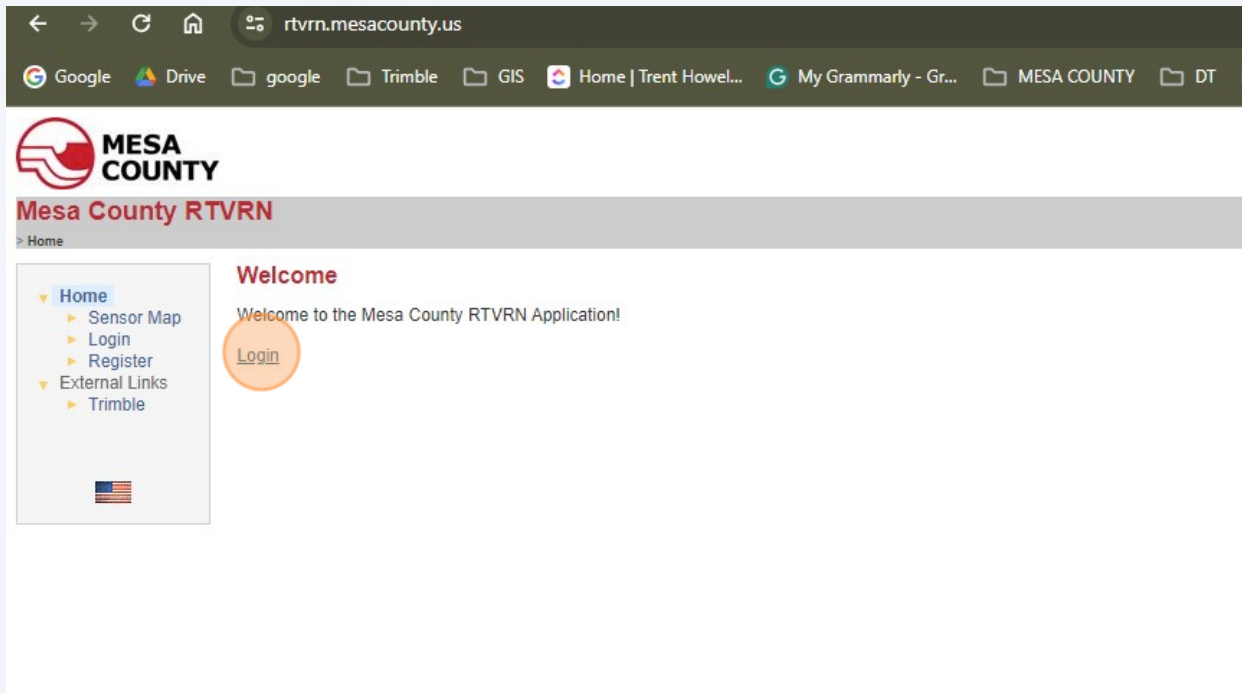


How to download Static GPS/GNSS (Rinex) Files

1 Go to rtvrn.mesacounty.us and click login



2

Use your current login credentials. This is the same username and password that is used for corrections on your survey rover or GPS device. If you do not know your credentials please go to the "Lost RTVRN Credentials Instructions" pdf located [here](#).

If you do not have an account and would like to just download the Static files there is a guest account available. The username and password is:

Username: **guest**

password: **guestguest**

If you have an account it is best to use your current login credentials because you can save your downloads to your login. The "guest" account will delete the logins after a few days.



Mesa County RTVRN

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Login

Login

Please enter your organization, user name and password to log in:

Organization:

User Name:

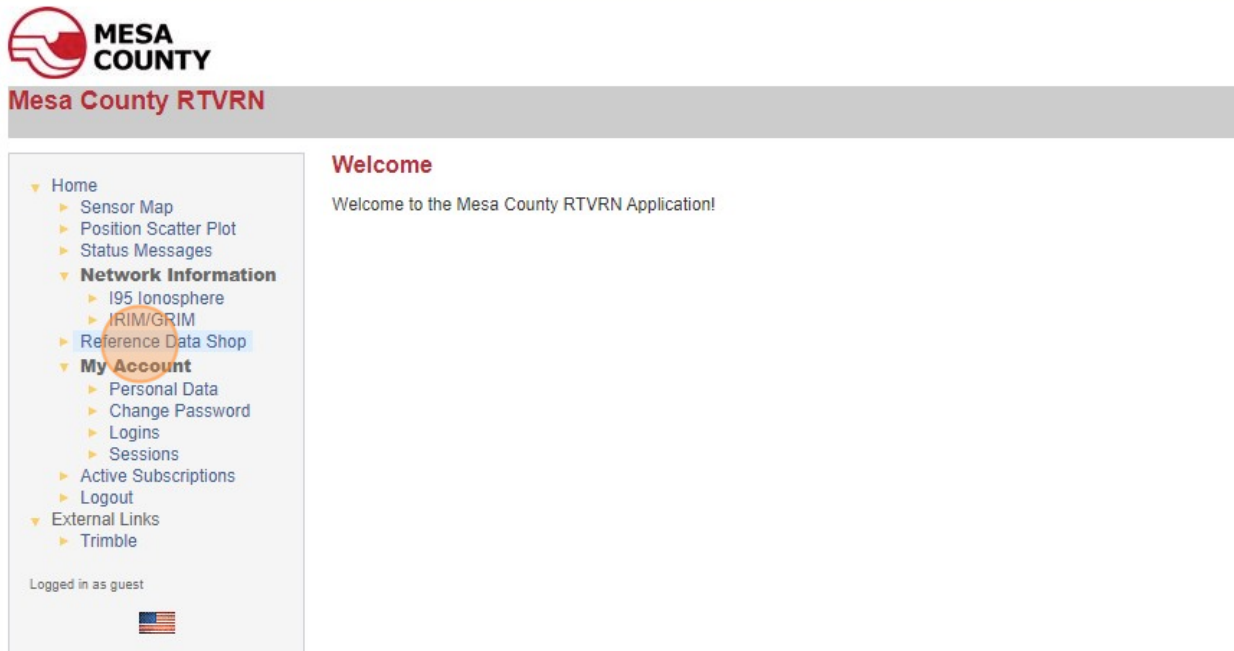
Password:

☐ Remember me next time

[Forgot your password?](#)

Login

3 Click Reference Data Shop.



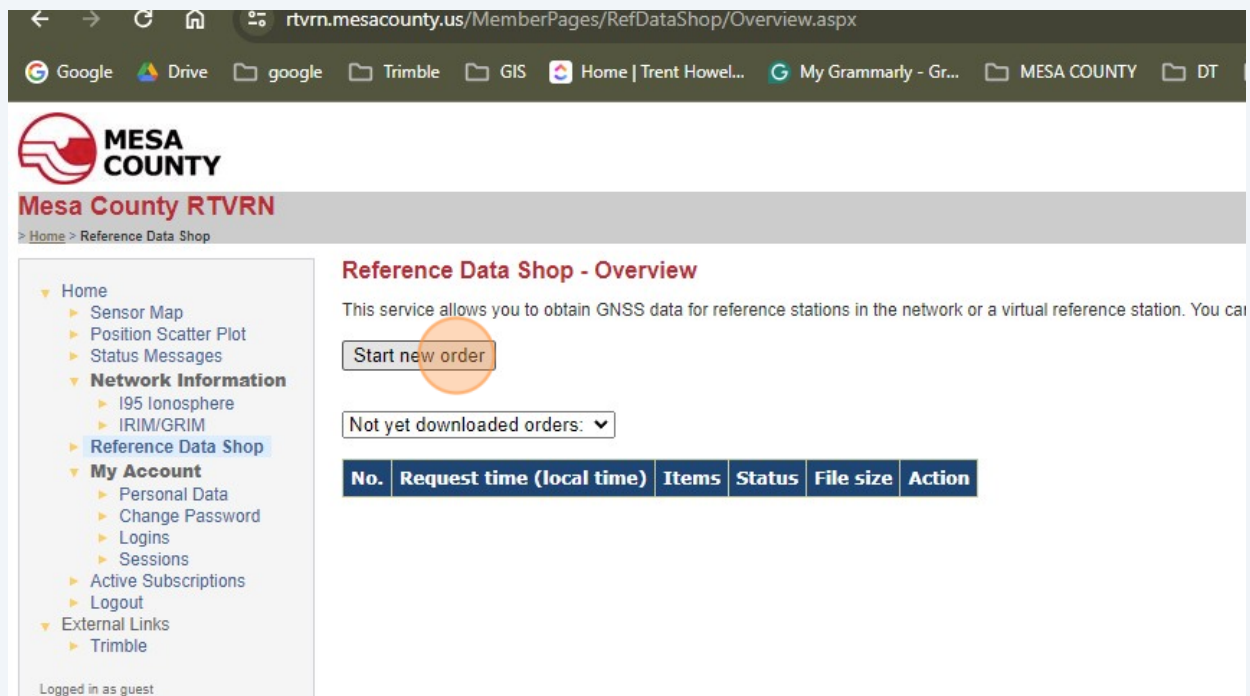
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Logged in as guest

Welcome
Welcome to the Mesa County RTVRN Application!

4 Click Start new order



rtvrn.mesacounty.us/MemberPages/RefDataShop/Overview.aspx

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Logged in as guest

Reference Data Shop - Overview

This service allows you to obtain GNSS data for reference stations in the network or a virtual reference station. You can

Start new order

Not yet downloaded orders: ▼

No.	Request time (local time)	Items	Status	File size	Action
-----	---------------------------	-------	--------	-----------	--------

5

Click "Continuously Operating Reference Station (CORS)"

rtvrn.mesacounty.us/MemberPages/RefDataShop/StationType.aspx?OrderID=-1

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Logged in as guest

Reference Data Shop - Station Type

Please select the reference station type for your GNSS data generation:

- Continuously Operating Reference Station (CORS)
- or
- Virtual Reference Station (VRS)

<< Back: Order

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Select a Base Station either on the map or in the box on the right of the screen.

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Logged in as guest

Reference Data Shop - Reference Stations

Choose one or more reference stations by clicking in the list or in the map. If you want to select multiple stations from the list, press and hold down the CTRL key and click with the mouse.

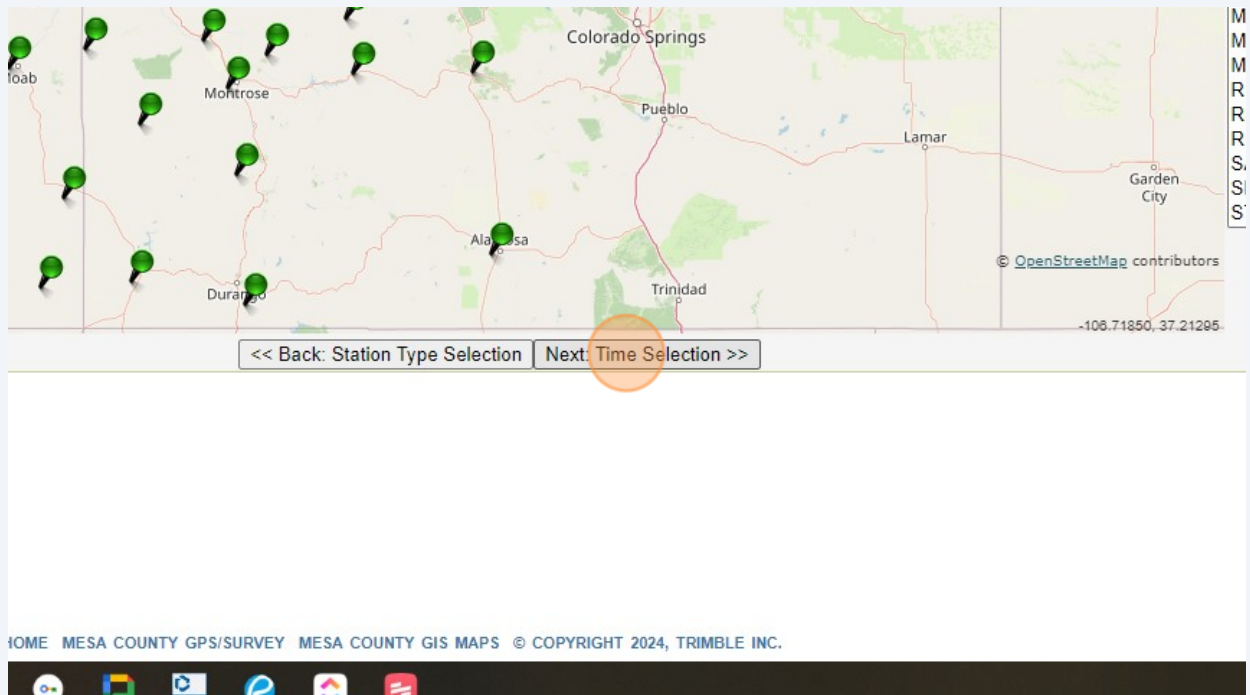
Available Reference Stations

CNC1_Rangley
 COA1_Aspen
 COAL_Alamosa
 COCO_Cortez
 CT04_Durango
 EPP1_Craig
 GCO1_Gunnison
 GSC1_Glenwood Sprin
 MC01_FireStation2
 MC02_Landfill
 MC03_Fruita
 MC04_Gateway
 MC05_Delta
 MC06_Mack
 MC07_Debeque
 MC08_Cullman
 MC09_Nucia
 MC10_Montrose
 R301_CDOT_Crawford
 RBC1_Meeker
 RC01_Rifle
 SA01_Salida
 SE01_Carbondale
 STBT_Steamboat Sprin


<< Back: Station Type Selection | Next: Time Selection >>

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7 Click "Next: Time Selection>>"



8 Select the Date and time of the observation period. This is GPS/UTC time so make the adjustment -7 for MST and -6 for MDT




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logged in as guest




Reference Data Shop - Date & Time Selection

You have selected the following reference station(s):

(MC02) MC02_Landfill

Please enter your desired observation period:


Observation Period	
Date:	2/28/2024 
Start time:	13 h 0 m 0 s
Duration:	0 h 30 m
Interval:	15 s
Time system:	GPS

<< Back: Reference Stations Next: Add to order >>

9 Select the interval for the static data

- Position Scatter Plot
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Logged in as guest



(MC02) MC02_Landfill

Please enter your desired observation period:

Observation Period	
Date:	2/27/2024
Start time:	12 h 0 m 0 s
Duration:	0 h 30 m
Interval:	15 s
Time system:	2

<< Back: Reference Stations Next: Add to order >>

10 Click here

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5 Ionosphere

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Test



(MC02) MC02_Landfill

Please enter your desired observation period:

Observation Period	
Date:	2/27/2024
Start time:	12 h 0 m 0 s
Duration:	1 h 30 m
Interval:	5 s
Time system:	GPS

<< Back: Reference Stations Next: Add to order >>

11 Check the box of the station.

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Logged in as guest

Reference Data Shop - Your current Order

The following items are currently in your order. You may add further items, remove items or proceed with delivery options.

	Station	Start time	End time	Duration (min.)	Interval (sec.)
<input checked="" type="checkbox"/>	(MC02) MC02_Landfill	2/27/2024 12:00 PM	2/27/2024 1:30 PM	90	5
Total:				90	

Applying to selected item: [More data for station](#) [More data for time period](#) [Remove](#)

Login used for this order: guest

[^ Back to Overview](#) [Cancel order](#) [Add more stations](#) [Next: Delivery Options >>](#)

* Note: The displayed price is just an estimate. The true price may change due to missing epochs or overlapping contract items in your subscription.

All times are in the GPS time system.

12 Click "Next: Delivery Options>>"

Reference Data Shop - Your current Order

The following items are currently in your order. You may add further items, remove items or proceed with delivery options and data generation.

Station	Start time	End time	Duration (min.)	Interval (sec.)	Epochs	Est. Price*
(MC02) MC02_Landfill	2/27/2024 12:00 PM	2/27/2024 1:30 PM	90	5	1080	0.00 \$
Total:			90		1080	0.00 \$

Applying to selected item: [More data for station](#) [More data for time period](#) [Remove](#)

Login used for this order: guest

[Back to Overview](#) [Cancel order](#) [Add more stations](#) [Next: Delivery Options >>](#)

The displayed price is just an estimate. The true price may change due to missing epochs or overlapping contract items in your subscription and cannot be determined until the final GNSS data files are in the GPS time system.

13 Select the Static data format.

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Logged in as guest

Reference Data Shop - Delivery Options

You can choose to either download the generated reference data files or to send them to you by e-mail. In the latter case you don't have to wait until the files are generated, which may take some time, depending on the amount of requested data.

☒ Download the data

☐ Notify me by e-mail when the data is generated

or

☐ Send me the data by e-mail

Choose the file format (all files will be packed into a single ZIP archive):

RINEX 2.11 ▼
RINEX 2.11
RINEX 2.10
RINEX 3.02
RINEX 3.03
RINEX 3.04
DAT
TGD
T01
T02

Current Order

Next: Generate Data >>

14 Click "Next: Generate Data>>"

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- ▶ Trimble

as guest

You can choose to either download the generated reference data files or to send them to you by e-mail. In the latter case you don't have to wait until the files are generated, which may take some time, depending on the amount of requested data.

☒ Download the data

☐ Notify me by e-mail when the data is generated

or

☐ Send me the data by e-mail

Choose the file format (all files will be packed into a single ZIP archive):

RINEX 2.11 ▼

<< Back: Current Order

Next: Generate Data >>

15 Click "Next: Order Details>>"

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Reference Data Shop - Data Generation

Data generation finished.
You can now view the results and download the data on the next page.

<< Back: Overview **Next: Order Details >>**

16 Select the order check box.

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Logged in as guest

Reference Data Shop - Order #1

The following order items have been generated. You may view the details of each item, remove single items from the o

	Station	Start time	End time	Duration (min.)	Interval
<input type="checkbox"/>	(MC02) MC02_Landfill	2/27/2024 12:00 PM	2/27/2024 1:30 PM	90	5
Total:				90	

Applying to selected item: [Details](#) [Remove](#)

By downloading the order you will be charged the above total price.

Login used for this order: guest

[^ Back to Overview](#) [Cancel order](#) [Send by e-mail](#) [Download](#)

All times are in the GPS time system.

17 Click "Download"

Following order items have been generated. You may view the details of each item, remove single items from the order or finally submit the order and download the w

Station	Start time	End time	Duration (min.)	Interval (sec.)	Epochs req./ available	Eff. Minu
(MC02) MC02_Landfill	2/27/2024 12:00 PM	2/27/2024 1:30 PM	90	5	1080 / 1080	90
Total:			90		1080 / 1080	90

Click to selected item:

Details

Remove

When downloading the order you will be charged the above total price.

Used for this order: guest

Click to Overview

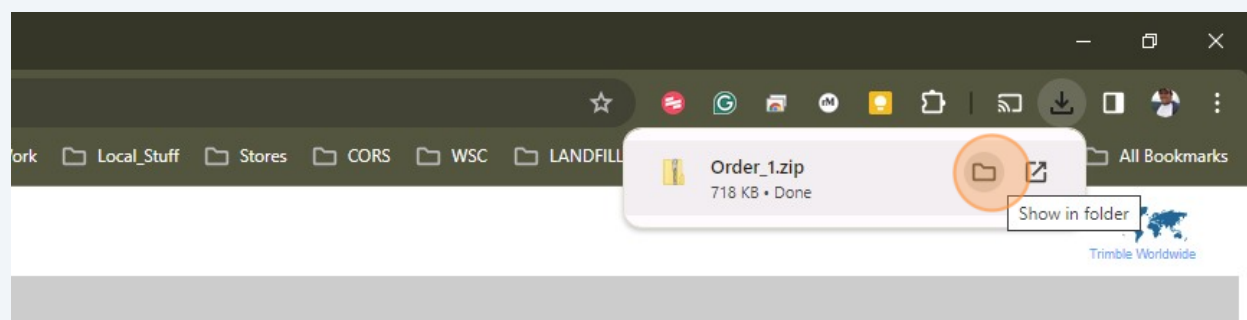
Cancel order

Send by e-mail

Download

Times are in the GPS time system.

18 It will be sent to you download folder.



Download the whole package.

Eff. Minutes	Price
90	0.00 \$
90	0.00 \$