

Data Collector 3

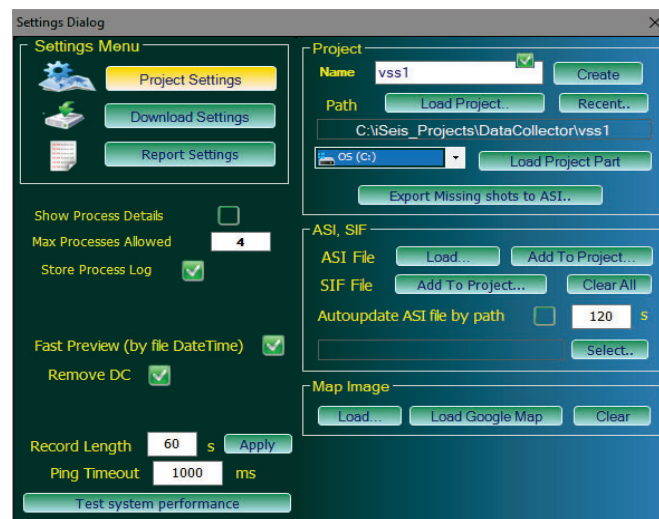
The Data Collector program is a part of the [INOVA VIB PRO HD](#) installation package.

A computer running the Data Collector program can be directly connected to the Ethernet Port of VPHD controller or remotely via Wi-Fi interface. The Data Collector allows the user to download/convert the VSS data files previously acquired and stored in the VPHD Vibrator Controllers in **SEG-Y (Rev.0) Tape Format** from multiple units.

Also the Data Collector program has ability to download/convert the row VSS data files (*.DAT) saved on the USB flash drives from the individual VPHD Controllers. Refer to [“Save Data to USB Flash Drive” on page 89](#).

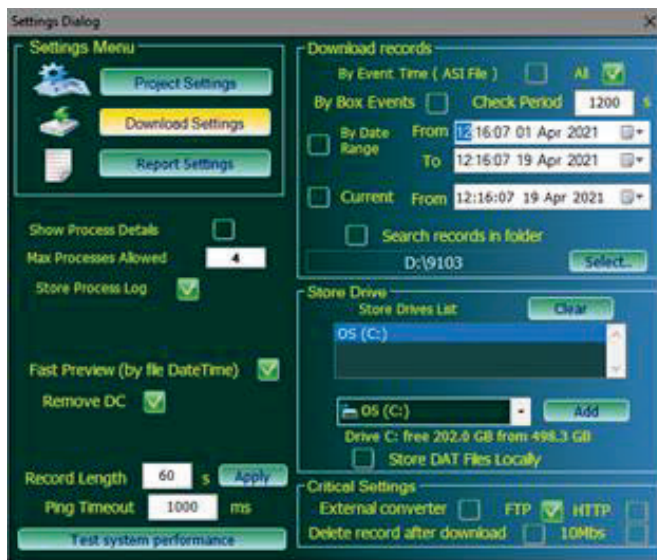
Download VSS Data

1. Establish TCP/IP communication between the computer and VPHD Controllers (direct or Wi-Fi) or insert the USB flash drive with already collected VSS data. Refer to [“Ethernet Interface Setup \(LAN\)” on page 78](#) or [“Wi-Fi Interface Setup” on page 79](#)
2. Start the Data Collector program.
3. Click  **Setup**. The following window displays.



4. In the **Project** section:
 - Enter the project name and click **Create**.
 - Choose the location of the project folder. Select the drive from the list and system automatically creates the output path **DRIVE#:\iSeis_Project\DataCollector\ProjectName** for the project related documents.

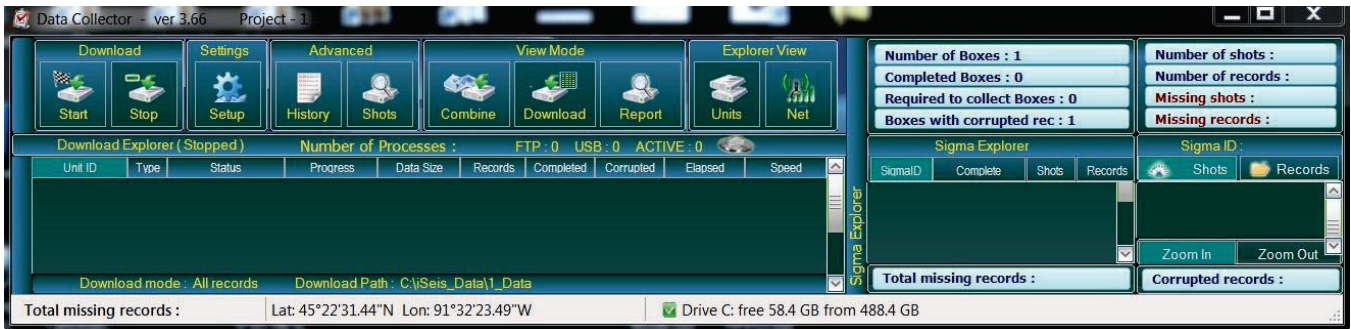
5. Click **Download Settings**. The window similar to the following displays.



6. In the **Download Records** section
- Set **Time and Date Range**, **All** or **Current**.
 - Select (browse) the destination folder in the **Store Drive** section and click **Add**. The system automatically creates the path **DRIVE#:\iSeis_Data\ProjectName_Data** for converted to SEG-Y (Rev.0) tape format files with file names convention shown below.

VibSN_YYMMDD_HHMMSS.sgy
9021 _180925 _145400 .sgy

7. Click  to save the configuration and exit to the main screen. The window similar to the following appears.

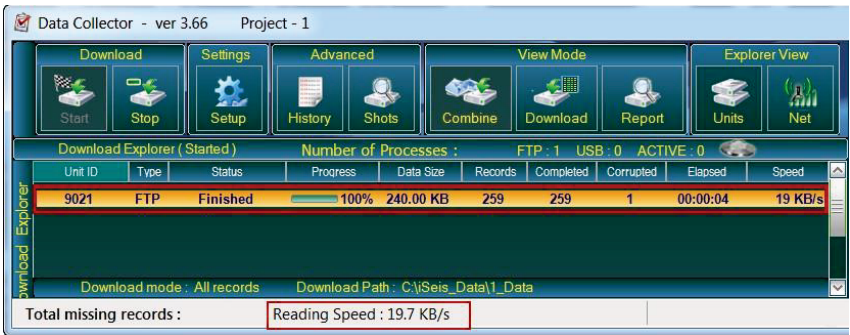


8. Click  **Download** to open the Download Explorer window.

9. Click  **Start** to begin to download/convert previously chosen range of acquired data (Download Records section).

The program allows to monitor and control the progress of data transferring in the progress bar, information windows and indicators available in sections:

- **Download Explorer**



- **Box Explorer.**



Click **BoxId** in NetExplorer sub-section then **Records** to see the files to be downloading.

10. Click  **Stop** to interrupt the process, if necessary.

11. Click  **Start** to resume.

12. Wait until all requested VSS data files are transferred to the computer.

13. At the end of the download process the Data Collector program prepares reports in *.csv format for every individual vibrator controller. For example **9021_report.csv**, where 9021 is the serial number of VPHD Vibrator Controller.

14. Open **Data** folder to see the saved VSS data files.

 9021_180925_145400.sgy	10/24/2018 11:12 ...	SGY File	161 KB
 9021_180925_165356.sgy	10/24/2018 11:12 ...	SGY File	83 KB
 9021_180925_165428.sgy	10/24/2018 11:12 ...	SGY File	83 KB
 9021_180925_170312.sgy	10/24/2018 11:12 ...	SGY File	83 KB
 9021_180925_170334.sgy	10/24/2018 11:12 ...	SGY File	83 KB
 9021_180925_170418.sgy	10/24/2018 11:12 ...	SGY File	83 KB
 9021_180925_170439.sgy	10/24/2018 11:12 ...	SGY File	83 KB

VSS-to-SEG Y (VSS2SEGY)

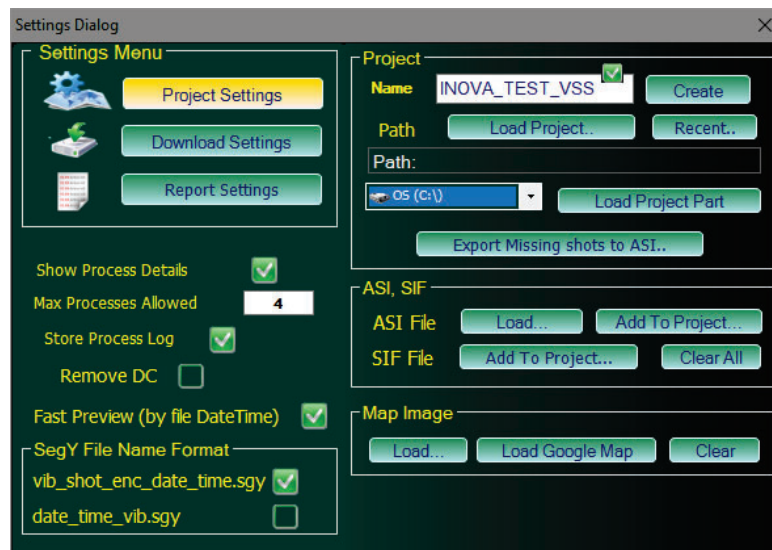
The VSS2SEGY program is a part of the [INOVA VIB PRO HD](#) installation package.

A computer running the VSS2SEGY program can be directly connected to the Ethernet Port of VPHD controller or remotely via Wi-Fi interface. The VSS2SEGY allows the user to download/convert the VSS data files previously acquired and stored in the VPHD Vibrator Controllers in **G3i HD SEG-Y (Rev.0) Internal Disk Format** from multiple units.

Also the VSS2SEGY program has ability to download/convert the row VSS data files (*.DAT) saved on the USB flash drives from the individual VPHD Controllers. Refer to [“Save Data to USB Flash Drive” on page 89](#).

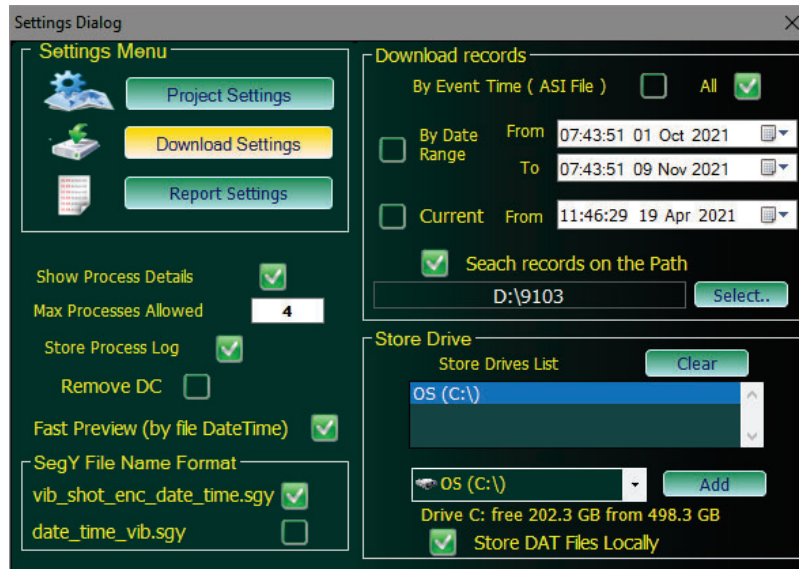
Download VSS Data

1. Establish TCP/IP communication between the computer and VPHD Controllers (direct or Wi-Fi) or insert the USB flash drive with already collected VSS data. Refer to [“Ethernet Interface Setup \(LAN\)” on page 78](#) or [“Wi-Fi Interface Setup” on page 79](#)
2. Start the VSS2SEGY program.
3. Click  **Setup**. The following window displays.



4. In the **Project** section:
 - Enter the project name and click **Create**.
 - Choose the location of the project folder. Select the drive from the list and system automatically creates the output path **DRIVE#:\INOVA\VSS\ProjectName** for the project related documents.

5. Click **Download Settings**. The window similar to the following displays.



6. In the **Download Records** section

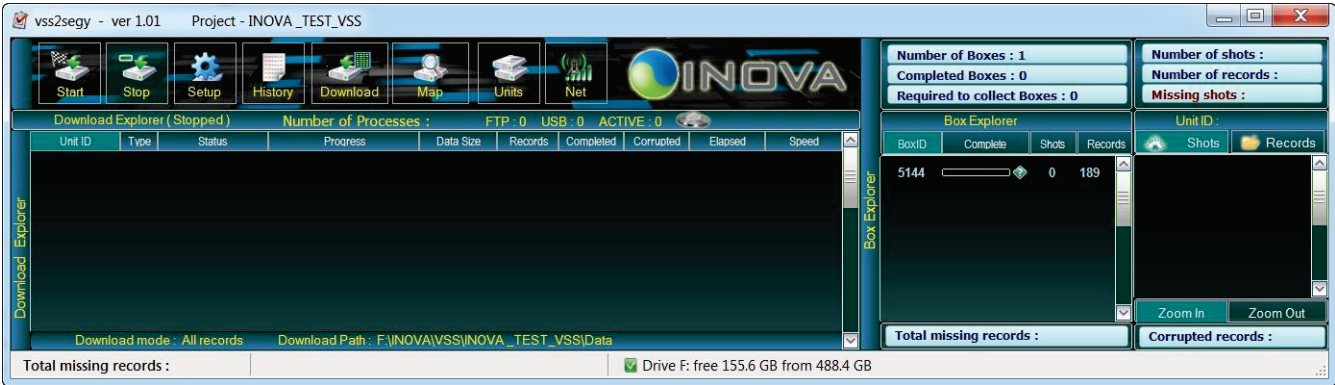
- Set **Time and Date Range**, **All** or **Current**.
- Select (browse) the destination folder in the **Store Drive** section and click **Add**. The system automatically creates the path **DRIVE#:\INOVA\VSS\ProjectName\Data** for converted to G3i HD SEG-Y (Rev.0) disk format files with file names convention shown below.

VibId_ ShotId _SweepId _YYMMDD_HHMMSS_ ssssss . sgy
 03 _0000000283_ 00344 _ 160518 _ 180525 _159998 . sgy

ShotId/SweepID and **Time** can be used to identify the file name recorded by G3i HD Central Recording System. See example below (iX1 ObNotes).

Shot#	SLine	Flag	File	Vibrators	ShotID	SweepID	Time
224	2	2101	235	(3M)	283	344	18:05:25.160000 May 18

7. Click  to save the configuration and exit to the main screen. The window similar to the following appears.

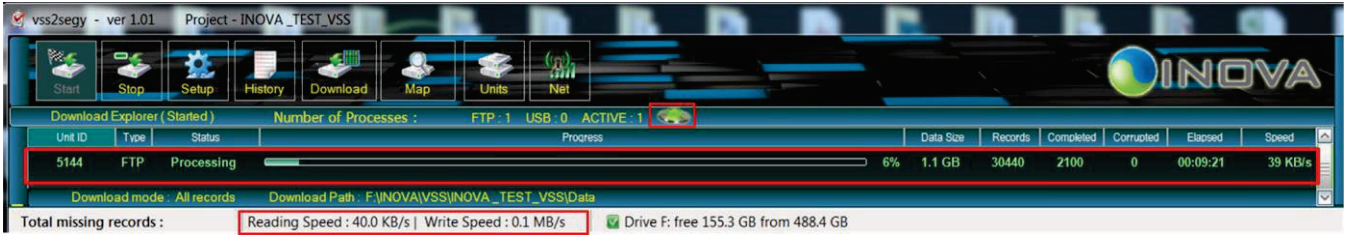


8. Click  **Download** to open the Download Explorer window.

9. Click  **Start** to begin to download/convert previously chosen range of acquired data (Download Records section).

The program allows to monitor and control the progress of data transferring in the progress bar, information windows and indicators available in sections:

- **Download Explorer**



- **Box Explorer.**



- Rows in **green** means files are being downloaded.
- Rows in **white** means files are already downloaded.
- Rows in **magenta** means files are not downloaded.

Click **BoxId** in NetExplorer sub-section then **Records** to see the files to be downloading.

10. Click  **Stop** to interrupt the process, if necessary.

11. Click  **Start** to resume.

12. Wait until all requested VSS data files are transferred to the computer.

13. At the end of the download process the VSS2SEGY program prepares reports in *.csv format for every individual vibrator controller. For example **9021_report.csv**, where 9021 is the serial number of VPHD Vibrator Controller.

14. Open **Data** folder to see the saved VSS data files.

 03_0000000283_00344_160518_180525_159998.sgy	5/18/2016 1:23 PM	SGY File	67 KB
 03_0000000284_00345_160518_180538_847998.sgy	5/18/2016 1:23 PM	SGY File	67 KB
 03_0000000285_00346_160518_180552_535998.sgy	5/18/2016 1:23 PM	SGY File	67 KB
 03_0000000286_00347_160518_180606_223998.sgy	5/18/2016 1:07 PM	SGY File	67 KB
 03_0000000287_00348_160518_180619_911998.sgy	5/18/2016 1:07 PM	SGY File	67 KB
 03_0000000288_00349_160518_180633_599998.sgy	5/18/2016 1:07 PM	SGY File	67 KB

15. Use the iX1 Video Plot program to analyze (view) the downloaded VSS data files.

