

Reference Station Coordinates (As of November 4, 2012)

As a result of the National Adjustment of 2011 ([NA2011](#)), the following stations and NAD83 (2011) EPOCH 2010.0 positions will be used in NYSNet, beginning November 4, 2012.

RINEX and RTCM Data should reflect these reference station positions.

Positions for the sites below with the Position Source labeled ‘NGS’ should match the NGS published coordinates.

Positions for the sites below with the Position Source labeled ‘LSA’ have not been published by NGS. Positions were computed by processing daily 24 hour data sets with 30 second observations in a GPS baseline processing/least squares network adjustment program, then averaging a minimum of 10 daily solutions from that program.

Users must take special note that CORS defined in NAD83(2011) use [absolute antenna calibrations](#). Absolute values should be used when processing data with CORS coordinates in NAD 83(2011) EPOCH 2010.0

[NA2011](#) yields ellipsoid heights that are inconsistent with GEOID09, therefore [GEOID12A](#) should be used if transforming ellipsoidal heights to NAVD88 heights.

Designation	NGS Site ID	Site Number	Latitude	Longitude	Ellipsoid Height	Antenna Type		Position Source
Albany	NYAB	0	42° 42' 48.87321" N	73° 48' 58.50162" W	90.067	LEIAT504	LEIS	NGS
Alfred State Coll	ASCS	60	42° 15' 19.04329" N	77° 47' 49.17707" W	550.921	TRM41249.00		NGS
Batavia	NYBT	7	42° 59' 17.96010" N	78° 07' 20.37524" W	262.231	LEIAT504	LEIS	NGS
Binghamton EM	NYBH	12	42° 06' 35.09723" N	75° 49' 38.70300" W	313.080	LEIAT504	LEIS	NGS
Central Islip	NYCI	16	40° 45' 38.23686" N	73° 11' 51.78728" W	-13.871	LEIAT504	LEIS	NGS
Cobleskill	NYCS	47	42° 40' 02.83645" N	74° 29' 10.94783" W	270.673	LEIAT504GG	LEIS	NGS
Coopers Plains	NYCP	11	42° 11' 16.44514" N	77° 08' 36.32854" W	277.623	LEIAT504	LEIS	NGS
Cortland	NYCL	31	42° 35' 03.70721" N	76° 12' 40.79256" W	330.883	LEIAT504	LEIS	NGS
Dansville	NYDV	33	42° 32' 56.09338" N	77° 41' 52.59556" W	188.572	LEIAT504	LEIS	NGS
Elizabethtown	NYET	28	44° 12' 34.85080" N	73° 32' 25.85231" W	174.246	LEIAT504	LEIS	NGS
Fredonia	NYFD	17	42° 25' 41.78552" N	79° 20' 22.71917" W	212.489	LEIAT504	LEIS	NGS
Friendship	NYFS	10	42° 12' 16.79288" N	78° 08' 37.93919" W	442.549	LEIAT504	LEIS	NGS
Fultonville	NYFV	9	42° 56' 20.99797" N	74° 21' 12.01370" W	104.670	LEIAT504	LEIS	NGS
Hailesboro	NYHL	45	44° 18' 31.54760" N	75° 26' 57.68939" W	117.574	LEIAT504GG	LEIS	NGS
Hamburg	NYHB	8	42° 43' 02.66326" N	78° 50' 47.27326" W	212.494	LEIAT504	LEIS	NGS
Hancock	NYHC	30	41° 57' 29.98174" N	75° 17' 33.87613" W	260.699	LEIAT504	LEIS	NGS
Herkimer	NYHM	24	43° 01' 06.29900" N	74° 59' 45.08351" W	95.282	LEIAT504	LEIS	NGS
Hudson	NYHS	22	42° 15' 08.35943" N	73° 45' 27.16030" W	22.061	LEIAT504	LEIS	NGS
Hudson Falls	NYHF	1	43° 19' 03.62761" N	73° 34' 07.36929" W	64.573	LEIAT504	LEIS	LSA
Indian Lake	NYIL	46	43° 46' 57.63834" N	74° 16' 39.86193" W	501.878	LEIAT504GG	LEIS	NGS
Jamaica	NYJM	55	40° 39' 46.05512" N	73° 48' 25.48850" W	-12.589	LEIAX1202GG	NONE	LSA
Kingston	NYKT	14	41° 56' 12.97153" N	74° 01' 52.21844" W	30.345	LEIAT504	LEIS	NGS
Lake Carmel	NYLC	20	41° 28' 51.87604" N	73° 39' 05.36882" W	202.093	LEIAT504	LEIS	NGS
Lockport	NYLP	35	43° 09' 54.85468" N	78° 45' 13.35690" W	166.286	LEIAT504	LEIS	NGS
Lowville	NYLV	26	43° 47' 47.24320" N	75° 29' 07.55455" W	241.554	LEIAT504	LEIS	NGS
Malone	NYML	27	44° 52' 15.38494" N	74° 17' 17.34324" W	195.213	LEIAT504	LEIS	NGS
Mexico	NYMX	29	43° 28' 12.37902" N	76° 13' 54.88623" W	91.143	LEIAT504	LEIS	NGS
Middletown	NYMD	21	41° 24' 24.52222" N	74° 26' 34.07805" W	128.211	LEIAT504	LEIS	NGS
Monticello	NYMO	42	41° 38' 45.60379" N	74° 39' 44.18092" W	400.175	LEIAT504GG	LEIS	LSA
Newburgh	NYNB	39	41° 29' 42.80583" N	74° 01' 31.97302" W	23.184	LEIAT504GG	LEIS	NGS
North Syracuse	NYNS	5	43° 07' 07.74794" N	76° 08' 29.77248" W	98.577	LEIAT504	LEIS	NGS
Oakwood Beach	NYOB	59	40° 33' 05.55497" N	74° 06' 59.66710" W	-11.917	LEIAX1202GG	NONE	LSA
Oneonta	NYON	13	42° 26' 24.81504" N	75° 06' 42.50831" W	307.053	LEIAT504	LEIS	NGS
Pittsford	NYPF	32	43° 05' 35.48461" N	77° 31' 31.11244" W	113.481	LEIAT504	LEIS	NGS
Plattsburg	NYPB	2	44° 40' 50.58254" N	73° 27' 14.30528" W	30.150	LEIAT504	LEIS	NGS
Port Richmond	NYPR	53	40° 38' 16.23989" N	74° 07' 29.30179" W	-15.718	LEIAX1202GG	NONE	LSA
Potsdam	NYPD	3	44° 39' 09.05930" N	75° 02' 30.50489" W	109.812	LEIAT504	LEIS	NGS
Queens	NYQN	18	40° 43' 10.26182" N	73° 43' 48.26660" W	-0.403	LEIAT504	LEIS	NGS
Ray Brook	NYRB	40	44° 18' 13.92280" N	74° 04' 42.07519" W	466.846	LEIAT504GG	LEIS	NGS
Red Hook	NYBK	54	40° 42' 12.32084" N	73° 58' 44.25877" W	-15.219	LEIAX1202GG	NONE	LSA
Riverhead	NYRH	19	40° 55' 24.08866" N	72° 42' 50.56071" W	-7.963	LEIAT504	LEIS	NGS
Rome	NYRM	25	43° 10' 40.02844" N	75° 29' 13.88212" W	128.539	LEIAT504	LEIS	NGS
Salamanca	NYSM	34	42° 11' 31.38167" N	78° 44' 50.46521" W	410.603	LEIAT504	LEIS	NGS
Saratoga	NYST	23	43° 03' 41.73519" N	73° 48' 15.01002" W	69.619	LEIAT504	LEIS	NGS
Sherburne	NYSB	36	42° 40' 45.03205" N	75° 30' 47.47730" W	297.093	LEIAT504GG	LEIS	NGS
Valhalla	NYVH	15	41° 04' 56.22098" N	73° 49' 04.12567" W	63.296	LEIAT504	LEIS	NGS
Warsaw	NYWS	38	42° 42' 03.12644" N	78° 07' 33.89521" W	314.439	LEIAT504GG	LEIS	LSA
Waterloo	NYWL	6	42° 53' 55.22722" N	76° 51' 07.30235" W	109.956	LEIAT504	LEIS	NGS
Watertown	NYWT	4	44° 01' 41.65805" N	75° 55' 15.94848" W	118.251	LEIAT504	LEIS	NGS
Watkins Glen	NYWG	43	42° 21' 03.79598" N	76° 52' 33.30037" W	283.562	LEIAT504GG	LEIS	NGS
Waverly	NYWV	44	42° 00' 44.60016" N	76° 31' 17.66884" W	222.165	LEIAT504GG	LEIS	NGS
Newark	NJl2	37	40° 44' 29.30548" N	74° 10' 39.72656" W	17.917	LEIAT303	LEIC	NGS
Piscataway	NJTP	41	40° 32' 25.84153" N	74° 28' 04.13508" W	0.374	LEIAX1202GG	NONE	NGS
Bennington	VTBE	50	42° 52' 57.02925" N	73° 11' 59.64829" W	183.896	TRM55971.00		NGS
Danby	VTDA	56	43° 20' 59.81557" N	72° 59' 42.85115" W	193.964	TRM55971.00		NGS
Middlebury	VTMI	58	43° 59' 55.02507" N	73° 09' 09.38024" W	96.027	TRM55971.00		NGS
Rutland	VTRU	51	43° 36' 25.63963" N	72° 58' 45.90373" W	161.449	TRM41249.00	NONE	NGS
St. Albans	VTSA	57	44° 48' 32.64649" N	73° 04' 57.28896" W	117.578	TRM55971.00		NGS
UVM Coolidge	VTUV	48	44° 28' 09.21279" N	73° 11' 52.37575" W	112.410	TRM41249.00	TZGD	NGS