



DPOS REPORT
JAVAD POST-PROCESSING SERVICE
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USER:

FILE: 1175_135802.jps

DATE: 20.10.2021

TIME: 13:56:11

SOFTWARE: JustXE

EPHEMERIS: brdc

OBS USED: 4789 / 7377

ANT NAME: JAVTRIUMPH_LSA NONE

ANT HEIGHT: Slant(SHMP) 3,688(m)

ANT DELTA N/E/H: 0,000/0,000/0,000

START: 05.10.2021 17:58:22

STOP: 05.10.2021 18:20:58

TIME SPAN: 1

FIXED AMB: Yes

OVERALL RMS: 0,027(m)

REF FRAME: NAD83(2011) (EPOCH:2010.0000)

ITRF2014 (EPOCH:2021,7603)

X: 51738,446(m) 0,006(m) 51737,468(m) 0,006(m)

Y: -4385330,144(m) 0,019(m) -4385328,845(m) 0,019(m)

Z: 4615951,464(m) 0,018(m) 4615951,419(m) 0,018(m)

LAT: N 46° 39' 28,04139" 0,006(m) N 46° 39' 28,07123" 0,006(m)

E LON: E 270° 40' 33,41436" 0,019(m) E 270° 40' 33,36916" 0,019(m)

W LON: W 89° 19' 26,58564" 0,019(m) W 89° 19' 26,63084" 0,019(m)

EL HGT: 295,180(m) 0,019(m) 294,249(m) 0,019(m)

ORTHO HGT: 326,778(m) 0,019(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES

UTM (Zone 16)

Northing (Y) [meters] 5169759,979

Easting (X) [meters] 322190,447

Convergence [degrees] -1,69001075

Point Scale 0,99998862

Combined Factor 0,99994235

STATE PLANE COORDINATES

SPC (Michigan North)

210944,202

7822155,543

-1,67980106

0,99992394

0,99987768

US NATIONAL GRID DESIGNATOR:

RESIDUALS OF POSITION

VECTOR	dX (m)	dY (m)	dZ (m)	dN (m)	dE (m)	dU (m)
1174=>1175	0,005	0,013	0,011	0,005	0,012	0,012



DPOS REPORT
JAVAD POST-PROCESSING SERVICE
=====

USER:

FILE: 1177_161751.jps

DATE: 20.10.2021

TIME: 13:56:11

SOFTWARE: JustXE

EPHEMERIS: brdc

OBS USED: 5442 / 6421

ANT NAME: JAVTRIUMPH_LSA NONE

ANT HEIGHT: Slant(SHMP) 1,676(m)

ANT DELTA N/E/H: 0,000/0,000/0,000

START: 05.10.2021 20:18:10

STOP: 05.10.2021 20:18:54

TIME SPAN: 1

FIXED AMB: Yes

OVERALL RMS: 0,026(m)

REF FRAME: NAD83(2011) (EPOCH:2010.0000)

ITRF2014 (EPOCH:2021,7603)

X:	50256,361 (m)	0,006 (m)	50255,383 (m)	0,006 (m)
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Y:	-4385682,351 (m)	0,018 (m)	-4385681,053 (m)	0,018 (m)
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Z:	4615664,887 (m)	0,017 (m)	4615664,843 (m)	0,017 (m)
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LAT:	N 46° 39' 13,78347"	0,006 (m)	N 46° 39' 13,81330"	0,006 (m)
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E LON:	E 270° 39' 23,52384"	0,018 (m)	E 270° 39' 23,47862"	0,018 (m)
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W LON:	W 89° 20' 36,47616"	0,018 (m)	W 89° 20' 36,52138"	0,018 (m)
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EL HGT:	316,672 (m)	0,018 (m)	315,741 (m)	0,018 (m)
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ORTHO HGT:	348,220 (m)	0,018 (m)	[NAVD88 (Computed using GEOID18)]	
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UTM COORDINATES

UTM (Zone 16)

Northing (Y) [meters] 5169363,930

Easting (X) [meters] 320692,060

Convergence [degrees] -1,70402578

Point Scale 0,99999520

Combined Factor 0,99994556

STATE PLANE COORDINATES

SPC (Michigan North)

210547,896

7820657,333

-1,69383336

0,99992350

0,99987386

US NATIONAL GRID DESIGNATOR:

RESIDUALS OF POSITION

VECTOR	dX (m)	dY (m)	dZ (m)	dN (m)	dE (m)	dU (m)
1174=>1177	0,005	0,011	0,009	0,005	0,010	0,010



DPOS REPORT
JAVAD POST-PROCESSING SERVICE
=====

USER:

FILE: 1174_122142.jps

DATE: 20.10.2021

TIME: 13:56:11

SOFTWARE: JustXE

EPHEMERIS: brdc

OBS USED: 19910 / 29935

ANT NAME: JAVTRIUMPH_3A NONE

ANT HEIGHT: Vertical(ARP) 4,572(m)

ANT DELTA N/E/H: 0,000/0,000/0,000

START: 05.10.2021 16:22:01

STOP: 05.10.2021 20:25:04

TIME SPAN: 242

FIXED AMB: Yes

OVERALL RMS: 0,021(m)

REF FRAME: NAD83(2011) (EPOCH:2010.0000)

ITRF2014 (EPOCH:2021,7603)

X: 50768,194 (m) 0,003 (m) 50767,215 (m) 0,003 (m)

Y: -4385653,759 (m) 0,014 (m) -4385652,461 (m) 0,014 (m)

Z: 4615687,996 (m) 0,015 (m) 4615687,951 (m) 0,015 (m)

LAT: N 46° 39' 14,83160" 0,003 (m) N 46° 39' 14,86143" 0,003 (m)

E LON: E 270° 39' 47,60843" 0,014 (m) E 270° 39' 47,56322" 0,014 (m)

W LON: W 89° 20' 12,39157" 0,014 (m) W 89° 20' 12,43678" 0,014 (m)

EL HGT: 317,899 (m) 0,014 (m) 316,968 (m) 0,014 (m)

ORTHO HGT: 349,468 (m) 0,014 (m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES

UTM (Zone 16)

Northing (Y) [meters] 5169381,069

Easting (X) [meters] 321204,895

Convergence [degrees] -1,69916622

Point Scale 0,99999294

Combined Factor 0,99994311

STATE PLANE COORDINATES

SPC (Michigan North)

210565,130

7821170,128

-1,68899767

0,99992353

0,99987371

US NATIONAL GRID DESIGNATOR:

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE (m)
NONE	P803	N 46° 19' 35,20683"	W 90° 41' 01,10006"	109637,995
NONE	WNTR	N 45° 49' 48,92869"	W 90° 59' 46,00954"	157365,418

RESIDUALS OF POSITION

VECTOR	dX (m)	dY (m)	dZ (m)	dN (m)	dE (m)	dU (m)
WNTR=>1174	0,003	0,014	0,015	0,003	0,014	0,014
1174=>1175	0,005	0,013	0,011	0,005	0,012	0,012
1174=>1176	0,003	0,008	0,006	0,003	0,007	0,007
P803=>1174	0,003	0,014	0,015	0,003	0,014	0,014
1174=>1177	0,005	0,011	0,009	0,005	0,010	0,010



DPOS REPORT
JAVAD POST-PROCESSING SERVICE
=====

USER:

FILE: 1176_144014.jps

DATE: 20.10.2021

TIME: 13:56:11

SOFTWARE: JustXE

EPHEMERIS: brdc

OBS USED: 22721 / 36993

ANT NAME: JAVTRIUMPH_LSA NONE

ANT HEIGHT: Slant(SHMP) 3,688(m)

ANT DELTA N/E/H: 0,000/0,000/0,000

START: 05.10.2021 18:40:33

STOP: 05.10.2021 19:40:32

TIME SPAN: 5

FIXED AMB: Yes

OVERALL RMS: 0,023(m)

REF FRAME: NAD83(2011) (EPOCH:2010.0000)

ITRF2014 (EPOCH:2021,7603)

X:	51737,402 (m)	0,004 (m)	51736,424 (m)	0,004 (m)
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Y:	-4385331,696 (m)	0,016 (m)	-4385330,398 (m)	0,016 (m)
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Z:	4615950,696 (m)	0,016 (m)	4615950,651 (m)	0,016 (m)
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LAT:	N 46° 39' 27,98806"	0,004 (m)	N 46° 39' 28,01790"	0,004 (m)
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E LON:	E 270° 40' 33,36440"	0,016 (m)	E 270° 40' 33,31920"	0,016 (m)
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W LON:	W 89° 19' 26,63560"	0,016 (m)	W 89° 19' 26,68080"	0,016 (m)
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EL HGT:	295,679 (m)	0,016 (m)	294,748 (m)	0,016 (m)
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ORTHO HGT:	327,277 (m)	0,016 (m)	[NAVD88 (Computed using GEOID18)]	
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UTM COORDINATES

STATE PLANE COORDINATES

UTM (Zone 16)

SPC (Michigan North)

Northing (Y) [meters]	5169758,365
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210942,587

Easting (X) [meters]	322189,337
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7822154,433

Convergence [degrees]	-1,69002056
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-1,67981105

Point Scale	0,99998863
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0,99992395

Combined Factor	0,99994228
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0,99987760

US NATIONAL GRID DESIGNATOR:

RESIDUALS OF POSITION

VECTOR	dX (m)	dY (m)	dZ (m)	dN (m)	dE (m)	dU (m)
1174=>1176	0,003	0,008	0,006	0,003	0,007	0,007