

Houston Radar LLC
StatsAnalyzer Software
Release Notes

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Version 9.02.0002 (October 18, 2024)

Fixed:

1. [0000750] [Range Plot] Validation Tool is not logging last lane # vehicle counts.

Version 9.02.0001 (October 04, 2024)

Changed:

1. [0000737] [SpeedLane] Adjust LRC Debug panel to include auto scroll.

Fixed:

1. [0000749] [SpeedLane] Check "UP" and "RP" variable before read/write in SpeedLane.

Version 9.02.0000 (August 28, 2024)

Added:

1. [0000706] [SpeedLane] Add User Interface for configuring RTMS G4 Push.

Changed:

1. [0000723] [Connect To Radar] Update error handling for the WMI failures. Will now revert to the old WMI Query in the case we fail with the latest query.
2. [0000690] [Range Plot] Expand Range Plot vertically to utilize unused space.
3. [0000719] [Connect To Radar] Resize "Show Radar Information" button to smaller and not automatically resize when window changes size.
4. [0000718] [Radar Configuration] Fetch info from Radar each time user clicks on "Show Radar Information" rather than pulling info only at the time of connection.
5. [0000729] [SpeedLane] Improved the LRC interface by adding detailed information about the LRC Card and its count, along with new diagnostic tools to enhance the user experience and make troubleshooting easier.
6. [0000720] [Connect To Radar] Provide additional information on why Serial Number shows "Not Available".

Fixed:

1. [0000711] [SS400] Fixed issue where PNL10 SS400 Tab is not clearing when connecting to a SS400 that did not have the Rotary Switch Enabled.
2. [0000727] [DR600] Fixed issue where user was unable to set Operation Mode unless the DR600 has Ground Speed Supported.
3. [0000732] [GStreamer] Fix SpeedLane Video Stutter.

Version 9.01.0001 (May 22, 2024)

Changed:

1. [0000713] [SpeedLane] Adjust User Defined Port Number List to Allow 23, 10000, and 10001

Version 9.01.0000 (May 06, 2024)

Added:

1. [0000685] [SpeedLane] Add AutoLane feature to StatsAnalyzer for automatic lane detection in SpeedLane.

Changed:

1. [0000697] [Analyze] Updated Analysis Report to allow a Speed Limit up to 199.

Fixed:

1. [0000700] [Connect To Radar] Activity Monitor does not function properly when user closes SerialPortForm and reopens.
2. [0000699] [Connect To Radar] Activity Monitor Reset Activity Timer is not properly working when timeout warning appears.
3. [0000701] [Connect To Radar] Update Activity Monitor to pause when pulling debug from radar.

Version 9.00.0118 (April 03, 2024)

Added:

2. [0000595] [SpeedLane] Option in "Advance Menu" to check for new radar firmware.
3. [0000124] [Import] Show GPS coordinates in Import Window for SpeedLane DAT file import.
4. [0000609] [SpeedLane] GUI support for "MT Modem Hold Time" variable.
5. [0000571] [Tetryon Rendezvous] Maintain radar communication when connected via Rendezvous if there is user activity. Otherwise, disconnect after 1 minute and 45 seconds of inactivity.
6. [0000549] [Range Plot] Added right-click option to 'Zoom to Fit Lanes' in Range Plot.
7. [0000618] [SpeedLane] SpeedLane Analyze reports will now include the option for Vin/Ambient Temperature Chart, if supported.
8. [0000506] [Connect To Radar] Allow users to copy SID and SN to the clipboard on the 'Connect to Radar' page.
9. [0000663] [Connect To Radar] Support LRC Bootloader upgrade.

Changed:

2. [0000607] [SpeedLane] Update final page of SpeedLane Wizard to clarify that "Finish" button must be clicked.
3. [0000648] [Connect To Radar] Update SID to Serial Lookup API call to use version 1.1.

4. [0000646] [DR600] Update DR600 Operation Mode UI logic to always show and add items based on support.
5. [0000544] [Settings] Configuration window title now matches ribbon button.
6. [0000566] [Connect To Radar] Show "Device Name" in "Connect to Radar" dropdown box for Bluetooth connected devices.
7. [0000545] [Export Interval] Show warning when export time resolution exceeds collected data time resolution.
8. [0000614] [Analyze] Users can toggle series visibility in the Vin/Ambient Temperature Chart when analyzing project data.

Fixed:

4. [0000669] [Firmware] Fixed bootloader programming issue in "Connection" tab for Tracker.
5. [0000636] [General] Corrected "Background Clutter Compensation" spelling.
6. [0000548] [Connect To Radar] Fix issue with "Connect to Radar" button being disabled after rebooting and unable to find/connect to the radar.
7. [0000345] [Range Plot] Range plot shot histogram Avg Speed/Count functionality reworked.
8. [0000623] [Radar Configuration] Config restore does not set values for lanes 10, 11, and 12.
9. [0000624] [Firmware] Incorrect downgrade warning when programming firmware on radar without firmware.
10. [0000629] [Reports] Fix missing Hour 23 data point in the "Run Analysis" Average Weekly Charts.
11. [0000616] [Camera] Tilt/Level Readings were reversed in Photo Viewer.
12. [0000627] [Range Plot] Scroll vehicles defined outside of lane boundaries per direction in summary packet.

Version 9.00.0117 (January 10, 2024)

Added:

1. [0000592] [Batch Operations] Add Batch Operations Manager tool.

Changed:

2. [0000491] [Raw Export] Update SpeedLane Raw CSV Data Export column "Range" to "Units".

Version 9.00.0116 (December 08, 2023)

Added:

1. [0000581] [Connect To Radar] Add button to show detailed "Radar System Information".
2. [0000575] [Camera] Add tilt level measurement to Photo Viewer window.
3. [0000594] [Armadillo Tracker] Add "Verizon" to the Tracker Modem Carrier Selection

Changed:

4. [0000593] [Connect To Radar] Updated "Connect To Radar On" drop down box by including search by typing.

Fixed:

1. [0000574] [Analyze] Raw Data view should now be properly updated after applying filters.
2. [0000599] [SpeedLane] Gap for SpeedLane on import should no longer reset to 0 from time to time when it should not.
3. [0000598] [SpeedLane] Gap for SpeedLane on import should no longer be improperly calculated if unit was set to "Meter".

Version 9.00.0115 (November 13, 2023)

Added:

1. [0000587] [DR600] Add DR600 Ground Speed Option

Fixed:

1. [0000588] [SS400] Fix bug in SS400 where "Speed Measurement with Ground Speed Correction" is always available.

Version 9.00.0114 (October 23, 2023)

Changed:

1. [0000579] [SpeedLane] Adjust the Count Validation Tool CSV output to also include the "Total Counts" and "Average Speed"

Version 9.00.0113 (October 16, 2023)

Added:

1. [0000577] [SpeedLane] Add SpeedLane Count/Logging Tool
2. [0000578] [General] Add support for radar type LRC224E and LRC222

Version 9.00.0112 (September 15, 2023)

Added:

3. [0000568] [SpeedLane] Add "Verizon" option to the SpeedLane Carrier Selection.
4. [0000552] [SpeedLane] Add RS422 and Bluetooth option for Loop Card comm interface for SpeedLane Loop Card.
5. [0000560] [SpeedLane] Add feature to allow users to configure ethernet speed option to 10 Mbps or 100 Mbps.

Changed:

1. [0000569] [SpeedLane] Update Alignment Example Picture to use crosshairs in the SpeedLane Wizard example.

Version 9.00.0111 (August 4, 2023)

Changed:

1. [0000531] [UI] Revert text of "Run Analysis" checkbox back to "Analysis Report"
2. [0000535] [Connect To Radar] Updated "Show Serial Number on Connect" to be enabled by default

Fixed:

1. [0000533] [Connect To Radar] Fix SID to Serial lookup for DC310 radar type to not always assume type "Armadillo Tracker"
2. [0000532] [SpeedLane] Fix SpeedLane Loop Card UI not considering the Measurement Unit of the device.
3. [0000534] [SpeedLane] Fix bug where multiple callbacks for the Measurement Unit changing is occurring.

Version 9.00.0110 (July 28, 2023)

Added:

1. [0000524] [Radar Configuration] Updated Radar Configuration (.rcfg) to support new zipconfig domain type.
2. [0000523] [SpeedLane] Add SpeedLane Loop Card support.
3. [0000518] [Analyze] Allow customer to change export header from "<30" to "0 to 30".
4. [0000522] [SpeedLane] Display the kind of video support is available on the SpeedLane on connect.
5. [0000497] [Connect To Radar] Add new Get Serial Number for given SID when connecting to radar

Changed:

1. [0000504] [UI] Change text of "Analysis Report" action button to "Run Analysis".

Fixed:

1. [0000519] [Analyze] Export button not working for SpeedLane and Tracker projects due to DateTime based on localization.
2. [0000498] [Reports] Fix Report Page Break for Summary Hourly Pages in SpeedLane Reports

Version 9.00.0109 (April 26, 2023)

Added:

1. [0000477] [SpeedLane] Add new CAT M1 Modem Support for SpeedLane.
2. [0000483] [Reports] Add 50th Percentile Speed to SpeedLane Reports.
3. [0000472] [Raw Export] Add feature to toggle header from the reports via Settings under the "Advanced" tab.

Changed:

1. [0000489] [Connect To Radar] Update radar version label on connect to clarify whether it is the Bootloader Version or Radar Software Version
2. [0000490] [Database] Improve performance when loading up projects.
3. [0000476] [Reports] Adjust Summary Page Report Date/Time Format to be in the format of the OS rather than only 12-Hour format.
4. [0000060] [Reports] Improve DevExpress report printing options.
5. [0000488] [Reports] Update XLSX and XLS DevExpress exports of the reports to focus on the first tab rather than on the last tab sheet.
6. [0000485] [Connect To Radar] Change "Serial ID" to "Silicon ID".
7. [0000470] [Analyze] Make "Summary" tab the default tab instead of the "Monthly" tab.
8. [0000486] [Settings] Remove unused "Include Raw Data in Excel Export" feature from Settings.
9. [0000484] [Modem] Update Tracker Modem UI by having an "Apply All" button rather than individual button per section.

Fixed:

1. [0000469] [Debug Mode] Fix typo in the Tracker/Bluetooth Enable Overwritten of Oldest BT Pairings feature.
2. [0000493] [SpeedLane] Fix issue with the SpeedLane AM Peak not reporting correctly if the peak was found at 12:00:00 AM.

Version 9.00.0108 (January 27, 2023)

Changed:

1. [0000468] [Debug Mode] Update "Delete all existing Bluetooth pairing" feature to display a message informing user that BT pairings have been deleted.
2. [0000467] [Debug Mode] Update "Automatically remove oldest pairing when max paired limit" feature to be compatible with older Bluetooth hardware.
3. [0000466] [Debug Mode] Update "Automatically remove oldest pairing when max paired limit" feature to consider the BlueSoleil USB adapter.

Version 9.00.0107 (January 13, 2023)

Added:

1. [0000331] [SpeedLane] Add validation to the IP, Netmask, Gateway, and DNS Address under "Network" for SpeedLane.
2. [0000394] [Debug Mode] Add "Delete All Existing Bluetooth Pairs" button for Armadillo Tracker and Crossfire under the "Debug" Tab.
3. [0000395] [Debug Mode] Add "Automatically remove oldest pairing when max paired limit" button for Armadillo Tracker and Crossfire under the "Debug" Tab.
4. [0000430] [SpeedLane] Add controllers to allow user to choose between "Quick" and "Fine" picture quality when on Step 2 of the SpeedLane Wizard.
5. [0000418] [SpeedLane] Add SpeedLane NTCIP Support.
6. [0000389] [Reports] Add Report Name to the header (except for the Tally Report) of each of the pages in the export reports.
7. [0000450] [Analyze] Add Average Speed to the "Speeder" section of the Summary/Analysis report.
8. [0000391] [Reports] Add Average Speed in the Summary Report for the "Speed" and "Hourly" section of the DevExpress Report.
9. [0000443] [Modem] Add 4G Cat M1 Worldwide Modem Support.
10. [0000462] [Project Filter] Add to "Filter and Sort" section a way to sort by Station ID (Ascending and Descending).

Changed:

1. [0000424] [SpeedLane] Update text "hrserver" to "Tetryon" in the "Network" tab for SpeedLane.
2. [0000413] [Reports] Update the "total" row for Weekly and Monthly tables to calculate average instead of total speed.
3. [0000423] [SpeedLane] Adjust "User Defined Port Number" section under "Network" tab for SpeedLane.
4. [0000421] [SpeedLane] Remove Hide Detection Sensitivity feature in "Detection and Units" tab from SpeedLane UI.
5. [0000433] [Armadillo Tracker] Updated "Callout Server IP" to "Tetryon Cloud Server IP" in the Armadillo Tracker UI.
6. [0000429] [SpeedLane] Update "Level should be within +/- 2 degrees" text by adding "to road" at the end in SpeedLane Wizard.
7. [0000428] [SpeedLane] Capitalize "speedlane" text in the "X3/G4" tab in the SpeedLane UI.
8. [0000425] [SpeedLane] Update "Server" section controller text in the "Network" tab to "Tetryon Cloud Server" in the Network tab.
9. [0000426] [SpeedLane] Update "Customer ID" to "Tetryon Customer ID" in the "Network" Tab of the SpeedLane UI.
10. [0000427] [SpeedLane] Update "Minutes" text to be lowercase in the "Network" tab in SpeedLane UI.
11. [0000422] [SpeedLane] Update "Vehicle Bins" tab text to "Vehicle Class".
12. [0000390] [Reports] Rotate chart images to landscape rather than portrait for the export report.
13. [0000406] [Settings] Improve browse folder dialog when selecting new database and data folder location.
14. [0000403] [Raw Export] Enhance "Extend Raw Data" option by clarifying language.

15. [0000435] [SpeedLane] Update SpeedLane's "Diagnostic" page to include a list of prefill options that the user can ping to.
16. [0000447] [Connect To Radar] Update "Radar Found Message" to correctly display the correct baud rate when bootloader is found.
17. [0000445] [Range Plot] Update "No lanes setup message" on range plot to last more than 5 seconds.
18. [0000451] [Reports] Make the Analysis Report tab in SA and the Summary tab in export have the same name.
19. [0000449] [Analyze] Update "Analysis Report" to include "Histogram" and "Summary of Violators" reports in the "Analysis" form.
20. [0000458] [Armadillo Tracker] When bootloader is found on a Tracker, user will now be prompted to download latest compatible firmware and update to fix corrupt firmware.

Fixed:

1. [0000432] [SpeedLane] "Next" button in the Wizard is not enabled after finishing setting up for the 1st time.
2. [0000419] [Modem] Provide an alternative to send AT commands when "Start Configuration Modem" tab fails to get modem configuration.
3. [0000439] [Radar Configuration] Prevent "BN" in "Data Logging" from being set to 0.
4. [0000440] [Analyze] Binned Data that is selected through "Managed Imported Data" to analyze is not including last record.
5. [0000393] [Reports] "E-Mail As..." export functionality not working as intended when exporting to XLSX or XLS report.
6. [0000436] [Analyze] Analysis Report "By Hour" and "By Day" sections some records are being counted multiple times.
7. [0000420] [Armadillo Tracker] Armadillo Trackers with erase radar data feature disabled should not be able to Erase Radar Flash.
8. [0000434] [SpeedLane] Prevent Background Clutter Compensation to be set to 0 minutes and 0 seconds.
9. [0000431] [SpeedLane] Prevent the user from continuing Step 3 of the SpeedLane Wizard unless all checkboxes are checked.
10. [0000398] [Reports] Right-Click Export To PDF with a long filepath result in an exception for Tracker.
11. [0000397] [Radar Configuration] Loading radar configuration does not update locally stored variables.
12. [0000392] [SpeedLane] Prevent user from turning on Advanced Multipath rejection options in SpeedLane Setup Wizard if no lanes have been created.
13. [0000396] [Settings] Disabling "Enable Speed Rebinning For Excel Exports" for Green Tile Projects result in an unhandled exception.
14. [0000291] [Radar Configuration] Saving radar configuration can result in an InvalidOperationException.
15. [0000407] [Radar Configuration] Radar configuration filename is not outputting the correct SID of the radar.
16. [0000417] [Connect To Radar] Tracker "Speed Detection Limits" controller does not re-enable once it is disabled.
17. [0000399] [UI] At 175% Font Scale and 1920x108 resolution, the Export button for Tracker project becomes hidden.

18. [0000459] [Reports] 85th Pct Speed is outputting 1 in the 24-hour summary when there are no vehicles in Tracker Histogram Report.
19. [0000437] [Reports] TX DOT Form 1882 (Tally Report) crashes program without any notification when value for ≤ 30 or ≥ 80 is above 65535.
20. [0000448] [Export Interval] Armadillo Tracker Histogram Interval Setting is incorrectly calculating average speed for non-60-minute intervals.
21. [0000461] [Connect To Radar] Unable to download DAT file from Tracker due to string to in conversion.
22. [0000464] [Analyze] SpeedLane Histogram Reports page height is not correctly calculated.
23. [0000460] [Reports] SpeedLane "Analysis Report" tab page is not displaying all the lanes and/or group if there are more than 8 lanes.

Version 9.00.0106 (May 02, 2022)

Added:

1. [0000383] [SS400] Add Select Ground Mode to the Detection & Units tab.

Changed:

1. [0000382] [SpeedLane Vehicle Class Bins] Update Vehicle Class 8 for SpeedLane to read as "greater than or equal to".
2. [0000379] [Connect To Radar] Improve UI/UX for Tracker when firmware upgrade is available.
3. [0000387] [Radar Project] Prevent user from being able to set Vehicle Class #8 for SpeedLane Projects.

Fixed:

1. [0000385] [SpeedLane] Installation Mode Minimum Setback UI becomes disabled for SpeedLane after connecting and disconnecting from a SpeedLane Pro.
2. [0000261] [Bootloader] Incorrect radar type displayed when connecting to bootloader.
3. [0000386] [SS400] Operation Mode UI becomes disabled for SS400 after connecting and disconnecting from a SS400 that does not support the feature.

Version 9.00.0105 (April 13, 2022)

Added:

1. [0000119] [Reports] Add average speed for Histogram Incoming/Outgoing report.

Changed:

1. [0000377] [Reports] Truncate excessive decimal points from the AADT being displayed in the Analysis Report for SpeedLane.

Fixed:

1. [0000175] [Import] Remove "Correct Timestamp" feature for non-SpeedLane .dat import files with incorrect timestamps.

2. [0000376] [Reports] SpeedLane Report sometimes only shows 7 class bins instead of 8.
3. [0000369] [Reports] 50th Percentile Speed in the Exported Report is incorrectly displayed in Tracker Report.
4. [0000378] [Radar Project] Correct "Date/Time Start" column text from Managed Imported Data.

Version 9.00.0104 (February 16, 2022)

Added:

1. [0000355] [Range Plot] Zoom out to extent if you delete all lanes.
2. [0000344] [Connect To Radar] Add ability to refresh radar list via a refresh button.
3. [0000365] [DR600] Add TGL Speed Input/Output Support to DR600 and SS400 UI

Changed:

1. [0000361] [Range Plot] Delay Estimation Plot is unable to zoom and scroll without the program throwing an exception.
2. [0000362] [Language Support] Use correct translation of "Proche" and "Fermer" for French Translations.
3. [0000364] [Range Plot] Delay Estimation Plot Y-Axis label to show 2 significant digits.
4. [0000360] [Range Plot] Adjust plot peak data pen/point size to resemble closer to previous version.
5. [0000354] [Reports] 50th Percentile and Pace Interval missing from Export Report for Tracker Projects.

Fixed:

1. [0000359] [Analyze] Speeder count is over counting in the Monthly Counts/Speed Avgs tab in Tracker Projects.
2. [0000363] [Project Filter] Exception not being handled when "View Raw Data" option is enabled and user attempts to filter SpeedLane or CrossFire product.
3. [0000353] [Range Plot] Range Plot does not refresh after you delete all the lanes.
4. [0000367] [DR600] Rotary option should only be available for DR600 if PNL18 option is enabled.
5. [0000368] [Connect To Radar] Refreshing radar list results in Access Violation Exception when Bonjour is available.

Version 9.00.0103 (December 14, 2021)

Added:

1. [0000342] [GStreamer] Add GStreamer support for SpeedLane Camera.
2. [0000344] [Connect To Radar] Add ability to refresh radar list via a refresh button.

Changed:

1. [0000063] [Range Plot] Improve performance of the range plot.
2. [0000328] [Radar Project] Update "Manage Imported Data" table to allow user to edit each data to allow comments.
3. [0000337] [MS2 TCDS Export] Improve undefined Lane Direction of Travel message when exporting to MS2 Format.
4. [0000341] [SpeedLane] Set minimum value of TA to 2 seconds for the SpeedLane.

Fixed:

1. [0000118] [Screen Resolution] Improve Report Viewer UI to better adjust controls so that they do not go missing due to display settings.
2. [0000133] [Reports] Percentage in pace is incorrectly calculating in the histogram data.
3. [0000315] [SpeedLane] Prevent user from setting a TA value outside of minimum and maximum range for SpeedLane.
4. [0000343] [Connect To Radar] Unable to save "Read Traffic Stats From Radar" at root directory.
5. [0000336] [Analyze] Over counting in the Volume By Speed Histogram.
6. [0000312] [Tetryon Rendezvous] Bad Tetryon URL string results in unhandled exception.
7. [0000332] [SpeedLane] Diagnostics Textbox does not always get OOB ASCII data from SpeedLane.
8. [0000351] [SS400] Supply Voltage and Ambient Temperature Read for SS400 Crashes Program.

Version 9.00.0102 (September 09, 2021)

Added:

1. [0000319] [Analyze] Reintroduce the context menu export the "Analysis Report" tab via right-click. User can now export to PDF and XLSX formats.
2. [0000325] [Settings] Add option to toggle between "Cumulative Speed Total" and "Speed Total" for the Tally Report Form 1882.

Changed:

1. [0000320] [Settings] Clarify the "Export Interval" feature options.

Fixed:

1. [0000321] [Analyze] Add missing Percent Over Limit row to the Analysis Report for Green Tile Projects.

Version 9.00.0101 (August 10, 2021)

Added:

1. [0000180] [Debug Mode] Add busy wait cursor after user clicks on Get Debug.

2. [0000181] [Radar Configuration] Add programmatic support to add/del username/pass in SLP.
3. [0000304] [SpeedLane] Add UI Support for the Port Number (PR) variable
4. [0000067] [General] Add Release Notes link section in the main form of StatsAnalyzer.
5. [0000311] [DR600] Add DR600 LED Disable Option under "Hardware & IO Config" tab.
6. [0000311] [DR600] Add PNL18 Enable/Disable Strobe Flash Option under "Hardware & IO Config" tab.
7. [0000311] [DR600] Add PNL18 Calibrate LED Driver under "Hardware & IO Config" tab.

Changed:

1. [0000269] [Database] Update Default DB File to include projects such as SpeedLane, Tracker (Bi-Directional) and Crossfire.
2. [0000307] [Radar Configuration] Change "Strict Rain Filter" text for DR600 under the "Data Logging" tab.
3. [0000306] [Radar Configuration] Clarify wording on "Disable Low Power" mode checkbox in SS400 radar.
4. [0000297] [Reports] Allow user to setup min and max speed in Histogram for Binned Data.
5. [0000300] [MS2 TCDS Export] Remap Lanes from SpeedLane to MS2LaneNumber.
6. [0000299] [MS2 TCDS Export] Change Time in Metadata StartDateTime to "00:00:00.000" and EndDateTime to "23:59:59.999".
7. [0000293] [Analyze] Reword "Analyze" button to "Analysis Report" and "Analyze All" checkbox to "Analyze All Data in Project".
8. [0000282] [Connect To Radar] Update Radar COM Port ComboBox controller to be user friendly when listing is large.
9. [0000256] [Reports] Update Tally Report Form 1882 (TXDOT) to the latest revision.
10. [0000248] [Radar Configuration] Reintroduce the 'SetTime' method back to IRadarCommClassThd class.
11. [0000276] [Reports] Adjust Tick for Volume by Speed Bin Bar Chart Speed Bin.
12. [0000310] [General] Log more info from the Summary Report about the report creation.
13. [0000311] [DR600] Rename the "PNL18 Connector Option" section to "PNL18 One's Digit Option" under "Hardware & IO Config" tab.
14. [0000311] [DR600] External Light Sensor Type section, under "Hardware & IO Config" tab, now enabled for PNL18 only.
15. [0000316] [Raw Export] Add "Open File?" at the end of the Successful Raw Export File Open prompt to make it clearer.
16. [0000317] [Debug Mode] Update SpeedLane Debug Log to use the File Open Dialog instead of the Folder Browser Dialog.

Fixed:

1. [0000263] [SpeedLane] Range plot streaming packet interval rate becomes incorrect when switching between Installation Wizard and range plot.

2. [0000309] [Analyze] Error being thrown when closing the Analyze form before "Analysis Report" tab is finish creating document for Tracker Projects.
3. [0000305] [Modem] 'Show SIM IP Address' AT Command Displaying Incorrect Message.
4. [0000271] [Connect To Radar] Stats Analyzer reports incorrect baud rate under certain conditions described below.
5. [0000303] [Modem] OOB Data is not being processed correctly in the Tracker Modem output when using Bluetooth.
6. [0000295] [Analyze] Date/time not fitting in "Timestamp" column in current width of the column.
7. [0000212] [Connect To Radar] Unable to populate Connect To Radar List due to WMI issues.
8. [0000290] [Tetryon Rendezvous] Delete key not properly deleting rows from the Rendezvous Tetryon List.
9. [0000246] [Radar Configuration] Loading radar configuration is not properly working at times due to UInt16 to Int16 conversions.
10. [0000308] [Modem] Tracker Modem Deactivation Context Not Working Correctly Before Setting APN.
11. [0000244] [Reports] Export Interval below 60 minutes interval is not creating histogram properly for Tracker projects.
12. [0000241] [SS400U] Changing baud rate is not triggering a reset for SS400/SS400U.

Version 9.00.0100 (March 2, 2021)

Added:

1. [0000233] [Language Support] Add French Language Support.
2. [0000220] [Radar Configuration] Add support for the PNL18.
3. [0000225] [General] Add import/export functionality for the Remote Radar list.
4. [0000228] [SpeedLane] Add SpeedLane NTP Server support.
5. [0000207] [Reports] 24 Hour Total Average Report.

Changed:

1. [0000237] [UI] Adjust UI in CrossFire, Tracker and SpeedLane Analyze Report Form to dock and anchor correctly.
2. [0000224] [Radar Configuration] Update value of variable in Radar Configuration file to be UInt16 instead of Int16.
3. [0000226] [Database] Handle exception when unable to find Database File Location at startup of StatsAnalyzer.
4. [0000170] [Radar Configuration] Add ability to set Radar Clock to UTC Time or an offset from current local time.

Fixes:

1. [0000238] [Settings] Divide by Zero Exception when Excel Speed Bin is set to 0.
2. [0000236] [Analyze] Analyze reports are incorrectly calculating values due to multi-threading.

3. [0000235] [Reports] Alignment issue in the Histogram Tab of the Export Report when Project Notes are available.
4. [0000229] [Language Support] Language Selection is not correctly switching the 1st time.
5. [0000027] [Reports] "Analysis Report" tab not refreshing.
6. [0000227] [Reports] Crossfire Report are missing the Export Button via Analysis Report.
7. [0000115] [SpeedLane Vehicle Class Bins] Adjust SpeedLane Vehicle Class Bins Setup to prevent user from incorrectly setting up bin.
8. [0000147] [Reports] Missing hourly intervals in Histogram Report.

Version 9.00.0099 (December 17, 2020)

Added:

1. [0000068] [Tetryon Rendezvous] Add rendezvous functionality to StatsAnalyzer.
2. [0000208] [Radar Configuration] Save/Restore SpeedLane String Variables.
3. [0000168] [Language Support] Add Russian Language Support to StatsAnalyzer.
4. [0000216] [Modem] Add 4G Modem Support to the Tracker and SpeedLane .

Changed:

1. [0000214] [Modem] Increase Modem mode change wait time from 30 seconds to 40 seconds.
2. [0000213] [Connect To Radar] Catch and display error message related to WMI when opening "Connect To Radar".
3. [0000211] [Custom Reports] Update Helsinborg Custom Report.
4. [0000210] [Analyze] Improve report analyzing performance.
5. [0000112] [Reports] Add missing Total and Percentage of Total to Show Speeder Count for Tracker projects.
6. [0000159] [Radar Configuration] Save string variables, if available, to the radar configuration file.

Fixes:

1. [0000209] [SpeedLane SQL Query] SpeedLane Config Query was unable to get config var due to datetime issues.
2. [0000217] [Radar Configuration] SpeedLane was not resetting after restoring radar configuration.

Version 9.00.0098 (October 21, 2020)

Changed:

1. [0000199] [Check For Updates] Added bit error logging to the BSER list.

2. [0000196] [Language Support] Move language options to its own tab in StatsAnalyzer settings menu.

Fixes:

1. [0000198] [Analyze] Analyzing a Speedlane project with exactly 1 vehicle classification would cause an index out of range exception.
2. [0000061] [Range Plot] Undefined lanes display on the bottom-left of the plot.

Version 9.00.0097 (September 18, 2020)

Fixed

1. [0000023] [Reports] Crossfire Report Lanes' page including blank pages and/or extra rows.
2. [0000146] [Reports] Tracker Analysis Report's Total Vehicle Count Is Off By A Few Vehicle Counts.
3. [0000178] [Bootloader] Prevent radar from resetting after failing to program bootloader.
4. [0000176] [Radar Project] Opening an existing (old) Tracker project results in crash.
5. [0000162] [Import] Silent "Out of Range Exception" when fixing the DateTime of the records from the dat file.
6. [0000141] [Custom Reports] Fix misspelling of "Helsinborg" in the Custom Export Selection options in Settings.
7. [0000179] [Radar Configuration] Saving Tracker configuration while connected via modem throws an error.

Version 9.00.0096 (April 16, 2020)

Changed

1. [0000074] [MS2 TCDS Export] Don't allow export if Lane Direction is not defined in Lane Configuration.
2. [0000072] [CSV Export] Update "Raw Export" button to CSV for Tracker format to be the same as "View Raw Data" export.

Fixed

1. [0000073] [Snapshot] Unable to take photo from CrossFire.
2. [0000071] [MS2 TCDS Export] MS2 TCDS Tracker export is displaying incorrect units.
3. [0000070] [MS2 TCDS Export] MS2 TCDS SpeedLane export is displaying incorrect units.

Version 9.00.0095 (April 09, 2020)

Added

1. [0000033] Added support for XML format to SpeedLane and Tracker on a per vehicle record.
2. [0000036] Added support for PRN format to Crossfire on a volume by lane per interval.
3. [0000066] Added High Speed Mode for SS400U under "Detection & Units" tab.

Changed

1. [0000029] Removed "Max Speed" from the SpeedLane "AnalysisReport" tab.
2. [0000026] Updated Average Speeds of Speeder on Summary Page to display "0.0" instead of "NaN" when there are no speeders.
3. [0000037] Updated Tracker CSV Export to export per-vehicle details instead of speed histogram.

Fixed

1. [0000041] Fixed issue with raw export not being able to write to file that was not properly created.
2. [0000065] Fixed typo found in the "Correct Time Stamp" message after importing data with messed up timestamps.
3. [0000059] Fixed issue where "Show SpeedLane Query Window" option would not display when viewing the plotter.
4. [0000039] Fixed issue with "Export Data to CSV" when unable to successfully create a file.

Version 9.00.0094 (Feb 21, 2020)

Added

1. [0000018] Added release notes for our customers.

Changed

1. [0000014] Updated reports to now display date based on localization.

Fixed

1. [0000017] Fixed bug with firmware upgrade tooltip not showing up correctly.
2. [0000004] Fixed bugs with SpeedLane "Analysis Report" tab generating data for a long time after applying filter with "Stop After" option is disabled.
3. [0000003] Fixed bug with SpeedLane export button not working correctly after enabling filter option with "Stop After" option is disabled.

4. [0000007] Fixed bug with Filter Data By Custom Setting for SpeedLane "Lane" tab, in the report, not displaying values when "Stop After" option is disabled.
5. [0000010] [0000021] Fixed bug where users were unable to import some Tracker .dat files due to error during import.
6. [0000011] Fixed bug where projects from old Stats Analyzer would not be able to merge data with newer imports due to the unit's casing being different.
7. [0000012] Fixed bug where program would fail to properly import Tracker .dat files to older projects that were added before version 9.00.0062.
8. [0000016] Fixed bug where Geocounts Crossfire export not correctly displaying vehicle count.
9. [0000019] Fixed bug where report pages would disappear after exporting reports to PDF.
10. [0000001] Fixed bug where SpeedLane Histogram was not correctly calculating the number of days our data span over.
11. [0000008] Fixed typo in range plot for zoom to fit view message.
12. [0000013] Fixed bug where opened projects would not update if they were not selected after importing data to the project.
13. [0000020] Fixed bug where SpeedLane "Avg Speeder" row on the export summary page was being incorrectly calculated.
14. [0000006] Fixed bug with SpeedLane Monthly/Weekly grid.