



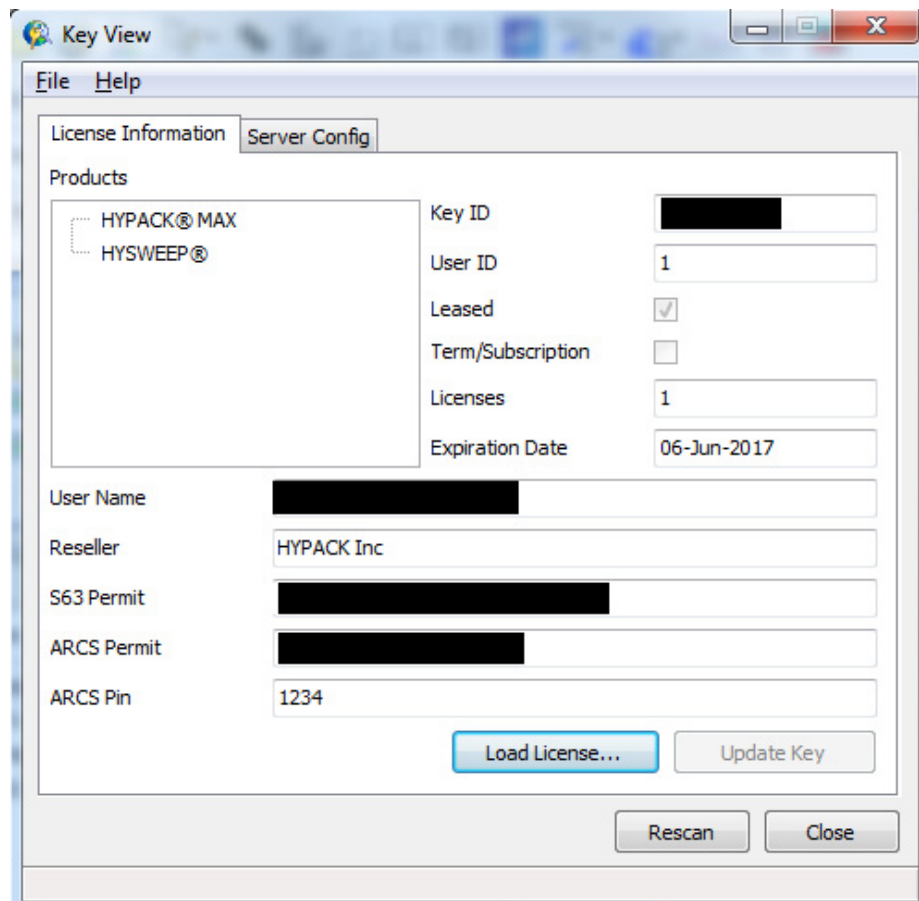
## Installing and Opening Admiralty Vector and Raster Charts (AVCS & ARCS) in HYPACK®

By Caryn Zacharias

There are two types of Admiralty Charts HYPACK® can open. Admiralty charts do require permit files. So, there is a bit more of a process to install these charts the first time. This article will explain the entire process and show where the files are being stored.

When contacting the chart distributor, the HYPACK® user must provide the Permit code that is listed in the License Manager for their HYPACK® Key. Open the License Manager and provide the S63 Permit for AVCS (Admiralty Vector Chart Service) or the ARCS Permit for ARCS (Admiralty Raster Chart Service).

**FIGURE 1.** HYPACK® License Manager



Once you have provided the permits to your distributor, you should receive the chart(s) along with permit files. If this is the first time you are loading these types of charts on your computer: You will notice when you open the HYPACK® root folder, an ARCS or S63 Folder does not exist yet. Once you have loaded these files correctly a folder will be written to your C:\HYPACK 20XX folder.

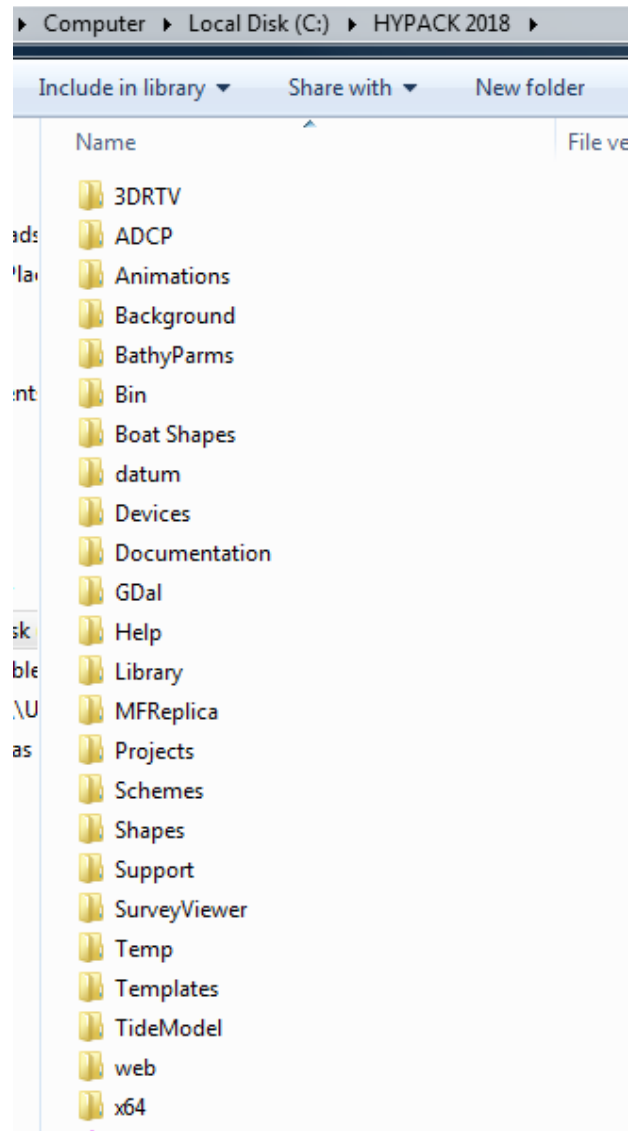
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**NOTE:** These folders will not be deleted if HYPACK® version is uninstalled. These folders can also be copied from HYPACK® version to HYPACK® version. There is no need to reload the permit or files unless new charts or permits need to be installed.

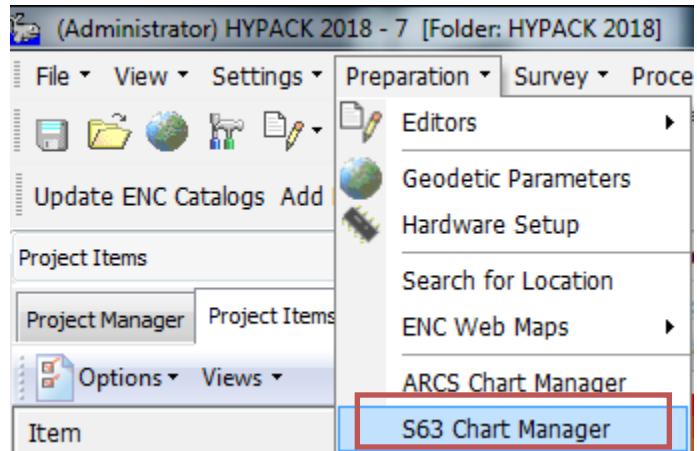
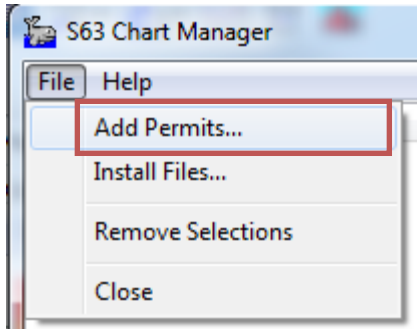
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*FIGURE 2. Before Loading Permits and Charts. No S63 or ARCS Folder in the C: HYPACK Folder.*



## LOADING S63 CHARTS (AVCS) USING THE S63 CHART MANAGER

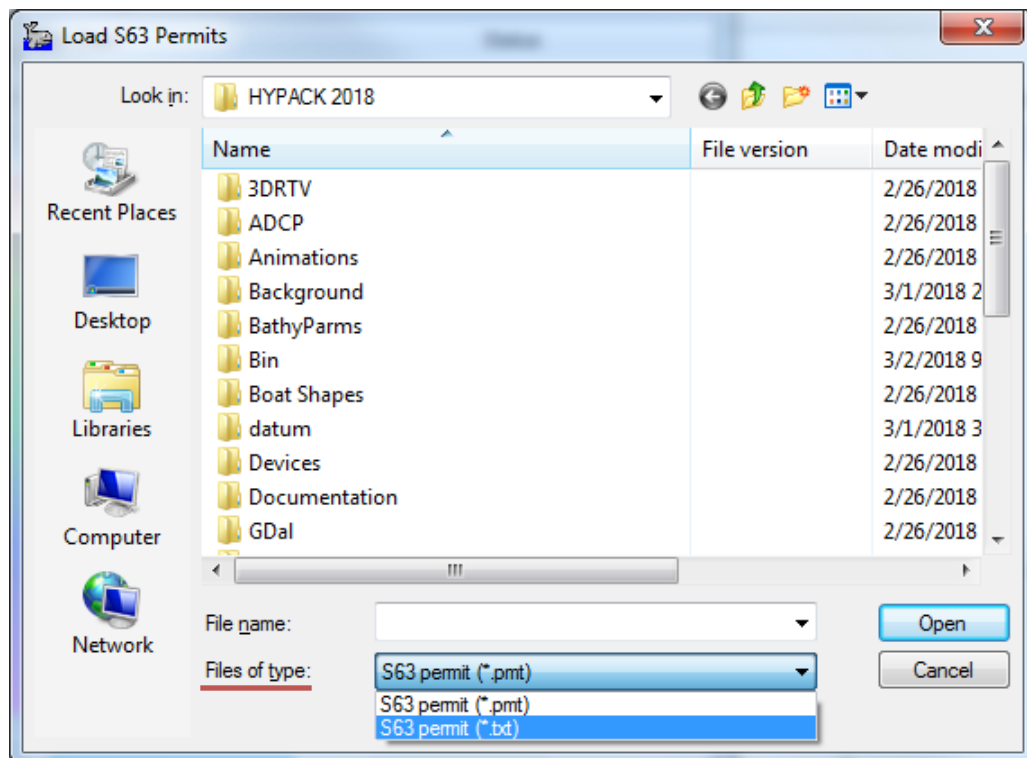
1. Select **PREPARATION – S63 CHART MANAGER**.
2. **Add Permit**. In the S63 Chart Manager Window, select **FILE – ADD PERMITS...**



3. **Browse to where you have the .PMT or PERMIT.txt file, select it and click [Open].**

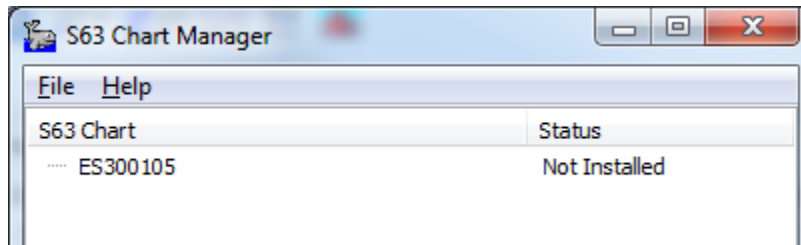
**NOTE:** You might need to change the file type. (See Figure 3)

**FIGURE 3.** Setting the Permit File Type



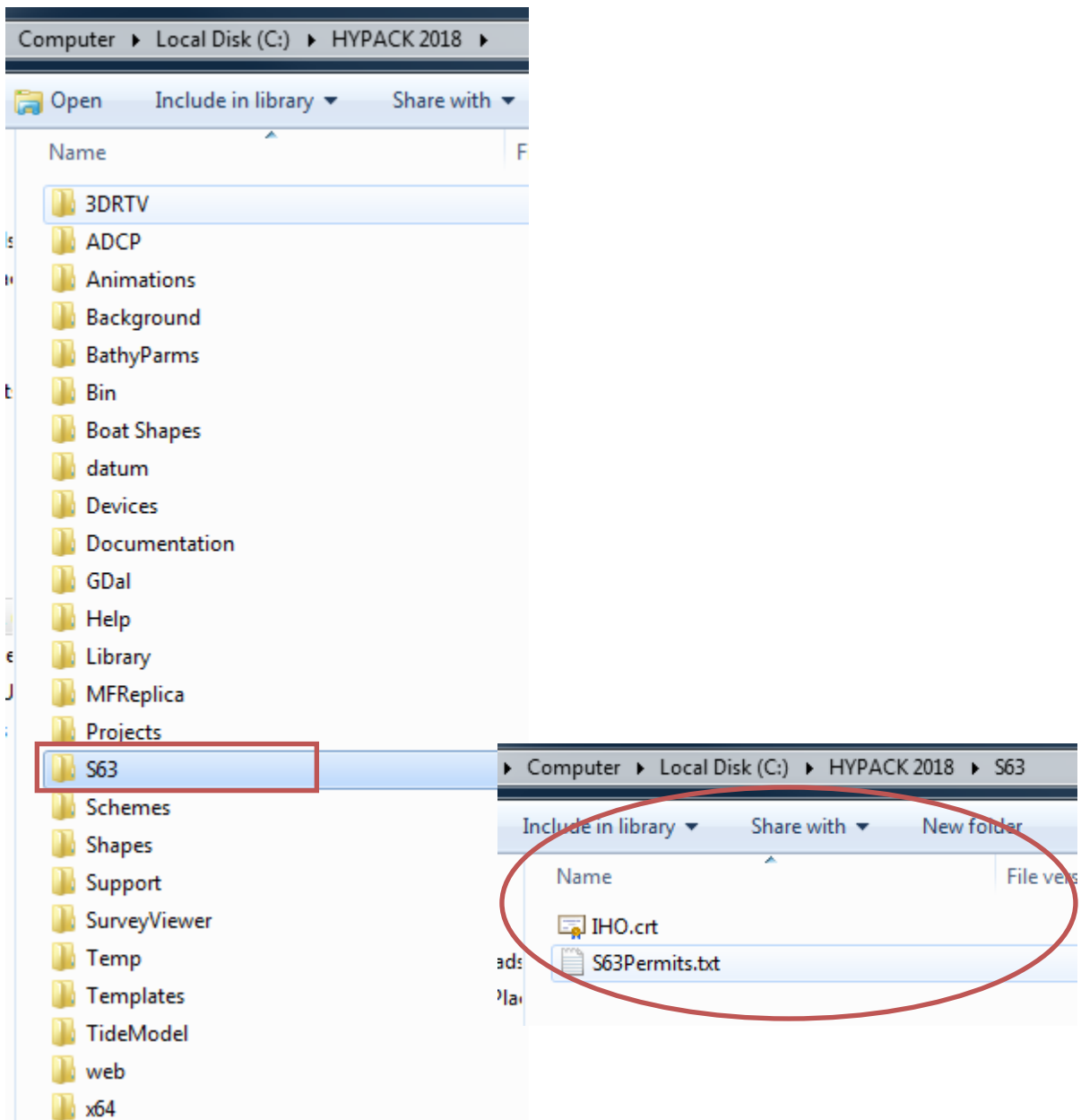
When the permit is loaded, the S63 Chart Manager lists all charts available for that permit. Status will say "Not Installed".

FIGURE 4. S63 Chart Manager Lists Available Charts



If you take a look at the HYPACK® root folder you will now see an S63 folder. If you open it, there will be two files in that folder.

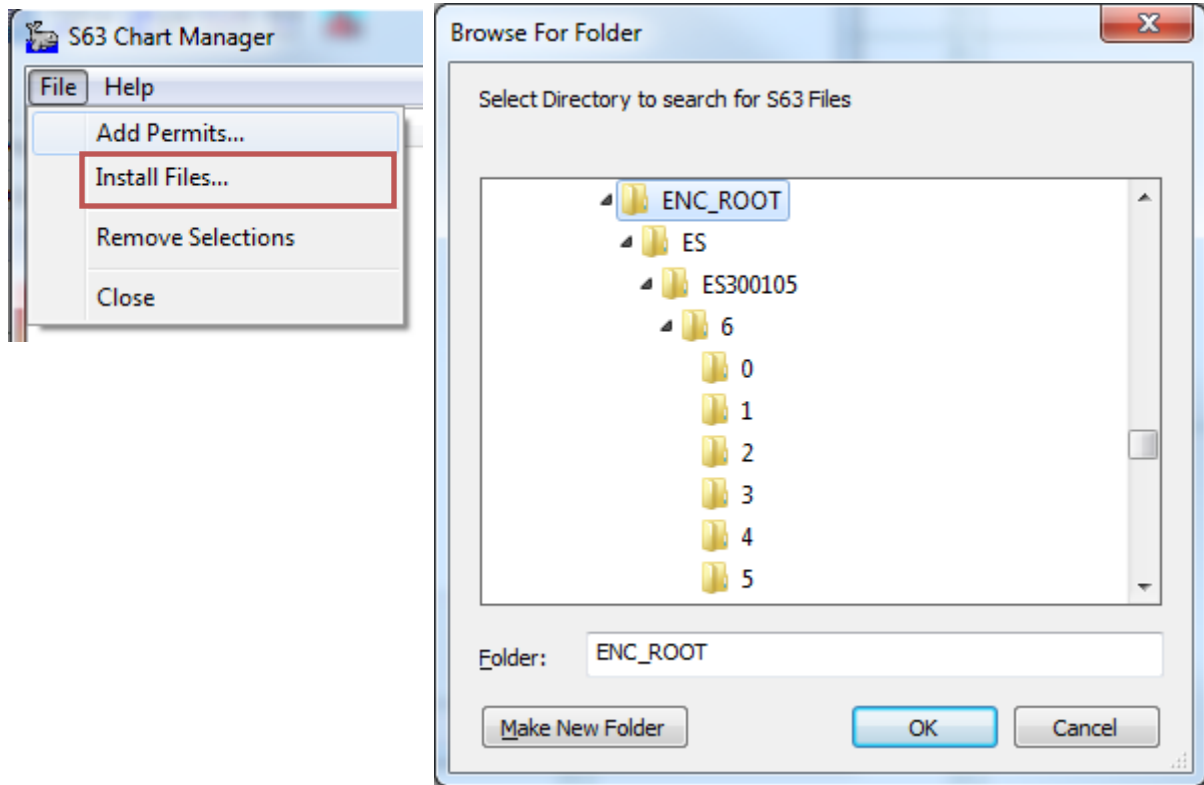
FIGURE 5. S63 Permits Loaded



4. Install the charts on your computer:

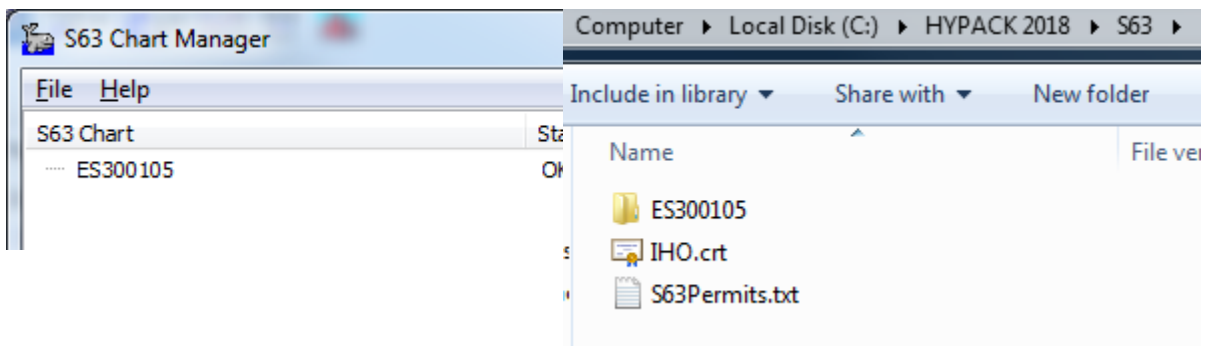
- a. Still in the S63 CHART MANAGER, select FILE – INSTALL FILES....
- b. Browse to the folder which contains the chart(s) and just select the folder where the charts reside. Do not select each individual chart. The program will read the entire folder and select the correct charts. (In Figure 6, I browsed to ENC\_ROOT. My chart along with its updates are within this folder).

FIGURE 6. Installing Charts to the Hard Drive



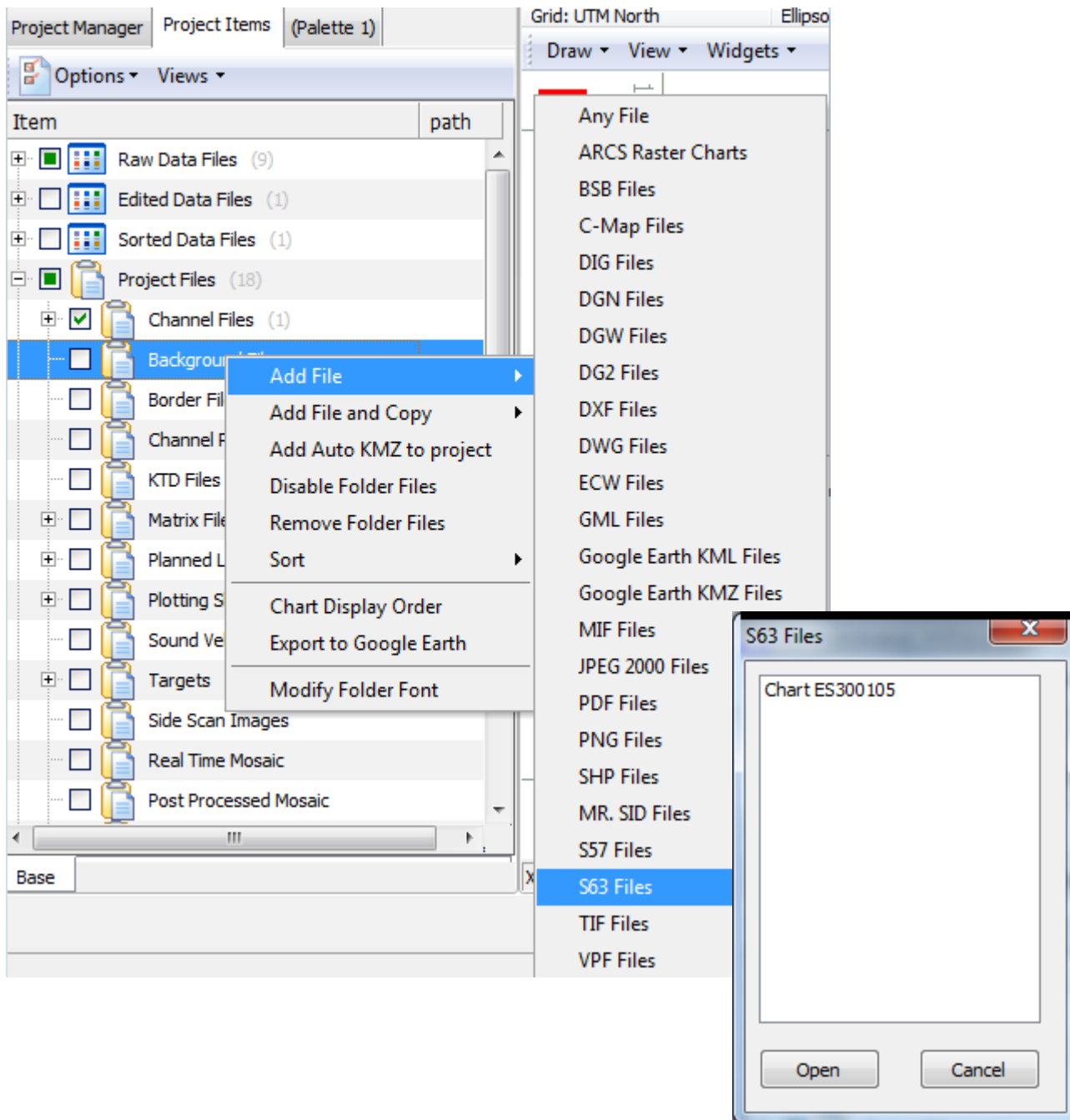
The S63 Chart Manager Status should now display “OK” (if OK is not displayed, see [“Troubleshooting Tips”](#). at the end of this article.) The S63 folder in the HYPACK® root directory now has a chart folder included with the IHO.crt and the permit file. (Again, if HYPACK® is uninstalled, this S63 folder will not be deleted and you can copy it to another version of HYPACK® if needed.)

FIGURE 7. Installed Charts Show OK Status

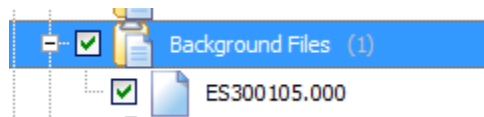


5. Load the charts in HYPACK® as background images:
  - a. In the HYPACK® Project Files list, right-click on Background Files, choose Add File and select S63Files. Only the charts installed will be shown to be selected.
  - b. Select one or more charts and click [Open].

*FIGURE 8. Loading the S63 Charts to the Project*



Now the chart is listed under the Background Files and can be turned on and off.



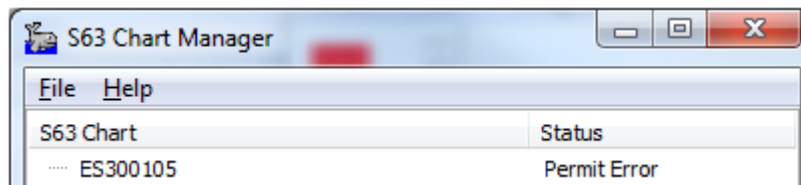
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## TROUBLESHOOTING TIPS

1. **Status shows “Permit Error”.**
  - a. **Check the HYPACK® Key.** The correct HYPACK® key must be plugged in as the permits are assigned to that key. Another key could have different Permit codes causing this error.
  - b. **Check Permit expiration date.** The permits can expire and cannot be opened if they have expired. Contact your chart distributor if this is the issue.

**FIGURE 9.** S63 Chart Manager Shows Permit Error Status



2. **Failed to open in Shell:** Everything loaded fine and then the next day you get a “Failed” when trying to display the chart.
  - a. **Check the key again.**
  - b. **Check the permit.**
  - c. **Make sure the files were not deleted.**
  - d. If loading **multiple permits** this could be the issue. You might have to delete the S63 folder under the HYPACK® root directory and reinstall permit and charts.
  - e. If you are getting errors, turn on the Messages window and send HYPACK Tech Support the Messages Description (Figure 10).

**FIGURE 10.** Error Messages

If you have any issues opening S63 or ARCS charts please do not hesitate to contact us [HELP@HYPACK.COM](mailto:HELP@HYPACK.COM).

