MaineDOT CORS

TRIMBLE GNSS REFERENCES STATION WEBSERVER

NAD83(2011) EPOCH 2010

WITH GEOID 12A CALCULATED NAVD88 ORTHO ELEVATIONS

Feb. 2014

Trimble Reference Station Web Server values listed, NAD83(2011)
Compiled Feb. 2014 by H. E. Nelson

MEGO (Trimble NetR5) Geographical coordinates
Latitude: 43° 40' 52.06776" N
Longitude: 70° 27' 3.72437" W
Height: 89.961 m
Ortho Elevation from GEOID 12A:116.399m

MESP (Trimble NetR5) Geographical coordinates
Latitude: 44° 13' 6.19617" N
Longitude: 70° 30' 47.1074" W
Height: 105.463 m
Ortho Elevation from GEOID 12A:132.204m

MERA (Trimble NetR5) Geographical coordinates
Latitude: 44° 58' 25.33352" N
Longitude: 70° 39' 10.58376" W
Height: 489.568 m
Ortho Elevation from GEOID 12A:514.971m

MEPI (Trimble NetR5) Geographical coordinates
Latitude: 46° 40' 14.78001" N
Longitude: 68° 1' 0.42764" W
Height: 148.615 m
Ortho Elevation from GEOID 12A:172.056m

MEJD (Trimble NetR5) Geographical coordinates
Latitude: 44° 36' 29.69633" N
Longitude: 69° 35' 59.54946" W
Height: 55.957 m
Ortho Elevation from GEOID 12A:81.685m

MEOW (Trimble NetR5) Geographical coordinates
Latitude: 44° 17' 45.93624" N
Longitude: 69° 44' 43.57001" W
Height: 37.313 m
Ortho Elevation from GEOID 12A:63.164m

MEMA (Trimble NetR5) Geographical coordinates
Latitude: 44° 42' 35.48062" N
Longitude: 67° 27' 29.75456" W
Height: 19.729 m
Ortho Elevation from GEOID 12A:42.760

MEFR (Trimble NetR5) Geographical coordinates
Latitude: 44° 40' 28.9745" N
Longitude: 70° 7' 54.54215" W
Height: 131.643 m
Ortho Elevation from GEOID12A:157.762m

MEWA (Trimble NetR5) Geographical coordinates
Latitude: 44° 27' 15.19284" N
Longitude: 69° 5' 49.4892" W
Height: 50.696 m
Ortho Elevation from GEOID 12A:75.901

MEDX (Trimble NetR5) Geographical coordinates
Latitude: 45° 1' 34.9079" N
Longitude: 69° 17' 49.08401" W
Height: 141.203 m
Ortho Elevation from GEOID12A:166.307m

MELI (Trimble NetR5) Geographical coordinates
Latitude: 45° 21' 49.15536" N
Longitude: 68° 30' 26.61463" W
Height: 54.567 m
Ortho Elevation from GEOID 12A:78.967m

MEGR (Trimble NetR5) Geographical coordinates
Latitude: 45° 27' 49.23447" N
Longitude: 69° 35' 36.89811" W
Height: 293.886 m
Ortho Elevation from GEOID12A:318.488m

MECC (Trimble NetR5) Geographical coordinates
Latitude: 44° 49' 33.21003" N
Longitude: 68° 44' 38.60195" W
Height: 20.586 m
Ortho Elevation from GEOID 12A:45.407m

Edit Form

MDOT Property Office: 207-624-3460
Control Survey: 207-624-3517
Email MDOT.Survey@maine.gov

Maine Department of Transportation

Control / Monument Description

16 State House Station
Child St
Augusta, ME 04333

LINCOLN CORS ARP MELI

ZONE E | NAD83(2011) **DATABASE** DOT **TYPE** B

DATUM/REALIZATION

H=HORIZ V=VERTICAL B=BOTH D=DESTROYED

CITY LINCOLN **COUNT** PEN

NORTHING ME2000 m 170246.445 **EASTING ME2000 m** 650455.239

NORTHING ME2000 sFT 558550.212 **EASTING ME2000 sFT** 2134035.230

NAVD88 ELEV m 78.967 **NAVD88 ELEV sFT** 259.078 **ORDER/GEOID** G12

R=RTK Y= MDOT(GPS) F=FEDERAL BASENET N=CLASSICAL TRAVERSE C=COOPERATIVE BASENET

DESCRIBED B HEN **DATE SET:** 8/25/2011 **PROJECT** MEDTCORS

Description **SOURCE** Y

DESIGNATION: LINCOLN CORS ARP MELI **** POSITION CHANGE NEW AS OF SEPTEMBER 17, 2012 NAD83(2011) coordinate values and Elevation derived from NGS Lat, Long, Height, Elevation base on Geoid 12. NGS HAE = 54.567m, Geoid 12 Elevation = 78.967m. *** EQUIPMENT: Receiver is a Trimble NetR5, Antenna is a Trimble Zephyr II without RADOME, model number TRM57971.00. Datum Point, Antenna Reference Point (ARP) is Bottom of Antenna Mount (BAM). *** For information or to report an issue, please contact Harold Nelson at 207-624-3517 or email Harold.Nelson@maine.gov. *** LEGACY DATA: NAD83(2007) Preliminary Coordinates N:170246.462m E:650455.216 NAVD88:78.933m

LEGACY DATA

GEOGRAPHIC ddmmss.sssss		*Caution! Do not use Geographic Position or UTM for computations*	UTM Zone 19N m	
LATITUDE:	452149.15536		**NORTHING:**	5023467.083
LONGITUDE:	683026.61463		**EASTING:**	538578.586

Azimuth List INHOUSE USE ONLY. To Station:	Grid Distance	Grid Azim

NAD83(1986) ZONE		NAD83 (1992)	
NORTH m		NORTH m	NGVD29 ELEV m
EAST m		EAST m	NGVD29 ELEV sFT

*** Coordinates Established for Maine Department of Transportation use, Subject to Higher Order Adjustment

*** Meters to sFt (U.S. Survey Feet)conversion: meters X 3.280233333333 (12 significant digits, or (39.37/12)

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Maine Department of Transportation

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MACHIAS CORS ARP MEMA

ZONE E | NAD83(2011) **DATABASE** DOT **TYPE** B

DATUM/REALIZATION

H=HORIZ V=VERTICAL B=BOTH D=DESTROYED

CITY MACHIAS **COUNT** WAS

NORTHING ME2000 m 97479.560 **EASTING ME2000 m** 733022.976

NORTHING ME2000 sFT 319814.190 **EASTING ME2000 sFT** 2404926.214

NAVD88 ELEV m 42.760 **NAVD88 ELEV sFT** 140.288 **ORDER/GEOID** G12

R=RTK Y= MDOT(GPS) F=FEDERAL BASENET N=CLASSICAL TRAVERSE C=COOPERATIVE BASENET

DESCRIBED B HEN **DATE SET:** 11/15/2011 **PROJECT** MEDTCORS

Description **SOURCE** Y

DESIGNATION: MACHIAS CORS ARP MEMA Permanent Mark. *** POSITION CHANGE: NEW OFFICIAL NATIONAL GEODETIC SURVEY COORDINATES AS OF SEPTEMBER 17, 2012 NAD83(2011) coordinate values and Elevation derived from NGS Lat, Long, Height, Elevation base on Geoid 12. NGS HAE = 19.729m, Geoid 12 Elevation = 42.760m. Point Combined Factor: 0.9999906703 *** DESCRIPTON: Antenna is located on the west side of Administration Building? *** EQUIPMENT: Receiver is a Trimble NetR5. Antenna type is TRM57971.00 Trimble Zephyr GNSS Geod. Model 2, Antenna Reference Point (ARP) is Bottom of Antenna Mount (BAM). *** For further information or to report problems, please contact Harold E. Nelson, MaineDOT Property Office at 207-624-3517. *** LEGACY DATA: Superceeded value NAD83(1996) Preliminary N:97479.591m E:733022.954m NAVD88:42.795m from local benchmarks.

LEGACY DATA

GEOGRAPHIC ddmmss.sssss		*Caution! Do not use Geographic Position or UTM for computations*	UTM Zone 19N m	
LATITUDE:	444235.48062		**NORTHING:**	4951875.947
LONGITUDE:	672729.75456		**EASTING:**	622124.159

Azimuth List INHOUSE USE ONLY. To Station: | **Grid Distance** | **Grid Azim**

NAD83(1986) **ZONE** | **NAD83 (1992)**

NORTH m **NORTH m** **NGVD29 ELEV m**

EAST m **EAST m** **NGVD29 ELEV sFT**

*** Coordinates Established for Maine Department of Transportation use, Subject to Higher Order Adjustment

*** Meters to sFt (U.S. Survey Feet)conversion: meters X 3.280233333333 (12 significant digits, or (39.37/12)

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PRESQUE ISLE CORS ARP MEPI

ZONE E **DATUM/REALIZATION** NAD83(2011) **DATABASE** DOT **TYPE** B

H=HORIZ V=VERTICAL B=BOTH D=DESTROYED

CITY PRESQUE ISLE **COUNT** ARO

NORTHING ME2000 m 315347.062 **EASTING ME2000 m** 689150.522

NORTHING ME2000 sFT 1034601.153 **EASTING ME2000 sFT** 2260988.004

NAVD88 ELEV m 172.056 **NAVD88 ELEV sFT** 564.487 **ORDER/GEOID** G12

R=RTK
Y= MDOT(GPS)
F=FEDERAL BASENET
N=CLASSICAL TRAVERSE
C=COOPERATIVE BASENET

DESCRIBED B HEN **DATE SET:** 5/9/2009 **PROJECT** MEDTCORS

Description **SOURCE** Y

DESIGNATION: PRESQUE ISLE CORS ARP MEPI *** POSITION CHANGE NEW OFFICIAL NATIONAL GEODETIC SURVEY COORDINATES AS OF SEPTEMBER 17, 2012 NAD83(2011) coordinate values and Elevation derived from NGS Lat, Long, Height, Elevation base on Geoid 12. NGS HAE = 148.615m, Geoid 12 Elevation = 172.056m. *** EQUIPMENT: Receiver is a Trimble NetR5. Antenna type is TRM57971.00 Trimble Zephyr GNSS Geod. Model 2,Antenna Reference Point (ARP) is Bottom of Antenna Mount (BAM). *** Description: The MaineDOT CORS station is located on the grounds of the University of Maine at Presque Isle at the Library mounted on the western wall. The receiver is a Trimble NetR5 and Antenna is a *** For information on this data or answers to geodetic questions, please email Harold.Nelson@maine.gov *** LEGACY DATA: NAD83(1996) Preliminary Values N:315347.101m E:689150.489m HAE GEOID09=148.645m NAVD88:172.071m

LEGACY DATA

GEOGRAPHIC ddmmss.sssss		*Caution! Do not use Geographic Position or UTM for computations*	UTM Zone 19N m	
LATITUDE:	464014.78001		**NORTHING:**	5169048.700
LONGITUDE:	680100.42764		**EASTING:**	575207.159

Azimuth List INHOUSE USE ONLY. To Station:	Grid Distance	Grid Azim

NAD83(1986)	ZONE	NAD83 (1992)	
NORTH m		NORTH m	NGVD29 ELEV m
EAST m		EAST m	NGVD29 ELEV sFT

*** Coordinates Established for Maine Department of Transportation use, Subject to Higher Order Adjustment

*** Meters to sFt (U.S. Survey Feet)conversion: meters X 3.280233333333 (12 significant digits, or (39.37/12)

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Maine Department of Transportation

Control / Monument Description

16 State House Station
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Augusta, ME 04333

WALDO CORS ARP MEWA

ZONE C **DATUM/REALIZATION** NAD83(2011) **DATABASE** DOT **TYPE** B

H=HORIZ V=VERTICAL B=BOTH D=DESTROYED

CITY WALDO **COUNT** WAL

NORTHING ME2000 m 106023.383 **EASTING ME2000 m** 502222.131

NORTHING ME2000 sFT 347845.049 **EASTING ME2000 sFT** 1647707.108

NAVD88 ELE 75.901 **NAVD88 ELEV** 249.019 **ORDER/GEOID** G12

DESCRIBED BY HEN **DATE SET:** 3/24/2008 **PROJECT** MEDTCORS

R=RTK
Y= MDOT(GPS)
F=FEDERAL BASENET
N=CLASSICAL TRAVERSE
C=COOPERATIVE BASENET

Description **SOURCE** Y

DESIGNATION: WALDO CORS ARP MEWA *** POSITION CHANGE: NEW OFFICIAL NATIONAL GEODETIC SURVEY COORDINATES NAD83(2011) coordinate values and Elevation derived from NGS Lat, Long, Height, Elevation based on Geoid 12. NGS HAE = 50.696m, Geoid 12 Elevation = 75.901m.*** DESCRIPTION: The MaineDOT CORS station is located on the north wall of the Waldo County Regional Technical Center, in Waldo, Maine. *** For information on this data or answers to geodetic questions, please email Harold.Nelson@maine.gov *** EQUIPMENT: Receiver is a Trimble NetR5. Antenna type is TRM55971.00 Trimble Zephyr GNSS Geod. Model 2, Antenna Reference Point (ARP) is Bottom of Antenna Mount (BAM). *** LEGACY DATA: NAD83(1996) N:106023.379m E:502222.106m Ortho Elevation NAVD88 by direct levelling 75.937m

LEGACY DATA

GEOGRAPHIC ddmmss.sssss		*Caution! Do not use Geographic Position or UTM for computations*	UTM Zone 19N m	
LATITUDE:	442715.19284		**NORTHING:**	4922328.678
LONGITUDE:	690549.48920		**EASTING:**	492276.295

Azimuth List INHOUSE USE ONLY. To Station:	Grid Distance	Grid Azim

NAD83(1986) **ZONE**		NAD83 (1992)	
NORTH m		**NORTH m**	**NGVD29 ELEV m**
EAST m		**EAST m**	**NGVD29 ELEV sFT**

*** Coordinates Established for Maine Department of Transportation use, Subject to Higher Order Adjustment

*** Meters to sFt (U.S. Survey Feet)conversion: meters X 3.280233333333 (12 significant digits, or (39.37/12)

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Maine Department of Transportation

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16 State House Station
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BANGOR CORS ARP MECC

ZONE ME2000 CENTRAL | NAD83(2011) **DATABASE** DOT **TYPE** B

DATUM/REALIZATION

H=HORIZ V=VERTICAL B=BOTH D=DESTROYED

CITY BANGOR **COUNT** PEN

NORTHING ME2000 m 147394.674 **EASTING ME2000 m** 530126.447

NORTHING ME2000 sFT 483577.360 **EASTING ME2000 sFT** 1739256.518

NAVD88 ELE 45.407 **NAVD88 ELEV** 148.973 **ORDER/GEOID** G12

R=RTK
Y= MDOT(GPS)
F=FEDERAL BASENET
N=CLASSICAL TRAVERSE
C=COOPERATIVE BASENET

DESCRIBED BY **DATE SET:** 11/7/2013 **PROJECT** MEDTCORS

Description **SOURCE** Y

DESIGNATION: BANGOR CORS ARP MECC *****NOTE: OFFICIAL NGS NAD83(2011) COORDINATES ADDED 29-JAN-14. These coordinates and elevation are OK for engineering survey use, but are subject to upgrading by possible NGS processing. This position established 07-NOV-2013 is based on Broadcast Orbital Ephemeris subject to refinement with Precise Orbital Ephemeris. Predicted shifts in coordinate and elevation are expected to be 1 centimeter of less. *** DESCRIPTION: MECC is located at Eastern Maine Community College on the south wall of the north wing of Maine Hall. *** EQUPIMENT: Receiver is a Trimble NetR5. Antenna type is TRM55971.00 Trimble Zephyr GNSS Geod. Model 2, Antenna Reference Point (ARP) is Bottom of Antenna Mount (BAM). For information on this data or answers to geodetic questions, please email Harold.Nelson@maine.gov. Preliminary Position was established completely via CORS data with checks on BANG A HARN station. Checks were within millimeters. Legacy Data, Preliminary Coordinates superceeded, NAD83(2011) ME2000 CENTRAL N:147394.673m E:530126.444m Elevation from Ellipsoid Height via Geoid12 NAVD88 45.404m

LEGACY DATA

GEOGRAPHIC ddmmss.sssss		*Caution! Do not use Geographic Position or UTM for computations*	UTM Zone 19N m	
LATITUDE:	444933.21003		**NORTHING:**	4963641.326
LONGITUDE:	684438.60195		**EASTING:**	520233.294

Azimuth List INHOUSE USE ONLY. To Station:	Grid Distance	Grid Azim

NAD83(1986) ZONE		NAD83 (1992)	
NORTH m		NORTH m	NGVD29 ELEV m
EAST m		EAST m	NGVD29 ELEV sFT

*** Coordinates Established for Maine Department of Transportation use, Subject to Higher Order Adjustment

*** Meters to sFt (U.S. Survey Feet)conversion: meters X 3.280233333333 (12 significant digits, or (39.37/12)

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Maine Department of Transportation

Control / Monument Description

16 State House Station
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Augusta, ME 04333

BANGOR CORS ARP MEDD

ZONE C | NAD83(2011) **DATABASE** DOT **TYPE** D

DATUM/REALIZATION

H=HORIZ D=DESTROYED
V=VERTICAL
B=BOTH

CITY BANGOR **COUNT** PEN

NORTHING ME2000 m 146597.579 **EASTING ME2000 m** 530195.793

NORTHING ME2000 sFT 480962.224 **EASTING ME2000 sFT** 1739484.031

NAVD88 ELE 53.469 **NAVD88 ELEV** 175.423 **ORDER/GEOID** G12

R=RTK
Y= MDOT(GPS)
F=FEDERAL BASENET
N=CLASSICAL TRAVERSE
C=COOPERATIVE BASENET

DESCRIBED BY HEN **DATE SET:** 8/20/2008 **PROJECT** MEDTCORS

Description **SOURCE** Y

DESIGNATION: BANGOR CORS ARP MEDD *** DESTROYED. NOTE: This CORS was turned off and equipment removed on 06-NOV 2013. It is replaced by MaineDOT CORS MECC at Eastern Maine Community College about a half of a mile north of MEDD, and the new station will be submitted to NGS for possible acceptance. *** NOTE: POSITION CHANGE: NEW OFFICIAL NATIONAL GEODETIC SURVEY COORDINATES NAD83(2011) coordinate values and Elevation derived from NGS Lat, Long, Height, Elevation based on Geoid 12. NGS HAE = 28.641m, Geoid 12 Elevation = 53.469m. *** DESCRIPTION: The MaineDOT CORS station is located at the Dorothea Dix Psychiatric Center, Pooler Building, off Hogan Road, in Bangor, Maine. *** EQUPIMENT: Receiver is a Trimble NetR5. Antenna type is TRM55971.00 Trimble Zephyr GNSS Geod. Model 2, Antenna Reference Point (ARP) is Bottom of Antenna Mount (BAM). For information on this data or answers to geodetic questions, please email Harold.Nelson@maine.gov *** LEGACY DATA: NAD83(1996) Preliminary Coordinates N:146597.589m E:530195.771m Ortho based on Third Order Levelling NAVD88:53.474m

LEGACY DATA

GEOGRAPHIC ddmmss,sssss		*Caution! Do not use Geographic Position or UTM for computations*	UTM Zone 19N m	
LATITUDE:	444907.37767		**NORTHING:**	4962844.434
LONGITUDE:	684435.61570		**EASTING:**	520301.388

Azimuth List INHOUSE USE ONLY. To Station: | **Grid Distance** | **Grid Azim**

NAD83(1986) **ZONE**	**NAD83 (1992)**	
NORTH m	**NORTH m**	**NGVD29 ELEV m**
EAST m	**EAST m**	**NGVD29 ELEV sFT**

*** Coordinates Established for Maine Department of Transportation use, Subject to Higher Order Adjustment

*** Meters to sFt (U.S. Survey Feet)conversion: meters X 3.280233333333 (12 significant digits, or (39.37/12)

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Maine Department of Transportation

Control / Monument Description

16 State House Station
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Augusta, ME 04333

DEXTER CORS ARP MEDX

ZONE C | NAD83(2011) **DATABASE** DOT **TYPE** B

DATUM/REALIZATION

H=HORIZ V=VERTICAL B=BOTH D=DESTROYED

CITY DEXTER **COUNT** PEN

NORTHING ME2000 m 169616.493 **EASTING ME2000 m** 486447.375

NORTHING ME2000 sFT 556483.444 **EASTING ME2000 sFT** 1595952.763

NAVD88 ELEV m 166.307 **NAVD88 ELEV sFT** 545.626 **ORDER/GEOID** G12

R=RTK
Y= MDOT(GPS)
F=FEDERAL BASENET
N=CLASSICAL TRAVERSE
C=COOPERATIVE BASENET

DESCRIBED B HEN **DATE SET:** 6/15/2011 **PROJECT** MEDTCORS

Description **SOURCE** Y

DESIGNATION: DEXTER CORS ARP MEDX *** NOTE: POSITION CHANGE: NEW OFFICIAL NATIONAL GEODETIC SURVEY COORDINATES AS OF SEPTEMBER 17, 2012 NAD83(2011) coordinate values and Elevation derived from NGS Lat, Long, Height, Elevation base on Geoid 12. NGS HAE = 141.203m, Geoid 12 Elevation = 166.306m. *** DESCRIPTION: The MaineDOT CORS station is located on the north wall of Dexter Regional High School *** EQUIPMENT: Receiver is a Trimble NetR5. Antenna type is TRM57971.00 Trimble Zephyr GNSS Geod. Model 2, Antenna Reference Point (ARP) is Bottom of Antenna Mount (BAM). *** For information or to report issues with MaineDOT CORS, please email Harold.Nelson@maine.gov, or call 624-3517, or 624-3460 for immediate assistance. *** LEGACY DATA: NAD83(1996) N:169616.512 E:486447.336m NAVD88:166.300m, derived from local benchmarks.

LEGACY DATA

GEOGRAPHIC ddmmss.sssss		*Caution! Do not use Geographic Position or UTM for computations*	UTM Zone 19N m	
LATITUDE:	450134.90790		**NORTHING:**	4985921.927
LONGITUDE:	691749.08401		**EASTING:**	476605.132

Azimuth List INHOUSE USE ONLY. To Station:	Grid Distance	Grid Azim

NAD83(1986) **ZONE**
NORTH m
EAST m

NAD83 (1992)
NORTH m
EAST m

NGVD29 ELEV m
NGVD29 ELEV sFT

*** Coordinates Established for Maine Department of Transportation use, Subject to Higher Order Adjustment

*** Meters to sFt (U.S. Survey Feet)conversion: meters X 3.280233333333 (12 significant digits, or (39.37/12)

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Maine Department of Transportation

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GREENVILLE CORS ARP MEGR

ZONE C | NAD83(2011) **DATABASE** DOT **TYPE** B

DATUM/REALIZATION

H=HORIZ V=VERTICAL B=BOTH D=DESTROYED

CITY GREENVILLE **COUNT** PIS

NORTHING ME2000 m 218309.408 **EASTING ME2000 m** 463353.672

NORTHING ME2000 sFT 716236.783 **EASTING ME2000 sFT** 1520186.172

NAVD88 ELE 318.488 **NAVD88 ELEV** 1044.906 **ORDER/GEOID** G12

DESCRIBED BY HEN **DATE SET:** 5/11/2011 **PROJECT** MEDTCORS

R=RTK Y= MDOT(GPS) F=FEDERAL BASENET N=CLASSICAL TRAVERSE C=COOPERATIVE BASENET

Description **SOURCE** Y

DESIGNATION: GREENVILLE CORS ARP MEGR *** NOTE: POSITION CHANGE: NEW OFFICIAL NATIONAL GEODETIC SURVEY COORDINATES AS OF SEPTEMBER 17, 2012 NAD83(2011) coordinate values and Elevation derived from NGS Lat, Long, Height, Elevation base on Geoid 12. NGS HAE = 293.886m, Geoid 12 Elevation = 318.488m. Located between the Inland Fish and Wildlife airplane hanger and Moosehead Lake, an 8 foot tall concrete post erected on solid ledge. Receiver is a Trimble NetR5, Antenna is a Trimble Zephyr II without RADOME, also known as TRM57971.00. Datum Point, Antenna Reference Point (ARP) is Bottom of Antenna Mount (BAM). For further information or to report a problem, call Harold Nelson at 624-3517 or email harold.nelson@maine.gov. Please note that NGS station --- SEAPLANE ---, is nearby the CORS. It holds a MaineDOT GPS position and elevation as NGS did not observe the mark. LEGACY DATA: NAD83(2007) ME2000 Central Zone 1812 coordinates N:218309.43m E:463353.644m NAVD88 Ortho Elevation:318.459m

LEGACY DATA

GEOGRAPHIC ddmmss.sssss		*Caution! Do not use Geographic Position or UTM for computations*	UTM Zone 19N m	
LATITUDE:	452749.23447		**NORTHING:**	5034632.397
LONGITUDE:	693536.89811		**EASTING:**	453595.477

Azimuth List INHOUSE USE ONLY. To Station:	Grid Distance	Grid Azim

NAD83(1986) **ZONE**		NAD83 (1992)	
NORTH m		**NORTH m**	**NGVD29 ELEV m**
EAST m		**EAST m**	**NGVD29 ELEV sFT**

*** Coordinates Established for Maine Department of Transportation use, Subject to Higher Order Adjustment

*** Meters to sFt (U.S. Survey Feet)conversion: meters X 3.280233333333 (12 significant digits, or (39.37/12)

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GORHAM CORS ARP MEGO

ZONE W | NAD83(2011) **DATUM/REALIZATION** | **DATABASE** DOT | **TYPE** B

H=HORIZ V=VERTICAL B=BOTH D=DESTROYED

CITY GORHAM **COUNT** CUM

NORTHING ME2000 m 94189.221 **EASTING ME2000 m** 293869.115

NORTHING ME2000 sFT 309019.136 **EASTING ME2000 sFT** 964135.588

NAVD88 ELE 116.399 **NAVD88 ELEV** 381.886 **ORDER/GEOID** G12

DESCRIBED BY HEN **DATE SET:** 2/12/2008 **PROJECT** MEDTCORS

R=RTK
Y= MDOT(GPS)
F=FEDERAL BASENET
N=CLASSICAL TRAVERSE
C=COOPERATIVE BASENET

Description **SOURCE** Y

DESIGNATION: GORHAM CORS ARP MEGO *** NOTE: POSITION CHANGE NEW OFFICIAL NATIONAL GEODETIC SURVEY COORDINATES AS OF January 17, 2013, NAD83(2011) coordinate values and Elevation derived from NGS Lat, Long, Height, Elevation base on Geoid 12. NGS HAE = 89.961m, Geoid 12 Elevation = 116.399m. The MaineDOT CORS station is located at the New Dormitory of the University of Maine Gorham Campus. Preliminary Coordinates in NAD83(CORS) Maine West Zone 1802 are: N:94224.469m, 309134.778sft; E:877070.875m,2877523.362sft. For information on this data or answers to geodetic questions, please email Harold.Nelson@maine.gov PRELIMINARY GEOGRAPHIC POSITION: LAT: N 43 40 52.06824 LONG: W 70 27 03.72538 Elevation based on taking GPS differential ellipsoid heights applied to local benchmark, updated 13 JAN 09 H. E. Nelson. Datum point, Antenna Reference Point (ARP) is Bottom of Antenna Mount (BAM). MEGO CORS: Receiver: Trimble NetR5; Part Number: 62800-10; Serial Number: 4733K10382; Antenna: Trimble Zephyr Geodetic Model 2 without RADOME; Part Number: 55971-00 DC 4726; Serial Number: 30517546 HAD based on GEOID09=89.973m *** LEGACY DATA: NAD83(1997) ME2000 West Zone 1813 values: N:94189.236m E:293869.092m NAVD88 Elevation:116.403m

LEGACY DATA

GEOGRAPHIC ddmmss.sssss		*Caution! Do not use Geographic Position or UTM for computations*	UTM Zone 19N m	
LATITUDE:	434052.06776		**NORTHING:**	4837480.587
LONGITUDE:	702703.72437		**EASTING:**	383042.757

Azimuth List INHOUSE USE ONLY. To Station:	Grid Distance	Grid Azim

NAD83(1986)	ZONE		NAD83 (1992)	
NORTH m		NORTH m		NGVD29 ELEV m
EAST m		EAST m		NGVD29 ELEV sFT

*** Coordinates Established for Maine Department of Transportation use, Subject to Higher Order Adjustment

*** Meters to sFt (U.S. Survey Feet)conversion: meters X 3.280233333333 (12 significant digits, or (39.37/12)

Edit Form

MDOT Property Office: 207-624-3460
Control Survey: 207-624-3517
Email MDOT.Survey@maine.gov

Maine Department of Transportation

Control / Monument Description

16 State House Station
Child St
Augusta, ME 04333

SOUTH PARIS CORS ARP MESP

ZONE W | NAD83(2011) **DATABASE** DOT **TYPE** B

DATUM/REALIZATION

H=HORIZ V=VERTICAL B=BOTH D=DESTROYED

CITY PARIS **COUNT** OXF

NORTHING ME2000 m 153889.893 **EASTING ME2000 m** 288965.622

NORTHING ME2000 sFT 504887.091 **EASTING ME2000 sFT** 948048.045

R=RTK Y= MDOT(GPS) F=FEDERAL BASENET N=CLASSICAL TRAVERSE C=COOPERATIVE BASENET

NAVD88 ELE 132.204 **NAVD88 ELEV** 433.739 **ORDER/GEOID** G12

DESCRIBED BY HEN **DATE SET:** 7/22/2008 **PROJECT** MEDTCORS

Description **SOURCE** Y

DESIGNATION: SOUTH PARIS CORS ARP MESP *** POSITION CHANGE: NEW OFFICIAL NATIONAL GEODETIC SURVEY COORDINATES AS OF SEPTEMBER 17, 2012 NAD83(2011) coordinate values and Elevation derived from NGS Lat, Long, Height, Elevation base on Geoid 12. NGS HAE = 105.463m, Geoid 12 Elevation = 132.204m. *** EQUIPMENT: Receiver is a Trimble NetR5. Antenna type is TRM55971.00 Trimble Zephyr GNSS Geod. Model 2, Antenna Reference Point (ARP) is Bottom of Antenna Mount (BAM). *** Description: The MaineDOT CORS station is located on the grounds of the South Paris Middle School. *** For information on this data or answers to geodetic questions, please email Harold.Nelson@maine.gov *** LEGACY DATA: NAD83(1996) Preliminary Values N:153889.908m E:288965.596m HAE GEOID09=105.480m 132.209m NAVD88.

LEGACY DATA

GEOGRAPHIC ddmmss.sssss		*Caution! Do not use Geographic Position or UTM for computations*	UTM Zone 19N m	
LATITUDE:	441306.19617		**NORTHING:**	4897242.279
LONGITUDE:	703047.10740		**EASTING:**	379135.171

Azimuth List INHOUSE USE ONLY. To Station:	Grid Distance	Grid Azim

NAD83(1986)	ZONE		NAD83 (1992)	
NORTH m		NORTH m		NGVD29 ELEV m
EAST m		EAST m		NGVD29 ELEV sFT

*** Coordinates Established for Maine Department of Transportation use, Subject to Higher Order Adjustment

*** Meters to sFt (U.S. Survey Feet)conversion: meters X 3.280233333333 (12 significant digits, or (39.37/12)

Edit Form

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Maine Department of Transportation

Control / Monument Description

16 State House Station
Child St
Augusta, ME 04333

FARMINGTON CORS ARP MEFR

ZONE W **DATUM/REALIZATION** NAD83(2011) **DATABASE** DOT **TYPE** B

H=HORIZ V=VERTICAL B=BOTH D=DESTROYED

CITY FARMINGTON **COUNT** FRA

NORTHING ME2000 m 204615.907 **EASTING ME2000 m** 319281.984

NORTHING ME2000 sFT 671310.688 **EASTING ME2000 sFT** 1047510.976

NAVD88 ELEV m 157.762 **NAVD88 ELEV sFT** 517.591 **ORDER/GEOID** G12

DESCRIBED B HEN **DATE SET:** 5/12/2011 **PROJECT** MEDTCORS

R=RTK Y= MDOT(GPS) F=FEDERAL BASENET N=CLASSICAL TRAVERSE C=COOPERATIVE BASENET

Description **SOURCE** Y

DESIGNATION: FARMINGTON ARP CORS MEFR *** NOTE: POSITION CHANGE: NEW OFFICIAL NATIONAL GEODETIC SURVEY COORDINATES AS OF SEPTEMBER 17, 2012 NAD83(2011) coordinate values and Elevation derived from NGS Lat, Long, Height, Elevation base on Geoid 12. NGS HAE = 131.643m, Geoid 12 Elevation = 157.762m. *** EQUIPMENT: Receiver is a Trimble NetR5. Antenna type is TRM57971.00 Trimble Zephyr GNSS Geod. Model 2, Antenna Reference Point (ARP) is Bottom of Antenna Mount (BAM). *** DESCRIPTION: Located at Mount Blue Middle School, antenna is on the southerly end of the gym. *** For further information or to report problems, please contact Harold E. Nelson, MaineDOT Property Office at 207-624-3517. *** LEGACY DATA: NAD83(1996) N:204615.920m E:319281.964m. NAVD88 157.814m. Elevation derived from GPS tie to local benchmarks.

LEGACY DATA

GEOGRAPHIC ddmmss.sssss		*Caution! Do not use Geographic Position or UTM for computations*	UTM Zone 19N m	
LATITUDE:	444028.97450		**NORTHING:**	4947439.409
LONGITUDE:	700754.54215		**EASTING:**	410292.122

Azimuth List INHOUSE USE ONLY. To Station:	Grid Distance	Grid Azim

NAD83(1986) **ZONE**

NORTH m

EAST m

NAD83 (1992)

NORTH m

EAST m

NGVD29 ELEV m

NGVD29 ELEV sFT

*** Coordinates Established for Maine Department of Transportation use, Subject to Higher Order Adjustment

*** Meters to sFt (U.S. Survey Feet)conversion: meters X 3.280233333333 (12 significant digits, or (39.37/12)

Edit Form

MDOT Property Office: 207-624-3460
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Email MDOT.Survey@maine.gov

Maine Department of Transportation

Control / Monument Description

16 State House Station
Child St
Augusta, ME 04333

RANGELEY CORS ARP MERA

ZONE W | NAD83(2011) **DATABASE** DOT **TYPE** B

DATUM/REALIZATION

H=HORIZ V=VERTICAL B=BOTH D=DESTROYED

CITY RANGELEY **COUNT** FRA

NORTHING ME2000 m 237850.166 **EASTING ME2000 m** 278075.732

NORTHING ME2000 sFT 780346.753 **EASTING ME2000 sFT** 912320.131

R=RTK Y= MDOT(GPS) F=FEDERAL BASENET N=CLASSICAL TRAVERSE C=COOPERATIVE BASENET

NAVD88 ELE 514.971 **NAVD88 ELEV** 1689.534 **ORDER/GEOID** G12

DESCRIBED BY HEN **DATE SET:** 1/31/2012 **PROJECT** MEDTCORS

Description **SOURCE** Y

DESIGNATION: RANGELEY CORS ARP MERA *** NOTE: POSITION CHANGE NEW OFFICIAL NATIONAL GEODETIC SURVEY COORDINATES AS OF January 17, 2013, NAD83(2011) coordinate values and Elevation derived from NGS Lat, Long, Height, Elevation base on Geoid 12. NGS HAE = 489.568m, Geoid 12 Elevation = 514.971m. DESCRIPTION: Located on the North wall of the Rangeley Lakes Regional School, in Rangeley, Maine. For information on this data or answers to geodetic questions, please email Harold.Nelson@maine.gov EQUIPMENT: Receiver is a Trimble NetR5. Antenna type is TRM55971.00 Trimble Zephyr GNSS Geod. Model 2, Antenna Reference Point (ARP) is Bottom of Antenna Mount (BAM). *** LEGACY DATA: NAD83(1996) ME2000 West Zone 1813 coordinates in meters, N:237850.168 E:278075.691 and Elevation 515.035m or 1689.744f NAVD88 as determined from nearby benchmarks.

LEGACY DATA

GEOGRAPHIC ddmmss.ssss		*Caution! Do not use Geographic Position or UTM for computations*	UTM Zone 19N m	
LATITUDE:	445825.33352		**NORTHING:**	4981358.302
LONGITUDE:	703910.58376		**EASTING:**	369663.428

Azimuth List INHOUSE USE ONLY. To Station:	Grid Distance	Grid Azim

NAD83(1986)	ZONE		NAD83 (1992)	
NORTH m		NORTH m		NGVD29 ELEV m
EAST m		EAST m		NGVD29 ELEV sFT

*** Coordinates Established for Maine Department of Transportation use, Subject to Higher Order Adjustment

*** Meters to sFt (U.S. Survey Feet)conversion: meters X 3.280233333333 (12 significant digits, or (39.37/12)

Edit Form

MDOT Property Office: 207-624-3460
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Maine Department of Transportation

Control / Monument Description

16 State House Station
Child St
Augusta, ME 04333

AUGUSTA CORS ARP MEOW

ZONE W | NAD83(2011) **DATABASE** DOT **TYPE** B

DATUM/REALIZATION

H=HORIZ V=VERTICAL B=BOTH D=DESTROYED

CITY AUGUSTA **COUNT** KEN

NORTHING ME2000 m 162707.652 **EASTING ME2000 m** 350242.148

NORTHING ME2000 sFT 533816.688 **EASTING ME2000 sFT** 1149086.114

NAVD88 ELE 63.164 **NAVD88 ELEV** 207.231 **ORDER/GEOID** G12

DESCRIBED BY HEN **DATE SET:** 12/7/2007 **PROJECT** MEDTCORS

R=RTK Y= MDOT(GPS) F=FEDERAL BASENET N=CLASSICAL TRAVERSE C=COOPERATIVE BASENET

Description **SOURCE** Y

DESIGNATION: AUGUSTA CORS ARP MEOW *** POSITION CHANGE: NEW OFFICIAL NATIONAL GEODETIC SURVEY COORDINATES AS OF SEPTEMBER 17, 2012 NAD83(2011) coordinate values and Elevation derived from NGS Lat, Long, Height, Elevation base on Geoid 12. NGS HAE = 37.313m, Geoid 12 Elevation = 64.164m. *** DESCRIPTION: The MaineDOT CORS station is located at the State of Maine, Dept. of Agriculture Building, Maine Office of Weights and Measures on Cony Road in Augusta, ME. *** For information on this data or answers to geodetic questions, please email Harold.Nelson@maine.gov *** EQUIPMENT: Receiver is a Trimble NetR5. Antenna type is TRM55971.00 Trimble Zephyr GNSS Geod. Model 2, Antenna Reference Point (ARP) is Bottom of Antenna Mount (BAM). *** LEGACY DATA: Preliminary Coordinates in NAD83(CORS) ME2000 West 1813 are: N:162707.652m; E:350242.122m NAVD88:63.180m Elevation by direct levelling.

LEGACY DATA

GEOGRAPHIC ddmmss.ssss		*Caution! Do not use Geographic Position or UTM for computations*	UTM Zone 19N m	
LATITUDE:	441745.93624		**NORTHING:**	4905030.302
LONGITUDE:	694443.57001		**EASTING:**	440533.299

Azimuth List INHOUSE USE ONLY. To Station:	Grid Distance	Grid Azim

NAD83(1986)	ZONE		NAD83 (1992)	
NORTH m		NORTH m		NGVD29 ELEV m
EAST m		EAST m		NGVD29 ELEV sFT

*** Coordinates Established for Maine Department of Transportation use, Subject to Higher Order Adjustment

*** Meters to sFt (U.S. Survey Feet)conversion: meters X 3.280233333333 (12 significant digits, or (39.37/12)

Edit Form

MDOT Property Office: 207-624-3460
Control Survey: 207-624-3517
Email MDOT.Survey@maine.gov

Maine Department of Transportation

Control / Monument Description

16 State House Station
Child St
Augusta, ME 04333

FAIRFIELD CORS ARP MEJD

ZONE W | NAD83(2011) **DATABASE** DOT **TYPE** B

DATUM/REALIZATION

H=HORIZ V=VERTICAL B=BOTH D=DESTROYED

CITY FAIRFIELD **COUNT** KEN

NORTHING ME2000 m 197493.538 **EASTING ME2000 m** 361529.991

NORTHING ME2000 sFT 647943.383 **EASTING ME2000 sFT** 1186119.645

NAVD88 ELE 81.685 **NAVD88 ELEV** 267.995 **ORDER/GEOID** G12

R=RTK Y= MDOT(GPS) F=FEDERAL BASENET N=CLASSICAL TRAVERSE C=COOPERATIVE BASENET

DESCRIBED BY HEN **DATE SET:** 6/13/2008 **PROJECT** MEDTCORS

Description **SOURCE** Y

DESIGNATION: FAIRFIELD CORS ARP MEJD *** POSITION CHANGE: NEW OFFICIAL NATIONAL GEODETIC SURVEY COORDINATES AS OF SEPTEMBER 17, 2012 NAD83(2011) coordinate values and Elevation derived from NGS Lat, Long, Height, Elevation base on Geoid 12. NGS HAE = 55.957m, Geoid 12 Elevation = 81.685m. Update Feb. 10 2009, station expected to go online in the next few weeks.. Current position based on Fast Static observations on stations BRINE and BENTON. Elevation by direct measurement, from 2nd Order NGS benchmark CENTRAL AZ 1958. For information on this data or answers to geodetic questions, please email Harold.Nelson@maine.gov To reach from the Interstate-95 overpass over U. S. Route 201 in Fairfield, go northerly on U.S. 201 for 0 30 miles to Dority training center on the left (off Mountain Ave.); turn left on Mountain Ave., then enter the training center grounds; continue northwesterly for 0.22 miles passing through training center yard proceeding uphill to the green building; thence northerly for 0.10 miles across gravel yard to the station as described. Heights and Elevations are to the ARP. Antenna is a Trimble Zephyr GNSS Geod. Model 2, p/n: 55971-00 also known as TRM55971.00. Datum point, Antenna Reference Point (ARP) is Bottom of Antenna Mount (BAM). Also NAD83(1996) ME2000 Central Zone N:123248.451m E:462304.060m HAE based on GEOID09=55.936m. NAD83(2011) ME2000 Central Zone N:123248.442m E:462304.105m or N:404357.598sFT E:1516742.717sFT *** LEGACY DATA: NAD83(1996) ME2000 West Zone 1813 N:197493.546m E:361529.946m NAVD88:81.644m.

LEGACY DATA

GEOGRAPHIC ddmmss.sssss		*Caution! Do not use Geographic Position or UTM for computations*	UTM Zone 19N m	
LATITUDE:	443629.69633		**NORTHING:**	4939608.320
LONGITUDE:	693559.54946		**EASTING:**	452399.608

Azimuth List INHOUSE USE ONLY. To Station:	Grid Distance	Grid Azim

NAD83(1986)	ZONE	NAD83 (1992)	
NORTH m		NORTH m	NGVD29 ELEV m
EAST m		EAST m	NGVD29 ELEV sFT

*** Coordinates Established for Maine Department of Transportation use, Subject to Higher Order Adjustment

*** Meters to sFt (U.S. Survey Feet)conversion: meters X 3.280233333333 (12 significant digits, or (39.37/12)