

Exporting Hardware Offsets to PDF

By Andrew Clos

Hello Fellow HYPACK Users,

A new feature has been added to the HYPACK Hardware program that will allow you to export your vessel offsets to a PDF file. This feature gives the user a quick way to save and view their vessel offsets in a format that is easy to read and include in reports.

ACCESSING THE OFFSET PRINT FUNCTION

Open HYPACK 2024 and enter the Hardware program by selecting the "computer chip" button near the top of the main window. You can also open the Hardware program by clicking Preparation -> Hardware Setup. Select the "All Offsets" tab and an "Export to PDF" option will appear next to the "Help" button (Figure 1). Select this option to open a save dialog for you to name the PDF file that will be generated.

File Options Help Export to PDF											_ `
🖃 🦕 Hardware	Mobile	Survey Device	Offsets	All Offsets							
 Boat HYPACK File Simulation Applanix POS M/V Knudsen 320M (Dual trar HYSWEEP Survey Ross Smart Sweep Valeport SWiFT SVP Applanix POS/MV Ne 	Device		Туре		Starboard	Forward	Vertical	Yaw	Pitch	Roll	Latency
	Survey Devices										
	HYPACK File Simul				1.000	3.000	5.000	0.500	0.200	0.900	0.70
	Applanix POS M/V				7.000	9.000	11.000	0.400	0.100	0.800	0.60
	Knudse	n 320M (Du			0.000	2.000	0.000	0.000	0.000	0.000	0.00
	Knudsen 320M (Du		Transducer 1		1.000	9.500	3.000	0.000	0.000	0.000	0.00
	Knudsen 320M (Du		Transducer 2		33.000	5.000	6.000	0.000	0.000	0.000	0.00
	Multibeam Devices										
	Ross Smart Sweep		Transduo	er 1	111.000	2.000	3.000	0.000	10.000	11.000	12.00
	Ross Smart Sweep		Transducer 2		4.000	• 5.000	6.000	0.000	13.000	14.000	15.00
	Ross Sr	nart Sweep	Transducer 3 MRU Offsets		7.000	8.000	9.000	0.000	16.000	17.000	18.00
	Applan	ix POS/MV			0.000	0.000	0.000	0.000	0.000	0.000	0.00
	Applan	ix POS/MV	Heading	Offset (Y	0.000	0.000	0.000	0.000	0.000	0.000	0.00

Figure 1. The Export to PDF Option Becomes Available When Viewing the "All Offsets" Tab

THE GENERATED PDF REPORT

The default location for the saved report is the root of the HYPACK project directory. The report header will contain the name of the project, in this case "Approaches to Savannah, VSL-2703." Figure 2 shows how the PDF report will appear.

Figure 2. The PDF Generated by the All Offset Tab's Print to PDF Function

Approaches to Savannah, VSL-2703, Device Offsets											
Device	Туре	Starboard	Forward	Vertical	Yaw	Pitch	Roll	Latency			
Survey Devices											
HYPACK File Simulation		1.000 (f)	3.000 (f)	5.000 (f)	0.500 (deg)	0.200 (deg)	0.900 (deg)	0.700 (sec)			
Applanix POS M/V		7.000 (f)	9.000 (f)	11.000 (f)	0.400 (deg)	0.100 (deg)	0.800 (deg)	0.600 (sec)			
Knudsen 320M (Dual transducer)		0.000 (f)	2.000 (f)	0.000 (f)	0.000 (deg)	0.000 (deg)	0.000 (deg)	0.000 (sec)			
Knudsen 320M (Dual transducer)	Transducer 1	1.000 (f)	9.500 (f)	3.000 (f)	0.000 (deg)	0.000 (deg)	0.000 (deg)	0.000 (sec)			
Knudsen 320M (Dual transducer)	Transducer 2	33.000 (f)	5.000 (f)	6.000 (f)	0.000 (deg)	0.000 (deg)	0.000 (deg)	0.000 (sec)			
Multibeam Devices											
Ross Smart Sweep	Transducer 1	111.000 (f)	2.000 (f)	3.000 (f)	0.000 (deg)	10.000 (deg)	11.000 (deg)	12.000 (sec)			
Ross Smart Sweep	Transducer 2	4.000 (f)	5.000 (f)	6.000 (f)	0.000 (deg)	13.000 (deg)	14.000 (deg)	15.000 (sec)			
Ross Smart Sweep	Transducer 3	7.000 (f)	8.000 (f)	9.000 (f)	0.000 (deg)	16.000 (deg)	17.000 (deg)	18.000 (sec)			
Applanix POS/MV Network	MRU Offsets	0.000 (f)	0.000 (f)	0.000 (f)	0.000 (deg)	0.000 (deg)	0.000 (deg)	0.000 (sec)			
Applanix POS/MV Network	Heading Offset (Yaw)	0.000 (f)	0.000 (f)	0.000 (f)	0.000 (deg)	0.000 (deg)	0.000 (deg)	0.000 (sec)			

THANK YOU

I hope you enjoy this new tool that will make viewing and exporting offsets from the HYPACK Hardware program a bit easier.

Thank you, Andrew Clos