



New Features and Bug Fixes

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***CURTISS -
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IADS DATA PROCESSING	
<i>New Features</i>	
10997	Added new derived function to detect stale data in aperiodic parameters
<i>Bug Fixes</i>	
13046	Improved derived parameter error messages for parameter errors within equation
13452	Corrected sample rate issue when IAP parameter dependencies occur across multiple IAP servers
13483	Fixed a problem in IadsRead when attempting to read sequential time slices from a posttest archive
13543	Corrected a bug in IadsRead causing errors when changing between different servers or between server and directory
13642	Fixed a bug with labeling when adding an additional data source
13757	Lumistar failing to set PCM code
13780	Added IAP threading to speed Ch10 extraction and real time
13806	IAP processor quits out completely if an input parameter failed to get any data for entire flight. GetValue used in any IAP equation (or any of its input parameters) throws an equation error
IADS CLIENT	
<i>New Features</i>	
10997	Stale data alert for periodic and aperiodic data
11830	Windows 7 style browse boxes
12639	IIR Filter Designer Tool
12640	FIR Filter Designer Tool
12663	B280 Model
12784	M-345 Model
13218	Ability to fast-forward data when returning to real-time in an AnalysisWindow
13330	New Data Group creation dialog
13382	Auto create a Stripchart from Event Monitor entry
13491	RtStation, performance button now turns red to remind user when Data Archiving is disabled
13500	B52 Model
13501	B1-B Model
13502	JASSM Model
13509	MQ-25 Model
13574	Global precision settings to Dashboard for both data and time hint precision on data displays
13657	StandardGauge – Added FontWeight options to display
13658	Tape Heading display added that can be used to show aircraft heading in a more compact manner
13791	B250 Model
13792	Rocket Model
<i>Bug Fixes</i>	

12978	Export of ICAW and 2d Moving Map tables no longer export into old container
13046	Derived equations with multiple { } nested works correctly
13131	Aperiodic derived functions no longer get duplicate points
13308	Integral calculation returning incorrect value using moving window option
13317	Data Export Plugin corrupt on single machine
13463	Event Marker and Test Point text now sensitive to black background on Stripchart
13483	iadsread: Sequential data access on posttest data incremented by 2 blocks
13496	IADS Button – Toggle state incorrectly holding on property sheet change.
13506	IadsDataExportWizard – Fixed an issue with exporting aperiodic parameters
13532	Successfully does a go to time on aperiodic derived data using the Post Test Data Server
13572	IADS Data File Viewer available on Windows 10
13660	Iads3DModel loading issue corrected
13692	Data Export Wizard allows multiple exports to Matlab
13724	Alphanumeric Table – Title saves properly
13731	Extremely low sample rate no longer causes red X to appear
13776	Firewall exception applied to panel display
13801	Fixed issue with excitation parameters not being exported with AnalysisWindow and Desktop exports
13811	IadsDataExportWizard – Added wait cursor and fixed issue with blank Parameters text field when attempting to export a large number of parameters
13817	Fixed delays when pausing GlobalTime
13820	Stopwatch user input value now runs on a timer for update purposes
13838	Configuration file with overlays no longer crashes client
13841	IfThen function in conjunction with Empty function no longer causes errors
13862	Deleting Desktop on Win 7 vs Windows 10
13863	3D Model show axis persists
13864	Correct values captured in Calibration Tool
13865	Aperiodic buffer starved for data on a large stale period in post test
13866	GetUserInput button transition now propagates.
13876	Not minimizing Analysis Windows that overlap 'floating' windows
13879	Iadsread function no longer converting numseconds to integer
13888	Scale per parameter in Stripchart correctly allows deletion of data
13899	Derived equations no longer truncate 64-bit constants
13962	Data Export Wizard allows sample rates lower than 0.2
Other	
11886	Desktop/Analysis Window Export disabled in demo mode
13778	IADS Panel Display installation package
13776	Added a firewall exception at installation for IADS Panel Display
RT Station	
New Features	
12679	Second generation IADS video is now supported for Chapter 10 video sources.
13507	The TmNS data source rejected XidML files starting in 9.2.2.

13530	Chapter 10 support has expanded to include the discrete data channel type
13542	Chapter 10 plugin has expanded to include the ability to span multiple channels
13550	For Chapter 10 realtime UDP data, the user has the option of starting the entire system (including CDS and display) before any data arrives by unchecking the "Timeout" button in the Chapter 10 networking dialog of the start wizard.
13646	A greater number of Chapter 10 analog and ARINC sources can now be processed simultaneously.
13856	LS28 wizard setup page now includes a tab for selecting modulation type, carrier frequency, and IRIG type.
13858	TmNS data source now includes exception for non-standard byte order in packets.
13877	IadsTpp now has native support for IRIG-106 Chapter 7 PCM within Chapter 10 data sources.
13938	Updated LS-28/68 to reflect changes in new firmware, and to follow the Lumistar App setup process more closely.
13951	LS-28/68 Start Wizard dialog now displays a message with the NIC's and IP's discovered when searching if no Lumistar devices were found.
13958	RtStation now supports the Lumistar LS-68
Bug Fixes	
13600	Lumistar DRSM (LS-28 and LS-68) was now properly handling PCM with an inverted signal or with LSB-first transmission. (This fix also requires a firmware update to Lumistar decoms.)
13633	Chapter 10 Ethernet channel plugin supports fragmented UDP packets.
13652	Parameters that appear in CW-TTC TMATS derived equations are stripped of their CW-TTC specific additions, namely *.EU and *.RAW.
13669	The sign bit for some parameters in TMATS is correctly applied.
13757	Newer versions of LS-50 API no longer failing to indicate loss of lock on Windows 10 machines.
13760	Messages can now be removed in the IADS Measurement Editor.
13788	For Chapter 10 1553 processing, duplicate message and measurement names are supported
13790	TMATS files with non-Windows line feeds are read correctly. (This corrects a problem introduced in 9.2.2)
13802	For time zones that are actually ahead of GMT, the CW-Acra iNetX/IENA time will no longer appear incorrectly behind GMT. (This problem was introduced in 9.2.2)
13818	IAP threading now improves Ch10 extraction speed for DPS IAP parameters
13821	For the Chapter 10 data source, the nGWY PCM stream definitions are now recognized in the CW-TTC XML file.
13869	F35Funcs verified working correctly
13871	32-bit IENA/iNetX parameters correctly marked as "ushort" when "Enable 16 bit support" selected in start wizard.
13873	Brief pause no longer occurs within 15 seconds of client start (playback or realtime).
13882	Chapter10 processing now recovers from lost UDP packet in analog channels.

13884	IadsTpp no longer exits when TMATS file that has only C group appears first in the Chapter 10 instrumentation file list.
13892	Updated the Frame Sync setup command to reflect the changes in the latest Lumistar firmware.
13897	TTC-DBS-140 no longer exhibits data drop outs even when connected directly to PCM source.
13955	IAPs now removing message queues during shutdown. Especially noticeable during RtStation extraction
13956	Derived Parameter Server no longer exiting prematurely from a Ch10 extraction.