Welcome to the 2022 Online HYSPLIT Workshop

(pre-workshop installation day)

The broadcast is scheduled to start at:
09:00 Eastern Daylight Time (EDT) = 13:00 UTC

NOAA Air Resources Laboratory
June 13, 2022
Workshop guidance and resources posted at

[Workshop Web Page](https://www.ready.noaa.gov/register/HYSPLIT_hyagenda.php)

*We will update this page each day to include any new materials or links that are relevant to the Workshop*
## 2022 HYSPLIT Workshop Schedule

*Subject to change, depending on the progression of the course and at the discretion of the instructors*

<table>
<thead>
<tr>
<th>Time (UTC)</th>
<th>Eastern Daylight Time</th>
<th>Monday, June 13, 2022</th>
<th>Tuesday, June 14, 2022</th>
<th>Wednesday, June 15, 2022</th>
<th>Thursday, June 16, 2022</th>
<th>Friday, June 17, 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:00 - 14:00</td>
<td>9:00 - 10:00</td>
<td><em><em>OPTIONAL</em> 1a. Installing HYSPLIT on Windows PC</em>*</td>
<td><strong>Introduction</strong></td>
<td>11. Pollutant transformations and deposition (continued)</td>
<td><strong>Introduction</strong></td>
<td><strong>Introduction</strong></td>
</tr>
<tr>
<td>14:00 - 15:00</td>
<td>10:00 - 11:00</td>
<td><em><em>OPTIONAL</em> 1b. Installing HYSPLIT on MAC</em>*</td>
<td><strong>3. Gridded Meteorological Data Files</strong></td>
<td>7. Air Concentration calculations</td>
<td><strong>Break</strong></td>
<td><strong>Break</strong></td>
</tr>
<tr>
<td>15:00 - 16:00</td>
<td>11:00 - 12:00</td>
<td><strong>One-on-one virtual installation sessions, by appointment</strong></td>
<td>4. Trajectory Calculations</td>
<td>8. Configuring the CAPTEX simulation</td>
<td><strong>Break</strong></td>
<td>15. Radioactive pollutants and dose</td>
</tr>
<tr>
<td>16:00 - 17:00</td>
<td>12:00 - 13:00</td>
<td><strong>One-on-one virtual installation sessions, by appointment</strong></td>
<td><strong>Break</strong></td>
<td><strong>Break</strong></td>
<td><strong>Break</strong></td>
<td>16. Volcanic eruptions with gravitational settling</td>
</tr>
<tr>
<td>17:00 - 18:00</td>
<td>13:00 - 14:00</td>
<td><strong>One-on-one virtual installation sessions, by appointment</strong></td>
<td><strong>5. Trajectory Options</strong></td>
<td><strong>9. Air concentration parameter sensitivity</strong></td>
<td><strong>Break</strong></td>
<td><strong>Break</strong></td>
</tr>
<tr>
<td>18:00 - 19:00</td>
<td>14:00 - 15:00</td>
<td><strong>One-on-one virtual installation sessions, by appointment</strong></td>
<td><strong>6. Trajectory Statistics</strong></td>
<td><strong>10. Alternate display options</strong></td>
<td><strong>Break</strong></td>
<td><strong>Break</strong></td>
</tr>
<tr>
<td>19:00 - 20:00</td>
<td>15:00 - 16:00</td>
<td><strong>One-on-one virtual installation sessions, by appointment</strong></td>
<td><strong>Day 1 Wrap-Up</strong></td>
<td><strong>14a. Wildfire Smoke</strong></td>
<td><strong>Day 1 Wrap-Up</strong></td>
<td>14b. Dust Storms</td>
</tr>
<tr>
<td>20:00 - 21:00</td>
<td>16:00 - 17:00</td>
<td><strong>One-on-one virtual installation sessions, by appointment</strong></td>
<td><strong>11. Pollutant transformations and deposition</strong></td>
<td><strong>Day 2 Wrap Up</strong></td>
<td><strong>Day 2 Wrap Up</strong></td>
<td><strong>Day 3 Wrap Up</strong></td>
</tr>
</tbody>
</table>

*Day 2 Wrap Up is subject to change depending on the progression of the course and at the discretion of the instructors.*

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Day 3 Wrap Up is subject to change depending on the progression of the course and at the discretion of the instructors.
# Agenda – Day 0

<table>
<thead>
<tr>
<th>UTC</th>
<th>EDT</th>
<th>Agenda Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:00 – 13:45</td>
<td>09:00 – 09:45</td>
<td>1-2: Installation on Windows PC’s</td>
</tr>
<tr>
<td>13:45 – 14:00</td>
<td>09:45 – 10:00</td>
<td>Break</td>
</tr>
<tr>
<td>14:00 – 14:30</td>
<td>10:00 – 10:30</td>
<td>1-2: Installation on Windows PC’s</td>
</tr>
<tr>
<td>14:30 – 15:00</td>
<td>10:30 – 11:00</td>
<td>Break</td>
</tr>
<tr>
<td>15:00 – 16:00</td>
<td>11:00 – 12:00</td>
<td>30-minute individual installation session as needed</td>
</tr>
<tr>
<td>16:00 – 17:00</td>
<td>12:00 – 13:00</td>
<td>Break</td>
</tr>
<tr>
<td>17:00 – 21:00</td>
<td>13:00 – 17:00</td>
<td>30-minute individual installation session as needed</td>
</tr>
</tbody>
</table>

Note: all times are approximate
During this short pre-workshop installation day Go-to-Webinar session, we will try to respond to questions in the Go-to-Webinar question box, although we apologize if we are unable to keep up with all questions asked.

Alternatively, during this session or later in the day, you can post your questions [Forum > 2022 HYSPLIT Workshop Questions > Installation], and we will assist you as soon as possible.

- A separate registration is required to post to the Forum. If you are not already registered for the HYSPLIT Forum, create a free account at https://hysplitbbs.arl.noaa.gov/, by clicking on the Register link near the top right of the page. Questions before the Workshop, e.g., about installation, can be posted here. *The Forum will also be the primary way that participants will be able to ask questions during the Workshop itself.*

For all remaining installation issues:
- we will try to provide assistance by appointment on Monday June 13 (today), between the hours of 11 AM and 5 PM U.S. Eastern Daylight Time.
- To make an appointment, please use our web application for scheduling at https://apps.arl.noaa.gov/pickurtm. (Link is also on Workshop Web Page)
- Your email address used for the workshop registration will be required.
Asking Questions

- During this short installation day Webinar, you can ask questions in the Go-to-Webinar Questions box – we will do our best to keep up with the questions.

- Or you can ask questions in the HYSPLIT Forum
  
  https://hysplitbbs.arl.noaa.gov/viewforum.php?f=76
Asking Questions in the HYSPLIT Forum

https://hysplitbbs.arl.noaa.gov/viewforum.php?f=76

- You can ask more detailed questions, e.g., can attach screen shots
- We can provide more detailed answers
- There can be an exchange back and forth, if needed
- Can see other questions – in case you have a similar question
- We can give you a link to the answer to a similar question
- Accessible to people just viewing the recordings
Notes on Installation
Installation

From the Workshop Web Page: https://www.ready.noaa.gov/register/HYSPLIT_hyagenda.php

Key Steps to Take Before the Workshop

1. Download the primary course materials - Tutorial.zip - and unzip the contents consistent with preconfigured input files, but placing the file elsewhere is allowed. On any operating system, if unzipping to a different directory, the HYSPLIT system uses the space as a file name delimiter.

2. Navigate to the Tutorial directory and open Index.html in a browser window.

3. Click on the link in section 1. Installing HYSPLIT to the instructions for your computer. As described in the Installation instructions, graphical utilities should be installed.

   For Windows users only: Two legacy executables included in versions were found to have an issue. They are txt2dbf.exe and dbf2txt.exe. They
Key Steps to Take Before the Workshop

1. Download the primary course materials - **Tutorial.zip** - and unzip the contents. For Windows users, unzipping to c:"Tutorial is recommended, to be most fully consistent with preconfigured input files, but placing the file elsewhere is also possible, e.g., c:users\your_name\Tutorial. For MAC users, the file can be unzipped to the Home directory. On any operating system, if unzipping to a different directory name, avoid directories with embedded spaces because many programs in the HYSPLIT system use the space as a file name delimiter.

2. Navigate to the Tutorial directory and open Index.html in a browser window. You should see something like the screenshot at right.

3. Click on the link in section 1, **Installing HYSPLIT** to the instructions for your operating system (Windows PC, Apple MAC OSX, or UNIX-LINUX) and follow the instructions there to install HYSPLIT and associated software on your computer. As described in the Installation instructions, graphical utilities should be installed prior to HYSPLIT. E.g., for Windows installations, Tcl/Tk, and ImageMagick should be installed prior to installing HYSPLIT. For Windows users only: Two legacy executables included in versions 5.2.0 and 5.2.1 (and earlier releases) were found to have an issue. They are tx2dfl.exe and dbf2txt.exe. They create and check DBF files for Geographic Information System (GIS). Please download and unzip the dbf_utils.zip file and place the executables in the hysplit.exe directory to overwrite the existing.

4. Installation may require administrative privileges, and we urge you to work with your IT colleagues to successfully complete this installation process if necessary. The Workshop is intended to be hands-on, i.e., the participants will be following along and will be carrying out the steps in the Tutorial themselves.

   Due to the large number of participants, it will be difficult for us to provide significant installation help once the Workshop starts. We will try to answer questions, but installation issues can be difficult to efficiently resolve remotely. Thus, we strongly encourage all participants to make every effort to complete the installation before the Workshop starts.

   If you encounter any installation issues **prior to the Workshop**, please post your questions [Forum > 2022 HYSPLIT Workshop Questions > Installation] and we will assist you. A separate registration is required to post to the Forum (see item 6 below).

   For all remaining installation issues, we will attempt to provide assistance by appointment on Monday June 13, between the hours of 11 AM and 5 PM Eastern Daylight Time. To make an appointment, please use our web application for scheduling at [https://app.epl.noaa.gov/register](https://app.epl.noaa.gov/register). Your email address used for the workshop registration will be required.

5. If possible, try "test" the installation by following instructions in section 2 of the Tutorial, "Test trajectory calculation" and "Test air concentration calculation". If you can successfully reproduce the steps outlined in these sections on your computer, the installation process has most likely been successful.

6. If you are not already registered for the HYSPLIT Forum, create a free account at [https://hysplitbs.at.noaa.gov/](https://hysplitbs.at.noaa.gov/) by clicking on the Register link near the top right of the page. Questions before the Workshop, e.g., about installation, can be posted here. The Forum will also be the primary way that participants will be able to ask questions during the Workshop itself.
1. Download and unzip Tutorial.zip to somewhere on your computer

2. Double-click or “open” index.html in Tutorial main directory to open the Tutorial in a browser.
1.1 Windows PC HYSPLIT Install

The public-unregistered or registered versions of HYSPLIT should be downloaded as noted below. The installation contains all the executables, documentation, and some test meteorological data. Starting with HYSPLIT v6.2.0, the graphical user interface only requires Tcl/Tk because the Postscript graphics have been replaced by Scalable Vector Graphics (SVG) which can be displayed through any browser. Ghostscript and Ghostview are no longer needed. ImageMagick should also be installed if SVG is to be converted to other formats. Other optional programs such as Google Earth and ArcExplorer may be installed if desired. Each software component must be downloaded from its own vendor or distributor web page, unless noted below. For some programs, selections exist for either a 32-bit or 64-bit download. HYSPLIT is provided only for a 64-bit OS. If you are unsure of which system is installed on your computer, check the control panel system tab for the operating system.

1. Tcl/Tk Graphical User Interface

Version 8.5 or later is required.

A Tcl/Tk script interpreter is required to run the HYSPLIT GUI. Further, various computations can be automated through the use of Tcl scripts. The standard HYSPLIT installation includes all the GUI scripts, but the Tcl/Tk Interpreter is not part of the distribution. You can download and compile the source code, use one of the precompiled binaries available from the Tcl/Tk web site, or download and unzip the ARL compiled version (tcl.zip) to a directory on your computer (C:\tcl for example) which will contain the Windows executable (tcl\bin\wish86l.exe). For other versions, install the software to the suggested default directory prior to installing HYSPLIT.

- ARL pre-compiled Tcl/Tk 8.6 executable
- Tcl/Tk Developers Home Page

2. ImageMagick File Converter

Tested versions include up to 7.0.7.

The GUI has a built-in link that permits the conversion of the SVG output to most other
1.2 Apple MAC OSX HYSPLIT install

The HYSPLIT Mac installation is similar to a Windows PC. Starting with HYSPLIT v5.2.0, the graphical user interface only requires Tcl/Tk because the Postscript graphics have been replaced by Scalable Vector Graphics (SVG) which can be displayed through any browser.

1. Tcl/Tk Graphical User Interface

   Version 8.5 or later is required.

   Although not required to run HYSPLIT, a GUI composed of multiple Tcl/Tk scripts is provided with HYSPLIT. The model can also be run using a command line interface, however, it is easier for novice users to use the Tcl/Tk interface. The HYSPLIT installation includes all the GUI scripts, but the Tcl/Tk interpreter is not part of the distribution. Most Unix/Linux operating system distributions, as well as Mac OS X, include Tcl/Tk. If not already installed, you can download Tcl/Tk from the Tcl/Tk web site. Install the software to the suggested default directory prior to installing HYSPLIT.

   - [Tcl/Tk Home Page](#)

2. ImageMagick Converter

   Tested versions include up to 7.0.7.

   The capability to convert SVG to other graphical formats is enabled within the GUI through ImageMagick. However, on MAC systems the Preview function can also be used to export SVG files.
1.3 UNIX - LINUX HYSPLIT install

Like the Windows and Mac distributions, pre-compiled LINUX distributions come with all executables. However, for installation on a UNIX or some LINUX systems, the code must be compiled locally. See the HYSPLIT web page for more information about how to obtain either LINUX version. The remainder of this section discusses (1) how to install a pre-compiled LINUX distribution and (2) how to obtain and compile the source code from the repository.

Installing pre-compiled Linux distribution

1. Similar to all pre-compiled versions, Windows, Mac, and LINUX, the prerequisite software should be installed prior to installing HYSPLIT. The graphical user interface requires Tcl/Tk version 8.5 or later. The default graphical format for HYSPLIT is now SVG, which can be viewed using any browser. The GUI and tutorial scripts search for the installation location of Firefox. You may need to change the browser if Firefox is not found on your system.

2. SVG can be converted to other formats using ImageMagick. If not already available on your system, they may be easily installed using yum, apt, or brew. For some systems, just entering one of the commands, for instance wish for Tcl, or convert for ImageMagick will prompt the system to download and install the required libraries and software.

3. A pre-compiled LINUX distribution is a compressed tarball named hysplit vX.Y.Z_OS.tar.gz where X Y Z and OS denote a HYSPLIT version and an operating system, respectively.
<table>
<thead>
<tr>
<th></th>
<th>Windows</th>
<th>MacOS</th>
<th>Linux</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tutorial</strong></td>
<td>Download and unzip Tutorial.zip</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Graphical Utilities</strong></td>
<td><strong>Tcl/Tk</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>➢ Install from Tcl/Tk website</td>
<td>➢ Already installed on most MacOS systems</td>
<td>➢ Already installed on most Linux systems</td>
</tr>
<tr>
<td></td>
<td>➢ Or -- Download pre-compiled executable from ARL website</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>ImageMagick</strong></td>
<td><strong>Optional – can do almost everything in Workshop except create animation or convert graphics to other formats</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Python</strong></td>
<td><strong>Optional – not required for Workshop</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>➢ Download and run self-extracting executable</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>➢ Or -- Download and unzip model files</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HYSPLIT</strong></td>
<td>➢ Download hysplit_v5.2.1.dmg and then run Install_hysplit.app</td>
<td>➢ Precompiled executables</td>
<td>➢ Or -- Compile locally</td>
</tr>
</tbody>
</table>
What does a successful installation look like?

Sometimes this “yellow” window is behind the “Menus of Hysplit” window.
What does a successful installation look like?

If you are getting these types of things on your screen, then you have likely installed HYSPLIT successfully, and, that Tcl/Tk interpreter has been installed and is working properly on your computer.
What does a successful installation look like?

Target:
C:\Users\Mark\OneDrive\Documents\tcl\tcl\bin\wish86t.exe
C:\hysplit\guicode\hysplit.tcl

Desktop shortcut if TCL installed in default location and your computer knows how to open *.tcl files.

Desktop shortcut if you downloaded pre-compiled TCL executable and placed it in a directory of your choosing (in this example, it was in my Users directory)
Working with the Tutorial
1. Download and unzip Tutorial.zip to somewhere on your computer

2. Double-click or “open” index.html in Tutorial main directory to open the Tutorial in a browser.

HYSPLIT Basic Tutorial Contents

Last Revised May 2022

Index

HYSPPLIT consists of a series of programs that read meteorological data files to compute trajectories, particle dispersion, and air concentrations. A very brief overview is provided here for those not familiar with the terminology.

Follow the HYSPPLIT tutorial sections in the sequence shown below, working through each example. GUI menu screen images will be shown as needed. However, not all of the GUI options will be exercised with each example. Additional menu options will be introduced as needed. The GUI just creates the required input files needed to run HYSPPLIT. Although the operation of the GUI is similar on Linux and Mac platforms, not all of the functions are available on all systems.

Some sections have a zoom button to show the required data entry values in a larger font. The tutorial is focused toward running HYSPPLIT on a Windows PC. However, most sections have a link to a LINUX script or a Windows batch file that can be used to reproduce the example.

The time at the bottom left of most pages shows the wall-clock time for that example. For some of the more computationally intense sections, the model output files can be found in the results directory of the tutorial.

The tutorial has been tested with HYSPPLIT version 5.2.0 (see what's new). The GUI is continuously evolving and some of the images of the GUI show here may reflect earlier versions if the particular option under discussion has not changed. The output examples may differ slightly from your results due to various operating systems, compilers, and CPU types in use.

1. Installing HYSPPLIT
   1. Windows PC
   2. Apple MAC OSX
   3. UNIX or LINUX
   4. HYSPPLIT directories
   5. Exercise #1

2. Testing the installation
   1. Graphical user interface operation
   2. Test trajectory calculation
   3. Test air concentration calculation
   4. Batch file scripting
   5. Using CAPTEX data in this tutorial
   6. Exercise #2
3. Gridded Meteorological Data Files
   1. Tutorial meteorological data
   2. FTP Meteorological data
   3. Convert meteorological data
   4. Meteorological data servers
   5. User entered meteorological data
   6. Exercise #3

4. Trajectory calculation
   1. The trajectory calculation
   2. The trajectory calculation (Extended version)
   3. Estimating mixing layer height
   4. Mixed layer trajectory
   5. Computational aspects
   6. Meteorology trajectory
   7. Absolute trajectory
   8. Exercise #4

5. Trajectory options
   1. Trajectory vertical options
   2. Trajectory flow options
   3. Trajectories and vendors
   4. Multiple trajectory
   5. Multiple trajectories
   6. Meteorological wave
   7. Exercise #5

6. Trajectory statistics
   1. Frequency analysis
   2. Cluster analysis
   3. Clustering equipment

3.1 Tutorial Meteorological Data

Most of the CAPTEX example calculations in the following tutorial sections use one or more of the eight meteorological data files provided in the Tutorial/captex directory. Additional meteorological files are provided for the Customized Concentration Simulations section at the end of this Tutorial in their own directories (Japan, Smoke, Dust, Sage). All meteorological files contain the data (u,v component wind speeds, temperature, and several other variables) on a regular grid at multiple levels and time periods. These files are already in a format that can be read by HYSPLIT directly. Converting data in other formats for use by HYSPLIT will be discussed in the next section. There are several programs available through the GUI that can be used to examine the contents of the meteorological data files.

If the tutorial contents have been downloaded, then all the meteorological data files are provided. If the tutorial is being run through the web, these files need to be downloaded. Insure that the data transfer is binary.

1. To start, select the Meteorology / Display Data / Grid Domain menu tab to open the grid domain menu and set the file name to each of the meteorological files to see the spatial domain covered:
   - Weather Research Forecast Model (27 km) UW version: captex2_wrf27uw.bin
   - Weather Research Forecast Model (27 km): captex2_wrf27mc.bin
   - Weather Research Forecast Model (27 km): captex2_wrf27.bin
On each Tutorial page, when you click on the “+” sign (or the magnifying glass) you can see more information.

And the links on the page also show you images or data relevant to this section of the Tutorial.

- A file contains data for one or more time periods.
- Each time period consists of two types of fixed-length records:
  - The header record: information about the grids and variables
  - The data records: are one per variable and level
Using the Go-to-Webinar Interface

...relevant if you are live-streaming the Workshop, but not if you are just viewing a recording...
Using the Go-to-Webinar Interface

With the Go-to-Webinar Desktop Application

Or can join through an internet browser
(Google Chrome or Microsoft Edge)

Using the Go-to-Webinar Browser Interface

- Toggle presenting team’s webcam view to create more room on your screen
- Materials, e.g., handouts
- Questions
- Settings
- Take a screenshot
Using the Go-to-Webinar Browser Interface


1. Make sure you meet the browser requirements.
   - Linux or Google Chrome OS
   - Microsoft Edge (most recent 3 versions)
   - Google Chrome (most recent 3 versions)

2. Go back to the confirmation email or You're Registered! page.
   - Copy the join links.
   - If you have the confirmation email open, right-click Join Webinar then select Copy Hyperlink.
   - If you are on the You're Registered! page, right-click join this webinar then select Copy link address.

3. In a Google Chrome or Microsoft Edge browser, paste the join link.

   At the end of the URL, type in \texttt{?clientType=html5} then press Enter.

   The Join link will look similar to
   This link is not a real webinar but an example...
Using the Go-to-Webinar Desktop App Interface

If the Go-to-Webinar Control Panel is hidden (minimized) it will look like this.

Click the red arrow to toggle between hidden and not-hidden.

If not hidden, the Go-to-Webinar Control Panel will look something like this.
Using the Go-to-Webinar Desktop App Interface

Use the View drop-down menu, for example:

✓ to autohide control panel or not

✓ to restore the basic default layout if something disappears
Using the Go-to-Webinar Desktop App Interface

By toggling the little triangle by each Control Panel section, you can expand it or contract it.

We will put important handouts in this section.

When you ask questions of the staff, your questions and answers will be shown in this section.

Or when the staff sends the audience a message, you will also see it here.
Using the Go-to-Webinar Desktop App Interface

By toggling the little box in the upper right-hand corner of a given section, you can undock it or redock it.
To ask a question, you type in the empty box, and then hit “send”.

The question you asked should then show up in your Control Panel.

When we answer it, the answer will show up in your Control Panel.
Using the Go-to-Webinar Desktop App Interface

Sometimes we will ask for a show of hands on a particular question. You click the little hand icon to raise your hand.

To lower your hand, you click again on the same icon.

Normally, after we get the answers, we will automatically lower everyone’s hand.

You are in listen-only mode, so you don’t raise your hand to ask a question.
You can click on the “globe” icon to change the language of the Control Panel.

Although Questions and Answers will be in English.
Asking Questions
Asking Questions

- Ask general or logistical questions about the Webinar or Go-to-Webinar in the Control Panel that was just discussed.
  
  ...if viewing a recording, can ask general questions by emailing arl.webmaster@noaa.gov

- Ask questions about HYSPLIT and the Tutorial in the HYSPLIT Forum

  https://hysplitbbs.arl.noaa.gov/viewforum.php?f=76
If you have not already registered for the HYSPLIT Forum, you can do so easily by clicking on the “Register” icon at

https://hysplitbbs.arl.noaa.gov/
Asking Questions

- Registration process asks you to place a series of cities either in the
  - United States of America
  - Other Countries

- Think of the biggest most important version of the city...

- E.g., even though there is a “Rome” in the U.S. and a “Paris” in the U.S., the correct answer is that they are in “Other Countries”

- One ambiguous one is “San Jose”, and for this purpose, identify it as being in the “United States of America” (even though it is also the Capital of Costa Rica)
Asking Questions

### HYSPLIT Forum: hysplitbbs.arl.noaa.gov

A Forum for HYSPLIT Dispersion Model Users to Communicate Questions, Problems, and Ideas for Upgrades, etc.

<table>
<thead>
<tr>
<th>Board index</th>
</tr>
</thead>
<tbody>
<tr>
<td>It is currently June 18th, 2020, 6:35 pm</td>
</tr>
<tr>
<td>Last visit was: June 16th, 2020, 10:13 am</td>
</tr>
</tbody>
</table>

#### HYSLIT

<table>
<thead>
<tr>
<th>USERS</th>
<th>TOPICS</th>
<th>POSTS</th>
<th>LAST POST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Users</td>
<td>190</td>
<td>715</td>
<td>Re: Meteorological Data by Barbara Stunder @ May 26th, 2020, 8:52 am</td>
</tr>
<tr>
<td>Developers</td>
<td>19</td>
<td>70</td>
<td>Trying to Recreate This image by muneydl @ May 11th, 2020, 9:48 am</td>
</tr>
<tr>
<td>Bugs</td>
<td>42</td>
<td>145</td>
<td>Re: question about DATEH form... by Eda @ May 16th, 2020, 9:37 pm</td>
</tr>
<tr>
<td>Announce</td>
<td>25</td>
<td>47</td>
<td>Re: TAPAS by alicce @ January 27th, 2020, 12:26 pm</td>
</tr>
</tbody>
</table>

- **Users**: General questions and postings pertaining to the use of HYSPLIT regardless of the platform. For platform specific questions, use the HYSPLIT Platform forums.
- **Developers**: Questions and postings pertaining to the development of HYSPLIT, feature enhancements, and HYSPLIT internals. HYSPLIT source code and algorithms are discussed here.
- **Bugs**: Post any defects you find in the HYSPLIT software here. The HYSPLIT Developers carefully monitor this list and will work diligently to repair any reported problems. When posting a bug report, please specify both the HYSPLIT version and operating system you are using.
- **Announce**: Announcements pertaining to HYSPLIT, training materials, dispersion related jobs or research positions, or related software. This list is moderated and will not be used for any discussion.

#### HYSLIT Workshop

<table>
<thead>
<tr>
<th>FORUM</th>
<th>TOPICS</th>
<th>POSTS</th>
<th>LAST POST</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYSLIT Workshop</td>
<td>17</td>
<td>34</td>
<td>Re: Moderator test by alicce @ June 12th, 2020, 11:30 am</td>
</tr>
</tbody>
</table>

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*Image content: The HYSPLIT Forum page is shown, which includes discussions on users, developers, bugs, and announcements. The page is designed to facilitate communication between HYSPLIT users regarding questions, problems, and ideas for upgrades.*
## Asking Questions

### HYSPLIT Forum: hysplitbbs.arl.noaa.gov

A Forum for HYSPLIT Dispersion Model Users to Communicate Questions, Problems, and Ideas for Upgrades, etc.

**Quick links**

- **FAQ**

**Board Index** → HYSPLIT Workshop

### HYSPLIT Workshop

<table>
<thead>
<tr>
<th>FORUM</th>
<th>TOPICS</th>
<th>POSTS</th>
<th>LAST POST</th>
</tr>
</thead>
<tbody>
<tr>
<td>2022 HYSPLIT Workshop Questions</td>
<td>1</td>
<td>4</td>
<td>Re: GUI screen is black <a href="#">by sonny-zinn</a> @ June 8th, 2022, 6:44 am</td>
</tr>
<tr>
<td>2021 HYSPLIT Workshop Questions</td>
<td>59</td>
<td>234</td>
<td>Re: daily concentration contro... <a href="#">by davidglenn</a> @ August 11th, 2021, 11:25 am</td>
</tr>
<tr>
<td>2020 HYSPLIT Workshop Questions Questions from the 2020 Online HYSPLIT Workshop</td>
<td>88</td>
<td>349</td>
<td>Re: ImageMagick version - up ... <a href="#">by nobella</a> @ April 14th, 2021, 12:22 am</td>
</tr>
<tr>
<td>2019 HYSPLIT Workshop Questions</td>
<td>3</td>
<td>5</td>
<td>Re: Depositions calculated wi... <a href="#">by arielsein</a> @ June 17th, 2019, 3:58 pm</td>
</tr>
</tbody>
</table>
Asking Questions


You can post your question in the appropriate section, based on where in the Tutorial your question refers to.
Asking Questions

You can look to see if there already is a similar question, and if not, you can create a New Topic

1. Installing HYSPFIT

<table>
<thead>
<tr>
<th>Topic</th>
<th>Replies</th>
<th>Views</th>
<th>Last Post</th>
</tr>
</thead>
<tbody>
<tr>
<td>I cannot Run Hysplit after following the installation</td>
<td>1</td>
<td>3</td>
<td>by MarkCohen @ June 18th, 2020, 12:55 pm</td>
</tr>
<tr>
<td>Desktop Icon Run Hysplit not working ?</td>
<td>0</td>
<td>0</td>
<td>by Claudia_Rivera @ June 18th, 2020, 2:01 pm</td>
</tr>
<tr>
<td>Failure In unzipping the contents of ‘Tutorial.zip’</td>
<td>3</td>
<td>300</td>
<td>by sonny-zimm @ June 9th, 2020, 1:45 pm</td>
</tr>
<tr>
<td>tutorial/index.html not working</td>
<td>1</td>
<td>57</td>
<td>by sonny-zimm @ May 29th, 2020, 11:45 am</td>
</tr>
</tbody>
</table>

New Topic

Return to Board Index
Asking Questions

1. Installing HYSPLIT

Add your question text in this box.

Please avoid putting any links in your post.

Do not start any line with two dashes “--”

Once you submit your post, it can be approved and then answered by ARL staff.

You can add attachments, e.g., one or more screen shots, and/or a CONTROL file and/or a SETUP.CFG file.
Asking Questions

- You can ask more detailed questions, e.g., can attach screen shots
- We can provide more detailed answers
- There can be an exchange back and forth, if needed
- Can see other questions – in case you have a similar question
- We can give you a link to the answer to a similar question
- Accessible to people just viewing the recordings