [0 | 1]
 - GraphLeft = Integer
 - GraphTop = Integer
 - GraphHeight = Integer
 - GraphWidth = Integer
- HKEY_CURRENT_USER\SOFTWARE\MetDS\EA_Tools\SolMap
 - UseJP = Boolean Integer [0 | 1]
 - WindowLeft = Integer
 - WindowTop = Integer
 - WindowHeight = Integer
 - WindowWidth = Integer
- HKEY_CURRENT_USER\SOFTWARE\MetDS\EA_Tools\StnFind
 - AutoSave = Boolean Integer [0 | 1]
 - DecMode = Boolean Integer [0 | 1]
 - DecOn = Boolean Integer [0 | 1]
 - DllSave = Boolean Integer [0 | 1]
 - LoadPrev = Boolean Integer [0 | 1]
 - WindowFix = Integer[0 | 1]
 - UseJP = Boolean Integer [0 | 1]
 - LoctPrev = Integer
 - WindowPos = Integer
 - WindowLeft = Integer
 - WindowTop = Integer

If you are not an expert for Windows administrative operations, we never recommend edit these registries manually. Please understand that this information is just materials for trouble shooting. When you contact to our support office due to meet some technical troubles in the tool programs, please fill a inquiry form in our home page and tell us how is your registry condition.

References

- [1] MetDS: EA Graphic Tools 2022 Color Map Drawing Tool – ColorMap & Gray-Map Converting Tool for ColorMap – GmConv, Users' Manual, Meteorological Data System Co. Ltd. (Kagoshima, e-book), 2022.5.
- [2] MetDS: EA Graphic Tools 2022 Degree-Day Calculation Tool – DDWin, Users' Manual, Meteorological Data System Co. Ltd. (Kagoshima, e-book), 2022.5.
- [3] MetDS: EA Graphic Tools 2022 Sky Luminance/Radiance Distribution Drawing Tool – SkyMap, Users' Manual, Meteorological Data System Co. Ltd. (Kagoshima, e-book), 2022.5.
- [4] MetDS: EA Graphic Tools 2022 Solar Path Drawing Tool – SolMap, Users' Manual, Meteorological Data System Co. Ltd. (Kagoshima, e-book), 2022.5.
- [5] MetDS: EA Graphic Tools 2022 AMeDAS Station Browsing Tool – StnFind, Users' Manual, Meteorological Data System Co. Ltd. (Kagoshima, e-book), 2022.5.
- [6] N. Igawa: Improving the All Sky Model for the luminance and radiance distributions of the sky, Solar Energy, 105, pp.137-157, 2014.

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