



Release Notes Version 6.6

Release Date: December 21, 2009

This release of IADS primarily consists of updates for the RT Station product, including a new IRIG-106 Chapter 10 real-time video acquisition capability to process, archive, and broadcast video encoded as Chapter 10 Format 0 MPEG-2 video to any connected IADS Client display from the Heim Chapter 10 recorder. It also includes a new capability to read from a Chapter 10 file. Additional new features and bug fixes have also been added to the IADS Client as described in the table below.

NEW FEATURES	
RtStation	
8372	IRIG-106 Chapter 10 Video (Format 0)
8544	Added <i>Auto-populate</i> feature to Chapter10 channel mapping in IADS Start Wizard. This allows the user to automatically match stream names defined in other instrumentation files (XidML, TTC XML) to channels on the Chapter 10 recorder.
8268	New capability to read from Chapter 10 file
8269	Now includes support for the new Lumistar DLL that allows both IADSTpp and Lumistar software to "share" data access. Customers who are interested in this feature must use LDPS software version 8.5354 or greater
Client	
8479	Several new 3D Models added
8487	New setting in the IADS Client Application Properties dialog to <i>Auto-resize Analysis Windows if Desktop resolution differs</i> (selected by default)
8510	New command line options <i>/noParamRecovery</i> (disables attempt to recover parameters that are missing from the Parameter Defaults Table but are still in displays during Desktop validation) and <i>/noAutoDesktopValidation</i> (disables Desktop validation)
8516	New preliminary option to <i>Identify Displays with Missing Data</i> . When this option is active, it will draw a red X through any display missing data. The option is available from the right click menu on the Dashboard IRIG time panel. Currently only works for windowless Active X controls, i.e., Text Primitive, Circle, Triangle, etc.
8522	New setting in the IADS Client Application Properties dialog to <i>Allow double click to maximize and restore displays</i> (selected by default)

8522	New setting in the IADS Client Application Properties dialog to <i>Automatically freeze Analysis Window on time scrollbar click</i> (selected by default)
8563	New IADS Data Group, Matlab export options <code>\\MatlabMaxRows</code> and <code>\\MatlabMaxRowsMethod</code>
BUG FIXES	
RtStation	
8391	The serial connection to the Chapter 10 device in the IADS Start Wizard now operates correctly.
8431	All TMATS setup files are now copied to the Logs directory
8472	ACRA Compact Flash event numbers no longer appear out of order and consequently process the wrong event
8473	Streaming Chapter 10 interface no longer skews time if non-PCM data sources are stopped/re-started
8524	IADS no longer exits unexpectedly when archiving is disabled but debug transport stream archive still turned on
8552	If the user has not selected at least one channel for Chapter 10 processing, the Start Wizard will no longer let him continue
8561	Fixed bug with ACRA XidML PCM definition parser incorrectly failing sub frame synchronization check
8580	Duplicate entries no longer appear in the IADS Start Wizard Chapter 10 network interface drop down list
Client	
8571	Multi-line text in the Text Primitive now functions correctly
8521	Corrected issue where in some cases on export, numeric parameter names would pre-append with “bad_first_char”. In both export to CSV and export to Excel directly, the parameter name is not modified if it starts with a number. However, in Matlab, a parameter name that does start with a number will have an output preceded by an “X”. For example, 12345 would be X12345.
8049	Can now view single points in Stripcharts that have parameters with very high sample rates
8156	Envelopes can now be added to a Frequency plot that was generated from a Stripchart
8388	Correct the Stripchart rendering issue for high sample rate parameters at high chart speeds 200/300
8433	Adding a background image to the Cross plot now displays properly
8448	Importing equations with quotation marks now functions correctly
8449	Input objects now allow a <i>Min</i> value greater than the <i>Max</i> value, or vice versa
8450	Changing the font in the Text primitive no longer leaks memory
8457	The iadsread function now receives updated query results while connected to a real time server
8458	IADS Audio/Video Server now stamps IRIG time of first video frame into the AVI file
8465	<i>Prev</i> function now returns the correct value in an order arrival parameter
8554	<i>GetMissionAttribute</i> function no longer fails if the <i>ParamType</i> in the Parameter Defaults Table is set to ascii

8601	CSV configuration file import no longer strips off pipes
8598	When Archiving is disabled, audio now functions correctly.
8599	Errors in non-critical configuration file tables no longer fail configuration file validation