

HYPACK 2025 Q1 Updates

FILES	LOCATION	VERSION	DATE	CHANGES
ADCPPProfile.exe	\root	25.1.1	4/3/2024	<p>Found issue with boat speed being 10x when loading a EDT file. HS2X was fine.</p> <p>Ensured temperature data was coming from the M9</p> <p>Added ability to display all of the values in the spreadsheet also displayable in a graph window.</p> <p>To launch a graph window select Quick Graph under the view menu. You can have several of these open at once.</p> <p>They are also dockable.</p> <p>There's a list of check boxes to turn values on and off.</p> <p>For the X axis you can have it use time, DBL or ping number.</p> <p>If you wish to change the color of value, you can right click on the graph and a menu to set the color of items will appear.</p> <p>The settings panel is hide-able with the button on the top</p>
Ana_Tides.exe	\root	25.1.0	4/2/2025	Newer keycheck code
AOIntegr.exe	\root	25.1.0	4/2/2025	<p>Option added to auto synch at a specific time (once it happens it needs to be re check marked for the next day). It checks current time against desired upload time and runs when that time passes -auto synch compares file to current survey file in progress and won't attempt to upload -option to login/access different AO site (government users need) --URL is saved to ini file and repopulated if used.</p>
Cloud.exe / Cloud64.exe	\root - \x64	25.1.0	2/18/2025	Added ability to load ESRI tiffs XYZ values
coRTL.dll / coRTL64.dll	\root - \x64	25.1.2	4/21/2025	<p>Re-projects BAG boundaries using active Geodesy settings, calculates rotation and adjusts cell width and cell height values</p> <p>Updated version information to display Q1 in both the Splash screen and the about box.</p> <p>Fixed bug where custom images producing in the Raster File Editor weren't showing as available for decorating Targets or DG2 Files</p> <p>Lighting for Mtx, Bag, S102, Esri Tiff, Tin and Tin Surfaces</p> <p>Can Tin and Xyz by right clicking and selecting Display as Surface</p> <p>Added ability to load ESRI tiffs XYZ values</p>
DevDepth.dll	\root	25.1.0	4/18/2025	changed to include static runtime libraries, then recompiled everything. All windows appear to be working as intended now.
DevHPR.dll	\root	25.1.0	4/18/2025	changed to include static runtime libraries, then recompiled everything. All windows appear to be working as intended now.
DevTide.dll	\root	25.1.0	4/18/2025	changed to include static runtime libraries, then recompiled everything. All windows appear to be working as intended now.
f280.dll	\devices	25.1.0	4/11/2025	There was an integer overflow in the time calculation.
glew32.dll	\root - \x64	2.2.0	4/1/2025	required for graphicalMRU.exe / graphicalMRU64.exe 25.1.1 and later
glfw3.dll	\root - \x64	3.4.0	4/1/2025	required for graphicalMRU.exe / graphicalMRU64.exe 25.1.1 and later

GPSEllipse.dll	\root	25.1.0	4/18/2025	changed to include static runtime libraries, then recompiled everything. All windows appear to be working as intended now.
GPSHeight.dll	\root	25.1.0	4/18/2025	changed to include static runtime libraries, then recompiled everything. All windows appear to be working as intended now.
GpsMath.dll	\root	25.1.0	4/18/2025	changed to include static runtime libraries, then recompiled everything. All windows appear to be working as intended now.
GPSSat.dll	\root	25.1.0	4/18/2025	changed to include static runtime libraries, then recompiled everything. All windows appear to be working as intended now.
GPSSky.dll	\root	25.1.0	4/18/2025	changed to include static runtime libraries, then recompiled everything. All windows appear to be working as intended now.
GPSSync.dll	\root	25.1.0	4/18/2025	changed to include static runtime libraries, then recompiled everything. All windows appear to be working as intended now.
GPSUndul.dll	\root	25.1.0	4/18/2025	changed to include static runtime libraries, then recompiled everything. All windows appear to be working as intended now.
graphicalMRU.exe / graphicalMRU64.exe	\root - \x64	25.1.1	4/14/2025	Designed MRU display to look more modern with some more helpful displays for Heading, Pitch and Roll.
HYPACK 21.0.lw.xml	\root - \x64	n/a	2/17/2025	Modified the soft license wizard to remember your keys after deactivation Also updated Soraco to latest version
Hypack.exe / Hypack64.exe	\root - \x64	25.1.3	4/21/2025	Added Z Axis scale to Lighting dialog. Accepts floating point values from 1 min to 11 max. Ex. 5.25 Value is stored per View. So it is independent for each project and each view inside that project. For this iteration it will default to 1.0 for compatibility with prior versions until I can overhaul the internal attribute hierarchy handling to make it logical and user friendly / intuitive. Patched right click target selection code in Items Tree to ensure pop up menu choices refer to valid selection(s) and to prevent strange node highlighting when mousing over Tree Nodes in such a situation.
				Updated version information to display Q1 in both the Splash screen and the about box. Fixed bug where custom images producing in the Raster File Editor weren't showing as available for decorating Targets or DG2 Files Lighting for Mtx, Bag, S102, Esri Tiff, Tin and Tin Surfaces Can Tin and Xyz by right clicking and selecting Display as Surface
Hysweep.exe / mbHardware.dll	\root	25.1.6	4/18/2025	<ul style="list-style-type: none"> • Applies range adjustments to KMALL data. Range adjustments account for the difference between transmit and receive array locations. • Alarms missing installation parameters. These are needed for the range adjustments. <p>Notes:</p> <p>The two changes are inter-related. The KMALL driver requests installation parameters. If not received within 10 second the alarms is raised and ranges are not adjusted. This should not happen and hence the alarm.</p> <p>If for some reason we do not receive installation parameters, real time soundings will be slightly inaccurate. But the survey can be fixed in MBMAX64 Device Offsets. Not an ideal solution.</p>
			4/15/2025	There was an integer overflow in the time calculation in f280 driver. NOTE: F208 driver replaces original f290 driver.
			4/3/2025	Backwards Time Jump Alarm is now optional in View Options, QC tab

			3/26/2025	Allows simulation drivers with Norbit, R2Sonic and Kongsberg OEM keys.
			3/26/2025	Fixed connection error with Seabeam
			3/14/2025	Revert sonar id's to pre-hypack 2025 version.
			2/21/2025	Now sends correct Norbit start / stop command. Now supports gps, motion and heading pass through. Also logs frequency of each head separately.
			2/21/2025	Norbit -87S driver improvements
			2/21/2025	Implements bit shifting to allow 32 bit Ping DSP average backscatter to be logged as 16 bit. A similar option was previously available in HYSWEEP View Options. It was never used and has been removed.
InfoOffsets.dll	\root	25.1.0	4/18/2025	changed to include static runtime libraries, then recompiled everything. All windows appear to be working as intended now.
KeyView.exe	\root	25.1.0	2/17/2025	Allow soft licenses to run on their expiration date
			2/17/2025	Modified the soft license wizard to remember your keys after deactivation Also updated Soraco to latest version
MBMAX64.exe	\x64	25.1.5	3/27/2025	replace std::size (not supported in VS 2010) with _countof(). for DEVICE files.
			3/24/2025	Modified the S7K file reader to support dual head sonar data.
			3/14/2025	Shifts sonar ID codes where needed
			3/14/2025	Added a button in Device Offsets for entering k-controller tx-rx offset difference. Does not look for installation parameters file as originally planned. Does not expect range adjustment to be done by the survey driver. Guess the more complex stuff (that is more user friendly) can be done in the future.
			2/26/2025	-Changed KMALL 'MRZ' record parsing to avoid the doubling of data that was occurring when processing files from a dual head system. -Updated our kmallcalcs and kmall.h file (mbss) to accommodate Kongsberg's newest KMALL revision (J).
nps.dll / nps64.dll	\root - \x64	25.1.0	2/17/2025	Modified the soft license wizard to remember your keys after deactivation Also updated Soraco to latest version
OffsetTarget.dll	\root	25.1.0	4/18/2025	changed to include static runtime libraries, then recompiled everything. All windows appear to be working as intended now.
QlmDeleteKeys.exe	\root - \x64	19.0.25037.1	2/6/2025	Modified the soft license wizard to remember your keys after deactivation Also updated Soraco to latest version
QlmLicenseLib.dll	\root - \x64	19.0.25037.1	2/6/2025	Modified the soft license wizard to remember your keys after deactivation Also updated Soraco to latest version
QlmLicenseLib.dll.manifest	\root - \x64	n/a	2/6/2025	Modified the soft license wizard to remember your keys after deactivation Also updated Soraco to latest version
QlmLicenseWizard.exe	\root - \x64	19.0.25037.1	2/6/2025	Modified the soft license wizard to remember your keys after deactivation Also updated Soraco to latest version
SBMAX.exe	\x64	25.1.0	2/17/2025	Upgraded program to run in 64 bit.
SBMIN.exe	\x64	25.1.0	2/17/2025	Upgraded program to run in 64 bit.
SBMAX64.exe	\x64	25.1.3	3/27/2025	-only load/save echosounder init sv from project, not user settings -remove display of span of VEL file values in echosounder setting box -only load/save echosounder init sv from project, not user settings -remove display of span of VEL file values in echosounder setting box

				Gave XYZ output 3 digits of precision Convert Flow Min Max Depth to cm internally when read in both locations it is happening and removed an addition conversion that was happening elsewhere.
secserv.exe	\root	25.1.0	2/17/2025	Modified the soft license wizard to remember your keys after deactivation Also updated Soraco to latest version
Ss.exe / ssHardware.dll	\root	25.1.0	3/26/2025	Fixed "divide by zero" error and crashes on launch with Trittech Starfish.
survey.exe	\root	25.1.4	4/10/2025	Fixed the disappearing icon on the main window. Removed unused button. New Logo in taskbar. Better visibility. Changed the Target Select box to a tree structure to enable turning groups of targets on and off. Used a different calculation to get the distance to start of line. Find the two points, either the main tracking point and start line point or the main tracking point and end line point, and find the distance between them. The last version was reading to the EOL point regardless of whether the line was swapped or not. That was the root of the error. Why it was doing that, I do not know.
tbs.dll	\devices\custom	25.1.0	3/3/2025	Cleared the edit box after the user presses the enter button.
Tideman_mdb.exe	\root	25.1.0	4/3/2025	Newer keycheck code
tin32.exe / tin64.exe	\root - \x64	25.1.0	4/16/2025	Disabled BAG export from TIN. The BAG export isn't currently worth fixing because people shouldn't be making bag files in TIN. They should be making them in MBMAX64. Additionally the BAG library we are using is VERY old and in an uncompileable state. We should take the time to update it and MBMAX64 to use it and then we can re-add it into TIN. Just don't have time this release.
TrackSlope.dll	\root	25.1.0	4/18/2025	changed to include static runtime libraries, then recompiled everything. All windows appear to be
tss320.dll	\devices	25.1.0	3/31/2025	Added an "Ignore Heave" checkbox in Setup. In addition to not displaying heave in Survey, it would just write zero values for heave in the HCP records while still retaining pitch and roll.
wc3DPlayback.exe	\root	25.1.0	2/19/2025	Two small changes (1) display WC properly and (2) prevent crash on exit