



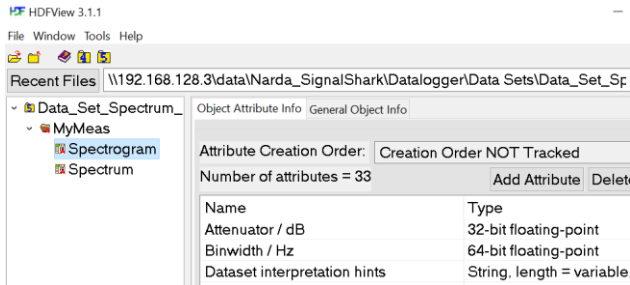
# Script “nslconvertspectrum”

The script “nslconvertspectrum” allows to convert SignalShark spectrum data from HDF5 (.h5) file format to .csv file format.

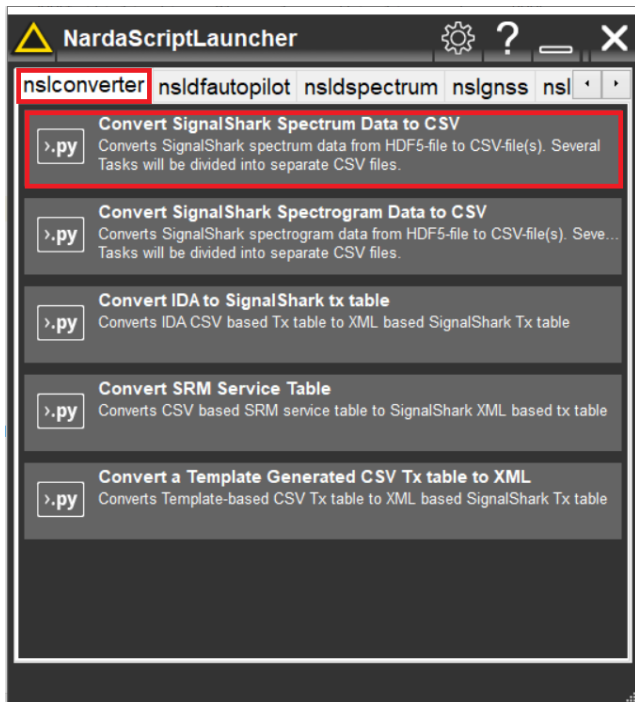
The script is executed through the Narda Script Launcher Application. It prompts the user to select an HDF5 file containing the spectrum data that needs to be converted into the CSV file format. Once the file is selected by the user, its contents are verified to check the presence of spectrum data. The file is then converted to CSV format, and saved in the parent directory with a new name and a csv file extension.

# Procedure

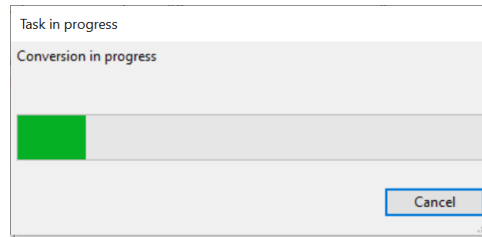
The (.h5) files logged by SignalShark in the Datalogger folders have the spectrum data present in them. These files can be viewed in HDFView Application:



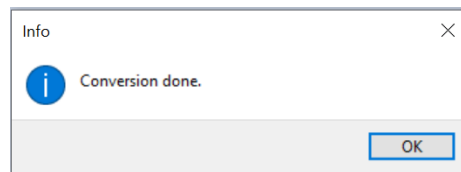
1. To convert the spectrum data of these SignalShark HDF5 files into CSV file format, open the Narda Script Launcher application and select the “nslconvert” tab:



2. Select the script “Convert SignalShark spectrum data to CSV”.
3. When the script is executed, the user is asked to select the (.h5) file from the file picker.
4. Upon file selection, the script validates the presence of spectrum data in the (.h5) file. If the validation succeeds, a progress bar appears on the screen showing the status of file conversion:



5. Once the conversion is done, a pop-up dialog provides the confirmation to the user.



6. The converted (.csv) file is saved in the same directory as that of the (.h5) file and it derives its name from the parent file too and its corresponding task id.
7. Press “Ok” to terminate script.
8. The resulting .csv file shows the measurement specifications and also provides a list of the logged frequency values against pPk and RMS level values:

	A	B	C	D
1	Description	Value		
2	Binwidth / H.	31250		
3	Frequency of	85000000		
4	Number of b	801		
5	Level unit	'b'dBm'		
6	Measuremer	0.01		
7	RBW / Hz	62500		
8	Reference le	-14.5		
9	Attenuator /	0		
10	Geolocation	48.458394		
11	Geolocation	9.23011417		
12				
13				
14	Frequency	Level_pPk	Level_RMS	
15	85000000	-89.82688	-97.74068	
16	85031250	-89.309494	-97.8759	
17	85062500	-89.41531	-97.80536	
18	85093750	-88.03951	-97.605446	
19	85125000	-89.00963	-97.511375	
20	85156250	-88.121826	-97.476105	
21	85187500	-89.84452	-97.58193	
22	85218750	-89.23305	-97.775955	

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