



Release Notes Version 9.1

Release Date: October 2015

- 1) New IADS 64 bit Client.
- 2) The IADS 64 Client displays exclusively use the advanced property dialog. The classic property dialogs are only available in the 32 bit version of the IADS Client.
- 3) Customer developed IADS plug-ins need to be converted to 64 bit in order to work with the new 64 bit IADS Client.
- 4) Significant Performance improvements, including; Lowered network utilization, Less overall system resources, Faster refresh rates and Faster load times on the IADS Client.
- 5) Numerous User Interface upgrades to the IADS Client, including; updated display graphics and fonts, Visual enhancements to the Aircraft Gauges, New Display Builder icons and New Analysis Window Toolbar button graphics.
- 6) The IADS Operator Console has also been updated to match the look and feel of the IADS Client.
- 7) The LMS, ACRA CDF and QuickPlot export plug-ins need to be upgraded for use with the 9.1 version of IADS.
- 8) In IADS Playback mode, MPEG-4 (MP4) files require the installation of the latest ffdshow codec available on-line (ffdshow-tryouts.sourceforge.net); and the LavFilter "install_splitter.bat" (<https://github.com/Nevcairiel/LAVFilters/releases>). Please see the help system for more information.

IADS	
<i>New Features</i>	
9351	Can now drag a parameter from the Configuration Tool into a display (similar to using the Parameter Tool)
9445	IADS Server added support for Omega projects with 17/18/19 bit tag setups
10220	Improved horizontal smooth scroll in Configuration tool and Logs
10263	New Bessel Filter option added to filtering suite
10330	IADS Installation automatically detects the highest bit size installation package available based on the operating system
10331	IAP Derived Parameter server automatic load balancing is accomplished using the IAP Load Balance Thread Count property in the Operator Console

10332	The “EnvelopeFunc” function allows you to define an envelope using a single equation in place of the parameter value pairs
10334	The Cross Plot can now calculate the slope between two points using the S key hit. The slope calculation is displayed on the plot
10335	IADS Configuration Tool can now be navigated using the keyboard (see the help system for a complete list of shortcut keys)
10336	An aliased parameter is easily identified by right-clicking on a display that contains the parameter > Go To Definition and viewing its data source name in parenthesis
10337	Frequency and damping can now be extracted during Automated Analysis from a single burst in Pseudo Randomdec mode
10338	Frequency Averaging will now ignore data blocks during TM Sync loss
10340	Frequency Plot right-click Compute menu “Enable Pre-FFT Detrend” option to remove the DC (0 Hz) component from the signal before the FFT
10342	The IADS Server (CDS) new properties; “AdaptiveArchiveEnabled” and “AdaptiveArchiveIntervallLength” to improve disk throughput performance
10343	The IADS Server (CDS) new property “MemoryMornitorEnabled” to track server memory usage and prevent overflow when enabled
10344	New report in IADS output directory (iadsConfigChangesLog.txt) details all user actions such as importing Analysis Windows or Desktops, creating displays, dropping parameters, MCS log events, editing the Parameter Defaults, Mission Attributes or Constants tables
10345	The Post Test Data Server is now offered as a data source/server option in the Operator Console
10346	Ability to disable archiving on a per parameter basis
10400	New frequency based acceleration to displacement calculation (Frequency Domain Integration or FDI)
10742	Parameter Attributes Viewer improvements such as general column sorting
10774	Cross Plot secondary envelope properties are now available in the advanced property dialog
10814	New Data Group option "HideMissingParams"
10841	The Time History Curve fit now defaults with "Detrend" option so Autoscale will not mask data peaks
10877	Real time data servers are now displayed in the IADS Startup dialog on the "Existing" tab (similar to the Post Test Data Server)
10909	Latch Function now has infinite latch ability and reset
10938	New Quick View Display to view all parameters in the Parameter Defaults table
11008	If “Go to Definition” fails in the Parameter Defaults table it will now search the Data Groups table
11044	New Primary Flight Display ActiveX control
11084	Data Manager Data Export command now has ability to export ALL parameter data without specifying start and end times
11107	Stripchart Autoscale ("A" key hit) now based on average or zero value (displayed in popup)
11168	The rotation point is now shown on all primitive display objects as a red square (except for Text object) in edit mode

11181	2D Moving Map display can now deleted and Aircraft
11240	Title area can be disabled on the Moving Map, ICAW and Event Monitor displays.
11359	Filter, Frequency Analysis and Auto Analysis properties are now available on the advanced property dialogs (where applicable)
11372	IAP Derived Parameter Server performance warning indicated on IAP object in Operator Console
11397	If Matlab Redistributables provided by Symvionics are incompatible with the OS, suggestions are made for necessary operating system changes
11505	Envelope properties for the Frequency Response Plot are now available on the advanced property dialog
11522	Analysis Window rename prompt removed, it now automatically brings up naming dialog
11526	Can now view all the Analysis Windows in the Dashboard list via right-click menu
11530	Now have support for the ActiveX array property interface that allows users to receive IADS BLOB data types
11599	Native compression eliminates the need for pkzip exe (4GB file limit)
11600	Video player now has the capability to rotate video display
11604	Non-IADS Telemetry server data sources have an abbreviated start wizard at Operator Console system start
11622	New Text History Viewer display
11641	New data group option “\\FillMethod=Sparse” to allow a sparse export to CSV and Excel
11645	Updated Progress Bar look
11649	The IADS Server, IADS Clients and IAP Server application bitsize can be set in the advanced property dialog in the Operator Console
11676	Operator Console now has an automatic crash recovery mode
11752	Installation dialog updated for better clarification
11785	New start menu option for IADS Measurement editor with Real Time Station installation
11779	IPAT Tool now has BLOB data support
11842	New start menu option for IADS Real Time Client with Real Time Station installation
11896	“iadsread” MATLAB function now has ability to specify an IADS configuration file that is separate from the IADS data directory
11901	GetCursorPosX/Y functions ow allow value to return relative to display panel
11922	New Data Display right click menu option “Select All of This Type”
Bug Fixes	
9262	IADS Input Object Drop Down needs scroll bar for high index counts.
9317	IPAT GetValue() problem
9549	The IADS Server (CDS) is not forwarding L3 Sys500/Vista parameter info files to logs folder
10012	All core displays are handling aperiodic parameters natively
10760	Frequency Plot - Double Integration option should be greyed out for units that can only be integrated once

10770	Export to Matlab fails if Matlab is not installed. Now .mat file is created
10786	Data hints not showing on some ActiveX controls
10796	Logging the results of an Automated Sweep Analysis (FRP) freezes IADS
10823	Filter dialog shows wrong labels for Elliptic filter
10857	ICAW error message column resizing incorrectly
10859	IADS Start Dialog import CSV file failure due to bad characters
10862	IADS server unable to validate time with S6200
10932	Floating Window Style fails to put buttons back when turned off
10943	Configuration Tool flicker issues on resize
10976	Blob Viewer: Not treating aperiodic as aperiodic
11010	Parameter duplication in PDL when using Clear Selection vs Cut if there is not an explicit save after Clear Selection.
11011	Frequency plot is enabling "Export to Matlab" when it should not
11037	Attaching input parameters from ActiveX controls to data displays do not save
11079	Calibration Tool can incorrectly populate the date time control for saved calibration files
11083	Current Flight Info dialog is not populating the <i>FormFDate</i> field properly
11115	Error with Max function
11154	SA display does not update properly when you change the data directory path
11197	2D Moving Map demo mode not working unless a parameter is attached
11198	Tail gets reset on 2D Moving Map each time the property sheet is open
11234	Changing header text color on the Event Monitor or ICAW does may not work
11291	Event Monitor does not allow user to remove last column (Event Marker Text) from viewing
11362	Z-Ball crashes Client/PTDS when adding files from root drive (C:\, D:\, etc.)
11369	Operator Console does not save the advanced property dialog size, position or tab
11382	Cycling through targets in the target-info panel may not work in 2D Moving Map
11391	IPAT Tool problems validating equations with recursion
11409	"Go To Definition" and "Debug Parameter" not working when parameter names have spaces
11413	Frequency Domain Integration - Units defined as 'G' (not 'g') will make available 'Show Integration in Hint' on FP > Compute right-click menu but the integration options are grayed out.
11417	Problems with horizontal scrollbar
11422	Filter dialog not showing an error string if filter settings are invalid
11435	Push of desktop (import) pauses displays when config updates get received at client
11443	Stripchart Toolbox - Both Double Integration Buttons have the mean removal ("MR") designator on them
11520	Server warning message interface may not reconnect to IADS server correctly
11541	Calibration Tool does not resize contents of the window
11555	Equation import may cause IADS to exit unexpectedly
11624	Shift Drag from advanced property dialog does not work for core displays

11640	Data displays and ActiveX controls copied and pasted together to a display folder may not copy to the correct positions
11732	Operator Console read only startup file errors
11734	EquationEngine: StrCmp(GetUserInput("X"), "blah") throws an incorrect type error
11780	Action object ExecuteAction property not functioning properly if parameters attached to both the ActionArg and ActionArg2
11786	Operator Console startup files created pre-startup wizard can cause unexpected results
11794	Problems destroying IPAT Tool "Generated Window"
11798	Unexpected results when moving some combination of displays
11803	IADS may exit unexpectedly when debugging the "Generated Window" created from the IPAT Tool
11806	Data Group export in real time fails CSV export if Butterworth filter and sample rate applied to property bag
11890	IPAT Generate AW displaying "no data" in Stripchart
11900	IadsInputObjects: Property OutputName on TextInput display does not save
11926	IADS Data Viewer sometimes fails over network connection on read only files or devices
12038	Dropping a non-blob parameter on the "Blob_Input" property of the Blob Viewer causes it to crash
REAL TIME STATION	
<i>New Features</i>	
10413	NPPTools not required for TTC DARv3 PCAP processing
11579	Support for all Real Time Station data sources in 64 bit release except the following: Acra SAMDEC, Lumistar, Acra CF card, TTC DBS-120, TTC DBS-140
<i>Bug Fixes</i>	
11805	Error message for IENA/iNETX network test for invalid port number ("Please change port id.") is misleading because port id comes from the XidML file and is not editable
11974	Gulfstream IDEM plugin incorrectly reporting IPT faults
12054	First subchannel of Chapter 10 analog channel was undersampled
12055	Merged ARINC thread occasionally stalling out which results in both dropped packets and "delayed" data (data appearing in scroll back but not in real time)
12056	Rollover not detected correctly on Chapter 10 UDP packets which resulted in a dropped packet