



# NOAA 2013 Update

## Contents

1. Introduction .....	2
2. Data Description.....	2
2.1. Vector Charts .....	2
2.2. Raster Charts .....	4
3. Installation on NavNet3D .....	5
3.1. Deleting the old data .....	5
3.2. Installing the New Data .....	6
4. Installation on NavNet TZtouch.....	7
4.1. Deleting the old data .....	7
4.2. Installing the new data .....	8
5. Appendix: Vector Charts Added.....	8

# 1. Introduction

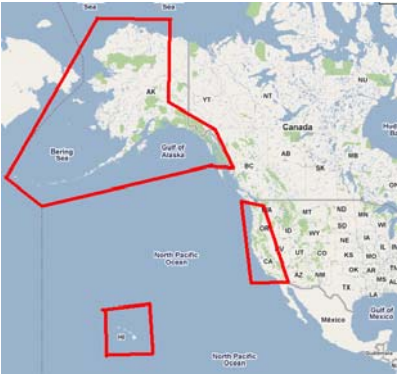

Furuno is pleased to announce the release of a new update for the free NOAA USA data. This update provides the following improvements and additions:

- **Updated NOAA Vector Charts (S57):** This edition adds 71 new Vector Charts to the library as well as many other chart updates. Please refer to the end of this document for the complete list of charts that were added.
- **Updated NOAA Raster Charts:** This edition includes the latest chart updates that can be found on the NOAA paper charts.
- **NEW “USACE” River Charts:** The edition introduces brand new vector charts for the main US Rivers. The vector chart data is based on the US Army Corp of Engineers. Please refer to the end of this document for the complete list of rivers that are included.

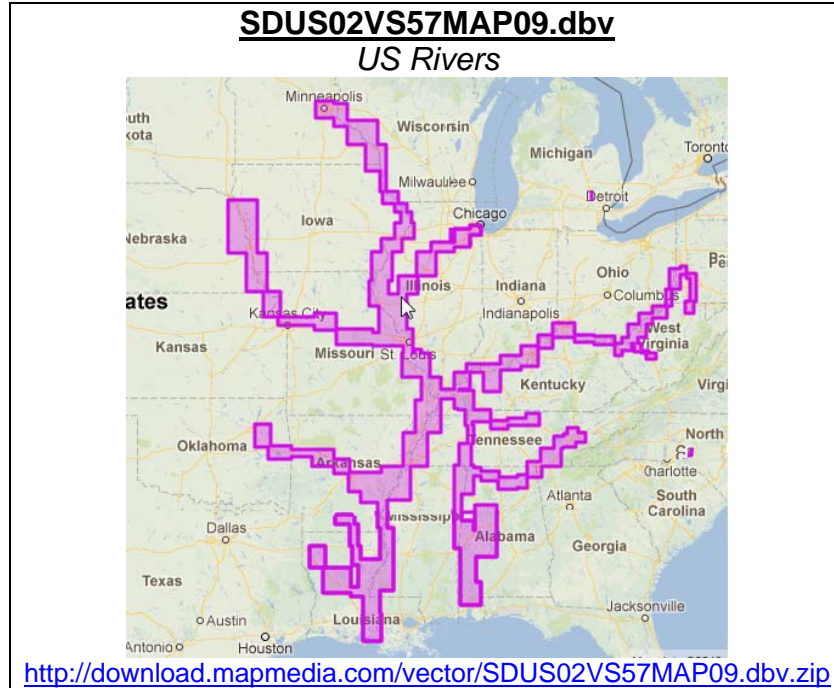
## 2. Data Description

### 2.1. Vector Charts

The Coastal Vector Charts for the USA are included in two separate files with the same boundaries as the previous version. The names of the files are the same, with the exception of the last two digits, which have been changed (from “06” to “09”):

<p><b><u>SDUS01VS57MAP09</u></b> <i>West Coast and Hawaii</i></p>  <p><a href="http://download.mapmedia.com/vector/SDUS01VS57MAP09.dbv.zip">http://download.mapmedia.com/vector/SDUS01VS57MAP09.dbv.zip</a></p>	<p><b><u>SDUS00VS57MAP09</u></b> <i>East Coast and Gulf of Mexico</i></p>  <p><a href="http://download.mapmedia.com/vector/SDUS00VS57MAP09.dbv.zip">http://download.mapmedia.com/vector/SDUS00VS57MAP09.dbv.zip</a></p>
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The new River Vector Charts are included in one new file:



The following rivers are covered:

- Allegheny River, Mile 0-15
- Arkansas River, Mile 0-444
- Atchafalaya River, Mile 0-118
- Black Warrior-Tombigbee Rivers, Mile 0-393
- Cumberland River, Mile 0-381
- Green River, Mile 1 -108
- Illinois River, Mile 0-322
- Kaskaskia, Mile 2 to 36
- Kanawha River, Mile 0-91
- Lower Mississippi River, Mile 236-951
- Missouri River, Mile 0-735
- Monongahela River, Mile 0-128
- Ohio River, Mile 0-981
- Ouachita River, Mile 5 to 338
- Red River, Mile 0-237
- Tennessee River, Mile 0-652 (Including Tellico, Hiwassee, Clinch and Emory Rivers)
- Tennessee-Tombigbee Waterway, Mile 218-450
- Upper Mississippi River, Mile 0-866

Please refer to the Appendix at the end of this document for a complete list of the River Vector Charts included in this update.

## 2.2. Raster Charts

The Raster Charts for the USA are included in 9 files with the same boundaries as the previous version. The names of the files are the same, with the exception of the last two digits that have been incremented (from “05” to “06”):

**SDU01RMAP06**



<http://download.mapmedia.com/raster/SDUS01RMAP06.dbr.zip>

**SDUS02RMAP06**



<http://download.mapmedia.com/raster/SDUS02RMAP06.dbr.zip>

**SDUS03RMAP06**



<http://download.mapmedia.com/raster/SDUS03RMAP06.dbr.zip>

**SDUS04RMAP06**



<http://download.mapmedia.com/raster/SDUS04RMAP06.dbr.zip>

**SDUS05RMAP07**






<http://download.mapmedia.com/raster/SDUS05RMAP07.dbr.zip>

**SDUS06RMAP06**



<http://download.mapmedia.com/raster/SDUS06RMAP06.dbr.zip>

<p style="text-align: center;"><b><u>SDUS07RMAP06</u></b></p>  <p style="text-align: center;"><a href="http://download.mapmedia.com/raster/SDUS07RMAP06.dbr.zip">http://download.mapmedia.com/raster/SDUS07RMAP06.dbr.zip</a></p>	<p style="text-align: center;"><b><u>SDUS08RMAP06</u></b></p>  <p style="text-align: center;"><a href="http://download.mapmedia.com/raster/SDUS08RMAP06.dbr.zip">http://download.mapmedia.com/raster/SDUS08RMAP06.dbr.zip</a></p>
<p style="text-align: center;"><b><u>SDUS09RMAP06</u></b></p>  <p style="text-align: center;"><a href="http://download.mapmedia.com/raster/SDUS09RMAP06.dbr.zip">http://download.mapmedia.com/raster/SDUS09RMAP06.dbr.zip</a></p>	

### **3. Installation on NavNet 3D**

#### **3.1. Deleting the old data**

Before installing the new charts it is recommended that you manually delete the old chart data on every MFD. To determine which version of data is installed on an MFD, press the [MENU] key, select the “Chart” page and select the “Data Catalog”. To delete a file, right click on it and choose “Delete”:

- If the release version of the US NOAA Vector charts “SDUSxxV57MAP” ends with “01”, “02”, “03”, “04”, “05” or “06”, this unit should be updated with the new “09” Vector charts.
- If the release version of the US NOAA Raster charts “SDUSxxRMAP” ends with “01”, “02”, “03”, “04”, or “05”, this unit should be updated with the new “06” Raster charts.

Reference	Type	Status	Release Version
SDUS01RMAP01	Raster	Ok - Included	01
SDUS02RMAP01	Raster	Ok - Included	01
SDUS03RMAP01	Raster	Ok - Included	01
SDUS04RMAP01	Raster	Ok - Included	01
SDVW00RMAP01	Raster	Ok - Included	01
SDUS00VS57MAP01	Vector - S57	Ok - Included	01
SDV906P01MAP01	Vector - S57	Ok - Included	01
SDVW00VS57MAP01	Vector - S57	Ok - Included	01

## 3.2. Installing the New Data

If an MFD needs to be updated with the new charts, you can download them using the links provided above. You may also return your existing 1TB (not 500GB) External Chart Hard Drive to Furuno to be updated at no charge. If you have not ordered an External Chart Hard Drive, this would be an excellent and highly recommended time to do so. You can order one containing the latest Library, using part number MM3-WRL-DHD (\$200 list price).

Copy the data at the root of the SD-Card(s). If you downloaded the files from Internet, **make sure to unzip them before transferring them on the SD-Card.**

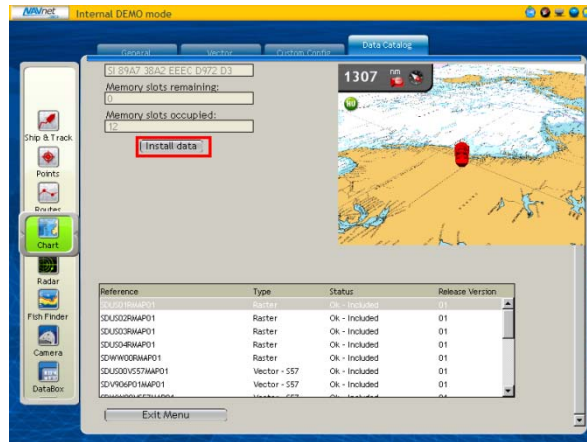
Note that if your MFD has Software v2.07, you can use a large SD-Card (16GB for example) and transfer multiple files at the same time.

*Note: On the MFDBB, it is highly recommended to load the new chart data via the USB port using an SD-Card to USB adapter or a large USB Flash Drive (16GB for example).*

Insert the SD-Card into the upper slot of the MFD to which the data is to be uploaded. On the MFDBB, it is recommended to load the charts from one of the USB 2.0 ports (making the transfer much faster).

***IMPORTANT:*** When loading multiple charts at the same time, make sure you don't overload the MFD memory. To know how much data you can load onto the MFD, look at the number of Memory Slots remaining (Menu -> Chart Catalog) and multiply this value by two. This will give the maximum number of Gigabits that you can load on the MFD (ex: if four memory slots are available, you can load up to 8GB of data onto the SD-Card or Flash Drive)

Press the [MENU] key, select the "Chart" page and then select "Data Catalog". Press the "Install Data" button.



Select "Yes" when the following prompt appears:



The transfer will begin and a window displaying a progress bar will appear:



When the progress bar is complete, it will disappear from the screen and the MFD will start. The new data is now loaded and ready for use.

## 4. Installation on NavNet TZtouch

On NavNet TZtouch, the charts are directly read from the SD-Card located under the cover over the left SD-Card Slot. To update the charts, remove the SD-Card and insert it into the SD-Card reader of your computer.

### 4.1. Deleting the old data

Browse on the SD-Card to the NOAA USA folder and delete the files in the Raster and Vector Folders.

## 4.2. Installing the new data

If an MFD needs to be updated with the new chart data, you can download them using the links provided above.

You may also return your existing External Chart Hard Drive to Furuno to be updated at no charge. If you have not ordered an External Chart Hard Drive, this would be an excellent and highly recommended time to do so. You can order one containing the latest Library, using part number MM3-WRL-DHD (\$200 list price).

Copy the data to the NOAA - Raster and Vector Folders of the SD-Card. If you have downloaded the files from Internet, **be sure to unzip them before transferring them onto the SD-Card.**

You also need to update the chart catalog to reflect these changes. You can download the latest catalog file at <http://www.maxsea.fr/data/catalogue.zic>. After you download the file, copy it to the root directory of the chart SD-Card.

If you have multiple TZT MFDs, repeat this process with all the SD-Cards. Note that once you have updated one SD-Card, you may use the “Clone” function of the MFD to duplicate SD-Cards.

## 5. Appendix: Vector Charts Added

### Chart Naming Convention:

The 1st and 2nd characters represent the country code (US).

The 3rd character represents the navigation purpose. The U.S. has five classifications:

- # 1 is for overview charts with scales ranging from 1:1,500,001 or smaller
- # 2 is for general charts with scales ranging from 1:600,001 - 1:1,500,000
- # 3 is for coastal charts with scales ranging from 1:150,001 - 1:600,000
- # 4 is for approach charts with scales ranging from 1:50,001 - 1:150,000
- # 5 is for harbor charts with scales ranging from 1:50,000 or larger

The 4th and 5th characters represent the state.



List of new coastal vector charts:

US4FL43M	US1EEZ3M	US5AK9JM	US5CA76M
US4NY1BM	US3AK89M	US5AK9KM	US5CA80M
US5AN01M	US5AK14M	US5AK9LM	US5CA82M
US5FL16M	US5AK3MM	US5AK9MM	US5CA83M
US5FL17M	US5AK4TM	US5AK9NM	US5HA13M
US5FL27M	US5AK82M	US5AK9OM	US5HA15M
US5FL43M	US5AK93M	US5AK9PM	US5HA18M
US5FL53M	US5AK94M	US5AK9QM	US5HA21M
US5FL54M	US5AK96M	US5AK9RM	US5HA56M
US5FL56M	US5AK97M	US5AK9SM	US5OR41M
US5FL84M	US5AK9AM	US5AK9TM	US5OR45M
US5GA15M	US5AK9BM	US5AK9UM	US5OR46M
US5OH12M	US5AK9CM	US5AK9VM	US5SP31M
US5PR11M	US5AK9DM	US5AK9WM	US5WA70M
US5PR33M	US5AK9EM	US5AK9XM	
US5SC24M	US5AK9FM	US5AK9YM	
US5TX25M	US5AK9GM	US5AK9ZM	
US5VA09M	US5AK9HM	US5AKJ3M	
US6ME56M	US5AK9IM	US5CA11M	

List of new river charts:

U37IL082	U37MN086	U37OH439	U37TN085	U37UM359
U37IL137	U37MO000	U37OH534	U37TN133	U37UM432
U37IL199	U37MO101	U37OH582	U37TN218	U37UM481
U37IL257	U37MO201	U37OH644	U37TN262	U37UM526
U37IL302	U37MO301	U37OH736	U37TN306	U37UM553
U37KA001	U37MO399	U37OH852	U37TN361	U37UM578
U37KA024	U37MO499	U37OH912	U37TN391	U37UM615
U37KA050	U37MO600	U37OU005	U37TN450	U37UM660
U37KA065	U37OH001	U37OU089	U37TN518	U37UM723
U37KK002	U37OH012	U37OU178	U37TN564	U37UM785
U37LM236	U37OH032	U37OU256	U37TN606	U37UM819
U37LM325	U37OH087	U37RR007	U37TT218	
U37LM425	U37OH128	U37RR071	U37TT320	
U37LM520	U37OH166	U37RR165	U37TT385	
U37LM601	U37OH204	U37TB001	U37UM000	
U37LM716	U37OH275	U37TB088	U37UM079	
U37LM829	U37OH312	U37TB176	U37UM155	
U37MN001	U37OH332	U37TN005	U37UM218	
U37MN042	U37OH391	U37TN047	U37UM301	