

Subject: OPUS solution : tidal42.22o OP1666528095194**From:** opus <opus@ngs.noaa.gov>**Date:** 10/23/2022, 8:29 AM**To:** vkbellis@gmail.com

FILE: tidal42.22o OP1666528095194

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information: <https://www.ngs.noaa.gov/OPUS/about.jsp#accuracy>USER: vkbellis@gmail.com

DATE: October 23, 2022

RINEX FILE: tida280q.22o

TIME: 12:29:39 UTC

SOFTWARE:	page5 2008.25 master275.pl 160321	START:	2022/10/07 16:40:00
EPHEMERIS:	igs22305.eph [precise]	STOP:	2022/10/07 20:40:00
NAV FILE:	brdc2800.22n	OBS USED:	9683 / 10589 : 91%
ANT NAME:	TPSHIPER_LITE NONE	# FIXED AMB:	56 / 61 : 92%
ARP HEIGHT:	2.000	OVERALL RMS:	0.015(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000)

ITRF2014 (EPOCH:2022.7665)

X:	1703831.594(m)	0.005(m)	1703830.599(m)	0.005(m)
Y:	-4235455.326(m)	0.012(m)	-4235453.917(m)	0.012(m)
Z:	4439080.773(m)	0.012(m)	4439080.828(m)	0.012(m)

LAT:	44 23 20.98860	0.006(m)	44 23 21.02791	0.006(m)
E LON:	291 54 49.86306	0.006(m)	291 54 49.84510	0.006(m)
W LON:	68 5 10.13694	0.006(m)	68 5 10.15490	0.006(m)
EL HGT:	-20.726(m)	0.017(m)	-21.887(m)	0.017(m)
ORTHO HGT:	3.092(m)	0.057(m)	[NAVD88 (Computed using GEOID18)]	

	UTM COORDINATES	STATE PLANE COORDINATES
	UTM (Zone 19)	SPC (1801 ME E)
Northing (Y) [meters]	4915503.919	80353.910
Easting (X) [meters]	572786.654	332972.378
Convergence [degrees]	0.63929167	0.28950278
Point Scale	0.99966515	0.99991337
Combined Factor	0.99966840	0.99991662

US NATIONAL GRID DESIGNATOR: 19TEK7278715504(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DN9938	MEMA MACHIAS CORS ARP	N444235.480	W0672729.754	61312.3
DO2058	MEWA WALDO CORS ARP	N442715.192	W0690549.489	80829.5
DR3051	MERO MERO ROCKLAND CORS ARP	N440649.623	W0690707.123	87954.7

NEAREST NGS PUBLISHED CONTROL POINT

PE0239	TIDAL 4 STA 10	N442300021. W0680500010.	3.0
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This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or

field operating procedures used.