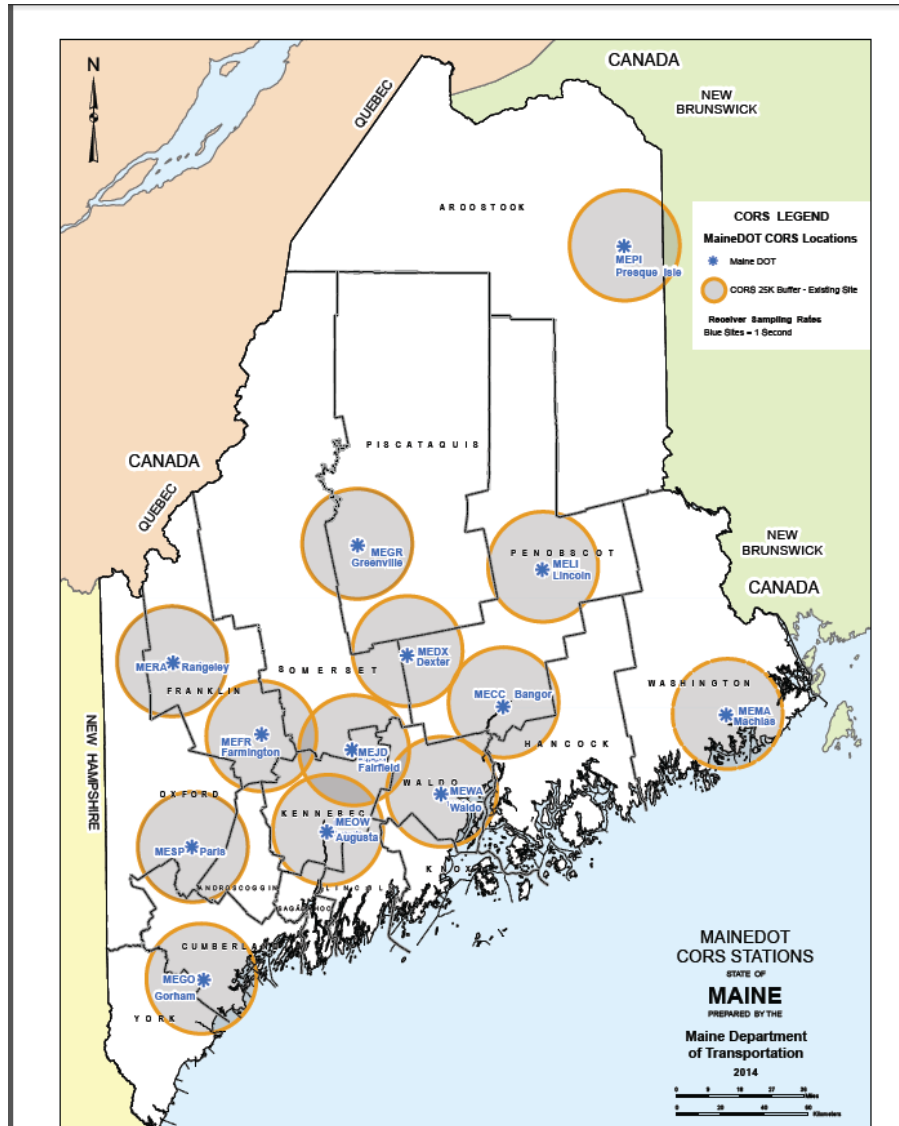


MaineDOT CORS

How to obtain RINEX data files

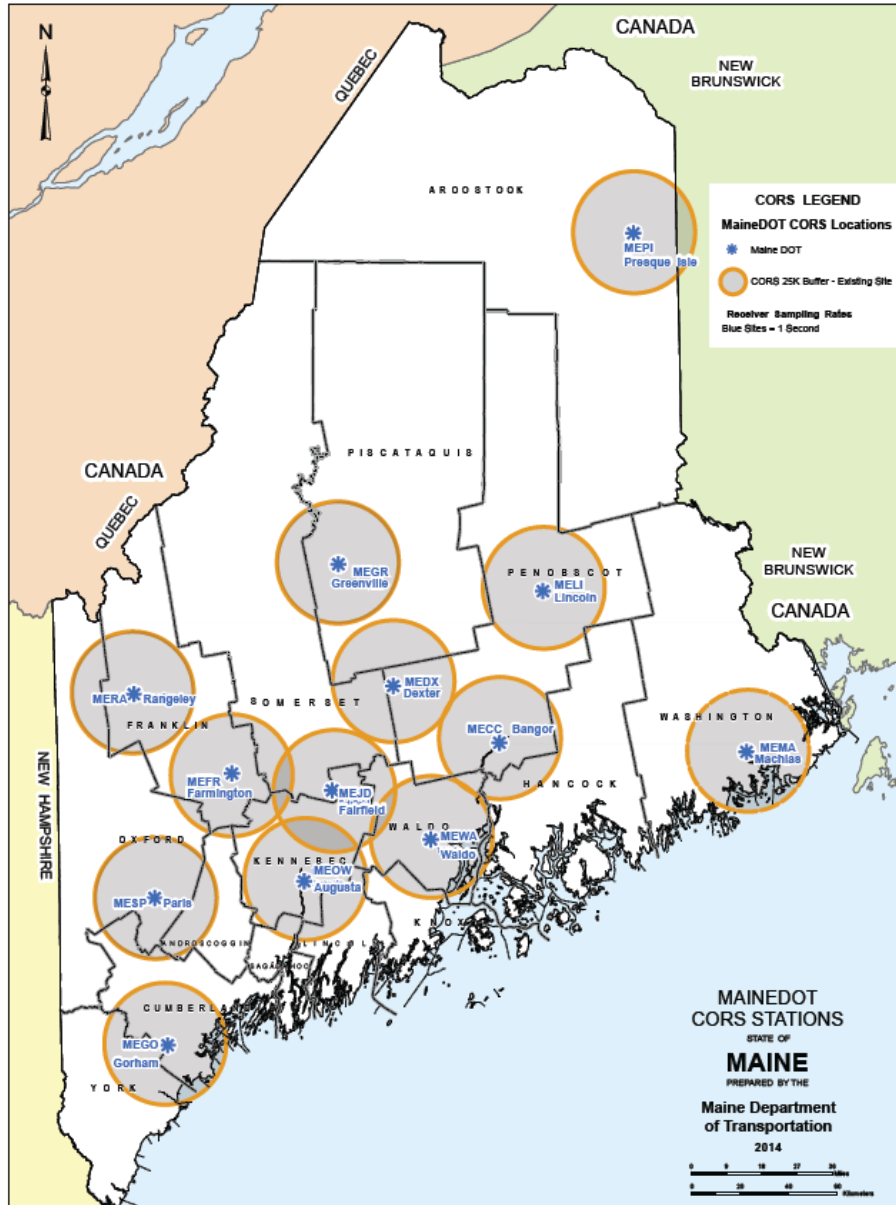


Obtain Login and Password

- Contact:
- Harry Nelson: Harold.Nelson@maine.gov
207-624-3517.
- Jason Everett: Jason.Everett@maine.gov
- 207-624-3657.

Important: Guest Login is no longer an option.

MaineDOT 13 CORS



MaineDOT CORS data is provided free of charge to users who have a Login and Password. RTK users will need a cell phone data plan from a cell phone company.

Data is collected at one second intervals (epochs) and stored at the Augusta Server and is available for Real-Time-Kinematic (RTK) VRS, Single Vector, or RINEX data for post processing.

MaineDOT stores data with original integrity (one second) for 2 months. NGS saves the 1 second data for 'a period of time', then parses to 30 second epochs for long term storage.

It is advisable to obtain the RINEX files as soon as possible so you have robust data files to work with.

Go to: <http://maine.gov/mdot/surveyinfo/>

The screenshot shows a web browser window with the URL <http://maine.gov/mdot/surveyinfo/>. The page features the MaineDOT logo and a navigation menu with links for Agencies, Services, and Help. A search bar is located in the top right corner. The main content area is titled "Survey and Right of Way Information" and includes a sidebar with links for Home and Contact Us. The main text describes the Survey Section's role in managing the CORS program and provides contact information for Harry Nelson. Below this, there are four expandable sections: "CORS Setup", "Control Survey and CORS Data", "Right of Way Map Data", and "Useful Links and Data". The "Control Survey and CORS Data" section is currently expanded, showing a list of links including CORS Data (RINEX) Through Trimble Server, CORS NAD83 (2011) Epoch 2010 Metadata (PDF), CORS and County Map (PDF), State Plane Coordinate Information Used in Maine (PDF), State Plane Coordinate Zones Map (PDF), Control Map Viewer, and ME2000 Low Distortion 3 Zones: information regarding 3 zone law.

http://maine.gov/mdot/surveyinfo/

Agencies Services Help

207-624-3000 | Jobs | News | Events | Search

Doing Business Government Residents Explore Maine About

Survey Information

Home

Contact Us

Survey and Right of Way Information

Survey Section: The Survey Section of the Property Office manages the MaineDOT GPS Continuously Operating Reference Station (CORS) program and provides State Plane Coordinates and Datum Elevations for MaineDOT's preliminary and construction engineering projects, as well as data referencing older surveys and older Right of Way Maps. Contact Harry Nelson for matters regarding CORS Set-up or to report problems with the CORS.

Right of Way Research Section: The Right of Way Research Section locates Right of Way Maps for Maine highways for use within MaineDOT as well as for private surveyors and the general public. Please request Right of Way Maps from Joe Berry in the Research Section.

+ CORS Setup

- Control Survey and CORS Data

- [CORS Data \(RINEX\) Through Trimble Server](#)
- [CORS NAD83 \(2011\) Epoch 2010 Metadata \(PDF\)](#)
- [CORS and County Map \(PDF\)](#)
- [State Plane Coordinate Information Used in Maine \(PDF\)](#)
- [State Plane Coordinate Zones Map \(PDF\)](#)
- [Control Map Viewer](#)
- [ME2000 Low Distortion 3 Zones: information regarding 3 zone law](#)

+ Right of Way Map Data

+ Useful Links and Data

http://mdotcors.maine.gov/

Select: Control Survey and CORS Data

Select:

CORS Data (RINEX) Through Trimble Server

Control Survey and CORS Data

- [CORS Data \(RINEX\) Through Trimble Server](#)
- [CORS NAD83 \(2011\) Epoch 2010 Metadata \(PDF\)](#)
- [CORS and County Map \(PDF\)](#)
- [State Plane Coordinate Information Used in Maine \(PDF\)](#)
- [State Plane Coordinate Zones Map \(PDF\)](#)
- [Control Map Viewer](#)
- [ME2000 Low Distortion 3 Zones: information regarding 3 zone law](#)

Select Login



MaineDOT

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Maine Department of Transportation Pivot Web

> Home

- ▼ Home
 - ▶ Sensor Map
 - ▶ Login
- ▼ External Links
 - ▶ MaineDOT Survey and Right of Way



Welcome

Welcome to the Maine Department of Transportation Trimble Pivot Web Application!

[Login](#)

Enter User Name and Password

(Password is case sensitive)

Login

Login

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

Organization: Leave Blank

User Name:

Password:

☐ Remember me next time

Login

Note: Guest Login is no longer an option

Select Reference Data Shop



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Maine Department of Transportation Pivot Web

- ▼ Home
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 - ▶ Status Messages
- ▼ **Network Information**
 - ▶ I95 Ionosphere
 - ▶ IRIM/GRIM
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 - ▶ Logout
- ▼ External Links
 - ▶ MaineDOT Survey and Right of Way

Logged in as Maine Department of
Transportation/Harold_Nelson



Welcome


Welcome to the Maine Department of Transportation Trimble Pivot Web Application!

Select: Start New Order

Maine Department of Transportation


mdotcors.maine.gov/MemberPages/RefDataShop/Overview.aspx

Apps Best of the Web Channel Guide Free Hotmail index.asp Internet Explorer Internet Start NGS DATASHEET



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Trimble Worldwide

Maine Department of Transportation Pivot Web

> Home > Reference Data Shop

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Logged in as Maine Department of Transportation/harold_nelson



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 order and immediately download the requested data files which will either be in RINEX ("Receiver INdependent EXchange") or in a different format.

Start new order

Not yet downloaded orders: ▼

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


Select: Continuously Operating Reference Station (CORS)



Maine Department of Transportation Pivot Web

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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

Note: Virtual Reference Station (VRS) is not an option.

From the listing on the right, select CORS from which you want data

(holding Ctrl key down allows you to do multiple selections)

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

+

-

Station name: MERA

Station code: MERA

Latitude: N 44° 58' 25.33352"

Longitude: W 70° 39' 10.58376"

Elevation: 489.568

MECC

MEDX

MEFR

MEGO

MEGR

MEJD

MELI

MEMA

MEOW

MEPI

MEQA

MESP

MEWA

100 km

50 mi

<< Back: Station Type Selection

Next: Time Selection >>

At bottom of screen Select:

Next:Time Selection

Select:

Date, Start Time, Duration and Interval (Epoch)

Note:

Start Time Input must be the earliest start time of the day and be entered as Greenwich Mean Time aka Coordinated Universal Time, or here as GPS Time.

Duration, in Hours and Minutes, must run to the shutdown time of the last station that day.



Maine Department of Transportation Pivot Web

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Reference Data Shop - Date & Time Selection

You have selected the following reference station(s):
(MEGR) MEGR, (MEPI) MEPI, (MERA) MERA

Please enter your desired observation period: 24 hour format:

Observation Period	
Date:	7/18/2016 ▼
Start time:	15 h 0 m 0 s
Duration:	0 h 30 m
Interval:	15 ▼ s
Time system:	GPS = GMT [GPS time = EST + 05 hour(s) (winter time)] [GPS time = EST + 04 hour(s) (summer time)]

<< Back: Reference StationsNext: Add to order >>

Now select:

Next: Add to order>>

Your Current Order



Maine Department of Transportation Pivot Web

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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*
<input type="radio"/>	(MEPI) MEPI	7/18/2016 3:00 PM	7/18/2016 3:30 PM	30	15	120	0.00 \$
<input type="radio"/>	(MERA) MERA	7/18/2016 3:00 PM	7/18/2016 3:30 PM	30	15	120	0.00 \$
<input type="radio"/>	(MESP) MESP	7/18/2016 3:00 PM	7/18/2016 3:30 PM	30	15	120	0.00 \$
Total:				90		360	0.00 \$

Applying to selected item:

Login used for this order: Harold_Nelson

* Note: 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 deter

All times are in the GPS time system.

**Disregard Note on pricing. There is no charge for MaineDOT GPS Data
Select Next: Delivery Options**

Select Delivery Options



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Maine Department of Transportation Pivot Web

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Logged in as Maine Department of
Transportation/Harold_Nelson



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 ▼

<< Back: Current Order

Next: Generate Data >>

Select

Next: Generate Data

Review Order



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Reference Data Shop - Order #15

The 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 whole package.

	Station	Start time	End time	Duration (min.)	Interval (sec.)	Epochs req./ available	Eff. Minutes	Price
<input checked="" type="radio"/>	(MEPI) MEPI	7/18/2016 3:00 PM	7/18/2016 3:30 PM	30	15	120 / 120	30	0.00 \$
<input type="radio"/>	(MERA) MERA	7/18/2016 3:00 PM	7/18/2016 3:30 PM	30	15	120 / 120	30	0.00 \$
<input type="radio"/>	(MESP) MESP	7/18/2016 3:00 PM	7/18/2016 3:30 PM	30	15	120 / 120	30	0.00 \$
Total:				90		360 / 360	90	0.00 \$

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

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

Login used for this order: Harold_Nelson

[^ Back to Overview](#)

[Cancel order](#)

[Send by e-mail](#)

[Download](#)

All times are in the GPS time system.

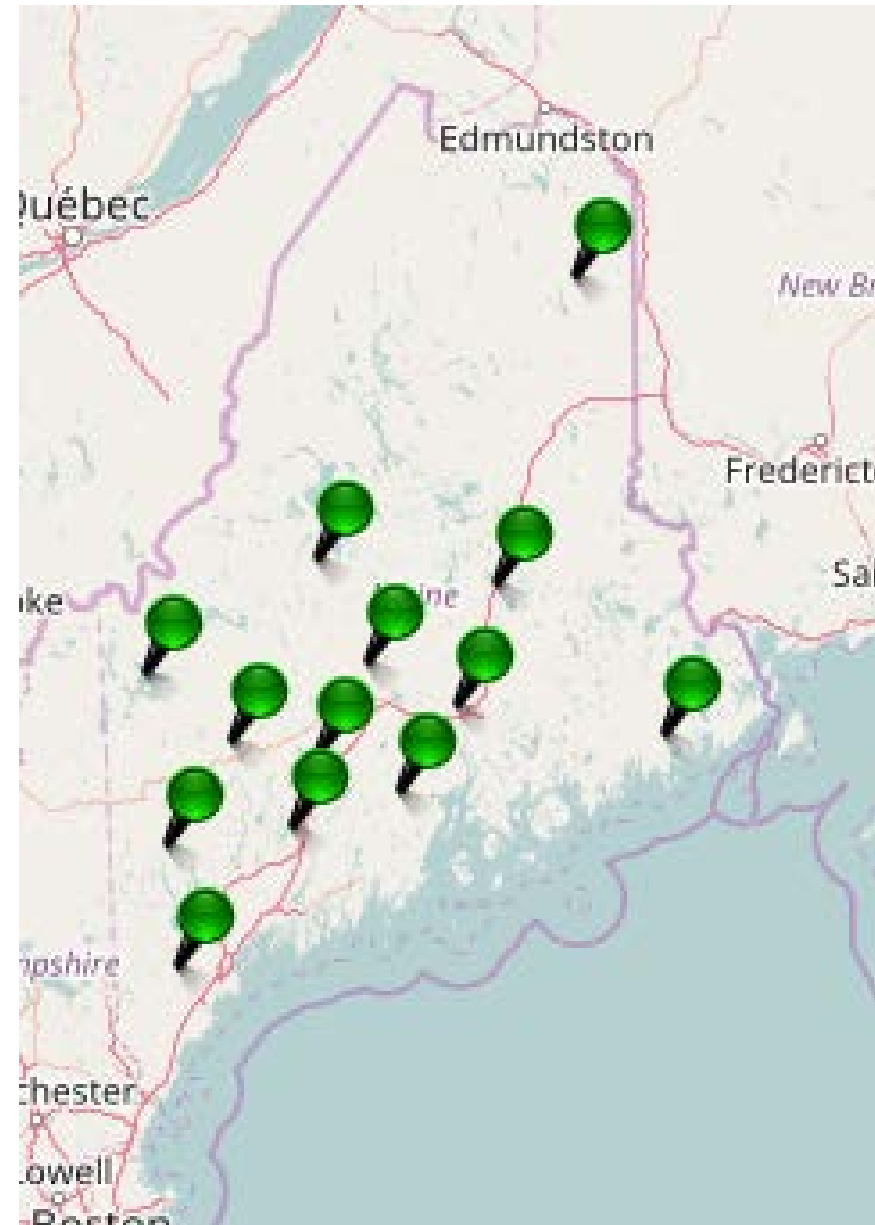
Send by email or Download

Sensor Map

CORS currently sending data to Augusta are shown in green.

CORS shown in red are not sending data to Augusta.

Depending on the problem, once green again, missing data will be sent to Augusta for the RINEX files. Depending on the issue in some cases, data is not recoverable.



Questions and Comments?



MAINE DEPARTMENT OF TRANSPORTATION
PROPERTY OFFICE

HAROLD NELSON
SENIOR GEODESIST

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