



Rally Bonus Planner

From creating your account to exporting a GPX file — a rider's guide to every feature



1

Getting Started

Create your account, set up your rider profile and motorcycle, and learn how the app is organized.



Creating an account

- From the sign-in screen, click Need an account? Sign up
- Enter your email, a password, and your display name, then click Sign up
- You're signed in immediately and dropped into the app with an empty rally list
- New accounts start as a regular rider — an existing admin can promote you later if you need admin access

A screenshot of a web form titled "Create your account" with the subtitle "Sign up as a rider". The form contains three input fields: "Email", "Password", and "Name". Below the fields is a blue "Sign up" button. At the bottom, there is a link that says "Already have an account? Sign in · Forgot password?". The form is centered on a light gray background.

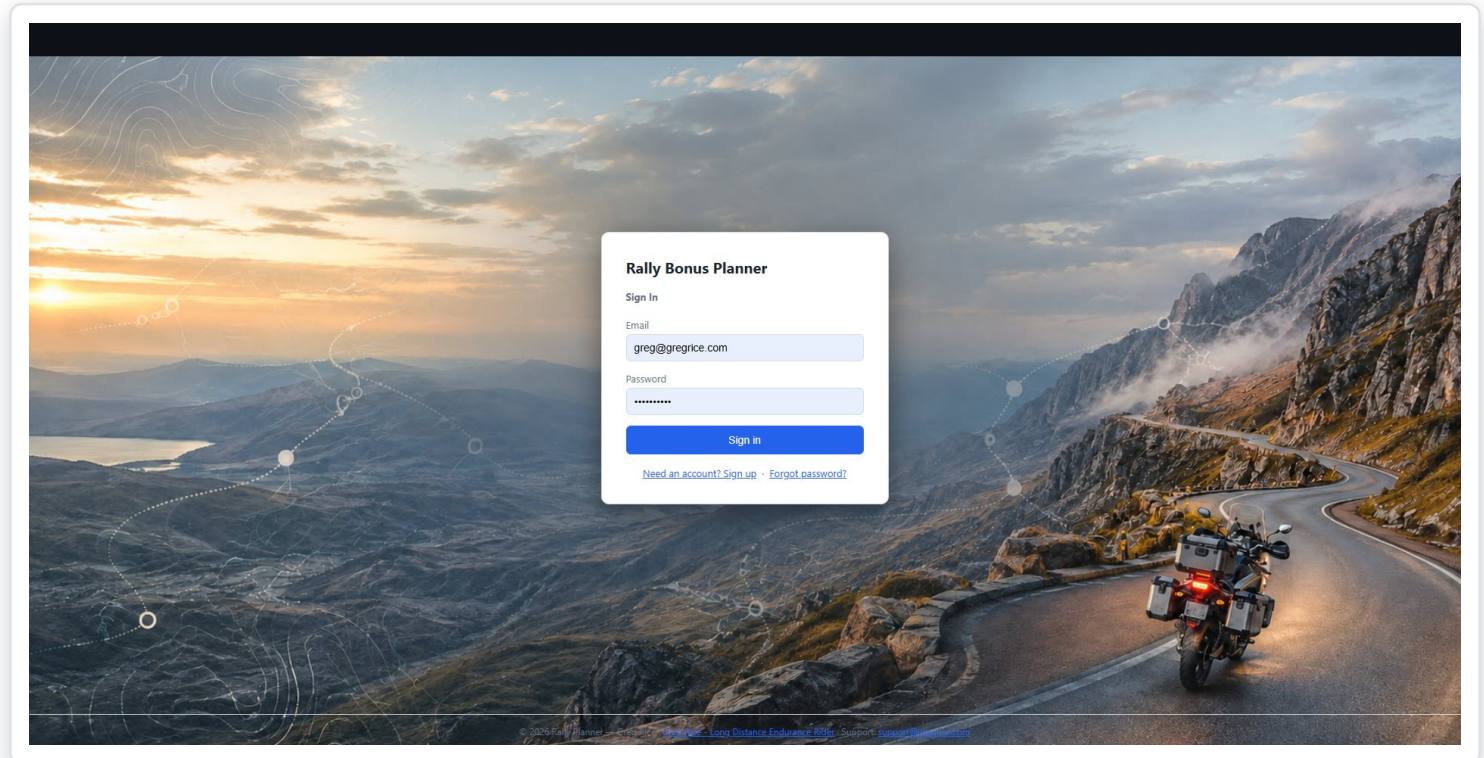
The sign-up form — email, password, and display name are all that's required.



GETTING STARTED

Signing in

- Enter your email and password on the sign-in screen and click Sign in
- Forgot your password? Use the Forgot password? link to request a reset email
- Sessions stay active across browser restarts — you generally only sign in once per device
- Every sign-in shows a Welcome popup with a standing reminder about imported data



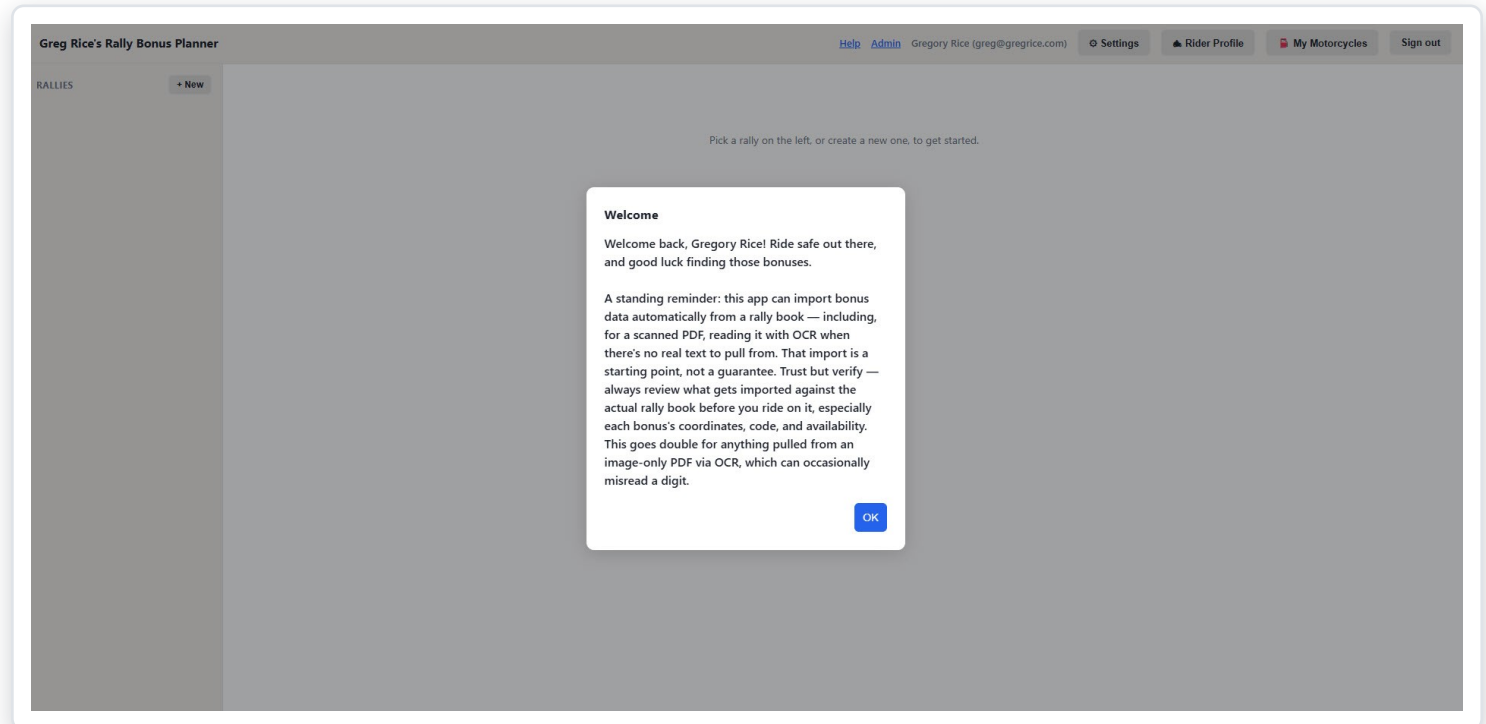
The sign-in screen.



GETTING STARTED

Trust, but verify

- Every sign-in greets you by name with a standing reminder, not a one-time notice
- Anything the app imports automatically — especially OCR'd data from a scanned rally-book PDF — is a starting point, not a guarantee
- Always double-check an imported bonus's coordinates, code, and availability against the actual rally book before you ride on it
- Click OK to dismiss it and get to your rally list

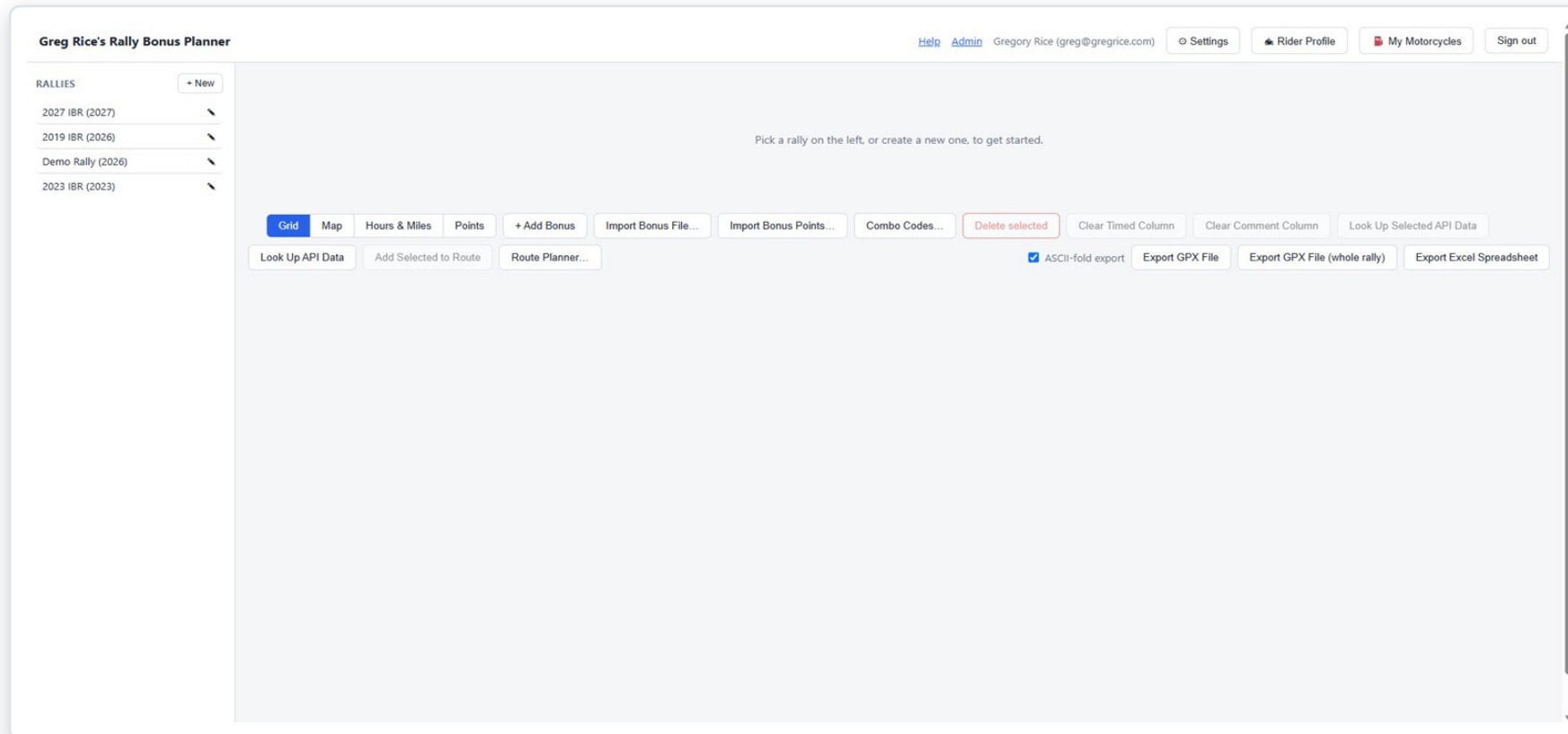


The Welcome popup — a "trust but verify" reminder every sign-in.



How the app is organized

- Rallies — the top-level events you're planning for, e.g. "2027 Iron Butt Rally." Click + New to add one.
- Legs — appear once you select a rally. Each leg is a segment with its own start/end time, used to calculate sunrise/sunset.
- Bonuses — appear once you select a leg, in the grid on the right. This is where you'll spend most of your time.



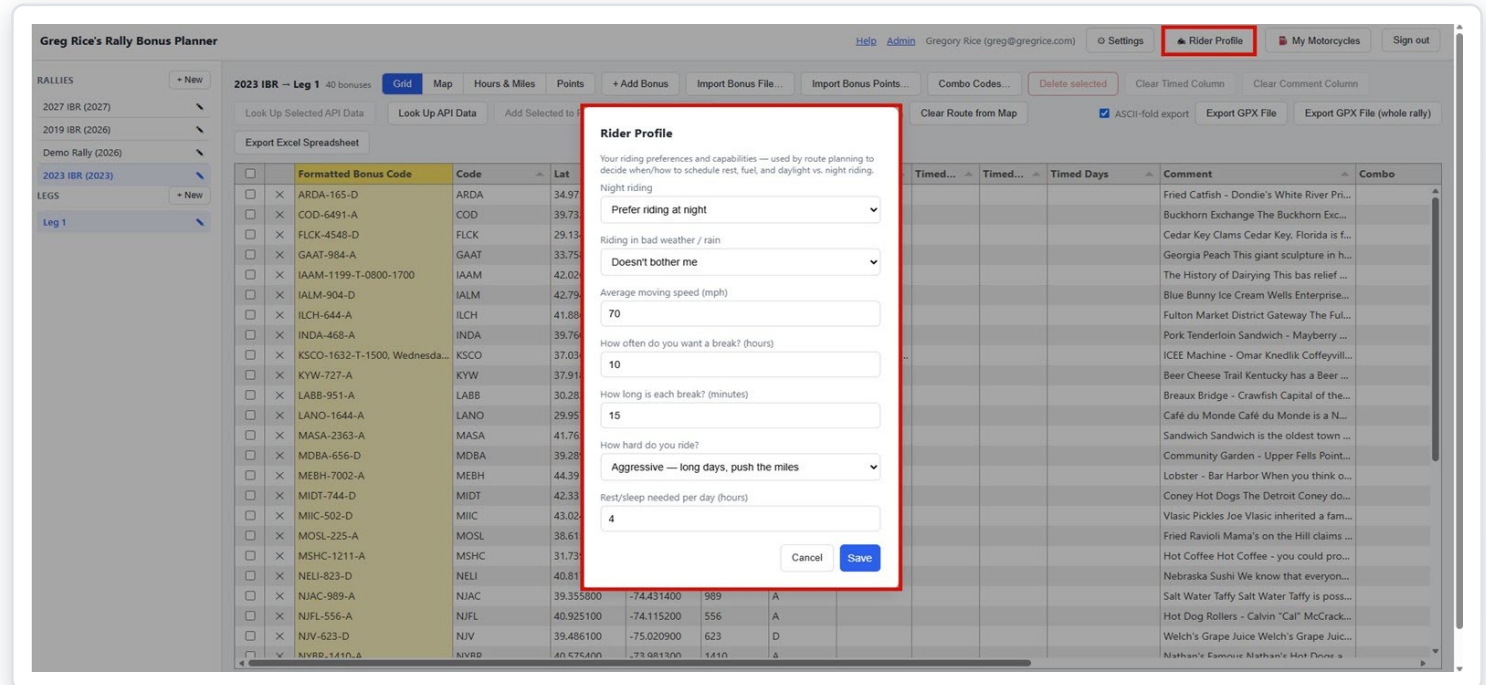
Selecting a rally reveals its legs; selecting a leg loads its bonuses into the grid.



GETTING STARTED

Rider profile

- Click  Rider Profile in the header to record how you like to ride
- Night-riding and bad-weather tolerance, average moving speed, rest-stop habits, daily mileage intensity, and sleep needs
- Saved once to your account — not per rally — and feeds Build Route Schedule and  AI Suggested Route
- Completely optional: leave the defaults if you'd rather not fill it in



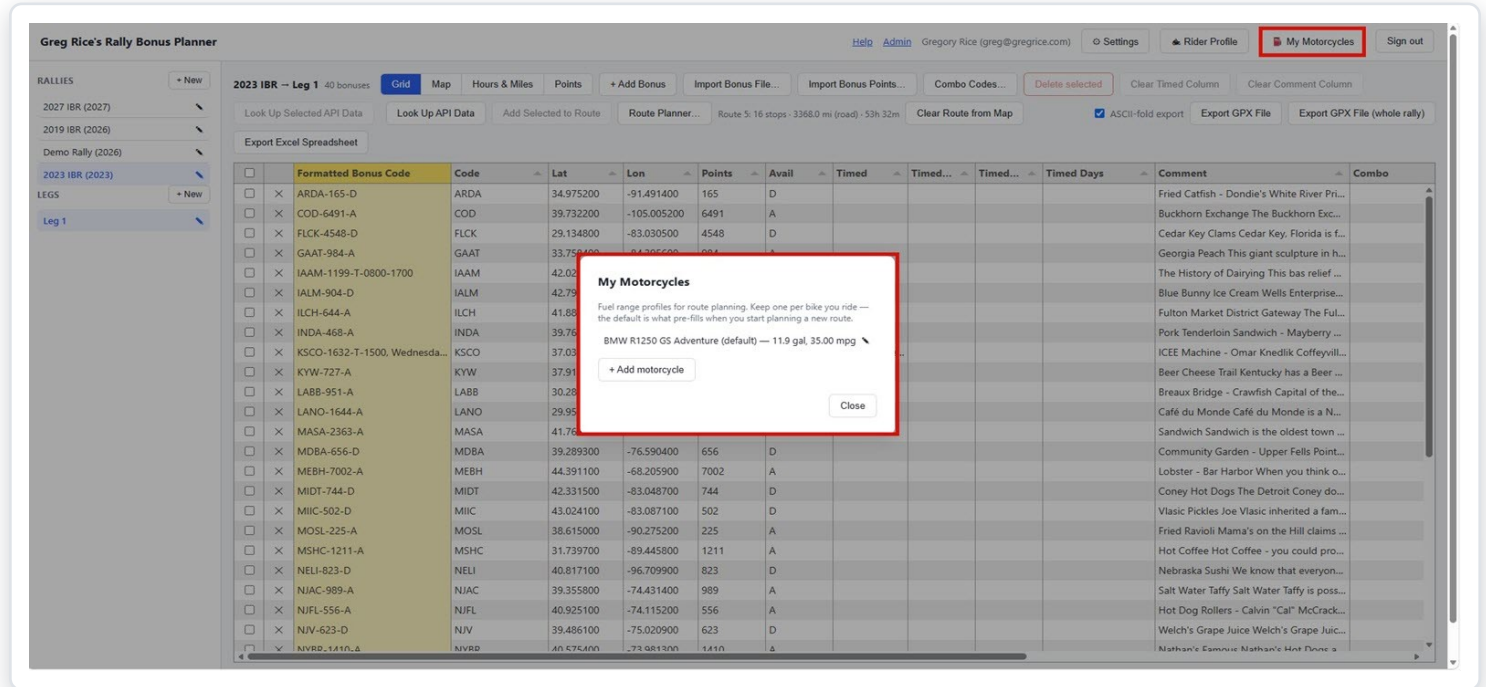
The Rider Profile dialog, opened from the header.



GETTING STARTED

My motorcycles

- Click  My Motorcycles in the header to keep one or more fuel-range profiles
- Main + auxiliary tank capacity, average fuel consumption, reserve, and a safety-buffer percentage
- Mark one Default motorcycle and it pre-fills automatically when you start planning a new route
- Every field follows your Units setting — imperial shows gallons/MPG, metric shows liters/L per 100 km



The screenshot shows the 'Greg Rice's Rally Bonus Planner' web application. The 'My Motorcycles' modal window is open, displaying a list of motorcycles with their details. The modal has a title 'My Motorcycles' and a description: 'Fuel range profiles for route planning. Keep one per bike you ride — the default is what pre-fills when you start planning a new route.' Below this, it shows 'BMW R1250 GS Adventure (default) — 11.9 gal, 35.00 mpg' with a dropdown arrow. There is an '+ Add motorcycle' button and a 'Close' button.

Formatted Bonus Code	Code	Lat	Lon	Points	Avail	Timed	Timed...	Timed...	Timed Days	Comment	Combo
☐ X ARDA-165-D	ARDA	34.975200	-91.491400	165	D					Fried Catfish - Dondie's White River Pri...	
☐ X COD-6491-A	COD	39.732200	-105.005200	6491	A					Buckhorn Exchange The Buckhorn Exc...	
☐ X FLCK-4548-D	FLCK	29.134800	-83.030500	4548	D					Cedar Key Clams Cedar Key, Florida is f...	
☐ X GAAT-984-A	GAAT	33.750400	-84.305500	984	A					Georgia Peach This giant sculpture in h...	
☐ X IAAM-1199-T-0800-1700	IAAM	42.02...								The History of Dairying This bas relief ...	
☐ X IALM-904-D	IALM	42.75...								Blue Bunny Ice Cream Wells Enterprise...	
☐ X ILCH-644-A	ILCH	41.88...								Fulton Market District Gateway The Ful...	
☐ X INDA-468-A	INDA	39.76...								Pork Tenderloin Sandwich - Mayberry...	
☐ X KSCO-1632-T-1500, Wednesda...	KSCO	37.03...								ICEE Machine - Omar Knedlik Coffeyvill...	
☐ X KYW-727-A	KYW	37.91...								Beer Cheese Trail Kentucky has a Beer ...	
☐ X LABB-951-A	LABB	30.28...								Breaux Bridge - Crawfish Capital of the...	
☐ X LANO-1644-A	LANO	29.95...								Café du Monde Café du Monde is a N...	
☐ X MASA-2363-A	MASA	41.76...								Sandwich Sandwich is the oldest town ...	
☐ X MDBA-656-D	MDBA	39.289300	-76.590400	656	D					Community Garden - Upper Fells Point...	
☐ X MEBH-7002-A	MEBH	44.391100	-68.205900	7002	A					Lobster - Bar Harbor When you think o...	
☐ X MIDT-744-D	MIDT	42.331500	-83.048700	744	D					Coney Hot Dogs The Detroit Coney do...	
☐ X MIIC-502-D	MIIC	43.024100	-83.087100	502	D					Viatic Pickles Joe Viatic inherited a fam...	
☐ X MOSL-225-A	MOSL	38.615000	-90.275200	225	A					Fried Ravioli Mama's on the Hill claims ...	
☐ X MSHC-1211-A	MSHC	31.739700	-89.445800	1211	A					Hot Coffee Hot Coffee - you could pro...	
☐ X NELI-823-D	NELI	40.817100	-96.709900	823	D					Nebraska Sushi We know that everyon...	
☐ X NIAC-989-A	NIAC	39.355800	-74.431400	989	A					Salt Water Taffy Salt Water Taffy is poss...	
☐ X NIJL-556-A	NIJL	40.925100	-74.115200	556	A					Hot Dog Rollers - Calvin "Cal" McCrack...	
☐ X NIJW-623-D	NIJW	39.486100	-75.020900	623	D					Welch's Grape Juice Welch's Grape Juic...	
☐ X NVRD-1417-A	NVRD	40.676400	-73.981300	1417	A					Nathan's Famous Nathan's Hot Flame a...	

One row per bike, with its usable range and MPG at a glance.



GETTING STARTED

Motorcycles feed your fuel range

- Click a motorcycle to edit it, or + Add motorcycle for another
- Picking a bike for a route fills in Fuel range automatically: usable tank capacity × MPG, minus your safety buffer
- You can still type over that number yourself any time
- Optional, like the rider profile — the route planner's Fuel range field works fine without picking a bike here

Edit motorcycle

Name

Main tank (gallons)

Auxiliary tank (gallons)

Average MPG

Fuel reserve (gallons kept in reserve, never planned below)

Safety buffer (% of range held back)

☒ Default motorcycle

DeleteCancelSave

Editing a motorcycle profile — Default marks the one that pre-fills new routes.



2

Rallies, Legs & Bonuses

Build the rally → leg → bonus structure, then import or enter the bonuses you'll ride.



RALLIES & LEGS

Creating a rally

- Click + New above the rally list
- Give it a name and, optionally, a year and notes, then Save
- Year defaults to the current year but can be changed
- To edit or delete later, click the ✎ next to its name — deleting a rally also deletes all its legs and bonuses (confirmation required)

New rally

Name

Year

Notes

Required rest/lunch rules for this rally (922) — leave blank for "not required." Any leg can override these individually.

Rest stop every (hours)

Rest stop duration (minutes)

Rest window start

Rest window end

Optional — if set, the mandatory rest stop above must start within this clock-time window (e.g. 11:00 PM–4:00 AM); it still runs its full required duration even if that extends past the window's end. Leave both blank for no window (rest starts the moment it's due). Both fields need a value for the window to apply.

☐ Required every day (incl. day 1)

When checked, the rest stop is required once per calendar day (starting the rally's first day), landing inside the window above, instead of the hours-based interval above — a rest window is required for this to take effect. A rally uses one mode or the other for rest, never both.

Lunch break every (hours)

Lunch break duration (minutes)

Lunch window start

Lunch window end

Optional, same idea as the rest window but for lunch (typically daytime, e.g. 11:00 AM–4:00 PM) — independent of the rest window above, and a rest stop and a lunch stop are never combined into one even if both happen to be due at the same time; whichever's window opens sooner goes first.

☐ Required every day (incl. day 1)

Same idea as the rest "required every day" option above, but for lunch — requires its own lunch window to take effect.

The New rally dialog.



Creating a leg

- With a rally selected, click + New above the leg list
- Give it a name and a start/end date-time — this unlocks sunrise/sunset lookups for every bonus on that leg
- Start location and End location fields save the hotel a leg begins/ends at — type an address and click Look up
- A leg's saved end location auto-fills the next leg's start location, so you're not retyping the same hotel

The 'New leg' dialog box is a vertical form with a title bar at the top. It contains the following fields and controls:

- Name:** A text input field.
- Start:** A date-time picker with a format of 'mm/dd/yyyy --:-- --' and a calendar icon.
- End:** A date-time picker with a format of 'mm/dd/yyyy --:-- --' and a calendar icon.
- Daylight saving in effect:** A checked checkbox.
- Overrides of the rally's rest/lunch rules (R2) — leave blank to inherit the rally's value for that field.** A section header.
- Rest stop every (hours):** A text input field with 'rally default'.
- Rest stop duration (minutes):** A text input field with 'rally default'.
- Rest window start:** A time picker with a format of '--:-- --' and a clock icon.
- Rest window end:** A time picker with a format of '--:-- --' and a clock icon.
- Optional — If set, the mandatory rest stop above must start within this clock-time window; it still runs its full required duration even if that extends past the window's end. Leave both blank to inherit the rally's window (or "no window" if the rally has none set).** A descriptive text block.
- Rest required every day:** A dropdown menu with 'Same as rally' selected.
- Lunch break every (hours):** A text input field with 'rally default'.
- Lunch break duration (minutes):** A text input field with 'rally default'.
- Lunch window start:** A time picker with a format of '--:-- --' and a clock icon.
- Lunch window end:** A time picker with a format of '--:-- --' and a clock icon.
- Optional — same idea as the rest window but for lunch. Leave both blank to inherit the rally's lunch window (or "no window" if the rally has none set).** A descriptive text block.
- Lunch required every day:** A dropdown menu with 'Same as rally' selected.
- Buttons:** 'Cancel' and 'Save' buttons at the bottom right.

The New leg dialog — Start/End are optional but unlock sunrise/sunset lookups.



The bonus grid

- Selecting a leg loads its bonuses into a spreadsheet-style grid — click any cell to edit it in place
- Changes save automatically — watch the small save indicator next to your name in the header
- Columns reorder, sort, and resize; scroll right for Sunrise, Sunset, Address, and Symbol
- Formatted Bonus Code updates automatically as you edit — the CODE-POINTS-AVAIL-TIMED name used in GPX exports

Greg Rice's Rally Bonus Planner

Help Admin Gregory Rice (greg@gregrice.com) Settings Rider Profile My Motorcycles Sign out

RALLIES + New

2027 IBR (2027) ↕

2019 IBR (2026) ↕

54 - 40 (2026) ↕

Demo Rally (2026) ↕

2025 IBR (2025) ↕

2023 IBR (2023) ↕

2021 SBR (2021) ↕

LEGS + New

Leg 1 ↕

Leg 2 ↕

Leg 3 ↕

2019 IBR -- Leg 1 61 bonuses Grid Map Hours & Miles Points + Add Bonus Import Bonus File... Import Bonus Points... Combo Codes... Route Options... Delete selected Clear Timed Column

Clear Comment Column Look Up Selected API Data Clear Selection Look Up API Data Add Selected to Route Route Planner...

Export Excel Spreadsheet

Export GPX File Export GPX File (whole rally)

			Formatted Bonus Code	Code	Lat	Lon	Points	Avail	Timed		Comment	Combo	TZ	Sunrise	Sunset
☐	☐	☐	ADLER-612-D	ADLER	41.858100	-87.616000	612	D					-6	4:40 AM	
☐	☐	☐	ALIEN-1650-D	ALIEN	37.647200	-115.745000	1650	D				MISS1, Rio1	-8	4:44 AM	
☐	☐	☐	BLCYN-853-D	BLCYN	38.580600	-107.716300	853	D					-7	5:09 AM	
☐	☐	☐	BTH-1022-A	BTH	45.522200	-108.862400	1022	A					-7	4:55 AM	
☐	☐	☐	BWLOK-1000-T-10-18	BWLOK	36.961100	-81.101500	1000	T	10-18				-5	5:27 AM	
☐	☐	☐	CHMNY-265-D	CHMNY	41.718300	-103.331800	265	D							
☐	☐	☐	CHRCK-179-T-8-5	CHRCK	35.439800	-82.248500	179	T	8-5						
☐	☐	☐	CREEDE-2103-A	CREEDE	37.848000	-106.925600	2103	A							
☐	☐	☐	CROCK-244-T	CROCK	38.842300	-100.170100	244	T					-6	5:38 AM	
☐	☐	☐	CRYST-906-T-9-17	CRYST	42.433800	-90.620500	906	T	9-17			COLO1, COLO2			
☐	☐	☐	CULV-211-D	CULV	41.219000	-86.417000	211	D					-5	5:37 AM	
☐	☐	☐	DAUP-751-T-9-17	DAUP	30.254200	-88.112400	751	T	9-17			RED1, RED2	-6	5:09 AM	
☐	☐	☐	DELI-803-D	DELI	38.734000	-109.501300	803	D					-7	5:16 AM	
☐	☐	☐	DUNES-101-D	DUNES	41.229400	-101.844900	101	D					-7	4:39 AM	
☐	☐	☐	ELKR-767-D	ELKR	46.857500	-116.396300	767	D							
☐	☐	☐	FAITH-4321-A	FAITH	44.457600	-110.827000	4321	A							
☐	☐	☐	FLAM-8297-A	FLAM	25.142800	-80.923200	8297	A							
☐	☐	☐	FONT-972-G-16	FONT	35.448300	-83.816000	972	G	16		Group Photo - Sunset: 8:54 PM				
☐	☐	☐	FORTMTN-344-D	FORTMTN	34.766100	-84.769600	344	D							
☐	☐	☐	FWF-328-D	FWF	35.707300	-92.961900	328	D							
☐	☐	☐	GNITE-874-D	GNITE	44.809000	-118.423500	874	D							
☐	☐	☐	HURR-5566-D	HURR	47.969500	-123.498200	5566	D							
☐	☐	☐	INGAP-613-D	INGAP	35.608200	-83.826000	613	D							

A leg's bonus grid — column headers all have explanatory tooltips.



Marking a bonus mandatory

- The ★ column marks a bonus you already know you have to ride — one the rally book itself calls mandatory
- This is entirely your own call — the app never sets it automatically, even on import
- Its whole effect is inside 🎯 AI Suggested Route: a starred bonus becomes a hard requirement instead of an optional candidate
- Building a route by hand, Optimize Route, and exports all ignore the star completely

Greg Rice's Rally Bonus Planner

2019 IBR -- Leg 1 61 bonuses

		Formatted Bonus Code	Code	Lat	Lon	Points	Avail	Timed	Comment	Combo	TZ	Sunrise	Sunset
☐	☒	★	ADLER-612-D	ADLER	41.858100	-87.616000	612	D			-6	4:40 AM	
☐	☒	★	ALIEN-1650-D	ALIEN	37.647200	-115.745000	1650	D		MISS1, Rio1	-8	4:44 AM	
☐	☒	★	BLCYN-853-D	BLCYN	38.580600	-107.716300	853	D			-7	5:09 AM	
☐	☒	★	BTH-1022-A	BTH	45.522200	-108.862400	1022	A			-7	4:55 AM	
☐	☒	★	BWLOK-1000-T-10-18	BWLOK	36.961100	-81.101500	1000	T	10-18		-5	5:27 AM	
☐	☒	★	CHMNY-265-D	CHMNY	41.718300	-103.331800	265	D					
☐	☒	★	CHRCR-179-T-8-5	CHRCR	35.439800	-82.248500	179	T	8-5				
☐	☒	★	CREEDE-2103-A	CREEDE	37.848000	-106.925600	2103	A					
☐	☒	★	CROCK-244-T	CROCK	38.842300	-100.170100	244	T			-6	5:38 AM	
☐	☒	★	CRYST-906-T-9-17	CRYST	42.433800	-90.620500	906	T	9-17				
☐	☒	★	CULV-211-D	CULV	41.219000	-86.417000	211	D			-5	5:37 AM	
☐	☒	★	DAUP-751-T-9-17	DAUP	30.254200	-88.112400	751	T	9-17		-6	5:09 AM	
☐	☒	★	DELI-803-D	DELI	38.734000	-109.501300	803	D			-7	5:16 AM	
☐	☒	★	DUNES-101-D	DUNES	41.229400	-101.844900	101	D			-7	4:39 AM	
☐	☒	★	ELKR-767-D	ELKR	46.857500	-116.396300	767	D					
☐	☒	★	FAITH-4321-A	FAITH	44.457600	-110.827000	4321	A					
☐	☒	★	FLAM-8297-A	FLAM	25.142800	-80.923200	8297	A					
☐	☒	★	FONT-972-G-16	FONT	35.448300	-83.816000	972	G	16	Group Photo - Sunset: 8:54 PM			
☐	☒	★	FORTMTN-344-D	FORTMTN	34.766100	-84.769600	344	D					
☐	☒	★	FWF-328-D	FWF	35.707300	-92.961900	328	D					
☐	☒	★	GNITE-874-D	GNITE	44.809000	-118.423500	874	D					
☐	☒	★	HURR-5566-D	HURR	47.969500	-123.498200	5566	D					
☐	☒	★	INGAP-613-D	INGAP	35.608200	-83.826000	613	D					

The ★ star column sits right next to the ⚠ flag column in the bonus grid — click it to mark a bonus mandatory.



- Click Import file... and choose .gpx, .kml, .csv, .tsv, .txt, Excel, or .pdf
- Parsed entirely in your browser with a preview grid — nothing is written until you click Append or Replace
- PDF import is built for Iron Butt-style bonus packets: code, points, coordinates, hours, description
- Monitoring bonuses and checkpoint info have no coordinates, so they're skipped automatically

Greg Rice's Rally Bonus Planner

[Save](#)
[Help](#)
[Admin](#)
[Gregory Rice \(greg@greglike.com\)](#)
[Settings](#)
[Rider Profile](#)
[My Motorcycles](#)
[Sign out](#)

RALLIES

2022 IBR (2022)

2019 IBR (2026)

54 - 40 (2026)

Demo Rally (2026)

2025 IBR (2023)

2023 IBR (2023)

2021 IBR (2021)

LEGS

Leg 1

Leg 2

Leg 3

2023 IBR -- Leg 2 26 bonuses

Grid

Map

Hours & Miles

Points

+ Add Bonus

Import Bonus File...

Import Bonus Points...

Combo Codes...

Route Options...

Delete selected

Clear Timed Column

Export Comment Column

Look Up Selected API Data

Clear Selection

Look Up API Data

Add Selected to Route

Route Planner...

☒ ASCII-fold export

Export GPX File

Export GPX File (whole rally)

Export Excel Spreadsheet

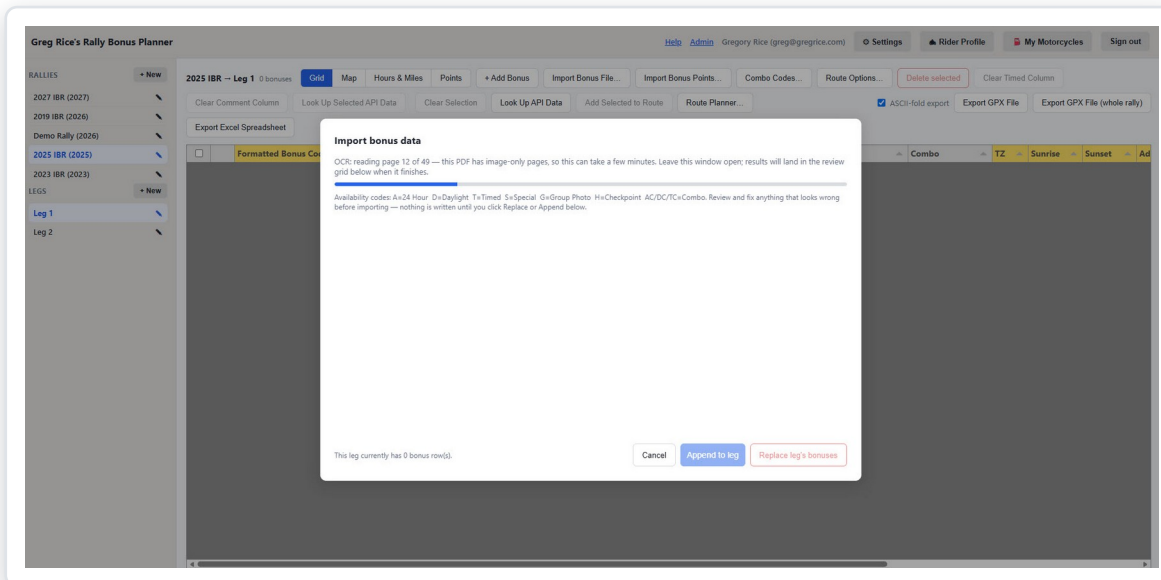
			Formatted Bonus Code	Code	Lat	Lon	Points	Avail	Timed		Comment	Combo	TZ	Sunrise	Sun
☐	☒	☒	ARCA-3479-D	ARCA	34.973700	-92.014800	3479	D			Cabot Meat Market On the northeast ...				
☐	☒	☒	AZKP-6155-T-0900-1600	AZKP	31.960200	-111.598400	6155	T	0900-1600		Concrete Donut They might be hard o...				
☐	☒	☒	CASM-16431-T-0600-2200	CASM	34.008600	-118.498100	16431	T	0600-2200		St Santa Monica Pier 380 The Santa Mon...				
☐	☒	☒	COCA-1251-A	COCA	39.408000	-107.228300	1251	A			Colorado Rocky Mountain School The ...				
☐	☒	☒	COPA-1734-D	COPA							Palisade Peaches Palisade Peaches are ...				
☐	☒	☒	IASC-1002-A	IASC							World's Largest Popcorn Ball The pop...				
☐	☒	☒	ILCH2-1754-A	ILCH2							Giordanos's More casserole than pizza...				
☐	☒	☒	ILCO-761-D	ILCO							World's Largest Catsup Bottle This wat...				
☐	☒	☒	KST-1331-A	KST							Bradley's Corner Caf�� - Sourcream Rais...				
☐	☒	☒	KYBU-4378-D	KYBU							Rabbit Hash Floods in 1847, 1884, 19...				
☐	☒	☒	MNE-4788-A	MNE							Walleye - Boathouse Restaurant and Br...				
☐	☒	☒	MNHF-877-T-0600-2200	MNHF	44.921000	-95.117600	877	T	0600-2200		Sweet Martha's Cookie Jar On the Min...				
☐	☒	☒	MNMP-954-A	MNMP	44.939500	-93.247600	954	A			Jucy Lucy Matt's Bar is the home of the...				
☐	☒	☒	MNOL-768-D	MNOL	44.776100	-95.005900	768	D			World's Largest Ear of Corn This corn ...				
☐	☒	☒	NDWF-1445-A	NDWF	46.875700	-96.905700	1445	A			Deaner's Diner Deaner's Diner, one of L...				
☐	☒	☒	NEH-3668-A	NEH	40.584400	-98.388100	3668	A			Birthplace of Kool-Aid Kool-Aid was in...				
☐	☒	☒	NMHA-1877-A	NMHA	32.667100	-107.153500	1877	A			Hatch Chile Famed Hatch chile is a regi...				
☐	☒	☒	NMPT-3257-D	NMPT	34.299100	-108.130500	3257	D			Pie Town The community of Pie Town ...				
☐	☒	☒	OKD-884-T-0700-1900	OKD	34.447900	-97.135000	884	T	0700-1900		Arbuckle Mountain Fried Pies The fam...				
☐	☒	☒	SDFR-1441-D	SDFR	43.241300	-97.418900	1441	D			Meridian Corner You owe it to yourself...				
☐	☒	☒	TXEP-3041-A	TXEP	31.779500	-106.449700	3041	A			L & J Caf�� - Best Tex-Mex For the best ...				
☐	☒	☒	TXFR-1544-D	TXFR	33.154600	-96.804600	1544	D			Texas Twinkie The Texas Twinkie was in...				
☐	☒	☒	TXTU-2469-A	TXTU	34.933000	-100.690									

Confirms how many rows were imported and reminds you to run Look up missing next.

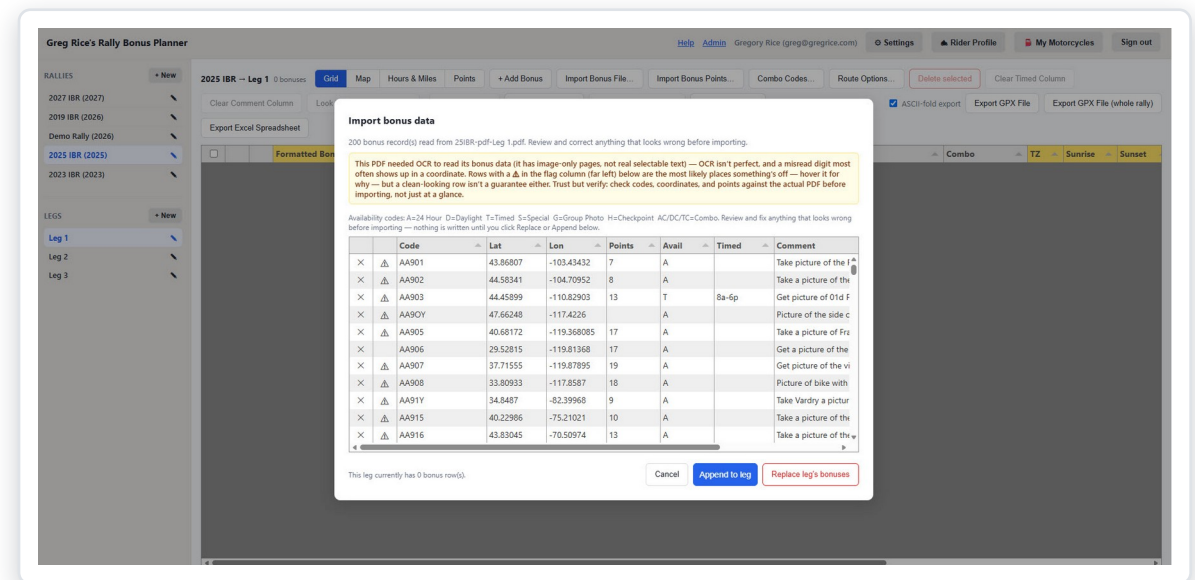


Scanned rally books: automatic OCR

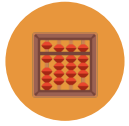
- Some rally books' bonus pages are flattened images, not real selectable text
- If a PDF comes back "No bonus records were found," the app automatically retries with OCR
- This can take several minutes on a large book — a page counter shows it isn't stalled
- OCR is less reliable: a row it isn't confident about gets a  flag with a specific reason — check the preview closely



OCR reading a scanned rally book, page by page.



The review grid after an OCR'd import — the  flag column points at rows worth a closer look.



Importing a points file

- Some rally masters publish locations and point values as two separate files
- Click Import points... and choose the codes/points file to merge it into the current leg
- Unlike Import file..., this never adds or removes rows — it only matches codes and updates Points
- A preview shows every code, whether it matched, and its current vs. new value before anything applies

Greg Rice's Rally Bonus Planner

2019 IBR -- Leg 3 35 bonuses

Import Bonus Points...

Import Bonus Points

71 code/points pair(s) read from Leg1_Points.csv.

Matches each row below to a bonus in the current leg by Code and updates its Points. Codes from the file with no matching bonus in this leg are skipped. Nothing is written until you click Apply below.

CODE	NEW POINTS	CURRENT POINTS	STATUS
ADLER	612	—	Will update
ALIEN	1650	—	Will update
BLCYN	853	—	Will update
BTH	1022	—	Will update
BWLOK	412	—	Will update
CALL1	500	—	No match in this leg
CHMNY	265	—	Will update
CHRCCK	179	—	Will update
CRFFDF	2102	—	Will update

55 of 71 code(s) match a bonus in this leg.

Cancel Apply Points

Code, New points, Current points, and a Status column flagging unmatched codes.



Looking up address & timezone

- Once a bonus has coordinates, click Look up missing to fill in timezone, reverse-geocoded address, and sunrise/sunset
- Runs in the background with a progress indicator, for every bonus that's missing this data
- Results are cached — re-running it doesn't re-charge lookups for bonuses already looked up
- Lookups are rate-limited per account; if you hit the limit, wait a bit and try again

The screenshot shows the 'Greg Rice's Rally Bonus Planner' interface. On the left, there's a sidebar with 'RALLIES' and 'LEGS' sections. The main area displays a table of bonuses for '2023 IBR - Leg 1'. A red box highlights the 'Look Up API Data' button and a progress bar indicating 'Retrieving data... 13 of 40 location(s)'. Another red box highlights the 'TZ' and 'Sunrise' columns in the table.

Formatted Bonus Code	Code	Lat	Lon	Points	Avail	Timed	Comment	Combo	TZ	Sunrise
ARDA-165-D	ARDA	34.975200	-91.491400	165	D		Fried Catfish - Dondie's White River Pri...		-6	4:52 AM
COD-6491-A	COD	39.732200	-105.005200	6491	A		Buckhorn Exchange The Buckhorn Exc...		-7	4:32 AM
FLCK-4548-D	FLCK	29.134800	-83.030500	4548	D		Cedar Key Clams Cedar Key, Florida is f...		-5	5:33 AM
GAAT-984-A	GAAT	33.758400	-84.395600	984	A		Georgia Peach This giant sculpture in h...		-5	5:27 AM
IAAM-1199-T-0800-1700	IAAM	42.026900	-93.642900	1199	T	0800-1700	The History of Dairying This bas relief ...		-6	4:39 AM
IALM-904-D	IALM	42.794800	-96.166600	904	D		Blue Bunny Ice Cream Wells Enterprise...		-6	4:46 AM
ILCH-644-A	ILCH	41.886800	-87.648000	644	A		Fulton Market District Gateway The Ful...		-6	4:15 AM
INDA-468-A	INDA	39.760900	-86.525000	468	A		Pork Tenderloin Sandwich - Mayberry ...		-5	5:18 AM
KSCO-1632-T-1500, Wednesda...	KSCO	37.036000	-95.618200	1632	T	1500, Wedne...	ICEE Machine - Omar Knedlik Coffeyvill...		-6	5:03 AM
KYW-727-A	KYW	37.918700	-84.273300	727	A		Beer Cheese Trail Kentucky has a Beer ...		-5	5:15 AM
LABB-951-A	LABB	30.283100	-91.903800	951	A		Breaux Bridge - Crawfish Capital of the...		-6	5:06 AM
LANO-1644-A	LANO	29.957600	-90.061900	1644	A		Café du Monde Café du Monde is a N...		-6	4:59 AM
MASA-2363-A	MASA	41.765600	-70.507000	2363	A		Sandwich Sandwich is the oldest town ...		-5	4:07 AM
MDBA-656-D	MDBA	39.289300	-76.590400	656	D		Community Garden - Upper Fells Point...			
MEBH-7002-A	MEBH	44.391100	-68.205900	7002	A		Lobster - Bar Harbor When you think o...			
MIDT-744-D	MIDT	42.331500	-83.048700	744	D		Coney Hot Dogs The Detroit Coney do...			
MIIC-502-D	MIIC	43.024100	-83.087100	502	D		Vlasic Pickles Joe Vlasic inherited a fam...			
MOSL-225-A	MOSL	38.615000	-90.275200	225	A		Fried Ravioli Mama's on the Hill claims ...			
MSHC-1211-A	MSHC	31.739700	-89.445800	1211	A		Hot Coffee Hot Coffee - you could pro...			
NELI-823-D	NELI	40.817100	-96.709900	823	D		Nebraska Sushi We know that everyon...			
NJAC-989-A	NJAC	39.355800	-74.431400	989	A		Salt Water Taffy Salt Water Taffy is poss...			
NJFL-556-A	NJFL	40.925100	-74.115200	556	A		Hot Dog Rollers - Calvin "Cal" McCrack...			
NJV-623-D	NJV	39.486100	-75.020900	623	D		Welch's Grape Juice Welch's Grape Juic...			

A lookup running in the background — the progress bar shows what's left to process.



When a lookup batch hits a rate limit

- A large batch can occasionally run into the timezone API's own rate limit
- When it does, a popup lists exactly which bonus codes were missed — nothing else is affected
- Run Look Up Selected/Missing again to fill in just those rows
- Sunrise/sunset only resolve once the leg's own start/end date-time is set

The screenshot shows the 'Greg Rice's Rally Bonus Planner' interface. On the left, there's a sidebar with 'RALLIES' and 'LEGS' sections. The main area displays a table with columns: Formatted Bonus Code, Code, Lat, Lon, Points, Avail, Timed, Comment, Combo, TZ, Sunrise, Sunset, and Address. A modal popup titled 'Rally Planning App' is overlaid on the table, containing the message: 'Lookup failed for 11 bonus row(s): HURR, INGP, LACEF, LNHWW, MAQUO, PATCH, PITT, PONCE, POST, PROV, SROCK. Try Look Up Selected/Missing again for those rows.' and an 'OK' button. The table rows include various bonus codes like MORES, MORGAN, MRAIN, MROCK, MTEVN, MUSHR, OCRA, OGDEN, OWYHE, PALI, PATCH, PITT, PONCE, POST, PROV, RED, ROCK, RUSHM, SHAME, SHRM, and SROCK.

Exactly which bonus codes were missed, so you can re-run just those.



How timed bonuses work

- The Avail column shapes and scores a bonus:
A=Anytime, D=Daylight, T=Timed, S=Special,
G=Group Photo, H=Checkpoint
- AC/DC/TC mark combo variants (24-hour / daylight / timed)
- For a Timed bonus, fill in the Timed column with a plain-text window, e.g. 930a-6p — this is what exports to GPX/XLSX
- A filled clock icon next to Timed means a structured window is already set for that row

Greg Rice's Rally Bonus Planner

2019 IBR → Leg 1 61 bonuses

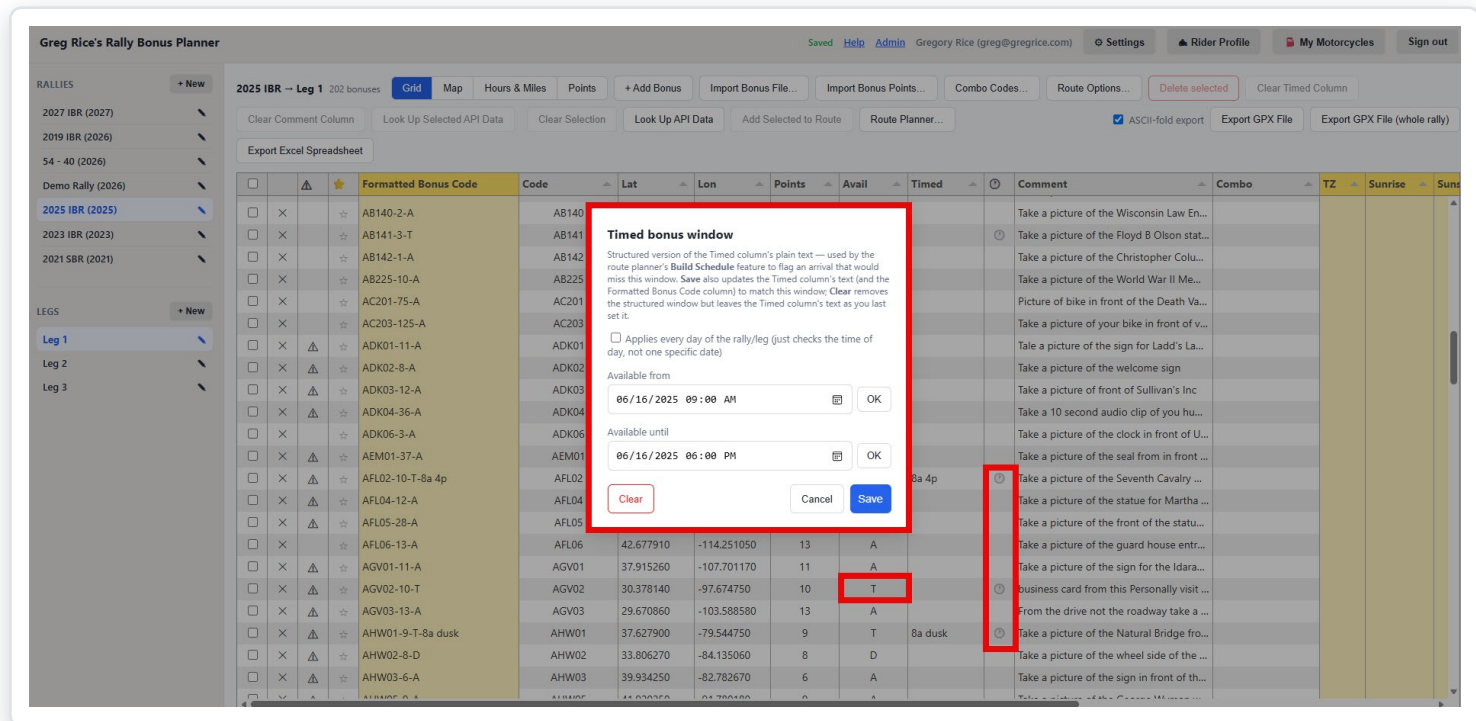
Formatted Bonus Code	Code	Lat	Lon	Points	Avail	Timed	Comment	Combo	TZ	Sunrise	Sunset	Address	Sym	Range
HURR-5566-D	HURR	47.969500	-123.498200	5566	D								Block, Red	Out of range
MRain-799-D	MRain	46.915700	-121.536100	799	D		Sunset: 9:04 ...						Block, Blue	Out of range
POST-2144-A	POST	44.302724	-120.827035	2144	A		Sunset: 8:50 ...						Pin, Blue	Out of range
ADLER-612-D	ADLER	41.858100	-87.616000	612	D								Block, Blue	
ALIEN-1650-D	ALIEN	37.647200	-115.745000	1650	D			MISS1, Rio1					Block, Blue	
BLCYN-853-D	BLCYN	38.580600	-107.716300	853	D								Block, Blue	
BTH-1022-A	BTH	45.522200	-108.862400	1022	A								Pin, Blue	
BWLOK-1000-T-10-18	BWLOK	36.961100	-81.101500	1000	T	0-18							Flag, Blue	
CHMNY-265-D	CHMNY	41.718300	-103.331800	265	D								Block, Green	
CHRCCK-179-T-8-5	CHRCCK	35.439800	-82.248500	179	T	8-5							Flag, Green	
CREEDE-2103-A	CREEDE	37.848000	-106.925600	2103	A								Pin, Blue	
CROCK-244-T	CROCK	38.842300	-100.170100	244	T								Flag, Green	
CRYST-906-T-9-17	CRYST	42.433800	-90.620500	906	T	9-17		COLO1, C...					Flag, Blue	
CULV-211-D	CULV	41.219000	-86.417000	211	D								Block, Green	
DAUP-751-T-9-17	DAUP	30.254200	-88.112400	751	T	9-17		RED1, RED2					Flag, Blue	
DELI-803-D	DELI	38.734000	-109.501300	803	D								Block, Blue	
DUNES-101-D	DUNES	41.229400	-101.844900	101	D								Block, Green	
ELKR-767-D	ELKR	46.857500	-116.396300	767	D								Block, Blue	
FAITH-4321-A	FAITH	44.457600	-110.827000	4321	A								Pin, Red	
FLAM-8297-A	FLAM	25.142800	-80.923200	8297	A								Pin, Red	
FONT-972-G-16	FONT	35.448300	-83.816000	972	G		Group Photo...						Diver Down F...	
FORTMTN-344-D	FORTMTN	34.766100	-84.769600	344	D								Block, Green	
FWF-328-D	FWF	35.707300	-92.961900	328	D								Block, Green	

The plain Timed text column with its small  column right beside it.



Setting a structured timed window

- For a Timed or Timed-Combo bonus, click the  icon to open Available from / Available until pickers
- This structured window is separate from the plain Timed text — it doesn't change what's exported
- It's what Build Route Schedule checks your estimated arrival against, flagging anything that would miss it
- Leave it unset and the schedule builder simply can't verify that bonus, rather than assuming you'll make it



The screenshot shows the 'Greg Rice's Rally Bonus Planner' application. A modal dialog titled 'Timed bonus window' is open, explaining that it is a structured version of the Timed column's plain text. It includes instructions on how to use the 'Available from' and 'Available until' pickers, which are currently set to '06/16/2025 09:00 AM' and '06/16/2025 06:00 PM' respectively. The dialog also has a checkbox for 'Applies every day of the rally/leg' and buttons for 'Clear', 'Cancel', and 'Save'. In the background, a table of bonus codes is visible, with the 'Timed' column highlighted in red. The 'Timed' column contains the letter 'T' for the bonus code 'AGV03-13-A'.

Formatted Bonus Code	Code	Lat	Lon	Points	Avail	Timed	Comment	Combo	TZ	Sunrise	Sunset
AB140-2-A	AB140						Take a picture of the Wisconsin Law En...				
AB141-3-T	AB141						Take a picture of the Floyd B Olson stat...				
AB142-1-A	AB142						Take a picture of the Christopher Colu...				
AB225-10-A	AB225						Take a picture of the World War II Me...				
AC201-75-A	AC201						Picture of bike in front of the Death Va...				
AC203-125-A	AC203						Take a picture of your bike in front of v...				
ADK01-11-A	ADK01						Tale a picture of the sign for Ladd's La...				
ADK02-8-A	ADK02						Take a picture of the welcome sign				
ADK03-12-A	ADK03						Take a picture of front of Sullivan's Inc				
ADK04-36-A	ADK04						Take a 10 second audio clip of you hu...				
ADK06-3-A	ADK06						Take a picture of the clock in front of U...				
AEM01-37-A	AEM01						Take a picture of the seal from in front ...				
AFL02-10-T-8a 4p	AFL02						Take a picture of the Seventh Cavalry ...				
AFL04-12-A	AFL04						Take a picture of the statue for Martha ...				
AFL05-28-A	AFL05						Take a picture of the front of the statu...				
AFL06-13-A	AFL06	42.677910	-114.251050	13	A		Take a picture of the guard house entr...				
AGV01-11-A	AGV01	37.915260	-107.701170	11	A		Take a picture of the sign for the Idara...				
AGV02-10-T	AGV02	30.378140	-97.674750	10	T		business card from this Personally visit ...				
AGV03-13-A	AGV03	29.670860	-103.588580	13	A		From the drive not the roadway take a ...				
AHW01-9-T-8a dusk	AHW01	37.627900	-79.544750	9	T	8a dusk	Take a picture of the Natural Bridge fro...				
AHW02-8-D	AHW02	33.806270	-84.135060	8	D		Take a picture of the wheel side of the ...				
AHW03-6-A	AHW03	39.934250	-82.782670	6	A		Take a picture of the sign in front of th...				

The Timed bonus window dialog — set Available from / until, then Save.



3

Weather

Check 10-day forecasts for any bonus, and overlay live precipitation radar on the map.



WEATHER

Weather forecasts

- From a marker's popup on the map, click 10-day weather
- Opens a forecast panel for that bonus's exact location
- Shows daily highs/lows, conditions, and precipitation chance
- Close it with the × in the top-right corner

Greg Rice's Rally Bonus Planner

2027 IBR -- Leg 1 40 bonuses

Grid Map Hours & Miles Points + Add Bonus Import Bonus File... Import Bonus Points... Combo Codes... Route Options... Delete selection

Clear Comment Column Look Up Selected API Data Clear Selection Look Up API Data Add Selected to Route Route Planner... Route 3: 9 stops • 12137 pts • 2864.6 mi (road) • 44h 23m

Export GPX File Export GPX File (whole rally) Export Excel Spreadsheet

Shape = availability

- Anytime
- Daylight
- ▬ Timed
- ◆ Special
- ★ Group Photo
- ▲ Checkpoint
- Combo (AC/DCTC): bolder outline

Color = points

- 0-499 pts: 5
- 500-2499 pts: 31
- 2500-9999 pts: 4
- 10000+ pts: 0

Total plotted: 40

Weather: WAVI

Wed, Sep 2	89°F / 72°F
Rain, Partially cloudy • 100% precip	
Thu, Sep 3	92°F / 71°F
Partially cloudy • 18% precip	
Fri, Sep 4	89°F / 73°F
Partially cloudy • 55% precip	
Sat, Sep 5	80°F / 68°F
Partially cloudy • 27% precip	
Sun, Sep 6	78°F / 64°F
Partially cloudy • 6% precip	
Mon, Sep 7	79°F / 61°F
Partially cloudy • 6% precip	
Tue, Sep 8	84°F / 63°F
Partially cloudy • 6% precip	
Wed, Sep 9	85°F / 66°F
Partially cloudy • 13% precip	
Thu, Sep 10	85°F / 68°F
Partially cloudy • 19% precip	
Fri, Sep 11	77°F / 61°F
Partially cloudy • 19% precip	

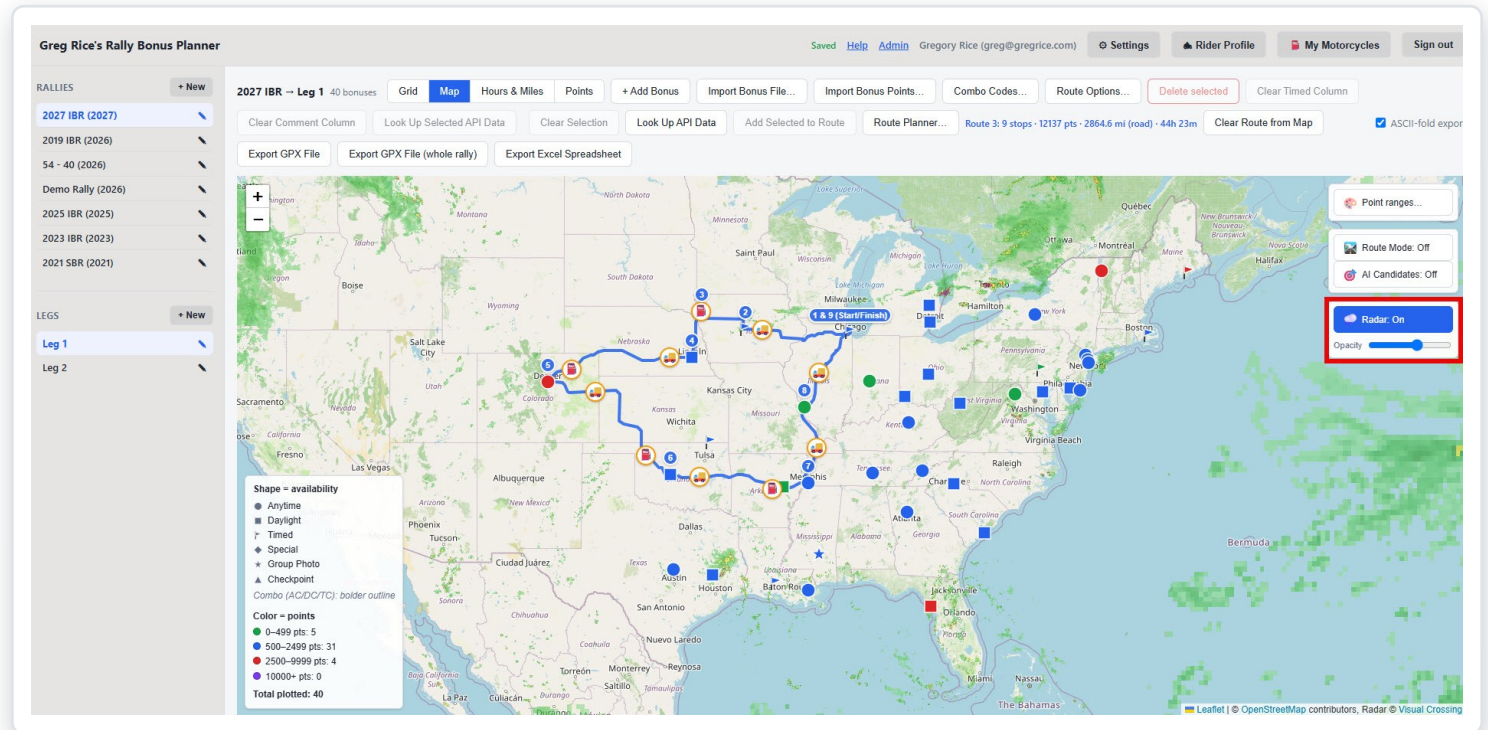
The weather panel, opened from a map popup.



WEATHER

Weather radar overlay: on and off

- Click Radar: Off (top-right of the map) to switch on a live precipitation radar overlay
- Click it again — now labeled Radar: On — to turn it off
- The slider next to the button fades the overlay's opacity, so markers and the route line still show through
- Useful for spotting weather along a whole route at a glance, instead of checking each bonus one at a time



Radar turned on, with opacity lowered so markers and the route line still show.



4

The Map & Building a Route

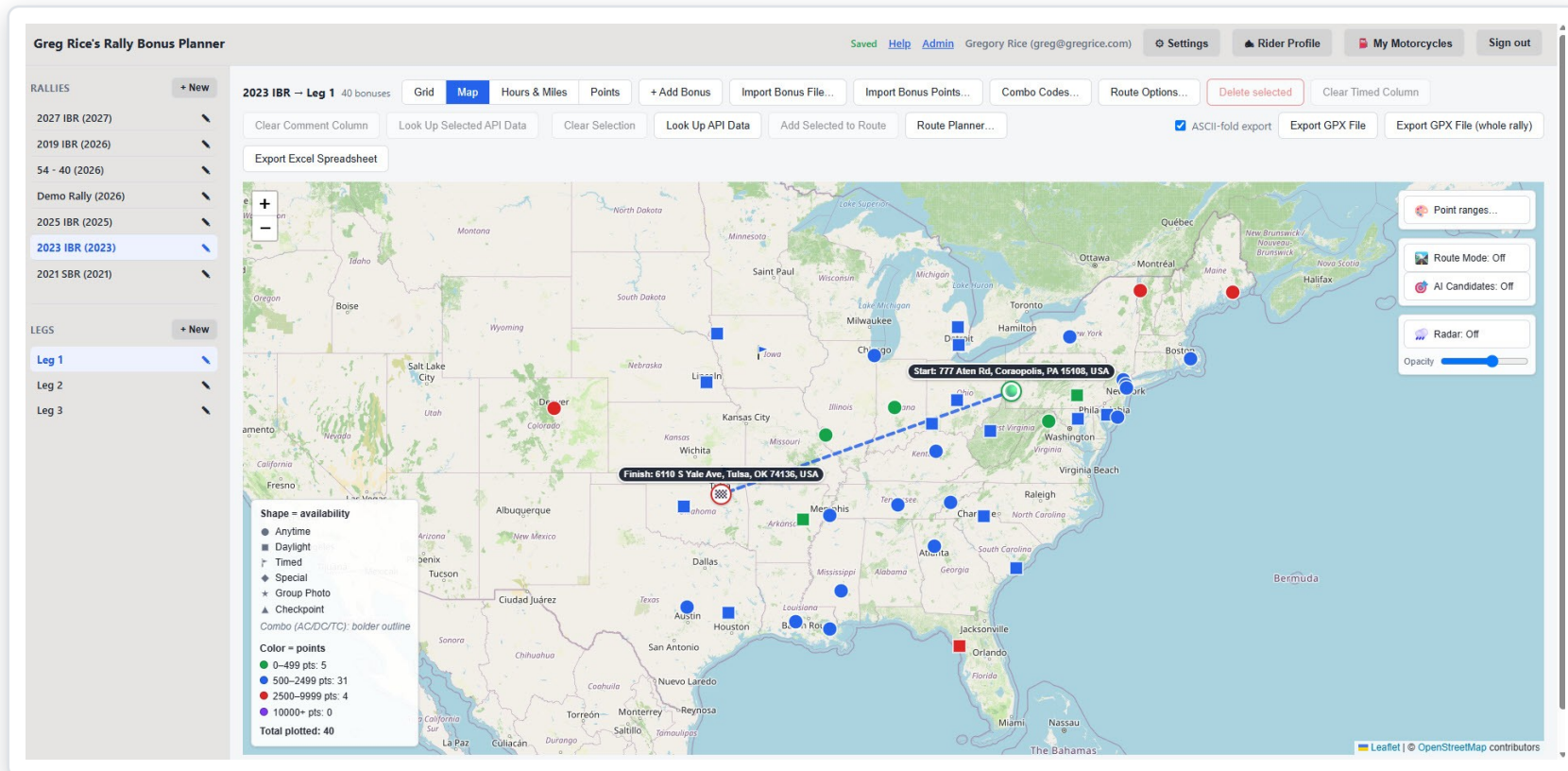
Plot bonuses by point value and availability, then click your way to a route.



THE MAP

Map view

- Click Map next to Grid in the toolbar to switch views
- Each bonus is a marker whose shape encodes availability (circle, square, flag, diamond, star, triangle) and whose color encodes point value
- Combo bonuses get a bolder outline; the legend (lower-left) explains the encoding and totals plotted points
- A dimmed marker means Out of range — still fully clickable, never hidden



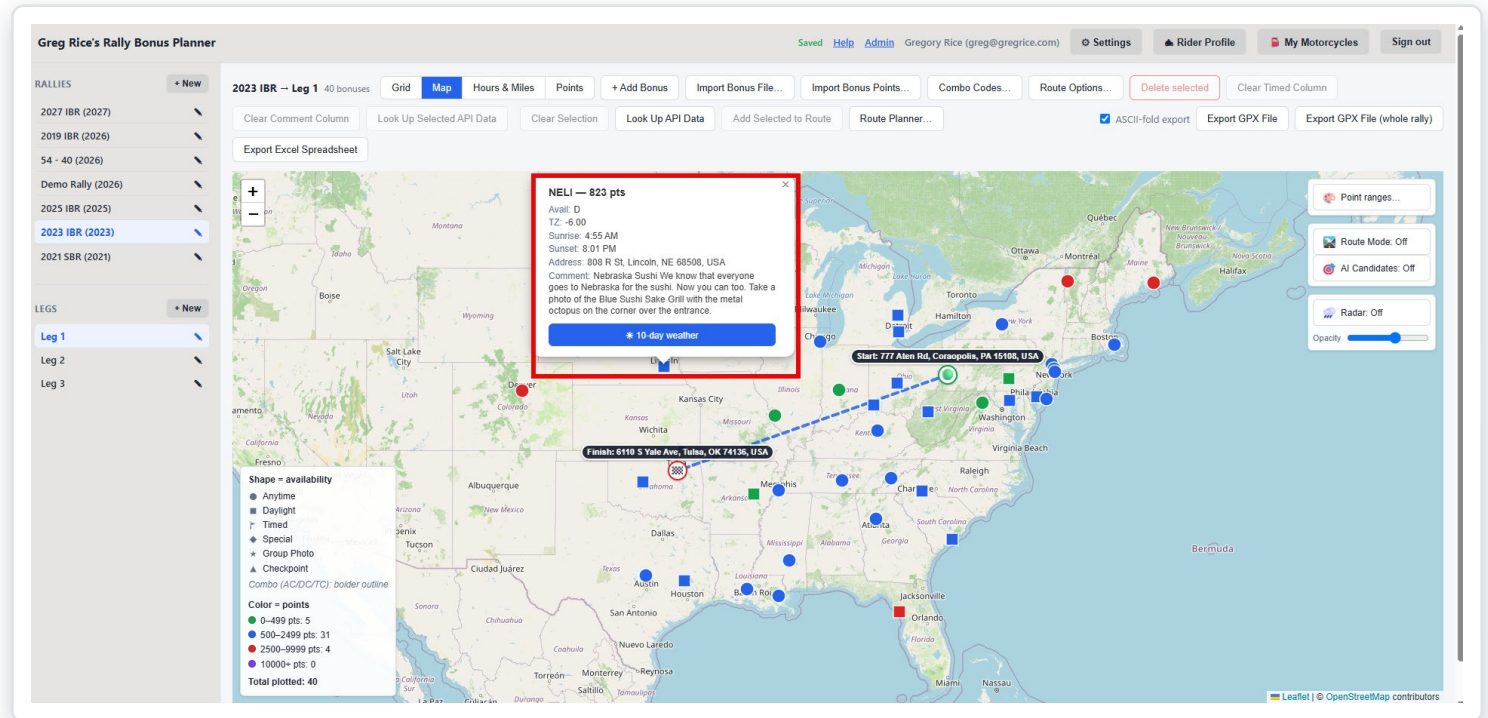
Map view for a leg with many bonuses plotted.



THE MAP

Marker popups

- Click any marker to see its details: availability, timezone, address
- One click through to its 10-day weather forecast
- Hovering a flagged marker shows "Out of range" right in its tooltip, alongside code and points
- Point ranges... (top-right) lets you customize the point thresholds and colors used on the map



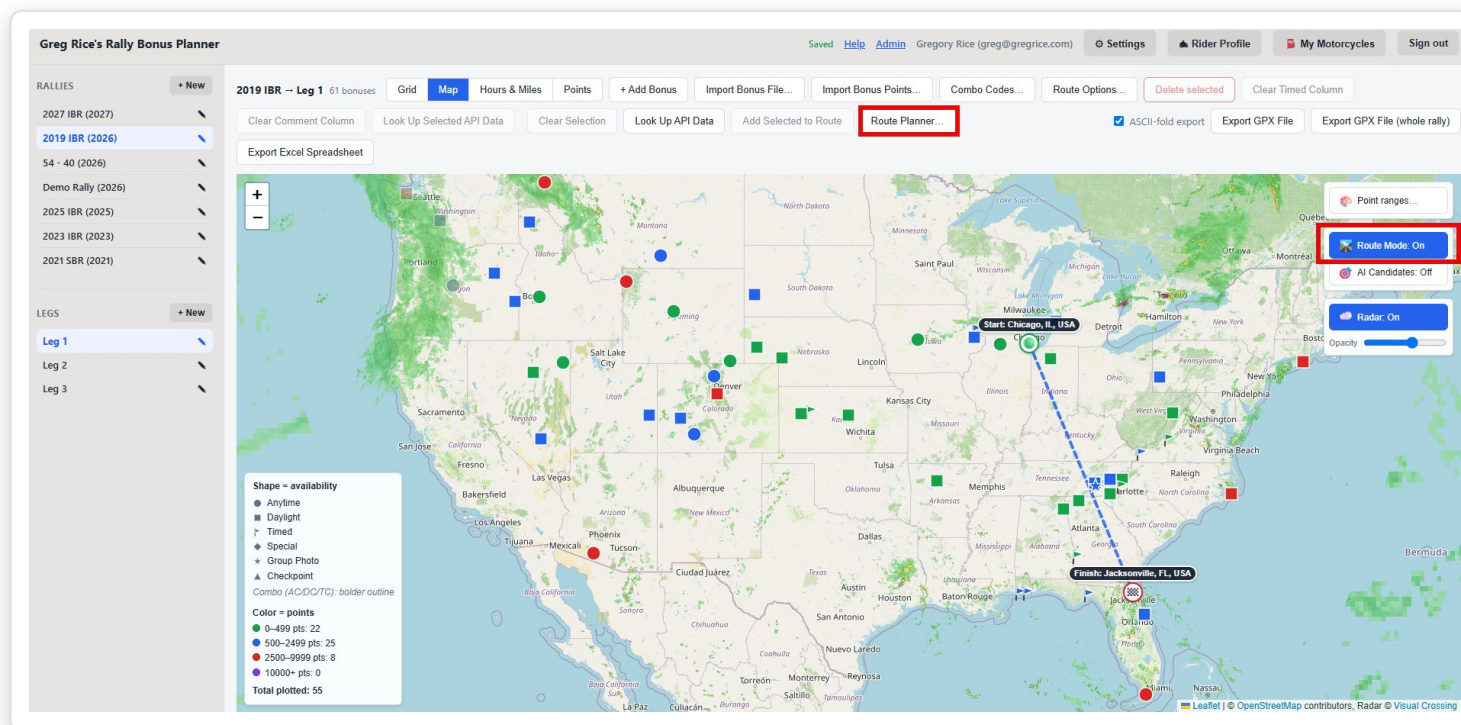
A marker popup — availability, timezone, address, and a weather shortcut.



THE MAP

Point-and-click: Route Mode

- In Map view, click Route Mode: Off (top-right) to turn it on
- Click bonus markers in the order you'd ride them — a numbered badge appears on each one you add
- Click a marker again to remove that stop; turn Route Mode back off to return to normal popups
- To close a loop, click the first stop again once the rest are added — its marker then shows both stop numbers



Add Selected to Route, Route Planner..., and Route Mode — the map's routing toolbar.



THE MAP

Or add stops from the grid

- In Grid view, check the bonuses you want — the same checkboxes used for delete/lookup
- Click Add Selected to Route — stops land in the route order the grid's rows are in, not the order you checked them
- Mix both methods freely on the same route: some stops from the grid, some clicked on the map
- Open Route Planner... any time to see, reorder, or trim the full stop list

Greg Rice's Rally Bonus Planner

2019 IBR - Leg 1 61 bonuses

Grid Map Hours & Miles Points + Add Bonus Import Bonus File... Import Bonus Points... Combo Codes... Route Options... Delete selected Clear Timed Column

Clear Comment Column Look Up Selected API Data 10 selected Clear Selection Look Up API Data Add Selected to Route Route Planner...

Export Excel Spreadsheet

Formatted Bonus Code	Code	Lat	Lon	Points	Avail	Timed	Comment	Combo	TZ	Sunrise	Sun
☒	ADLER-612-D	ADLER	41.858100	-87.616000	612	D			-6	4:40 AM	
☒	ALIEN-1650-D	ALIEN	37.647200	-115.745000	1650	D		MISS1, Rsp1	-8	4:44 AM	
☒	BLCYN-853-D	BLCYN	38.500600	-107.716300	853	D			-7	5:09 AM	
☒	BTH-1022-A	BTH	45.522200	-106.862400	1022	A			-7	4:55 AM	
☒	BWLOK-1000-T-10-18	BWLOK	36.961100	-81.101500	1000	T	10-18		-5	5:27 AM	
☒	CHMNY-265-D	CHMNY	41.718300	-103.331800	265	D					
☒	CHMNY-179-T-8-5	CHMNY	35.439800	-82.248500	179	T	8-5				
☒	CREEDE-2103-A	CREEDE	37.848000	-106.925600	2103	A					
☒	CROCK-244-T	CROCK	38.842300	-100.170100	244	T			-6	5:38 AM	
☒	CRYST-906-T-9-17	CRYST	42.433800	-90.620500	906	T	9-17				
☒	CULV-211-D	CULV	41.219000	-86.417000	211	D			-5	5:37 AM	
☒	DAUP-751-T-9-17	DAUP	30.254200	-88.112400	751	T	9-17		-6	5:09 AM	
☒	DELI-803-D	DELI	38.734000	-109.501300	803	D			-7	5:16 AM	
☒	DUNES-101-D	DUNES	41.229400	-101.844900	101	D			-7	4:39 AM	
☒	ELKR-767-D	ELKR	46.857500	-116.396300	767	D					
☒	FAITH-4321-A	FAITH	44.457600	-110.827000	4321	A					
☒	FLAM-8297-A	FLAM	25.142800	-80.923200	8297	A					
☒	FONT-972-G-16	FONT	35.448300	-83.816000	972	G	16	Group Photo - Sunset: 8:54 PM			
☒	FORTMTN-344-D	FORTMTN	34.766100	-84.769600	344	D					
☒	FWF-328-D	FWF	35.707300	-92.961900	328	D					
☒	GNITE-874-D	GNITE	44.809000	-118.423500	874	D					
☒	HURR-5566-D	HURR	47.969900	-123.498200	5566	D					
☒	INGAP-613-D	INGAP	35.608200	-83.826000	613	D					

Check bonuses in Grid view, then click Add Selected to Route.

Greg Rice's Rally Bonus Planner

2019 IBR - Leg 1 61 bonuses

Grid Map Hours & Miles Points + Add Bonus Import Bonus File... Import Bonus Points... Combo Codes... Route Options... Delete selected Clear Timed Column

Clear Comment Column Look Up Selected API Data 10 selected Clear Selection Look Up API Data Add Selected to Route Route Planner...

Export Excel Spreadsheet

Route Planner

Build a route from bonuses you select in the grid ("Add Selected to Route") or click on the map (Run on Route Mode). Drag stops below to reorder — the map's route line and status update to match. Distance/time use free road routing (OpenRouteService); if that's ever unavailable, the map falls back to a straight line and a rougher estimate.

Route: [Route 1 (unsaved)] [Route 1] + New Route

Manage Routes...

11 stops - 12412 pts - 11785.6 mi (straight-line est.) - est. 157h 49m riding - est. finish Tue. Aug 4, 2:01 AM

Route Info

Start: [Not set] End: [Not set]

Search address (e.g. Ham) Find Search address (e.g. Ham) Find

Set from map... Custom point: 41.8832, -87.6324 Set from map... Custom point: 30.3298, -81.6592

Chicago, IL, USA Jacksonville, FL, USA

Pick an existing bonus as the start/end, search an address above (best with a city/state — a bare business name alone may not resolve), or click "Set from map..." then click anywhere on the map (switches to Map view to prep a custom point like a hotel or rally HQ).

Start date/time: 07/28/2026 12:12 PM OK 75

Avg riding speed (mph)

Minutes per stop: 15 Fuel range (mi): 200 Motorcycle: [None]

Defaults to this leg's start date/time — change it if this route won't start the instant the leg does.

AI Suggested Route

Formatted Bonus Code	Code	Lat	Lon	Points	Avail	Timed	Comment	Combo	TZ	Sunrise	Sun
☒	ADLER-612-D	ADLER	41.858100	-87.616000	612	D			-6	4:40 AM	
☒	ALIEN-1650-D	ALIEN	37.647200	-115.745000	1650	D		MISS1, Rsp1	-8	4:44 AM	
☒	BLCYN-853-D	BLCYN	38.500600	-107.716300	853	D			-7	5:09 AM	
☒	BTH-1022-A	BTH	45.522200	-106.862400	1022	A			-7	4:55 AM	
☒	BWLOK-1000-T-10-18	BWLOK	36.961100	-81.101500	1000	T	10-18		-5	5:27 AM	
☒	CHMNY-265-D	CHMNY	41.718300	-103.331800	265	D					
☒	CHMNY-179-T-8-5	CHMNY	35.439800	-82.248500	179	T	8-5				
☒	CREEDE-2103-A	CREEDE	37.848000	-106.925600	2103	A					
☒	CROCK-244-T	CROCK	38.842300	-100.170100	244	T			-6	5:38 AM	
☒	CRYST-906-T-9-17	CRYST	42.433800	-90.620500	906	T	9-17				
☒	CULV-211-D	CULV	41.219000	-86.417000	211	D			-5	5:37 AM	
☒	DAUP-751-T-9-17	DAUP	30.254200	-88.112400	751	T	9-17		-6	5:09 AM	
☒	DELI-803-D	DELI	38.734000	-109.501300	803	D			-7	5:16 AM	
☒	DUNES-101-D	DUNES	41.229400	-101.844900	101	D			-7	4:39 AM	
☒	ELKR-767-D	ELKR	46.857500	-116.396300	767	D					
☒	FAITH-4321-A	FAITH	44.457600	-110.827000	4321	A					
☒	FLAM-8297-A	FLAM	25.142800	-80.923200	8297	A					
☒	FONT-972-G-16	FONT	35.448300	-83.816000	972	G	16	Group Photo - Sunset: 8:54 PM			
☒	FORTMTN-344-D	FORTMTN	34.766100	-84.769600	344	D					
☒	FWF-328-D	FWF	35.707300	-92.961900	328	D					
☒	GNITE-874-D	GNITE	44.809000	-118.423500	874	D					
☒	HURR-5566-D	HURR	47.969900	-123.498200	5566	D					
☒	INGAP-613-D	INGAP	35.608200	-83.826000	613	D					

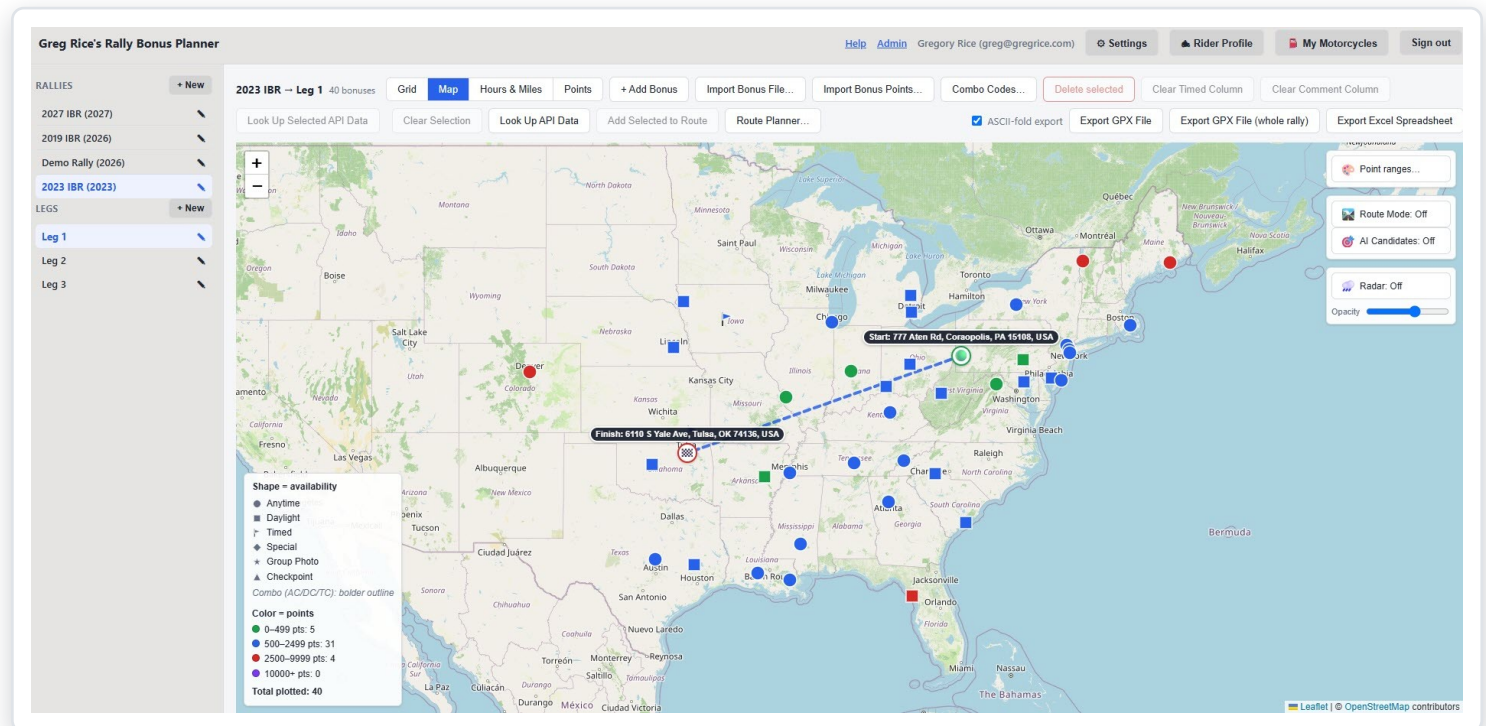
The selected bonuses land in the route as new stops.



THE MAP

Start, End, and your motorcycle

- Start/End accept an existing bonus from a dropdown, or a custom point — a hotel, rally HQ, anywhere else
- Type an address and click  Find, or Set from map... to drop a pin by hand
- If a leg has a saved Start/End location, the route's pickers default to it automatically
- The Motorcycle dropdown attaches a saved bike to the route and fills in Fuel range from its tank/MPG numbers



 Start at the rally's home base,  Finish at that night's hotel — filled in automatically.



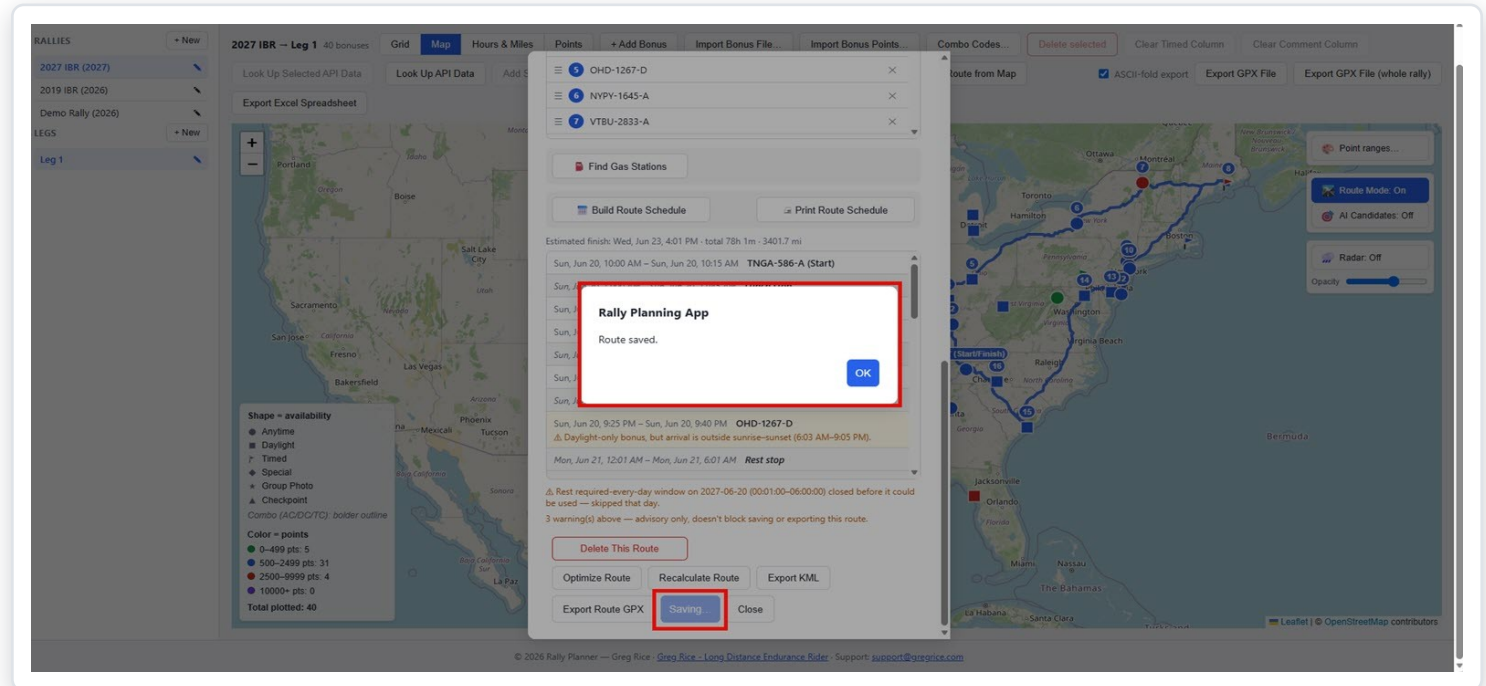
- Click Route Planner... any time to open the full panel: Route picker, live stats, Start/End, pace, and the stop list
- Drag stops (≡) to reorder, click ✕ to remove one
- Set Avg moving speed and Minutes per stop — these feed the estimated ride time
- AI Suggested Route, Find Gas Stations, Build Route Schedule, Optimize Route, and every export live right here





Recalculating the road route

- Recalculate Route swaps a straight-line estimate for a real road distance from road-routing data
- Save Route keeps it for next time you open this leg; Delete This Route removes it
- Export Route GPX / Export KML download the stops as a route for Basecamp, Garmin, or a GPS
- Your GPS recalculates the actual road path itself once you load and activate the route

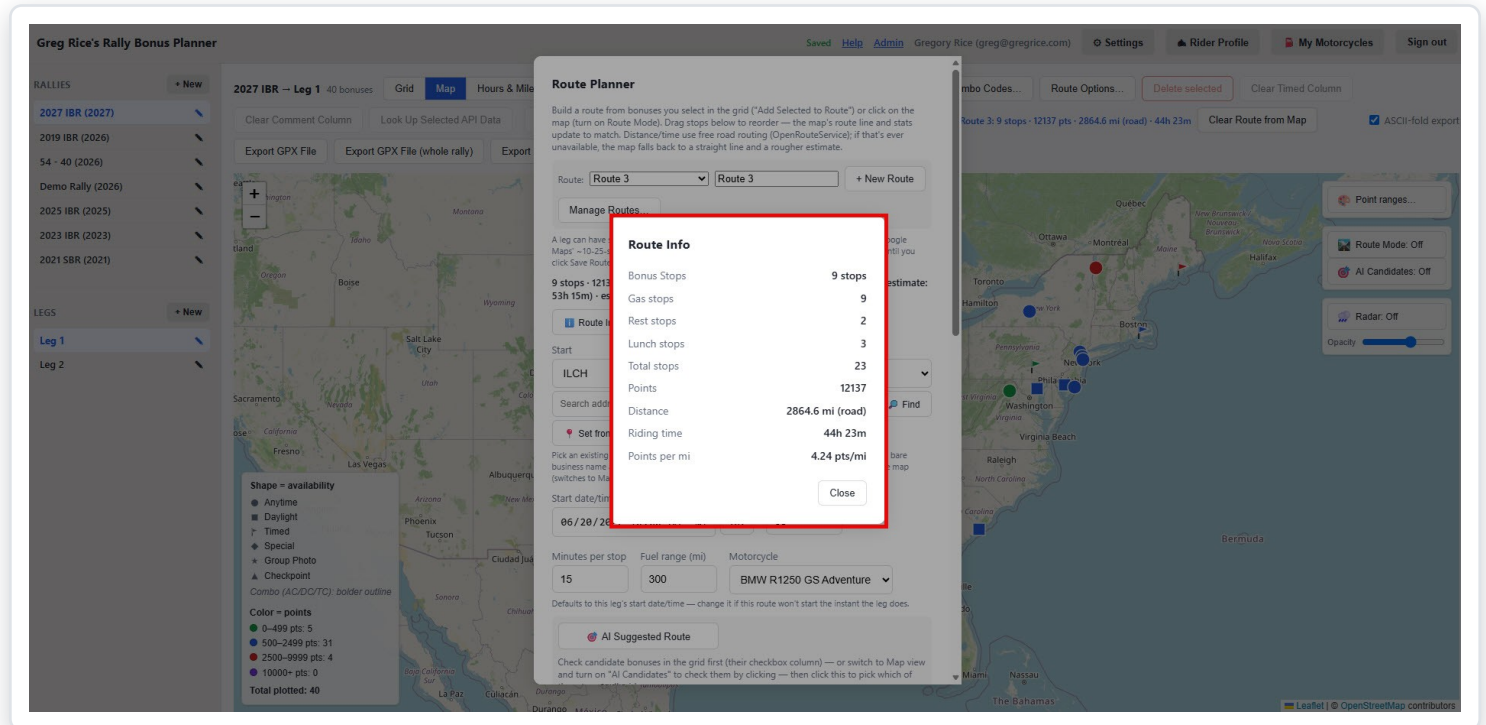


Recalculate Route swaps the straight-line estimate for a real road distance.



Route Info: points and efficiency

- The route's stats line always shows stop count, points, distance, and estimated ride time as you build it
- The  Route Info button pops up a clean, screenshot-friendly summary of all of it
- Includes points per mile — the efficiency number riders like to compare after a rally
- It's on the printed route schedule too, so it travels with whatever you save or share



The screenshot shows the 'Greg Rice's Rally Bonus Planner' web application. A 'Route Info' popup window is displayed over the map, summarizing the route statistics for 'Route 3'. The popup contains the following data:

Route Info	
Bonus Stops	9 stops
Gas stops	9
Rest stops	2
Lunch stops	3
Total stops	23
Points	12137
Distance	2864.6 mi (road)
Riding time	44h 23m
Points per mi	4.24 pts/mi

The background interface shows a map of the United States with various rally points marked. The 'Route Planner' section on the right allows users to manage routes, including adding new routes and viewing route options. The 'Route Info' popup is highlighted with a red border.

Stops, Points, Distance, Riding time, and Points per mile, all in one popup.



5

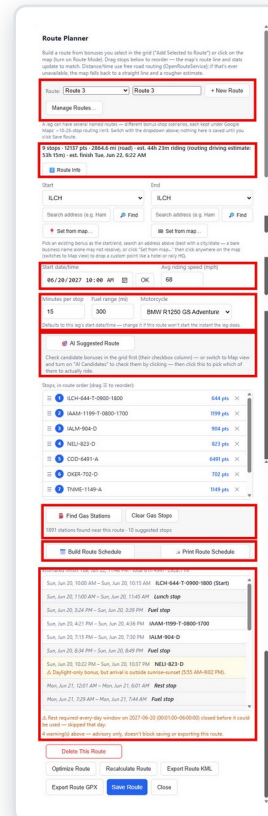
AI Suggested Route & the Optimizer

Let the app pick the highest-value bonuses for you, or just clean up the order of stops you already picked.



AI Suggested Route

- Optimize Route only reorders stops you've already picked — AI Suggested Route picks which bonuses to ride in the first place
- Aims to score the most total points while still getting you back to your End point by the leg's end date/time
- Build a candidate pool: check bonuses in the grid, or turn on  AI Candidates in Map view and click markers
- Requires the leg's Start and End date/time — it refuses to run without a hard deadline to plan against



The screenshot shows the 'Route Planner' interface. The 'AI Suggested Route' section is highlighted with a red box. It includes a 'Start' field with 'SLO' and an 'End' field with 'SLO'. Below these are fields for 'Start date/time' (06/20/2022 10:00 AM) and 'End date/time' (06/20/2022 10:00 AM). The 'AI Suggested Route' section also includes a 'Check candidate bonuses in the grid first (other checkboxes below) — or switch to Map view and turn on AI Candidates to check them by clicking — then click on the map to pick which of these to include in the route' instruction. Below this is a list of candidate bonuses with their names and point values:

Candidate Bonus	Points
SLO-644-T-0000-1000	644 pts
AAAM-1100-T-0000-1100	1100 pts
AAAM-604-D	604 pts
MLU-623-D	623 pts
CCD-643-A	643 pts
QCR-702-D	702 pts
THAM-1140-A	1140 pts

Below the candidate list is a 'Find Gas Stations' section with a 'Clear Gas Stops' button. The bottom section shows the 'Build Route Schedule' button and a 'Print Route Schedule' button. The 'Print Route Schedule' button is highlighted with a red box.

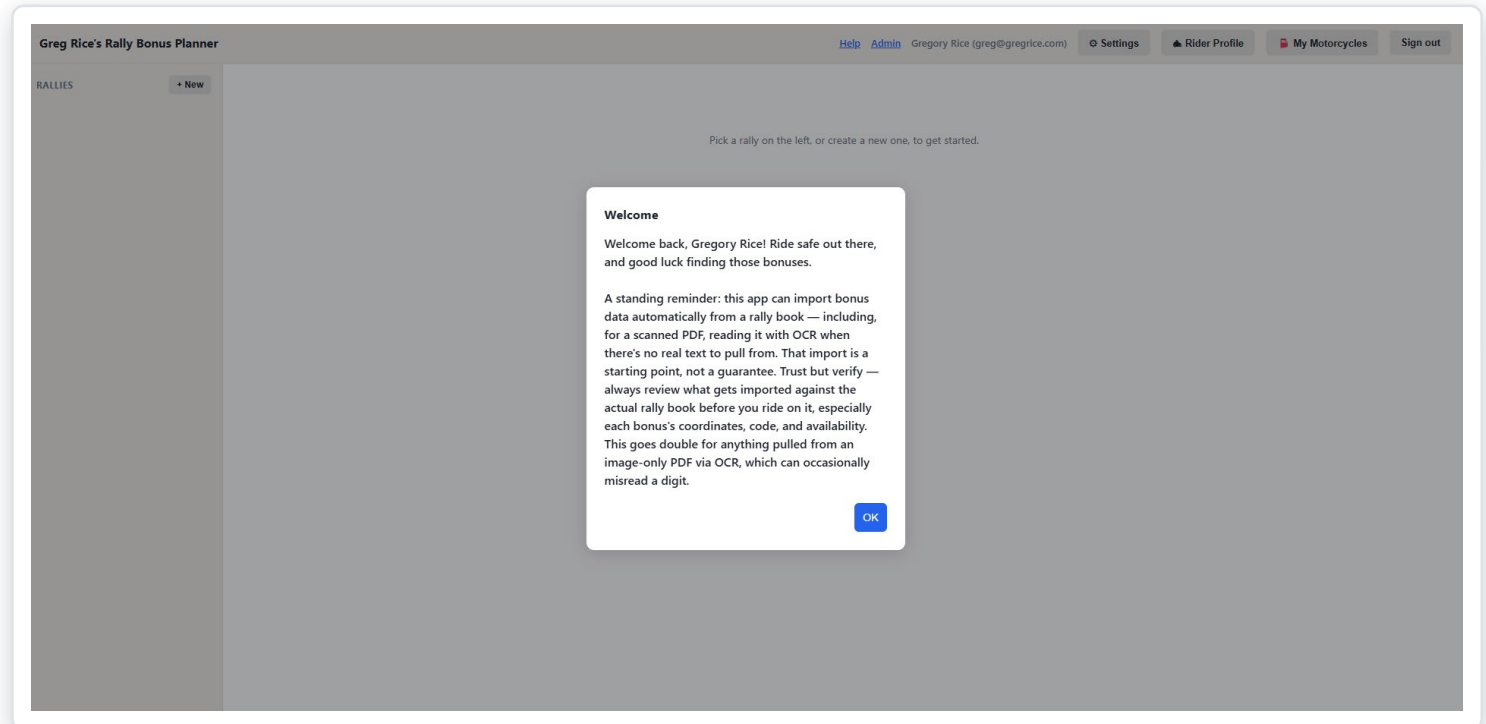


AI Suggested Route lives right in the Route Planner panel.



What feeds the AI search

- Your Rider Profile (optional) — pre-fills average speed and preferred stop length; defaults to 55 mph / 15 min if skipped
- A motorcycle profile (optional) — pre-fills Fuel range from that bike's tank size and MPG; defaults to 200 miles if skipped
- ★ Mandatory bonuses are seeded in first as hard requirements — a 5-point mandatory can't be edged out by an optional 500-point bonus
- Rest/lunch rules from the rally or leg (optional) are respected in the schedule it builds



Set your defaults once — every route you plan afterward starts from your own numbers.



Reading the result

- Every run reports "Suggested route: N of M candidate bonus(es) included..." plus a Not included list
- Each excluded bonus gets a plain-English reason — ran out of time, missed a Timed/Daylight window, or hit the stop cap
- If any Daylight-only candidate is missing its sunrise/sunset lookup, you're warned before the search even runs
- A mandatory bonus that genuinely can't fit tells you clearly, instead of a route that's quietly missing it

The screenshot displays the 'Greg Rice's Rally Bonus Planner' web application. The main interface shows a map of the United States with a route planned through the western and central regions. A 'Route Info' popup is open, providing detailed statistics for the selected route (Route 3).

Route Info	
Bonus Stops	9 stops
Gas stops	9
Rest stops	2
Lunch stops	3
Total stops	23
Points	12137
Distance	2864.6 mi (road)
Riding time	44h 23m
Points per mi	4.24 pts/mi

The popup also includes a 'Close' button. The background interface shows various controls for managing routes, including a 'Manage Routes' section and a 'Route Options' panel on the right.

The same stats line and Route Info popup apply to an AI-suggested route too.



Route optimizer

- Optimize Route reorders your existing stops for the shortest overall ride
- Keeps any Start/End you've set fixed at the ends; never adds or removes stops — your bonus selection stays your own pick
- Builds a rough starting order (nearest-neighbor), then repeatedly improves it (2-opt) until no swap shortens it further
- Automatically recalculates the real road route afterward, so the map never shows a stale straight line

Pick an existing bonus as the start/end, or click "Set from map..." then click anywhere on the map (switches to Map view) to drop a custom point like a hotel or rally HQ.

Start date/time: 06/20/2027 10:00 AM

Avg riding speed (mph): 68

Minutes per stop: 15

Fuel range (mi): 300

Motorcycle: BMW R1250 GS Adventure

Defaults to this leg's start date/time — change it if this route won't start the instant the leg does.

Stops, in route order (drag to reorder):

	6	KSCO-1632-T-1500, Wednesday, June 21, 2023	
	7	OKER-702-D	
	8	TXDD-1444-A	
	9	LABB-951-A	
	10	MSHC-1211-A	
	11	TNME-1149-A	
	12	ILCH-644-A	

Find Gas Stations Clear Gas Stops

2860 stations found near this route · 14 suggested stops

Build Schedule

Delete This Route

Optimize Route Recalculate Route Export KML

Export Route GPX Save Route Close

Optimize Route sits right in the stop list, next to Build Schedule.



What changed, and how much shorter

- After optimizing, a message reports exactly what changed — how many stops moved, and roughly how much distance was saved
- For smaller routes, it names which stops moved by their bonus code
- If your stops were already in the shortest order, it tells you that too, rather than leaving you to wonder
- If road distances are briefly unavailable, it falls back to straight-line distances and says so

Rally Planning App

Stop order optimized — 2 of 17 stop(s) moved (NJAC-989-A, NJV-623-D), cutting about 20.0 mi of road distance off the route.

OK

The confirmation shown after optimizing.



6

Gas Stops & the Ride Schedule

Find fuel along the way, then build (and print) a full arrival/departure timeline.



Gas station search

- Once a route has at least two stops,  Find Gas Stations searches near the route line for places to fuel up
- Set Fuel range (mi) to your bike's real tank range first — stops are suggested roughly every 90% of that range
- A 24h-reliable station (truck stop or known 24-hour brand) is preferred when one's nearby
- If the whole route fits inside a single tank, no stops are suggested at all

Route Planner

Build a route from bonuses you select in the grid ("Add Selected to Route") or click on the map (turn on Route Mode). Drag stops below to reorder — the map's route line and stats update to match. Distance/time use free road routing (OSRM); if that's ever unavailable, the map falls back to a straight line and a rougher estimate.

Route: Route 3 Route 3 + New Route

A leg can have several named routes — different bonus/stop scenarios, each kept under Google Maps' ~10-25-stop routing limit. Switch with the dropdown above; nothing here is saved until you click Save Route.

12 stops · 3463.0 mi (road) · est. 53h 56m riding (OSRM driving estimate: 65h 11m) · est. finish Tue, Jun 22, 3:56 PM

Start ILCH End ILCH

Search address (e.g. Ham) Find Search address (e.g. Ham) Find

Set from map... Set from map...

Pick an existing bonus as the start/end, search an address above (best with a city/state — a bare business name alone may not resolve), or click "Set from map..." then click anywhere on the map (switches to Map view) to drop a custom point like a hotel or rally HQ.

Start date/time 06/20/2027 10:00 AM Avg riding speed (mph) 68 Minutes per stop 15

Fuel range (mi) 300 Motorcycle BMW R1250 GS Adventure

Defaults to this leg's start date/time — change it if this route won't start the instant the leg does.

AI Suggested Route

Check candidate bonuses in the grid first (their checkbox column) — or switch to Map view and turn on "AI Candidates" to check them by clicking — then click this to pick which of them to actually ride.

Stops, in route order (drag to reorder):

☒	1	ILCH-644-A	☐
☒	2	IAAM-1199-T-0800-1700	☐
☒	3	IALM-904-D	☐
☒	4	NELI-823-D	☐
☒	5	COD-6491-A	☐
☒	6	OKER-702-D	☐
☒	7	TXDD-1444-A	☐

Find Gas Stations

Build Route Schedule Print Route Schedule

Estimated finish: Wed, Jun 23, 3:40 PM · total 77h 41m · 3463.0 mi

Sun, Jun 20, 10:00 AM — Sun, Jun 20, 10:15 AM	ILCH-644-A (Start)
Sun, Jun 20, 11:00 AM — Sun, Jun 20, 11:45 AM	Lunch stop
Sun, Jun 20, 3:24 PM — Sun, Jun 20, 3:39 PM	Fuel stop
Sun, Jun 20, 4:21 PM — Sun, Jun 20, 4:36 PM	IAAM-1199-T-0800-1700
Sun, Jun 20, 7:15 PM — Sun, Jun 20, 7:30 PM	IALM-904-D
Sun, Jun 20, 8:34 PM — Sun, Jun 20, 8:49 PM	Fuel stop
Sun, Jun 20, 10:05 PM — Sun, Jun 20, 10:20 PM	NELI-823-D
⚠ Daylight-only bonus, but arrival is outside sunrise-sunset (5:55 AM–9:02 PM).	
Mon, Jun 21, 12:01 AM — Mon, Jun 21, 6:01 AM	Rest stop
Mon, Jun 21, 7:29 AM — Mon, Jun 21, 7:44 AM	Fuel stop

⚠ This route's total elapsed time (77.7h) leaves less than your 4h daily rest preference if ridden without an overnight stop.
⚠ Rest required-every-day window on 2027-06-20 (00:01:00–06:00:00) closed before it could be used — skipped that day.
5 warning(s) above — advisory only, doesn't block saving or exporting this route.

Delete This Route

Optimize Route Recalculate Route Export KML

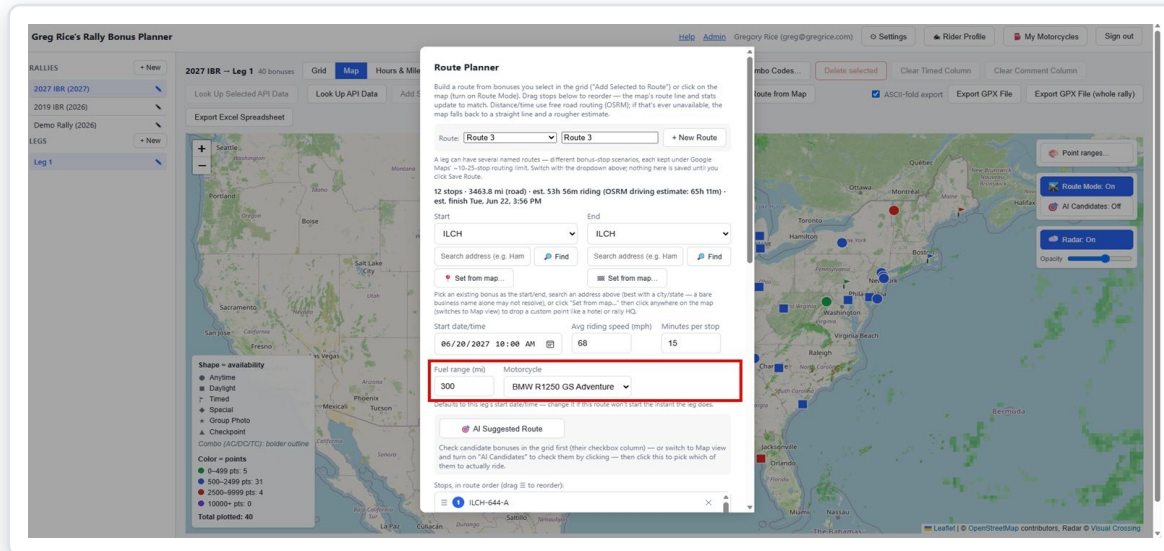
Export Route GPX Save Route Close

 Find Gas Stations, right in the Route Planner panel.

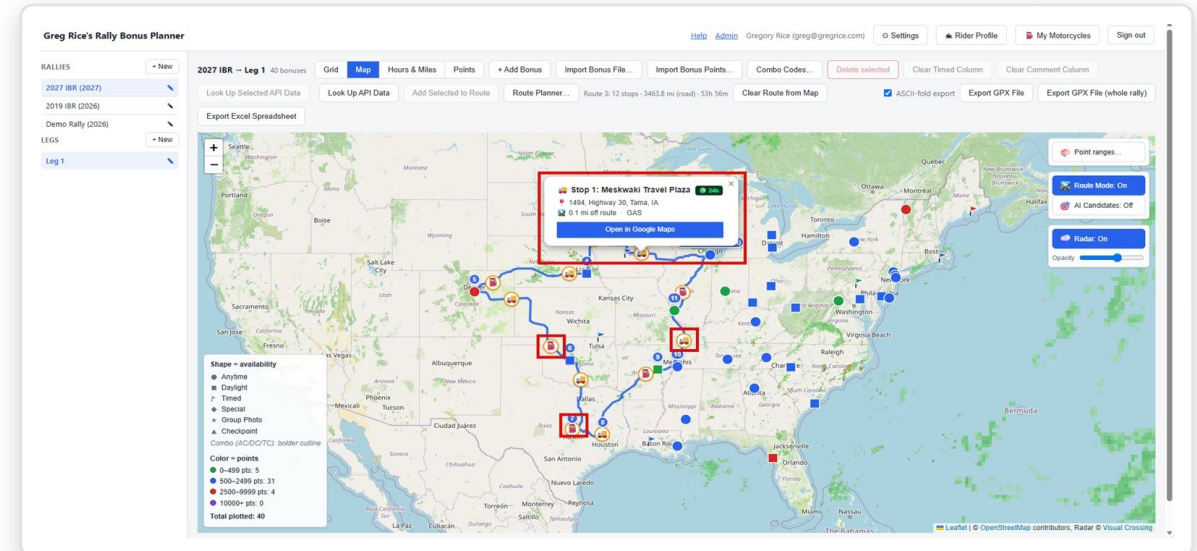


Choosing a fuel stop

- Click any fuel-stop marker for its details: station name, an "hours vary" or "24h" badge, address, and how far off-route it sits
- Open in Google Maps hands off turn-by-turn directions straight to your phone
- This is a planning aid only — nothing here is saved with the route or included in exports
- It resets automatically whenever the route's stops change, so it's always answering for the route as it stands now



Station details — hours, address, distance off-route, fuel type.

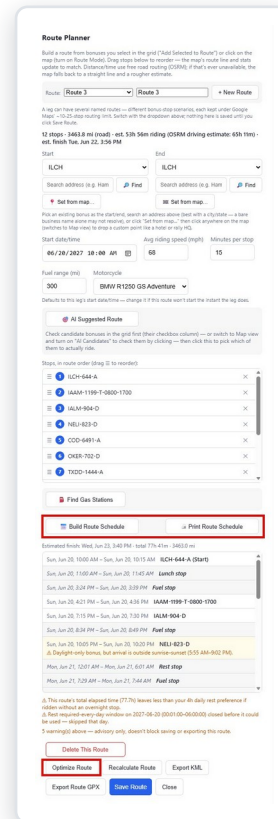


A full route with its suggested fuel stops plotted.



Build & print a route schedule

-  Build Route Schedule builds a full timeline: arrival and departure at every stop
- Inserts rest, lunch, and fuel stops wherever they'd actually trigger — even mid-leg on a long stretch
- Flags — but never blocks — any Daylight-only or Timed bonus your arrival time would miss
- Print Route Schedule turns it into a clean, printable page with the same points-per-mile summary as Route Info



Build Schedule and Optimize Route, right below the stop list.



Reading the schedule's warnings

- Every warning is advisory only — nothing here blocks saving or exporting the route
- A Timed bonus with no structured window set shows "could not verify" instead of a false pass or fail
- A Daylight-only bonus arriving outside sunrise–sunset is flagged with the exact window it missed
- Re-running the schedule after any change — a new stop, a different pace — is one click away

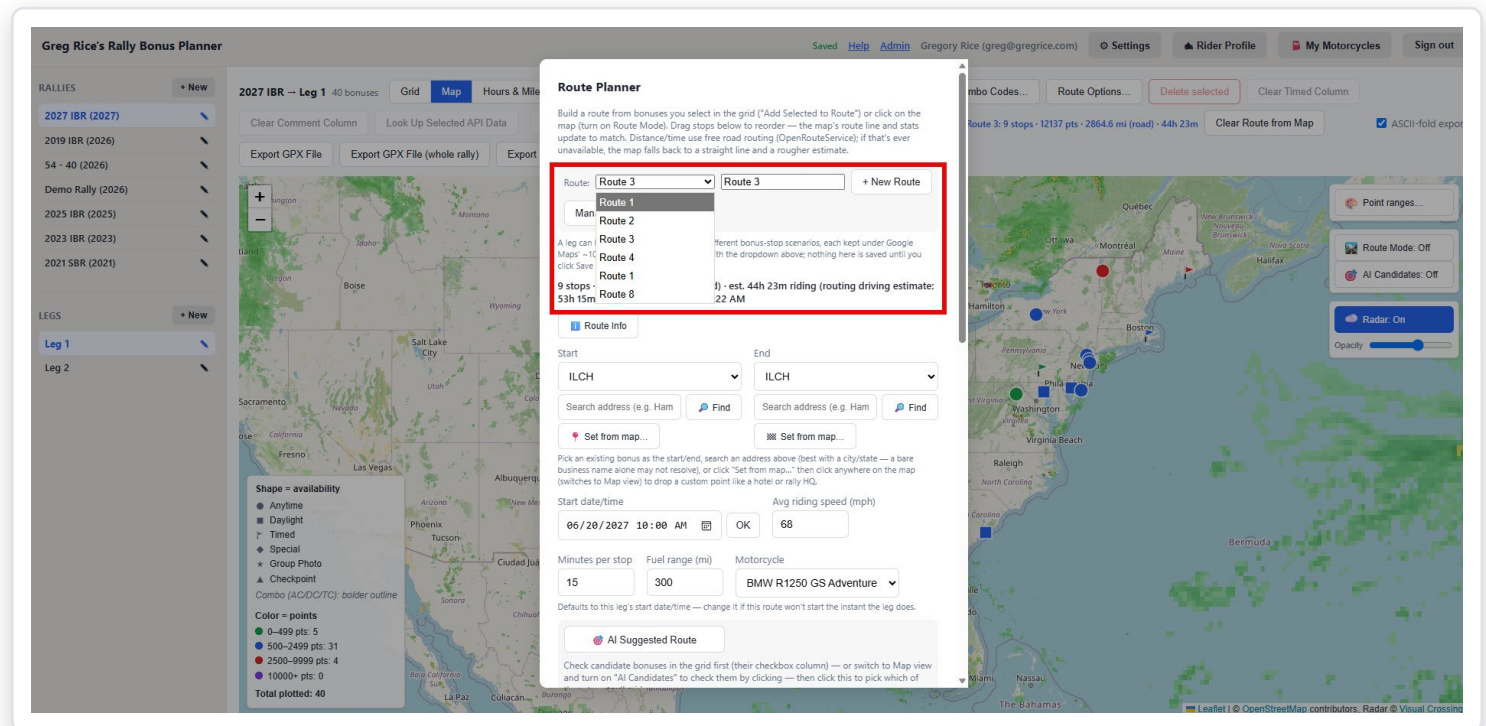
Sun, Jun 20, 10:00 AM – Sun, Jun 20, 10:15 AM	ILCH-644-A (Start)
Sun, Jun 20, 11:00 AM – Sun, Jun 20, 11:45 AM	Lunch stop
Sun, Jun 20, 3:24 PM – Sun, Jun 20, 3:39 PM	Fuel stop
Sun, Jun 20, 4:21 PM – Sun, Jun 20, 4:36 PM	IAAM-1199-T-0800-1700
Sun, Jun 20, 7:15 PM – Sun, Jun 20, 7:30 PM	IALM-904-D
Sun, Jun 20, 8:34 PM – Sun, Jun 20, 8:49 PM	Fuel stop
Sun, Jun 20, 10:05 PM – Sun, Jun 20, 10:20 PM	NELI-823-D ⚠ Daylight-only bonus, but arrival is outside sunrise–sunset (5:55 AM–9:02 PM).
Mon, Jun 21, 12:01 AM – Mon, Jun 21, 6:01 AM	Rest stop
Mon, Jun 21, 7:29 AM – Mon, Jun 21, 7:44 AM	Fuel stop
Mon, Jun 21, 11:00 AM – Mon, Jun 21, 11:45 AM	Lunch stop
Mon, Jun 21, 12:28 PM – Mon, Jun 21, 12:43 PM	COD-6491-A
Mon, Jun 21, 1:08 PM – Mon, Jun 21, 1:23 PM	Fuel stop
Mon, Jun 21, 5:48 PM – Mon, Jun 21, 6:03 PM	Fuel stop
Mon, Jun 21, 10:16 PM – Mon, Jun 21, 10:31 PM	OKER-702-D ⚠ Daylight-only bonus, but arrival is outside sunrise–sunset (6:17 AM–8:50 PM).
Mon, Jun 21, 10:43 PM – Mon, Jun 21, 10:58 PM	Fuel stop
Tue, Jun 22, 12:01 AM – Tue, Jun 22, 6:01 AM	Rest stop
Tue, Jun 22, 9:22 AM – Tue, Jun 22, 9:37 AM	Fuel stop
Tue, Jun 22, 10:37 AM – Tue, Jun 22, 10:52 AM	TXDD-1444-A
Tue, Jun 22, 11:00 AM – Tue, Jun 22, 11:45 AM	Lunch stop
Tue, Jun 22, 2:04 PM – Tue, Jun 22, 2:19 PM	TXHU-556-D
Tue, Jun 22, 3:17 PM – Tue, Jun 22, 3:32 PM	Fuel stop
Tue, Jun 22, 7:57 PM – Tue, Jun 22, 8:12 PM	Fuel stop
Tue, Jun 22, 9:24 PM – Tue, Jun 22, 9:39 PM	ARDA-165-D ⚠ Daylight-only bonus, but arrival is outside sunrise–sunset (5:52 AM–8:23 PM).
Tue, Jun 22, 11:06 PM – Tue, Jun 22, 11:21 PM	TNME-1149-A
Wed, Jun 23, 12:01 AM – Wed, Jun 23, 6:01 AM	Rest stop
Wed, Jun 23, 7:07 AM – Wed, Jun 23, 7:22 AM	Fuel stop
Wed, Jun 23, 9:45 AM – Wed, Jun 23, 10:00 AM	MOSL-225-A
Wed, Jun 23, 11:00 AM – Wed, Jun 23, 11:45 AM	Lunch stop
Wed, Jun 23, 12:46 PM – Wed, Jun 23, 1:01 PM	Fuel stop
Wed, Jun 23, 3:25 PM – Wed, Jun 23, 3:40 PM	ILCH-644-A (Finish)

Timed and Daylight-only warnings appear right at the stop they apply to.



Multiple routes per leg

- A leg isn't limited to one route — the Route: dropdown builds and saves several named scenarios for the same leg
- Useful because Google Maps-based tools can reject a route with more than ~10–25 stops in one go
- Split a big leg into a few smaller routes, each comfortably under that limit
- + New Route starts a blank scenario; nothing is written until you add stops and save it

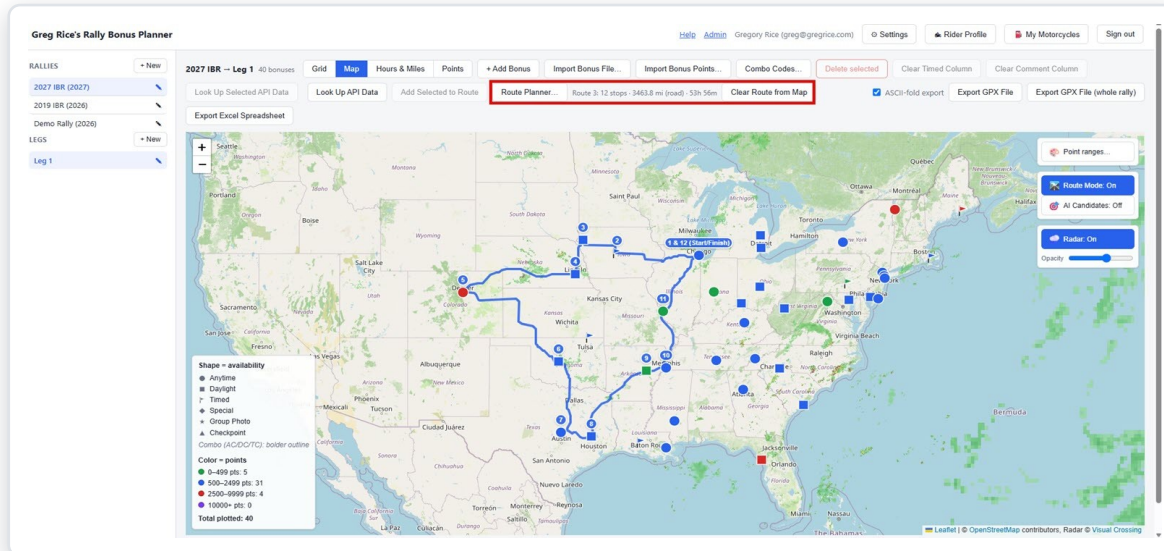


The Route: dropdown lists every saved route for this leg.

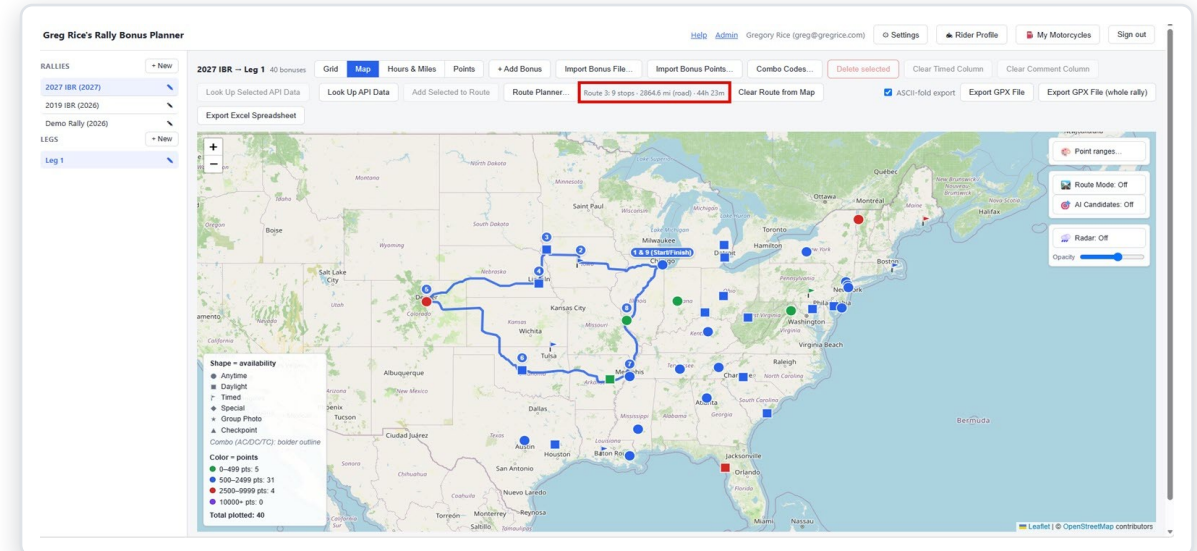


Switching between saved routes

- Switching the dropdown swaps the map's route line and stats to match whichever route is selected
- Exporting GPX/KML names the file after the specific route, so two scenarios never overwrite each other
- Clear Route from Map hides the current route and its gas stops without deleting anything
- Pick it again from the dropdown any time to bring it right back



One saved route for this leg — 12 stops.



A different, shorter scenario for the same leg — 9 stops.



7

Hours & Miles, and Points

Two rally-wide worksheets for planning your pace and your score before you ever leave the driveway.



Hours & Miles page

- Click Hours & Miles in the toolbar for this rally's planning worksheet — covers up to 3 legs
- Checkpoints table resolves each leg's start/end address to coordinates and a time zone
- Legs table: your inputs on the left (rest, gas stops, bonus stops, misc hours) and computed riding hours/miles on the right
- A bold Rally totals row sums everything across every leg in use — saved automatically as you type

Greg Rice's Rally Bonus Planner

[Help](#) [Admin](#) Gregory Rice (greg@gregrice.com) [Settings](#) [Rider Profile](#) [My Motorcycles](#) [Sign out](#)

RALLIES

+ New

2027 IBR (2027)

2019 IBR (2026)

Demo Rally (2026)

2023 IBR (2023)

LEGS

+ New

Leg 1

Leg 2

Leg 3

2023 IBR -- Leg 1 40 bonuses

Grid

Map

Hours & Miles

Points

Saved

Look up each checkpoint's address for its coordinates and time zone, then fill in each leg's dates and stop-time assumptions. Riding hours and distance possible update automatically as you type.

Legs: 3

CHECKPOINTS

CHECKPOINT	ADDRESS	COORDINATES / TIME ZONE
Leg 1 start	Pittsburgh, PA, USA	Look up 40.4387, -79.9972 · UTC-5
Leg 1 end / Leg 2 start	Tulsa, OK, USA	Look up 36.1551, -95.9895 · UTC-6
Leg 2 end / Leg 3 start	Denver, CO, USA	Look up 39.7392, -104.9903 · UTC-7
Leg 3 end	Pittsburgh, PA, USA	Look up 40.4387, -79.9972 · UTC-5

LEGS

LEG	START	END	ROUTING HRS	REST HRS/DAY	REST HRS	GAS STOPS/DAY	# GAS STOPS	GAS STOP MIN	GAS STOP HRS	BONUS STOPS/DAY	# BONUS STOPS	BONUS STOP MIN	BONUS STOP HRS	MISC HRS	AVG MPH	AVG MPG	FUEL \$/GAL	LEG HRS	LEG DAYS	RIDING HRS	MILES	GALLONS	FUEL COST
Leg 1	06/19/2023 10:00 AM	06/21/2023 10:00 PM	0	4	10.17	4	10.17	10	1.69	8	20.33	10	3.39	0	68	35	4	61.0	2.54	45.8	3111	88.9	\$355.54
Leg 2	06/22/2023 04:00 AM	06/24/2023 10:00 PM	0	4	11.17	4	11.17	10	1.86	8	22.33	10	3.72	1	68	35	4	67.0	2.79	49.3	3349	95.7	\$382.74
Leg 3	06/25/2023 04:00 AM	06/30/2023 10:00 AM	0	4	20.67	4	20.67	10	3.44	8	41.33	10	6.89	2	68	35	4	124.0	5.17	91.0	6188	176.8	\$707.20
Rally totals			0.0	12.00	42.00	12.00	42.00	30.0	7.00	24.00	84.00	30.0	14.00	3.0	68.0	35.0	\$4.00	252.0	10.50	186.0	12648	361.4	\$1445.49

Checkpoints, a Legs table, and a bold Rally totals row along the bottom.



Points page

- Click Points in the toolbar for this rally's bonus point plan — how many points each leg needs
- Enter the Target points the rally master published, plus your planned rest/call-in/tracking/arrival bonuses
- The red Points needed column updates live: how many bonus points your route still needs to hit target
- Fill in Planned route pts from your route, then Actual scored after the rally to see your final +/- vs. target

Greg Rice's Rally Bonus Planner

2019 IBR -- Leg 1

Grid Map Hours & Miles Points Saved

Enter each leg's target points from the rally master and your planned non-riding bonuses (rest, call-ins, tracking, arrival) — the Gold-finish target, each bonus's percent of target, and how your planned route and actual score compare to target all update automatically as you type.

Legs: 1

LEG	TARGET PTS	GOLD TARGET (+40%)	REST BONUS	REST % OF TARGET	CALL-IN 1	CALL-IN 1 %	CALL-IN 2	CALL-IN 2 %	TRACKING BONUS	TRACKING %	ARRIVAL BONUS	ARRIVAL %	NON-RIDING TOTAL	NON-RIDING %	POINTS NEEDED	PLANNED ROUTE PTS	PLANNED + NON-RIDING	DIFF VS TARGET	ACTUAL SCORED	+/- VS TARGET
Leg 1	25,000	35,000	5,000	20%	1,500	6%	1,000	4%	0	0%	1,000	4%	8,500	34%	16,500	20,000	28,500	3,500	0	-25,000
Rally totals	25,000	35,000	5,000	20%	1,500	6%	1,000	4%	0	0%	1,000	4%	8,500	34%	16,500	20,000	28,500	3,500	0	-25,000

Target and non-riding inputs on the left, the red Points needed column, and a Rally totals row.



8

Exporting Your Work

Take everything you've built out of the browser and onto your GPS.



EXPORTING

Exporting GPX & XLSX

- Export GPX — every bonus waypoint for the current leg, ready to load onto a GPS or into Basecamp
- Export GPX (whole rally) — every leg's bonuses in one file
- Export XLSX — a spreadsheet copy of the current leg's grid
- ASCII-fold export (on by default) strips accented characters for older GPS units that don't handle them well

Greg Rice's Rally Bonus Planner

2019 IBR — Leg 1 61 bonuses

Grid Map Hours & Miles Points + Add Bonus Import Bonus File... Import Bonus Points... Combo Codes... Route Options... Delete selected Clear Timed Column

Clear Comment Column Look Up Selected API Data Clear Selection Look Up API Data Add Selected to Route Route Planner...

Export Excel Spreadsheet

ASCII-fold export Export GPX File Export GPX File (whole rally)

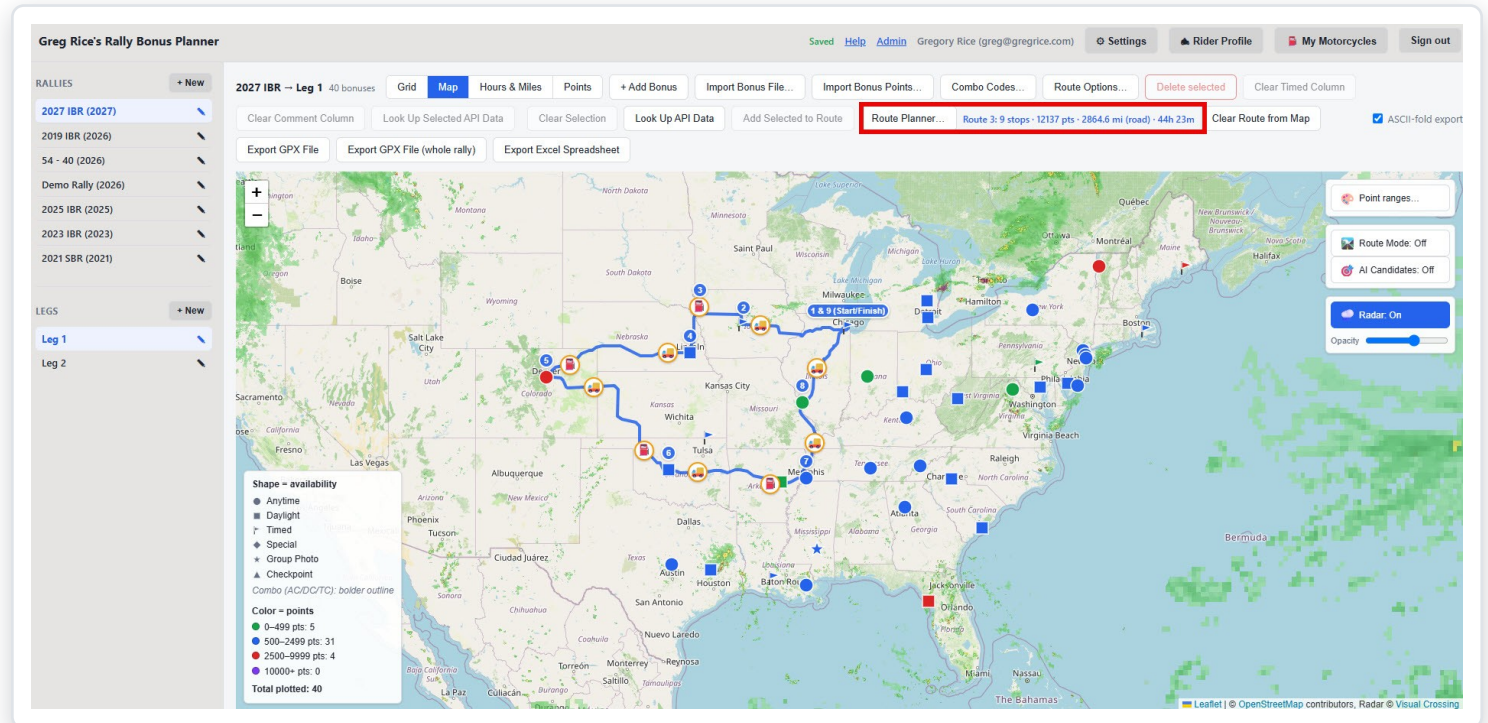
			Formatted Bonus Code	Code	Lat	Lon	Points	Avail	Timed		Comment	Combo	TZ	Sunrise	Sunset
☐	X	☆	ADLER-612-D	ADLER	41.858100	-87.616000	612	D					-6	4:40 AM	
☐	X	☆	ALIEN-1650-D	ALIEN	37.647200	-115.745000	1650	D				MISS1, Rio1	-8	4:44 AM	
☐	X	☆	BLCYN-853-D	BLCYN	38.580600	-107.716300	853	D					-7	5:09 AM	
☐	X	☆	BTH-1022-A	BTH	45.522200	-108.862400	1022	A					-7	4:55 AM	
☐	X	☆	BWLOK-1000-T-10-18	BWLOK	36.961100	-81.101500	1000	T	10-18				-5	5:27 AM	
☐	X	☆	CHMNY-265-D	CHMNY	41.718300	-103.331800	265	D							
☐	X	☆	CHRCX-179-T-8-5	CHRCX	35.439800	-82.248500	179	T	8-5						
☐	X	☆	CREEDE-2103-A	CREEDE	37.848000	-106.925600	2103	A							
☐	X	☆	CROCK-244-T	CROCK	38.842300	-100.170100	244	T					-6	5:38 AM	
☐	X	☆	CRYST-906-T-9-17	CRYST	42.433800	-90.620500	906	T	9-17			COLO1, COLO2	-5	5:37 AM	
☐	X	☆	CULV-211-D	CULV	41.219000	-86.417000	211	D					-6	5:09 AM	
☐	X	☆	DAUP-751-T-9-17	DAUP	30.254200	-88.112400	751	T	9-17			RED1, RED2	-7	4:39 AM	
☐	X	☆	DELI-803-D	DELI	38.734000	-109.501300	803	D							
☐	X	☆	DUNES-101-D	DUNES	41.229400	-101.844900	101	D							
☐	X	☆	ELKR-767-D	ELKR	46.857500	-116.396300	767	D							
☐	X	☆	FAITH-4321-A	FAITH	44.457600	-110.827000	4321	A							
☐	X	☆	FLAM-8297-A	FLAM	25.142800	-80.923200	8297	A							
☐	X	☆	FONT-972-G-16	FONT	35.448300	-83.816000	972	G	16		Group Photo - Sunset: 8:54 PM				
☐	X	☆	FORTMTN-344-D	FORTMTN	34.766100	-84.769600	344	D							
☐	X	☆	FWF-328-D	FWF	35.707300	-92.961900	328	D							
☐	X	☆	GNITE-874-D	GNITE	44.809000	-118.423500	874	D							
☐	X	☆	HURR-5566-D	HURR	47.969500	-123.498200	5566	D							
☐	X	☆	INGAP-613-D	INGAP	35.608200	-83.826000	613	D							

The export buttons live on the right side of the grid's toolbar.



Exporting your actual route

- Want a real road-following line, not just a flat waypoint list? That's the Route Planner's own export
- Export Route GPX and Export KML include the calculated route line, ready for Basecamp, Garmin, or a GPS
- Named after the specific route, so exporting two scenarios from the same leg gives two distinct files
- Your GPS recalculates the exact road path itself once you load and activate the route



The finished route — a road-following line through every stop.



Ride safe, and good luck finding those bonuses.

Questions? support@gregrice.com