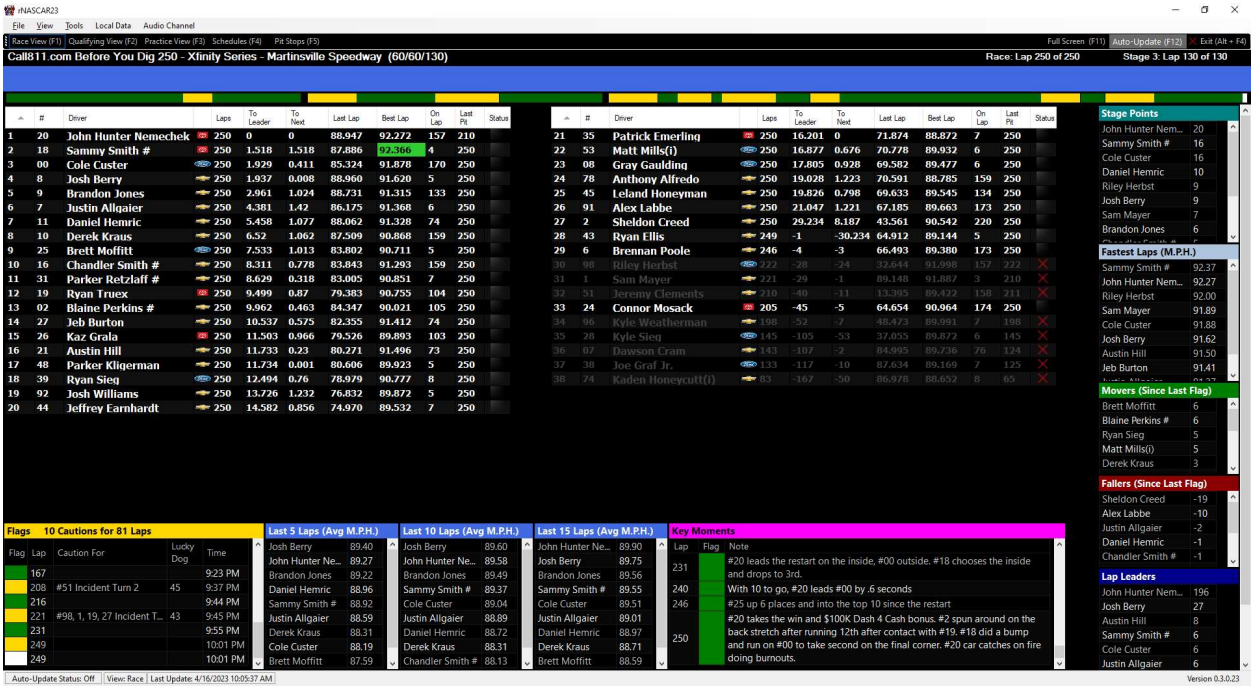
rNascar23 Owner’s Manual



The rNascar23 program displays timing and scoring information for NASCAR races. It includes data about sessions in progress, as well as schedules and event activities. The data that is displayed is read from NASCAR and is only available when NASCAR publishes it during live events. Some of the information available for the session includes:

Leaderboard – shows current running positions and status of all vehicles in the session.

Flags– shows all the flags that have been displayed in the session, including reasons for caution flags.

Best/Last N Laps – displays the best or last 5, 10 and 15 lap averages for the session.

Key Moments – displays short summaries about key moments in the session.

Stage Points – displays stage points earned in the current event.

Fastest Laps – displays a list of the fastest overall laps for the session.

Movers – displays a list of drivers who have gained the most positions since the last flag was displayed.

Fallers – displays a list of drivers who have lost the most positions since the last flag was displayed.

Lap Leaders – displays a list of drivers who have led laps in the current event.

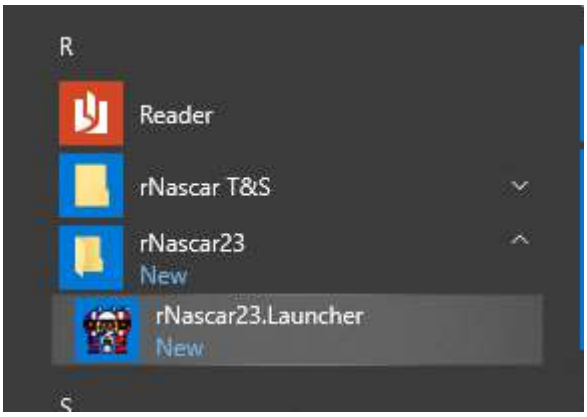
Quick Start

The installer is available on GitHub. Open this page in your browser and select the most current release (not patch):

https://github.com/RRoberts4382/rNascar23-Releases/tags

From there, download the rNascar23.msi installer listed under 'Assets' and run it to install the program on your computer.

The installer will create a new entry in your start menu named rNascar23.Launcher:

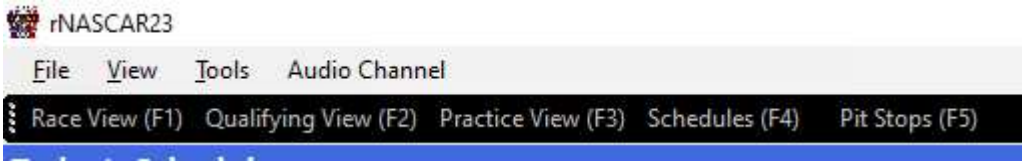


Click this shortcut to run the program.

Note: This program does not collect any user data or display any advertisements. All network communications are requests for incoming data, no data whatsoever is transmitted out.

Main Buttons and Menus

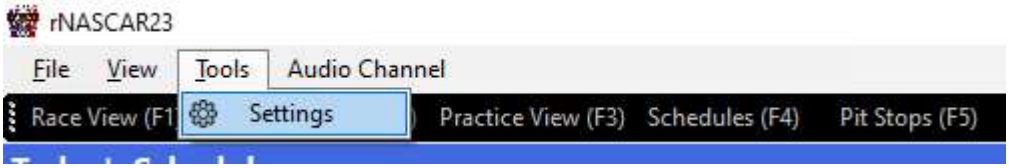
The application provides three customizable views for Race, Qualifying, and Practice sessions. The main leaderboard is displayed on each of these views, but the other grids may be selected in the User Options form so you can set up each view to display the information that you are most interested in. You select the view to display by clicking on one of the view buttons at the upper left of the screen:



You may also select a view by pressing the corresponding shortcut key on your keyboard, (F1 for Race, F2 for Qualifying, and F3 for Practice). The Schedules and Pit Stops views are also available from here, by clicking on the buttons or pressing the shortcut keys on the keyboard, (F4 for Schedules and F5 for Pit Stops).

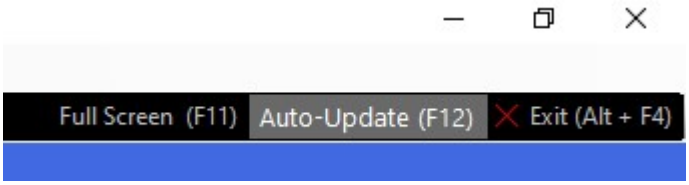
The View menu item at the very top will let you open the log file for the program. The information in the log file is helpful if you are reporting an issue with the program.

The Tools menu will let you open the User Settings dialog. This is where you can set which grids are displayed on each view, select light or dark themes, select M.P.H versus lap times for some of the grids, and pick your favorite drivers to be highlighted in the leaderboard.:



The Audio Channel menu opens the Audio dialog, which will let you select from the available audio channels for the event and listen to them, (for example, selecting a driver to listen to their in-car audio, or the radio broadcast of the event, or the NASCAR officials channel).

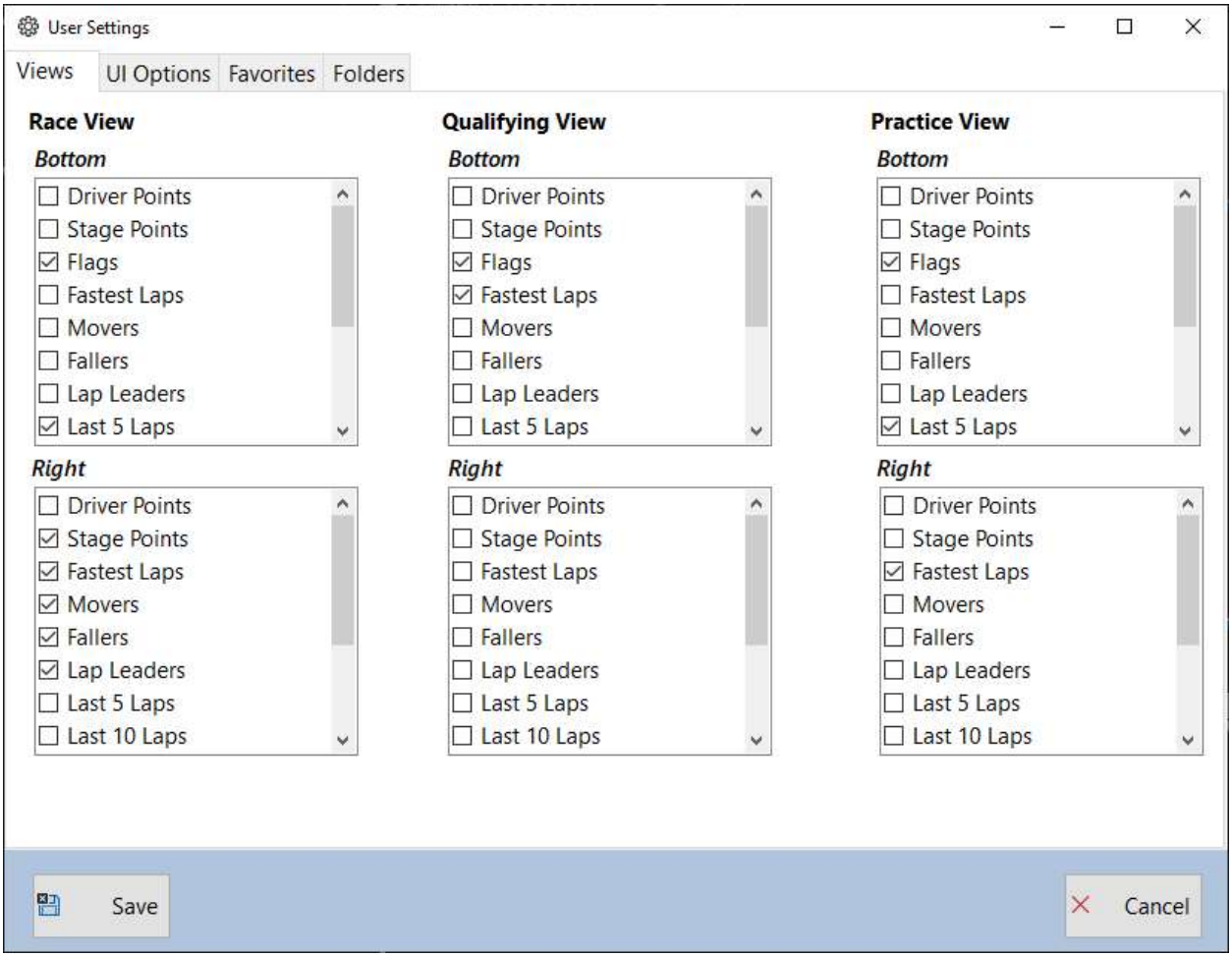
The buttons on the upper right of the application let you display the application as full-screen, turn on the automatic data updates, and exit the application. These also have shortcut keys.



You need to turn on the automatic updates when an event is live, so that the application can read and display new data as it becomes available from NASCAR. The button turns green when it is on.

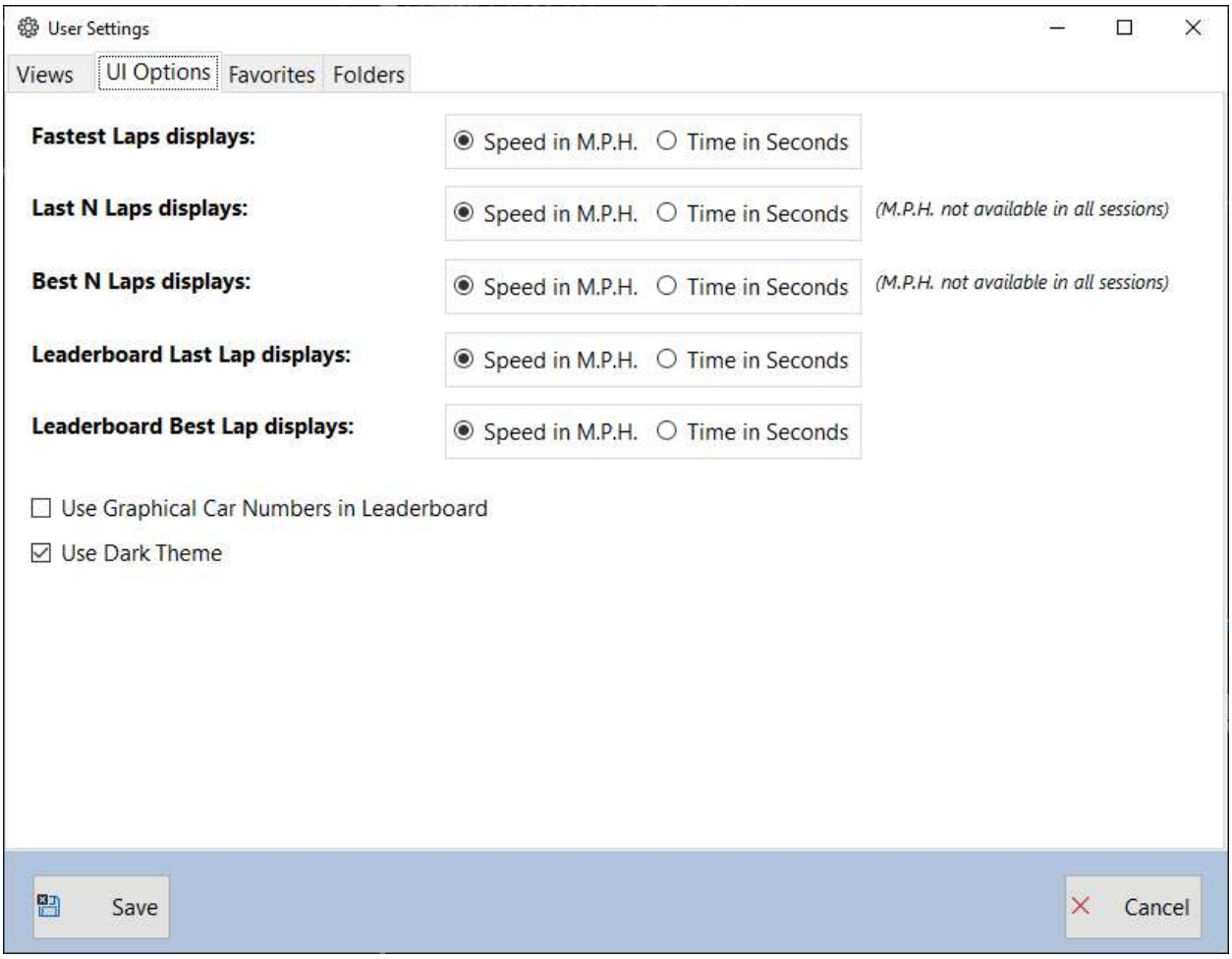
User Settings

The User Settings form lets you customize the main views, set time versus speed display options, and select your favorite drivers. When you open the User Settings dialog, the first tab displayed is the Views tab.



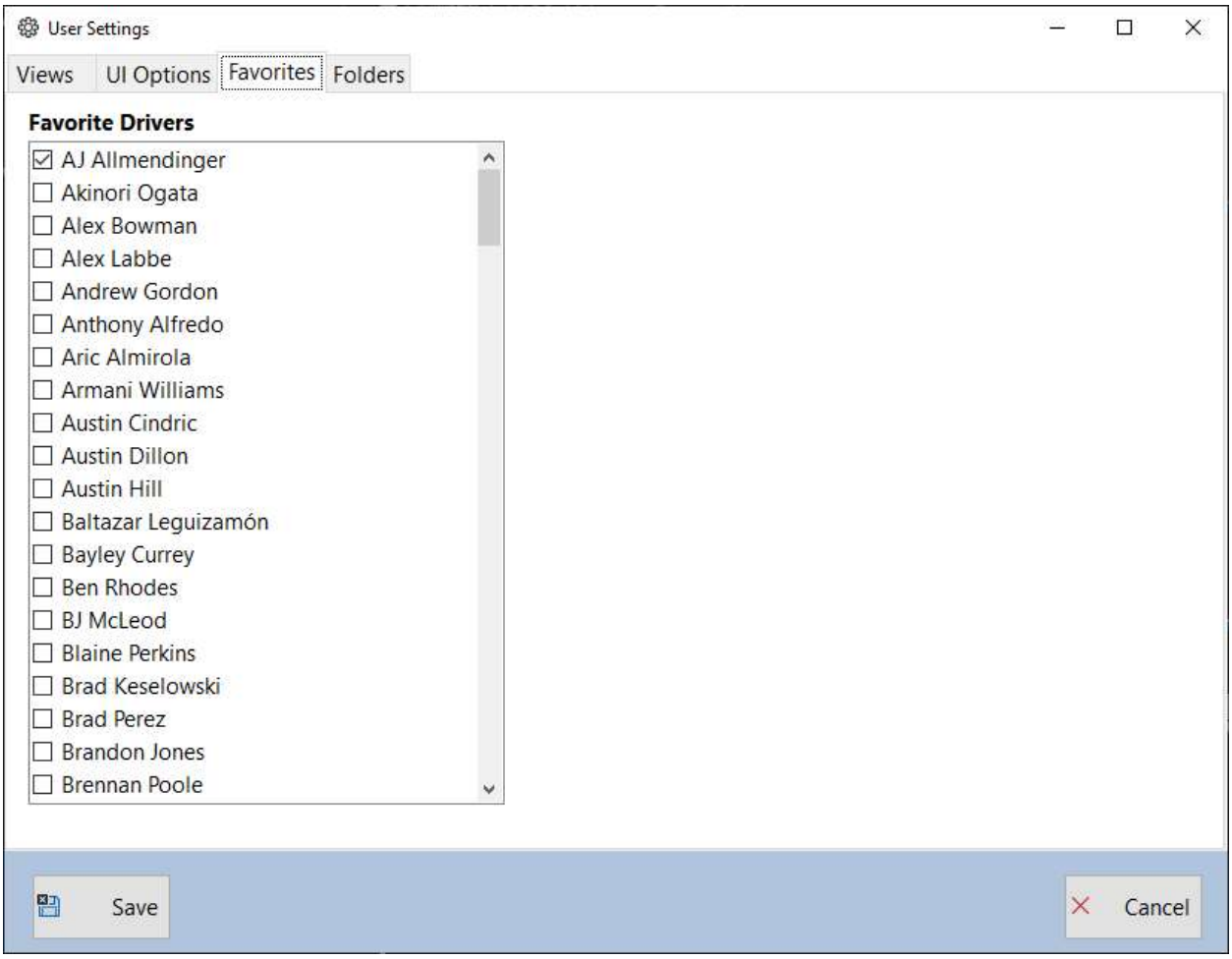
For each view, you can select which grids appear on the right and bottom of the main leaderboard. A grid cannot appear in both the right and bottom of the same view, it must be one or the other. Because of the sizes, the 'Flags' grid and the 'Key Moments' grid work best on the bottom.

The UI Options tab lets you specify speed versus time for a few of the grids, and for the main leaderboard's Last Lap and Best Lap columns.



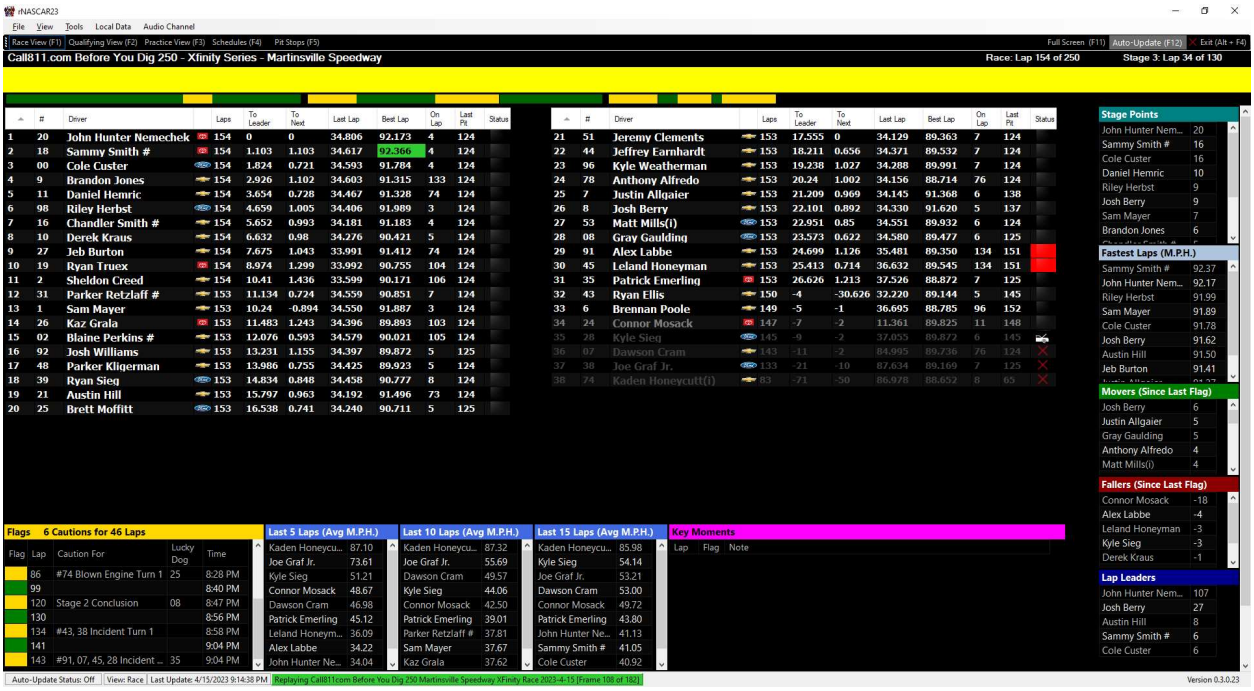
This tab also lets you specify whether or not to use graphical car numbers in the leaderboard, and whether you want to use a light or dark theme for the application.

The Favorites tab lets you select your favorite drivers, which will highlight them in the leaderboard on the main views.



Main Views

The three main views, (Race, Qualifying, and Practice), display a leaderboard and whatever grids you have selected from the User Settings dialog.



The bar at the top, (yellow in this image), displays the current flag status for the event. Blue means that there is no active event, and orange means that the track is hot in preparation for an event.

Just below the flag status bar is a Green/Yellow indicator bar, that displays the green and yellow flag segments of the race.

User Selected Grids

Flags

The Flags grid displays the flags that have been displayed during the event.

Flags 6 Cautions for 46 Laps

Flag	Lap	Caution For	Lucky Dog	Time
	86	#74 Blown Engine Turn 1	25	8:28 PM
	99			8:40 PM
	120	Stage 2 Conclusion	08	8:47 PM
	130			8:56 PM
	134	#43, 38 Incident Turn 1		8:58 PM
	141			9:04 PM
	143	#91, 07, 45, 28 Incident ...	35	9:04 PM

The 'Caution For' column displays a comment indication the reason for the caution, if one is provided in the data.

Key Moments

The Key Moments grid displays brief summaries of key moments in the event. These summaries are generated by NASCAR, and may not be sent out for all event sessions.

Key Moments

Lap	Flag	Note
231		#20 leads the restart on the inside, #00 outside. #18 chooses the inside and drops to 3rd.
240		With 10 to go, #20 leads #00 by .6 seconds
246		#25 up 6 places and into the top 10 since the restart
250		#20 takes the win and $100K Dash 4 Cash bonus. #2 spun around on the back stretch after running 12th after contact with #19. #18 did a bump and run on #00 to take second on the final corner. #20 car catches on fire doing burnouts.

Best/Last N Laps Grids

These grids display the Best 5, 10, and 15 lap averages, and the Last 5, 10, and 15 lap averages.

Last 5 Laps (Avg M.P.H.)		Last 10 Laps (Avg M.P.H.)		Last 15 Laps (Avg M.P.H.)		Best 5 Laps (Avg M.P.H.)		Best 10 Laps (Avg M.P.H.)		Best 15 Laps (Avg M.P.H.)	
Josh Berry	89.40	Josh Berry	89.60	John Hunter Ne...	89.90	Sammy Smith #	92.31	John Hunter Ne...	91.85	John Hunter Ne...	91.44
John Hunter Ne...	89.27	John Hunter Ne...	89.58	Josh Berry	89.75	John Hunter Ne...	92.20	Sammy Smith #	91.66	Sammy Smith #	91.25
Brandon Jones	89.22	Brandon Jones	89.49	Brandon Jones	89.56	Riley Herbst	92.07	Cole Custer	91.51	Cole Custer	91.14
Daniel Hemric	88.96	Sammy Smith #	89.37	Sammy Smith #	89.55	Sam Mayer	91.99	Riley Herbst	91.47	Riley Herbst	91.04
Sammy Smith #	88.92	Cole Custer	89.04	Cole Custer	89.51	Cole Custer	91.94	Sam Mayer	91.40	Sam Mayer	90.97
Justin Allgaier	88.59	Justin Allgaier	88.89	Justin Allgaier	89.01	Josh Berry	91.82	Josh Berry	91.33	Josh Berry	90.91
Derek Kraus	88.31	Daniel Hemric	88.72	Daniel Hemric	88.97	Chandler Smith #	91.32	Chandler Smith #	91.10	Chandler Smith #	90.89
Cole Custer	88.19	Derek Kraus	88.31	Derek Kraus	88.71	Justin Allgaier	91.25	Justin Allgaier	91.03	Justin Allgaier	90.76

This data is not available in all sessions. For some sessions, only the Best 1, 10, and 15 lap data is displayed, and defaults to lap time in seconds, no matter what your user settings are configured for.

If a driver has not completed 5, 10, or 15 consecutive laps, they will not appear in the corresponding grid.

Stage Points

The Stage Points grid displays the stage points earned by drivers in the current event. This grid is only updated during Race sessions.

Stage Points	
John Hunter Nem...	20
Sammy Smith #	16
Cole Custer	16
Daniel Hemric	10
Riley Herbst	9
Josh Berry	9
Sam Mayer	7
Brandon Jones	6

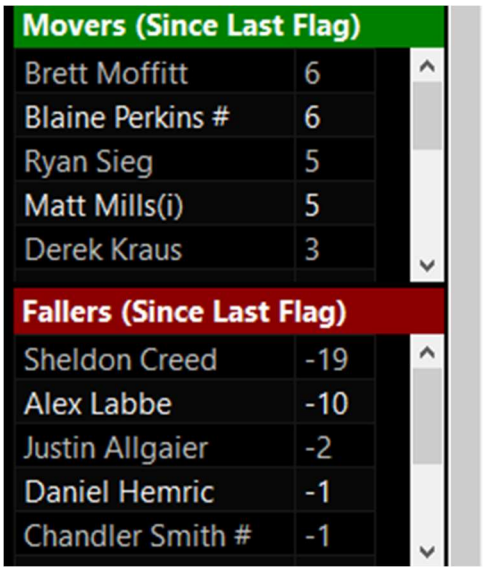
Fastest Laps

The Fastest Laps grid displays the fastest laps recorded in the current event or session.

Fastest Laps (M.P.H.)	
Sammy Smith #	92.37
John Hunter Nem...	92.27
Riley Herbst	92.00
Sam Mayer	91.89
Cole Custer	91.88
Josh Berry	91.62
Austin Hill	91.50
Jeb Burton	91.41

Movers/Fallers Grids

The Movers and Fallers grids display the drivers who have gained or lost the most positions since the last flag was displayed.



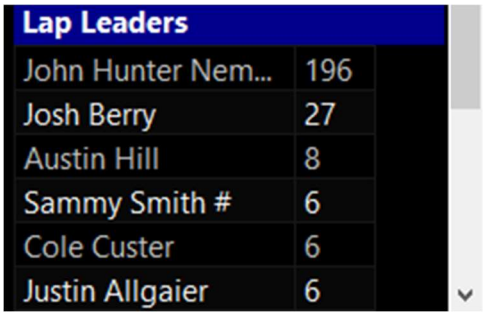
Movers (Since Last Flag)	
Brett Moffitt	6
Blaine Perkins #	6
Ryan Sieg	5
Matt Mills(i)	5
Derek Kraus	3

Fallers (Since Last Flag)	
Sheldon Creed	-19
Alex Labbe	-10
Justin Allgaier	-2
Daniel Hemric	-1
Chandler Smith #	-1

For example, when a caution comes out, these values reset back to zero, so you can see who gains or loses the most positions during the round of pit stops. Once the green flag is displayed again, these values reset to zero again, so you can see who gains or loses the most positions since going back green.

Lap Leaders

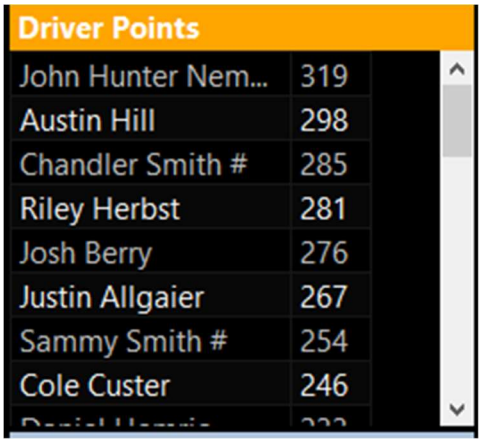
The lap leaders grid displays the drivers who have led a lap in the current race. This grid only has data during Race sessions.



Lap Leaders	
John Hunter Nem...	196
Josh Berry	27
Austin Hill	8
Sammy Smith #	6
Cole Custer	6
Justin Allgaier	6

Driver Points

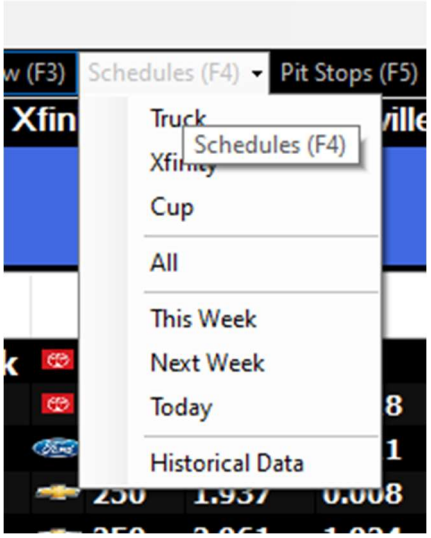
The Driver Points grid displays the points standings for the series in the current active event.



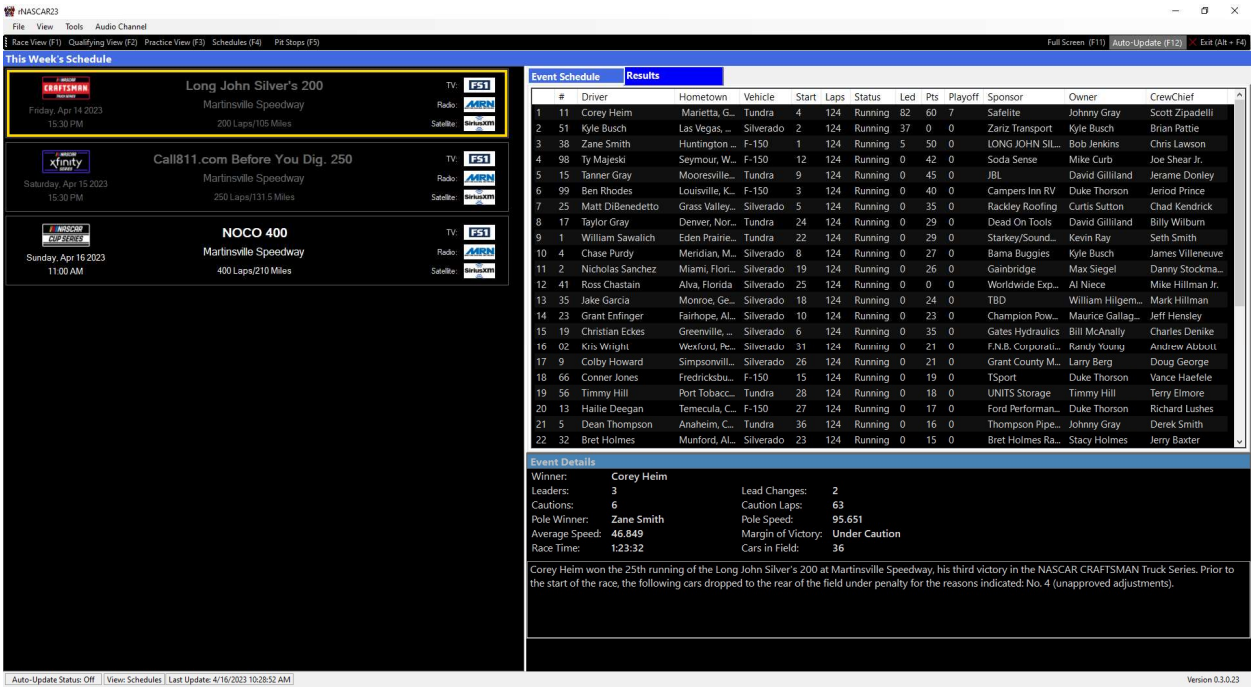
Driver Points	
John Hunter Nem...	319
Austin Hill	298
Chandler Smith #	285
Riley Herbst	281
Josh Berry	276
Justin Allgaier	267
Sammy Smith #	254
Cole Custer	246

Schedule View

The schedule view is available by clicking the Schedules button at the top of the program, and selecting which series or date range you want to see the schedules for.

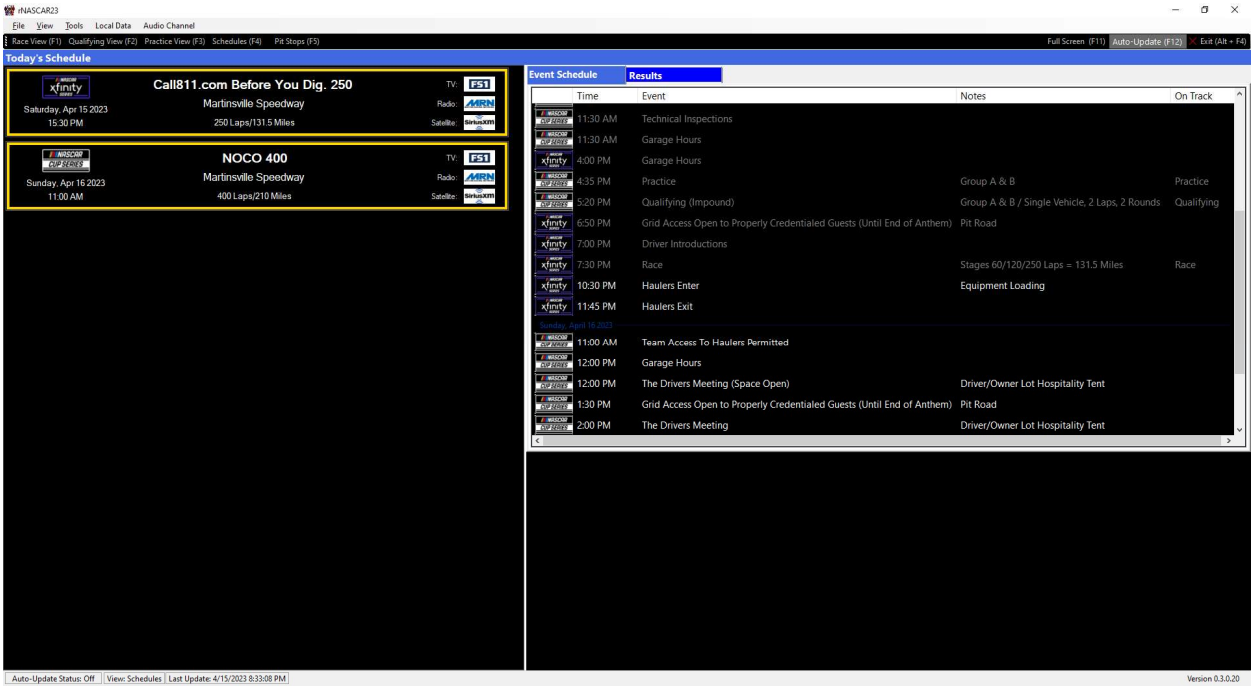


The list of events for the selected schedule is displayed on the left, and the first event is selected by default. (The selected event has a yellow border.)



If the event is complete, the results and details for the selected event are displayed on the right.

If the event is not complete, the schedule of event activities is displayed on the right.

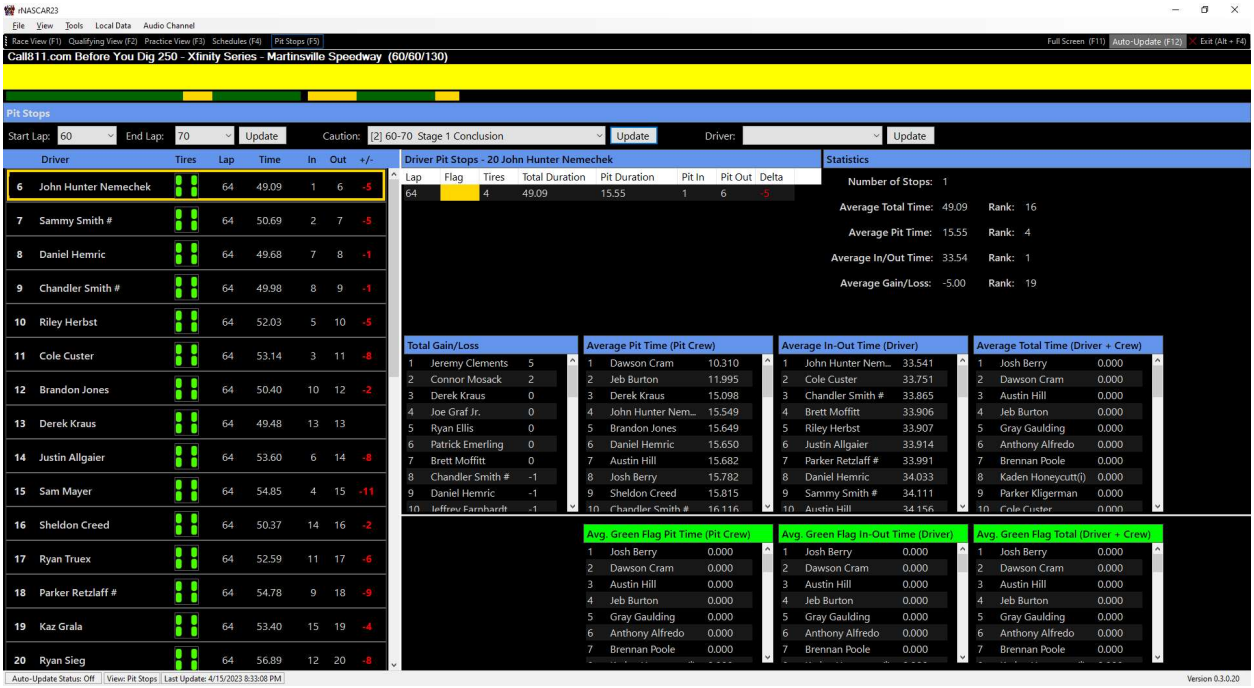


You may select more than one event to see the combined activities for them on the right. To select multiple events, just hold the left CTRL key while you click the events on the left.

The list of event activities are typically available for a couple of events in the future. Events three or more weeks ahead may not have and activities in the data from NASCAR yet.

Pit Stops View

The pit stops view displays data about the pit stops the drivers have made during the event, and is only available during Race events.



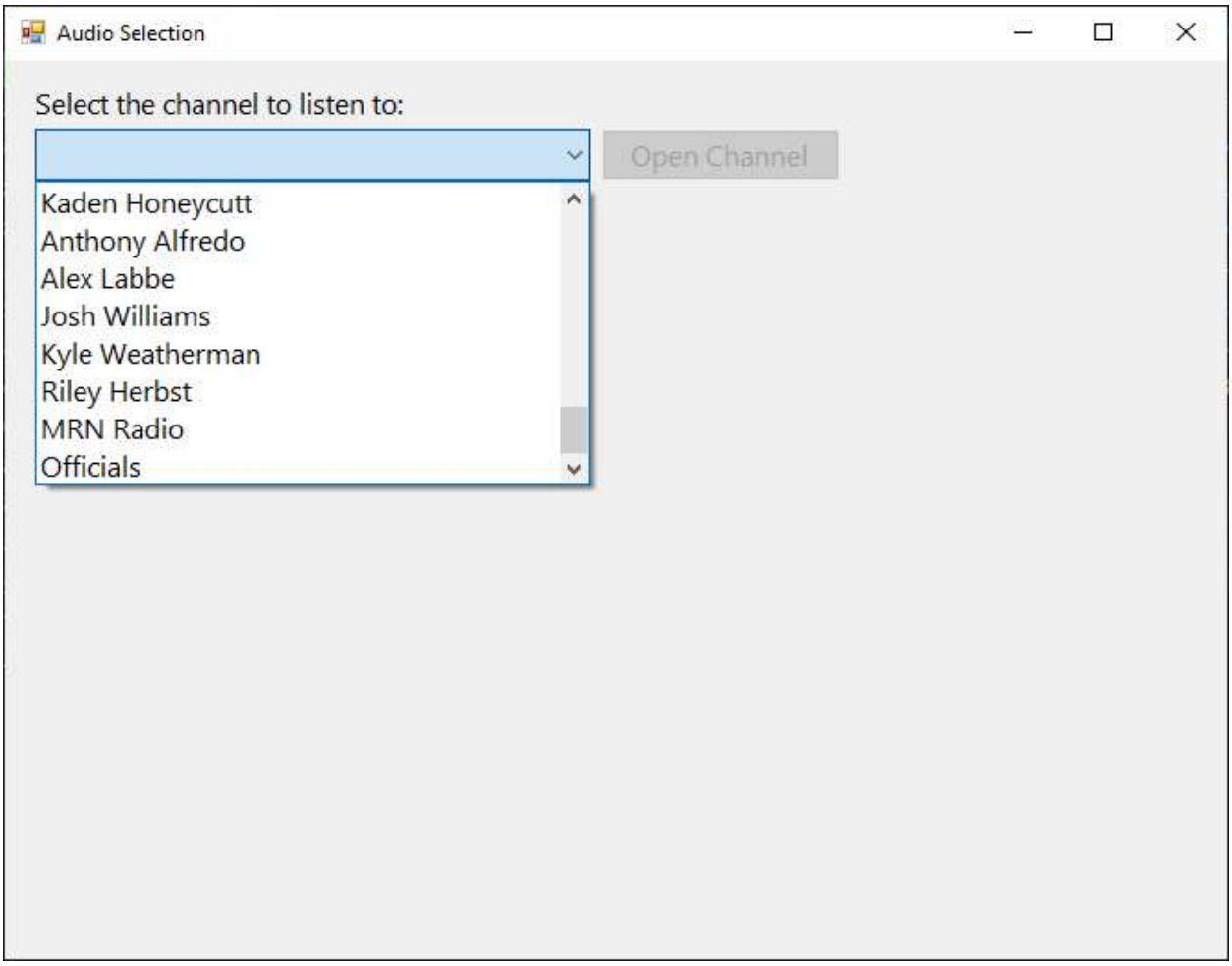
Once you open this view, you need to click one of the 'Update' buttons to populate the lists.

You can select from a range of laps, or select a specific caution period, or select a specific driver.

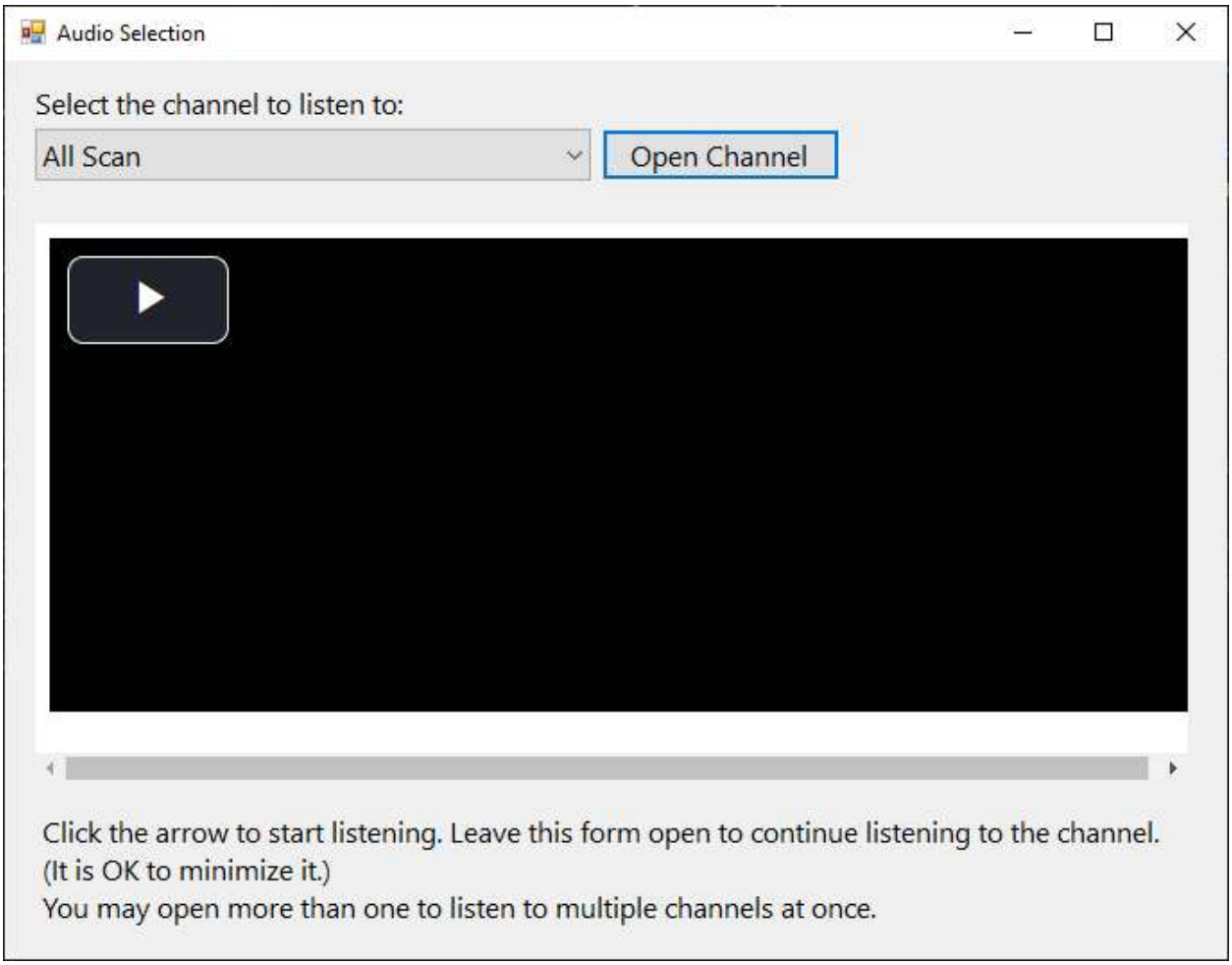
Audio Channels

The audio channels dialog lets you listen to drivers, officials, or the radio broadcast during a session, if they are available.

When you open the form by clicking the Audio Channels menu at the top of the main form, the Audio Channels dialog will be displayed, and lets you select the channel to listen to.



Select a channel, then click the 'Open Channel' button. This will load the channel in the audio player.



Click the arrow in the player, and the audio channel will be opened and playing. It may take a moment to hear anything if there is no conversation on the channel.

To continue listening to the audio channel, just minimize the Audio Channel dialog. Closing this dialog will close the channel and it will stop playing.

You may have multiple channels open at once if you like. Just open another Audio Channel dialog from the menu on the main form and minimize them once you have opened the channel and started playing it.