

DM_{v2}

Main Page

Dashboard - Open Vessel Data ... +

138.197.8.27/OpenVDMv2/

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Open Vessel Data Management v2.2

Home Data Dashboard Configuration Links

On System Status CS1601 Cruise ID 143.20 MB Cruise Size 10.57 GB Free Space

Incorrect Filenames Detected

XBT

- Vessel/RAW/XBT/CS1401_XBT05_130612.EDF
- Vessel/RAW/XBT/CS1401_XBT05_130612.RDF

XBT3

- Vessel/RAW/XBT_sshAuthentication/CS1401_XBT05_130612.EDF
- Vessel/RAW/XBT_sshAuthentication/CS1401_XBT05_130612.RDF

XBT2

- Vessel/RAW/XBT_anonymousRsync/CS1401_XBT05_130612.EDF
- Vessel/RAW/XBT_anonymousRsync/CS1401_XBT05_130612.RDF

Collection System Transfer Status

EM302 Multibeam Mapping System (authenticated SMB)	Idle
SCS Underway Data Logger (guest SMB)	Idle
Sippican MK21 XBT (authenticated rsync)	Idle
Sippican MK21 XBT (anonymous rsync)	Idle
Sippican MK21 XBT (ssh server)	Idle

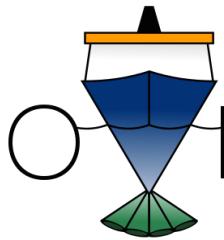
Recent Shipboard Data Transfers

XBT3 - 2016-10-30 13:47:18 UTC

- Vessel/RAW/XBT_anonymousRsync/CS1401_XBT001_130611.EDF
- Vessel/RAW/XBT_anonymousRsync/CS1401_XBT001_130611.RDF
- Vessel/RAW/XBT_anonymousRsync/CS1401_XBT002_130612.EDF
- Vessel/RAW/XBT_anonymousRsync/CS1401_XBT002_130612.RDF
- Vessel/RAW/XBT_anonymousRsync/CS1401_XBT003_130612.EDF
- Vessel/RAW/XBT_anonymousRsync/CS1401_XBT003_130612.RDF
- Vessel/RAW/XBT_anonymousRsync/CS1401_XBT004_130612.EDF
- Vessel/RAW/XBT_anonymousRsync/CS1401_XBT004_130612.RDF
- Vessel/RAW/XBT_anonymousRsync/CS1401_XBT006_130612.EDF
- Vessel/RAW/XBT_anonymousRsync/CS1401_XBT006_130612.RDF
- Vessel/RAW/XBT_anonymousRsync/CS1401_XBT007_130612.EDF
- Vessel/RAW/XBT_anonymousRsync/CS1401_XBT007_130612.RDF
- Vessel/RAW/XBT_anonymousRsync/CS1401_XBT008_130612.EDF
- Vessel/RAW/XBT_anonymousRsync/CS1401_XBT008_130612.RDF
- Vessel/RAW/XBT_anonymousRsync/CS1401_XBT009_130612.EDF
- Vessel/RAW/XBT_anonymousRsync/CS1401_XBT009_130612.RDF
- Vessel/RAW/XBT_anonymousRsync/test/CS1401_XBT001_130611.EDF
- Vessel/RAW/XBT_anonymousRsync/test/CS1401_XBT002_130612.EDF

Cruise Data Transfer Status

Shoreside Data Warehouse	Idle
Shipboard NAS (SMB Share)	Idle
USB HDD for P.I. (Local Directory)	Idle



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Main Configuration

Configuration - Open Vessel Data Management v2.2

138.197.8.27/OpenVDMv2/config

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Open Vessel Data Management v2.2

Home Data Dashboard Configuration Main Collection System Transfers Extra Directories Cruise Data Transfers Ship-to-Shore Transfers System Links

On System Status CS1601 Cruise ID 143.20 MB Cruise Size 10.57 GB Free Space

Main Collection System Transfers Extra Directories Cruise Data Transfers Ship-to-Shore Transfers System

Cruise Control

Setup New Cruise

Run End-of-Cruise Tasks

Edit Current CruiseID/Start Date

Maintenance Tasks

Rebuild MD5 Summary Run

Rebuild Data Dashboard Run

Rebuild Cruise Directory Run

Re-export the OpenVDM Configuration Run

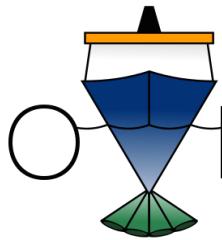
Copy PublicData to Cruise Data Run

Collection System Transfer Status

- EM302 Multibeam Mapping System (authenticated SMB) Idle
- SCS Underway Data Logger (guest SMB) Idle
- Sippican MK21 XBT (authenticated rsync) Idle
- Sippican MK21 XBT (anonymous rsync) Idle
- Sippican MK21 XBT (ssh server) Idle

Cruise Data Transfer Status

- Shoreside Data Warehouse Idle
- Shipboard NAS (SMB Share) Idle
- USB HDD for P.I. (Local Directory) Idle

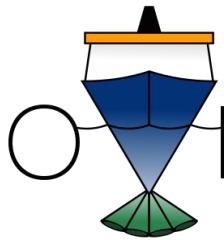


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Data Dashboard

The screenshot shows the Open Vessel Data Management v2.2 dashboard interface. At the top, there are four main status boxes: 'On' (System Status), 'CS1601' (Cruise ID), '143.20 MB' (Cruise Size), and '10.57 GB' (Free Space). The left sidebar includes links for Home, Data Dashboard, Main, Position, Weather, Sound Velocity, Data Quality, Configuration, and Links. The main content area features several data visualizations:

- geotiff**: A map showing vessel tracks and environmental data overlays.
- gga-posmv**: A map showing the vessel's current position and movement path.
- met**: Time-series plots for Barometer, Temperature, Humidity, Vector Wind Speed, Vector Wind Direction, and Scalar Wind Speed from April 29, 04:00 to 12:00. The plot includes a legend and a Highcharts.com attribution.
- svp**: Time-series plot for Sound Speed (Sound Spd) from April 29, 04:00 to 12:00. The plot includes a legend and a Highcharts.com attribution.
- tsg**: Time-series plot for Internal Temperature, Salinity, External Temperature, Conductivity, and Sound Velocity from April 29, 04:00 to 12:00. The plot includes a legend and a Highcharts.com attribution.
- twind**: Time-series plot for Wind Speed and Wind Direction (Wind Dir, relative to bow) from April 29, 04:00 to 12:00. The plot includes a legend and a Highcharts.com attribution.



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GIS Datasets

Position - Open Vessel Data Ma... +

138.197.8.27/OpenDMv2/dataDashboard/customTab/position

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Open Vessel Data Management v2.2

Home Data Dashboard Main Position Weather Sound Velocity Data Quality Configuration Links

On System Status CS1601 Cruise ID 143.21 MB Cruise Size 10.57 GB Free Space

Main Position Weather Sound Velocity Data Quality

Position

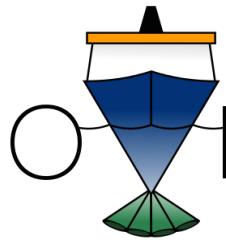
Houston New Orleans De Soto Valley Mississip Valley West Fl... G u l f o f M e x i c o Leaflet | esri

gga-posmv

Latest Position POSMV-GGA_20120429-000000.Raw POSMV-GGA_20120428-000000.Raw

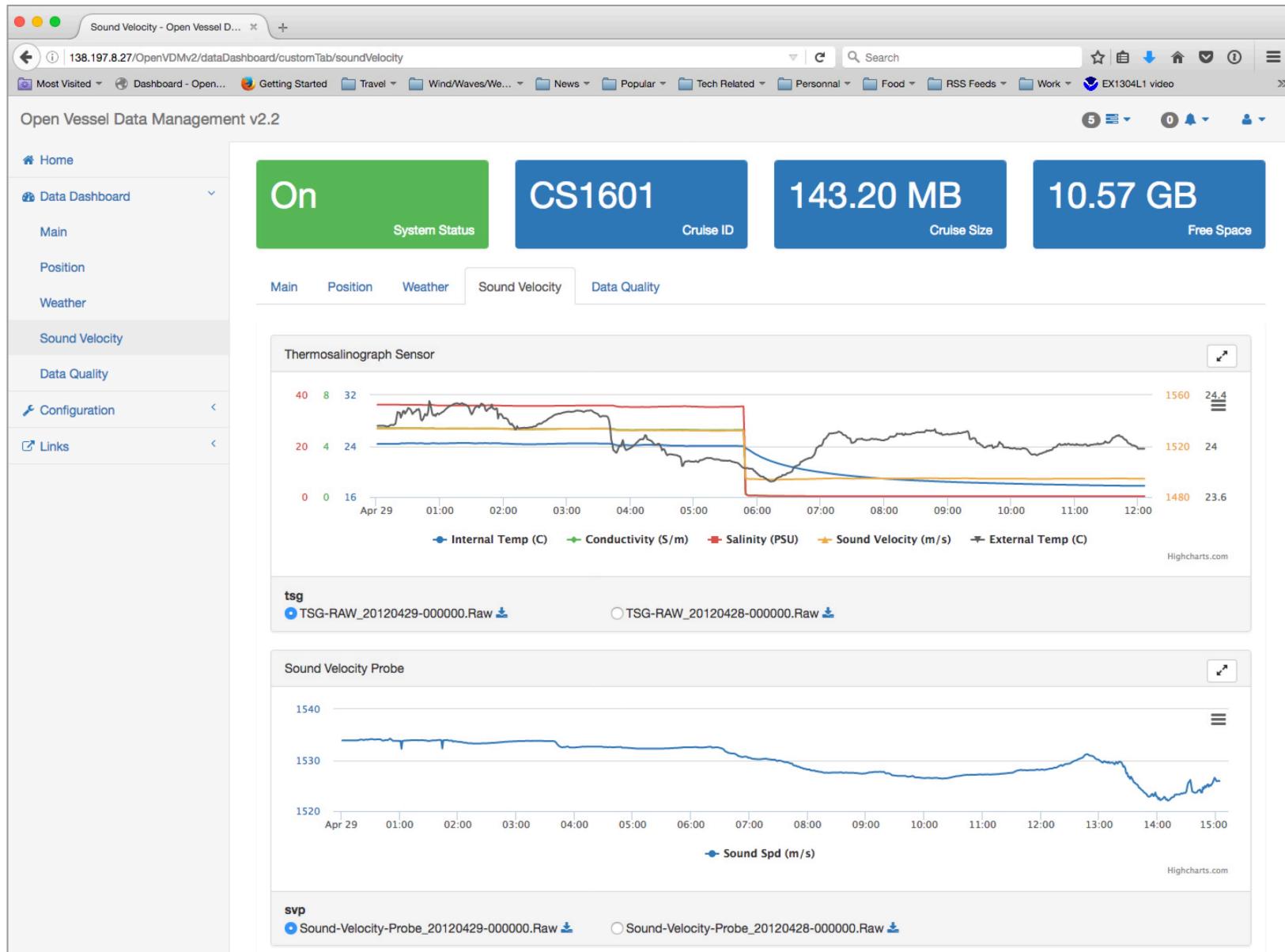
geotiff CS1401_MB_DLY01_50m_WGS84_20120428.tif

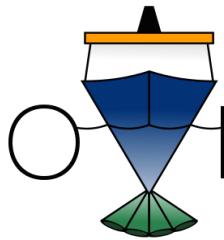
Select All Clear All Select All Clear All



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Time Series





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QA Dashboard

Screenshot of the QA Dashboard interface:

The dashboard shows the following key information:

- System Status:** On
- Cruise ID:** CS1601
- Cruise Size:** 143.20 MB
- Free Space:** 10.57 GB

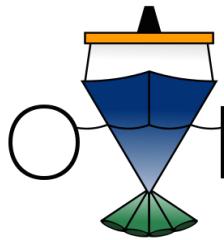
The main navigation menu includes:

- Home
- Data Dashboard
- Configuration
- Links

The Data Quality tab is selected.

The dashboard displays three sections of data quality analysis:

- geotiff:** Shows a single file entry: CS1601/Vessel/PROC/EM302/CS1401_MB_DLY01_50m_WGS84_20120428.tif. A download icon is present.
- gga-posmv:** Shows two files: CS1601/Vessel/RAW/SCS/NAV/POSMV-GGA_20120428-000000.Raw and CS1601/Vessel/RAW/SCS/NAV/POSMV-GGA_20120429-000000.Raw. Both have green checkmarks in the Rows and DeltaT columns, and a yellow warning icon in the Velocity column. Download icons are present.
- met:** Shows two files: CS1601/Vessel/RAW/SCS/METOC/MET-M01_20120428-000000.Raw and CS1601/Vessel/RAW/SCS/METOC/MET-M01_20120429-000000.Raw. The first has a yellow warning icon in the DeltaT column and a green checkmark in the Vector Wind Dir column. The second has a yellow warning icon in the DeltaT column and a green checkmark in the Vector Wind Dir column. Download icons are present.



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Per-file Statistics

Screenshot of the Open Vessel Data Management v2.2 interface showing per-file statistics for a file named POSMV-GGA_20120428-000000.Raw.

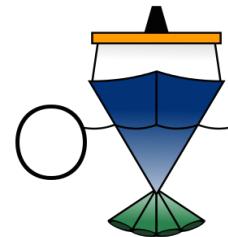
The main dashboard shows a summary of the file's size: 10.57 GB (Free Space).

The detailed statistics for the file are as follows:

Category	Value
Row Validity	Valid rows: 100%
Geographic Bounds	North: 27.633 ddeg, East: -93.982 ddeg South: 26.584 ddeg, West: -93.455 ddeg
Velocity Bounds	Min: 0 kts, Max: 14.4 kts
Velocity Validity	Valid data values: 99.9983%
Distance Traveled	202.85 nm
Temporal Bounds	Start: Sat, 28 Apr 2012 00:00:00 +0000 End: Sat, 28 Apr 2012 23:59:59 +0000
Delta-T Bounds	Min: 0.27 seconds, Max: 0.72 seconds
DeltaT Validity	Valid data values: 100%
Number of Satellites	Min: 5 sats, Max: 11 sats
Horizontal Degree of Precision	Min: 0.7 , Max: 2.2
Altitude	Min: -6.42 m, Max: 2.48 m
Height WGS84	Min: 0 m, Max: 0 m

A "Close" button is located at the bottom right of the stats dialog.

The dashboard also includes sections for geotiff and met files, each with their own list of filenames and associated status indicators.



DMv2 Collection System Transfers

Screenshot of the Open Vessel Data Management v2.2 web interface showing the 'Collection System Transfers' configuration page.

The top navigation bar shows the URL: 138.197.8.27/OpenVDMv2/config/collectionSystemTransfers/edit/1. The left sidebar includes links for Home, Data Dashboard, Configuration, and Links.

The main dashboard displays the following information:

- System Status: On
- Cruise ID: CS1601
- Cruise Size: 143.20 MB
- Free Space: 10.57 GB

The navigation tabs at the top of the configuration form are Main, Collection System Transfers (selected), Extra Directories, Cruise Data Transfers, Ship-to-Shore Transfers, and System.

The 'Edit Collection System Transfer' form contains the following fields:

- Name: SCS
- Long Name: SCS Underway Data Logger (guest SMB)
- Destination Directory: Vessel/RAW/SCS
- Include Filter: *
- Exclude Filter: (empty)
- Ignore Filter: (empty)
- Skip files being actively written to? (radio buttons): No Yes
- Skip files last modified before cruise start date?

Page Guide

This form is for editing an existing Collection System Transfer within OpenVDM. A Collection System Transfer is an OpenVDM-managed file transfer from a data acquisition system to the Shipboard Data Warehouse.

The **Name** field is a short name for the Collection System Transfer (i.e. WH300). These names should NOT have spaces in them.

The **Long Name** field is a longer name for the Collection System Transfer (i.e. RDI Workhorse 300kHz ADCP). These names can have spaces in them.

The **Destination Directory** is where the data will be stored within the cruise data directory. This can be a parent directory (i.e. WH300) or a sub-directory (i.e. ADCP/WH300). If a sub-directory is desired use the UNIX-style directory notation '/'.

The **Include Filter**, **Exclude Filter** and **Ignore Filter** are used to specify which files to/not to transfer. These filters use the standard regex structure language (i.e. *.Raw). Use a single comma (,) to delimit between filters when multiple filters of a specific type are required (i.e. *.Raw *.txt). The **Include Filter** defines what files should be transferred. If nothing is placed here OpenVDM assumes all files in the **Source Directory** should be transferred. The **Exclude Filter** is used to specify files that match the patterns defined in the **Include Filter** but that should NOT be transferred. The **Ignore Filter** defines files in the **Source Directory** that should NOT be transferred and should be ignored entirely by OpenVDM.

The **Skip files being actively written to?** option instructs OpenVDM on whether to copy all files in the source directory or to skip any files OpenVDM determines may be actively written to by the data acquisition system (DAS) on the collection system workstation. This option should be selected for DAS software that does not close the active data file between writes (a.k.a. SBE Seasave).

The **Skip files last modified before cruise start date?** option instructs OpenVDM to NOT copy any files in the source directory with a modification date that precedes the cruise start date.

The **Transfer Type** defines how OpenVDM will transfer the data from the Collection System to the Data Warehouse. **Local Directory** is a transfer of data that is located on