

laRTN Reference Station Information and Positions

Date: 02/05/2025

District	Site Information			Equipment		(Current) ¹ NAD83(2011) Epoch2010.00 Positions			(Superseded) ² NAD83(2011) Epoch2010.00 Positions		
	Name	Site ID	Responsible Agency	Receiver	Antenna	Latitude	Longitude	Ellipsoid Height	Latitude	Longitude	Ellipsoid Height
1	Ames	IAAM	laDOT	LEICA GR50	LEIAR10 NONE	42° 00' 34.52746" N	93° 33' 35.03175" W	266.5280	42° 00' 34.52737" N	93° 33' 35.03149" W	266.558 m
	Boone	IABN	laDOT	LEICA GR50	LEIAR10 NONE	42° 02' 59.08351" N	93° 51' 18.25527" W	327.6454	42° 02' 59.08364" N	93° 51' 18.25520" W	327.674 m
	Des Moines2 ⁽³⁾	IADM	laDOT	LEICA GR50	LEIAR10 NONE	41° 39' 27.16598" N	93° 35' 48.11477" W	255.7855	41° 39' 27.16563" N	93° 35' 48.11429" W	255.816 m
	Fort Dodge	IAFD	laDOT	LEICA GR50	LEIAR10 NONE	42° 27' 19.57674" N	94° 11' 11.52038" W	324.3662	42° 27' 19.57663" N	94° 11' 11.52010" W	324.384 m
	Grundy Center	IAGC	laDOT	LEICA GR50	LEIAR10 NONE	42° 22' 09.41039" N	92° 46' 45.68485" W	275.2696	42° 22' 09.41012" N	92° 46' 45.68464" W	275.301 m
	Jefferson2 ⁽⁴⁾	IAJE	laDOT	LEICA GR50	LEIAR10 NONE	42° 01' 16.06223" N	94° 22' 55.43946" W	303.9157	42° 01' 16.06223" N	94° 22' 55.43929" W	303.939 m
	Malcom	IAML	laDOT	LEICA GR50	LEIAR10 NONE	41° 41' 13.66221" N	92° 33' 01.24780" W	271.2546	41° 41' 13.66195" N	92° 33' 01.24759" W	271.269 m
	Marshalltown	IAMT	laDOT	LEICA GR50	LEIAR10 NONE	42° 00' 20.82412" N	92° 55' 59.26571" W	279.5721	42° 00' 20.82382" N	92° 55' 59.26541" W	279.592 m
	Newton	IANT	laDOT	LEICA GR50	LEIAR10 NONE	41° 41' 04.15225" N	93° 04' 55.03384" W	239.6410	41° 41' 04.15202" N	93° 04' 55.03356" W	239.676 m
Tama	IATA	laDOT	LEICA GR50	LEIAR10 NONE	41° 58' 01.64679" N	92° 33' 05.03297" W	248.3658	41° 58' 01.64663" N	92° 33' 05.03367" W	248.391 m	
Williams	IAWS	laDOT	LEICA GR50	LEIAR10 NONE	42° 29' 03.00057" N	93° 32' 51.10937" W	347.9580	42° 29' 03.00038" N	93° 32' 51.10911" W	347.981 m	
2	Algona	IAAG	laDOT	LEICA GR50	LEIAR10 NONE	43° 04' 47.10445" N	94° 16' 01.14971" W	350.7823	43° 04' 47.10435" N	94° 16' 01.14946" W	350.810 m
	Allison	IAAL	laDOT	LEICA GR50	LEIAR10 NONE	42° 44' 49.37870" N	92° 47' 14.20407" W	292.1074	42° 44' 49.37845" N	92° 47' 14.20400" W	292.131 m
	Clarion	IACL	laDOT	LEICA GR50	LEIAR10 NONE	42° 43' 51.59386" N	93° 45' 04.85687" W	334.0597	42° 43' 51.59362" N	93° 45' 04.85668" W	334.084 m
	Decorah	IADE	laDOT	LEICA GR50	LEIAR10 NONE	43° 16' 15.80597" N	91° 49' 53.48354" W	317.5130	43° 16' 15.80572" N	91° 49' 53.48323" W	317.535 m
	Elkader	IAEL	laDOT	LEICA GR50	LEIAR10 NONE	42° 52' 40.45049" N	91° 21' 41.48787" W	300.0048	42° 52' 40.45022" N	91° 21' 41.48791" W	300.030 m
	Garner	IAGA	laDOT	LEICA GR50	LEIAR10 NONE	43° 06' 25.32970" N	93° 35' 59.30687" W	348.1018	43° 06' 25.32957" N	93° 35' 59.30662" W	348.129 m
	Hanlontown	IAHT	laDOT	LEICA GR50	LEIAR10 NONE	43° 17' 02.35591" N	93° 22' 06.64337" W	345.4717	43° 17' 02.35553" N	93° 22' 06.64341" W	345.493 m
	Latimer	IALA	laDOT	LEICA GR50	LEIAR10 NONE	42° 47' 55.01740" N	93° 21' 32.73978" W	359.4056	42° 47' 55.01728" N	93° 21' 32.73941" W	359.429 m
	New Hampton	IANH	laDOT	LEICA GR50	LEIAR10 NONE	43° 01' 45.00426" N	92° 18' 53.00456" W	321.2411	43° 03' 29.22820" N	92° 18' 16.44817" W	327.030 m
	Osage	IAOE	laDOT	LEICA GR50	LEIAR10 NONE	43° 17' 04.67596" N	92° 50' 32.29128" W	332.3821	43° 17' 04.67572" N	92° 50' 32.29118" W	332.405 m
	Swea City2 ⁽⁵⁾	IASW	laDOT	LEICA GR50	LEIAR10 NONE	43° 23' 00.12337" N	94° 17' 47.25805" W	337.9049	43° 23' 00.12329" N	94° 17' 47.25786" W	337.936 m
	Waterloo	IAWA	laDOT	LEICA GR50	LEIAR10 NONE	42° 28' 05.29439" N	92° 23' 27.20906" W	240.8682	42° 28' 05.29419" N	92° 23' 27.20886" W	240.897 m
Waukon2 ⁽⁶⁾	IAWK	laDOT	LEICA GR50	LEIAR10 NONE	43° 15' 17.35545" N	91° 29' 08.46062" W	353.3901	43° 15' 17.35526" N	91° 29' 08.46046" W	353.427 m	
West Union ⁽¹¹⁾	IAWU	laDOT	LEICA GR50	LEIAR10 NONE	42° 56' 09.67859" N	91° 48' 55.81836" W	325.7950	42° 56' 09.67837" N	91° 48' 55.81838" W	325.8598	
3	Akron2 ⁽⁷⁾	IAAK	laDOT	LEICAGR50	LEIAR10 NONE	42° 48' 41.00926" N	96° 32' 54.06877" W	369.2826			
	Ashton	IAAS	laDOT	LEICA GR50	LEIAR10 NONE	43° 18' 20.16909" N	95° 46' 44.57517" W	430.5744	43° 18' 20.16900" N	95° 46' 44.57504" W	430.603 m
	Carroll	IACA	laDOT	LEICA GR50	LEIAR10 NONE	42° 04' 40.01012" N	94° 54' 40.40128" W	366.0066	42° 04' 40.01005" N	94° 54' 40.40096" W	366.030 m
	Cherokee2 ⁽⁸⁾	IACK	laDOT	LEICA GR50	LEIAR10 NONE	42° 46' 06.07977" N	95° 32' 31.86168" W	362.3723	42° 46' 06.07977" N	95° 32' 31.86134" W	362.406 m
	Correctionville	IACV	laDOT	LEICA GR50	LEIAR10 NONE	42° 28' 52.77137" N	95° 46' 24.68982" W	325.5023	42° 28' 52.77105" N	95° 46' 24.68965" W	325.532 m
	Denison	IADN	laDOT	LEICA GR50	LEIAR10 NONE	41° 59' 50.56290" N	95° 22' 32.52907" W	351.1680	41° 59' 50.56277" N	95° 22' 32.52869" W	351.190 m
	Emmetsburg	IAEM	laDOT	LEICA GR50	LEIAR10 NONE	43° 06' 24.79751" N	94° 41' 40.34392" W	345.5321	43° 06' 24.79736" N	94° 41' 40.34356" W	345.563 m
	Le Mars	IALM	laDOT	LEICA GR50	LEIAR10 NONE	42° 47' 53.00359" N	96° 08' 55.35654" W	365.9100	42° 47' 53.00362" N	96° 08' 55.35630" W	365.934 m
	Onawa	IAOA	laDOT	LEICA GR50	LEIAR10 NONE	42° 01' 39.25629" N	96° 06' 28.67017" W	301.5749	42° 01' 39.25629" N	96° 06' 28.66991" W	301.599 m
	Pocahontas	IAPS	laDOT	LEICA GR50	LEIAR10 NONE	42° 44' 16.91856" N	94° 40' 45.28513" W	353.4073	42° 44' 16.91840" N	94° 40' 45.28490" W	353.433 m
	Rock Rapids	IARR	laDOT	LEICA GR50	LEIAR10 NONE	43° 26' 00.58447" N	96° 08' 55.47162" W	405.9089	43° 26' 00.58448" N	96° 08' 55.47140" W	405.939 m
	Rock Valley2 ⁽⁹⁾	IARV	laDOT	LEICA GR50	LEIAR10 NONE	43° 12' 02.87827" N	96° 25' 56.02407" W	379.1871			
	Sac City	IASC	laDOT	LEICA GR50	LEIAR10 NONE	42° 25' 16.43295" N	95° 01' 05.44027" W	373.6387	42° 25' 16.43293" N	95° 01' 05.43989" W	373.671 m
	Spirit Lake	IASL	laDOT	LEICA GR50	LEIAR10 NONE	43° 25' 15.18222" N	95° 08' 09.07761" W	414.5607	43° 25' 15.18227" N	95° 08' 09.07741" W	414.596 m
	Storm Lake	IASM	laDOT	LEICA GR50	LEIAR10 NONE	42° 38' 53.58626" N	95° 12' 58.68742" W	418.8490	42° 38' 53.58606" N	95° 12' 58.68728" W	418.884 m
	Sloan	IASN	laDOT	LEICA GR50	LEIAR10 NONE	42° 14' 20.40119" N	96° 13' 52.00397" W	308.2487	42° 14' 20.40106" N	96° 13' 52.00373" W	308.262 m
	Spencer	IASP	laDOT	LEICA GR50	LEIAR10 NONE	43° 07' 41.67611" N	95° 09' 41.81994" W	381.8388	43° 07' 41.67606" N	95° 09' 41.81979" W	381.871 m
Sioux City2 ⁽¹⁰⁾	IASU	laDOT	LEICA GR50	LEIAR10 NONE	42° 28' 39.48166" N	96° 19' 00.44620" W	381.1920				
Sioux City	IASX	laDOT	LEICA GR50	LEIAR10 NONE	42° 33' 00.13888" N	96° 20' 54.47531" W	329.1062	42° 33' 00.13879" N	96° 20' 54.47507" W	329.130 m	

NOTES:

- January 7, 2019, the laRTN started operating with new NAD83(2011) Epoch 2010.00 (IGS08@2018.8123) reference station positions, which replaced the previous NAD83(2011) Epoch 2010.00 positions. The network was readjusted after replacing the the old hardware.
- January 7, 2013, the laRTN started operating with NAD83(2011) Epoch 2010.00 reference station positions, which replaced the previous NAD83(CORS96) Epoch2002.00 positions.
- January 17, 2017, the antenna at Des Moines (IADM) was relocated to a new building and renamed Des Moines2 (IADM).
- December 7, 2015, the antenna at Jefferson (IAJE) was moved and renamed Jefferson2 (IAJE).
- April 30, 2013, the antenna at Swea City (IASW) was relocated to a new building and renamed Swea City2 (IASW).
- August 16, 2011, the antenna at Waukon (IAWK) was relocated to a new building and renamed Waukon2 (IAWK).
- January 7, 2019, a new groundmount base station was added back into the network at Akron2 (IAAK). The Akron (IAAK) base station was decommissioned in September 2016, due to the maintenance facility being closed and sold.
- December 23, 2015, the antenna at Cherokee (IACK) was moved and renamed Cherokee2 (IACK).
- January 7, 2019, a new groundmount base station was added back into the network at Rock Valley2 (IARV). The Rock Valley (IARV) base station was decommissioned in September 2016, due to the maintenance facility being closed and sold.
- April 3, 2024, new reference station due a new maintenance building in Sioux City. Site IASX will decommissioned Fall, 2024.
- February 3, 2025, IAWU Product Marker Coordinates were updated from a Bernese software adjustment.

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	Name	Site ID	Responsible Agency	Receiver	Antenna	Latitude	Longitude	Ellipsoid Height	Latitude	Longitude	Ellipsoid Height
4	Adair	IAAD	laDOT	LEICA GR50	LEIAR10 NONE	41° 29' 46.76452" N	94° 38' 28.88731" W	426.3016	41° 29' 45.81192" N	94° 38' 29.38516" W	426.121 m
	Atlantic	IAAT	laDOT	LEICA GR50	LEIAR10 NONE	41° 24' 19.52338" N	94° 59' 16.80616" W	343.7048	41° 24' 19.52331" N	94° 59' 16.80581" W	343.728 m
	Avoca	IAAV	laDOT	LEICA GR50	LEIAR10 NONE	41° 29' 12.12467" N	95° 20' 14.52834" W	325.6427	41° 29' 12.12454" N	95° 20' 14.52798" W	325.667 m
	Council Bluffs	IACB	laDOT	LEICA GR50	LEIAR10 NONE	41° 13' 26.38449" N	95° 51' 11.59381" W	277.9091	41° 13' 26.38342" N	95° 51' 11.59327" W	277.921 m
	Clarinda	IACN	laDOT	LEICA GR50	LEIAR10 NONE	40° 44' 33.94329" N	95° 01' 20.26134" W	282.3196	40° 44' 33.94313" N	95° 01' 20.26100" W	282.354 m
	Corning ⁽¹⁰⁾	IACO	laDOT	LEICA GR50	LEIAR10 NONE	41° 00' 49.55668" N	94° 44' 15.67741" W	367.9977	41° 00' 49.55627" N	94° 44' 15.67723" W	368.014 m
	Creston	IACR	laDOT	LEICA GR50	LEIAR10 NONE	41° 03' 11.11810" N	94° 21' 05.29436" W	366.2791	41° 03' 11.11778" N	94° 21' 05.29411" W	366.311 m
	De Soto	IADS	laDOT	LEICA GR50	LEIAR10 NONE	41° 33' 06.29308" N	94° 00' 28.48128" W	247.4372	41° 33' 06.29274" N	94° 00' 28.48087" W	247.455 m
	Mount Ayr	IAMA	laDOT	LEICA GR50	LEIAR10 NONE	40° 42' 30.43633" N	94° 15' 06.39034" W	347.8196	40° 42' 30.43608" N	94° 15' 06.39023" W	347.849 m
	Missouri Valley	IAMV	laDOT	LEICA GR50	LEIAR10 NONE	41° 34' 15.68398" N	95° 51' 30.05912" W	291.0634	41° 34' 15.68388" N	95° 51' 30.05892" W	291.100 m
Red Oak	IARO	laDOT	LEICA GR50	LEIAR10 NONE	41° 01' 19.74888" N	95° 14' 00.58907" W	291.6371	41° 01' 19.74861" N	95° 14' 00.58873" W	291.667 m	
Sidney	IASD	laDOT	LEICA GR50	LEIAR10 NONE	40° 44' 58.49906" N	95° 38' 10.30793" W	303.0479	40° 44' 58.49903" N	95° 38' 10.30768" W	303.067 m	
5	Albia ⁽¹⁵⁾	IAAB	laDOT	LEICA GR50	LEIAR10 NONE	41° 00' 49.49698" N	92° 48' 45.13250" W	268.9020			
	Bloomfield ⁽¹⁷⁾	IABL	laDOT	LEICA GR50	LEIAR10 NONE	40° 44' 26.73781" N	92° 25' 51.03514" W	240.9630	40° 44' 26.73776" N	92° 25' 51.03584" W	241.012 m
	Centerville2 ⁽¹⁷⁾	IAC1	laDOT	LEICA GR50	LEIAR10 NONE	40° 44' 22.62283" N	93° 00' 09.35651" W	279.8240	40° 44' 22.62223" N	93° 00' 09.35603" W	279.8382
	Chariton ⁽¹⁷⁾	IACH	laDOT	LEICA GR50	LEIAR10 NONE	40° 58' 57.52654" N	93° 18' 25.39130" W	272.2400	40° 58' 57.52643" N	93° 18' 25.39091" W	272.276 m
	Donnellson	IADO	laDOT	LEICA GR50	LEIAR10 NONE	40° 38' 48.98313" N	91° 33' 57.38921" W	188.6645	40° 38' 48.98283" N	91° 33' 57.38920" W	188.694 m
	Fairfield2 ⁽¹²⁾	IAFA	laDOT	LEICA GR50	LEIAR10 NONE	40° 58' 53.52834" N	91° 57' 33.28288" W	208.8597	40° 58' 53.52794" N	91° 57' 33.28281" W	208.889 m
	Knoxville	IAKN	laDOT	LEICA GR50	LEIAR10 NONE	41° 17' 58.28849" N	93° 06' 03.40381" W	256.3430	41° 17' 58.28732" N	93° 06' 03.40345" W	256.373 m
	Leon	IALN	laDOT	LEICA GR50	LEIAR10 NONE	40° 43' 44.48402" N	93° 45' 42.86018" W	318.5577	40° 43' 44.48379" N	93° 45' 42.85998" W	318.581 m
	Martensdale	IAMD	laDOT	LEICA GR50	LEIAR10 NONE	41° 22' 16.79988" N	93° 44' 38.84704" W	232.9426	41° 22' 16.79970" N	93° 44' 38.84688" W	232.973 m
	Morning Sun ⁽¹³⁾	IAMS	laDOT	LEICA GR50	LEIAR10 NONE	41° 05' 17.83719" N	91° 10' 58.71199" W	190.9213	41° 05' 17.83732" N	91° 10' 58.71184" W	190.941 m
	Muscatine	IAMU	laDOT	LEICA GR50	LEIAR10 NONE	41° 26' 02.03004" N	91° 05' 11.91362" W	178.0127	41° 26' 02.02982" N	91° 05' 11.91337" W	178.034 m
	Oskaloosa	IAOK	laDOT	LEICA GR50	LEIAR10 NONE	41° 17' 35.36920" N	92° 41' 04.79092" W	208.6871	41° 17' 35.36897" N	92° 41' 04.79071" W	208.709 m
	Osceola	IAOS	laDOT	LEICA GR50	LEIAR10 NONE	41° 01' 40.27445" N	93° 47' 08.43750" W	324.5820	41° 01' 40.27422" N	93° 47' 08.43725" W	324.600 m
	Sigourney	IASI	laDOT	LEICA GR50	LEIAR10 NONE	41° 19' 03.32296" N	92° 12' 24.14575" W	199.1470	41° 19' 03.32266" N	92° 12' 24.14561" W	199.169 m
West Burlington	IAWB	laDOT	LEICA GR50	LEIAR10 NONE	40° 50' 00.48629" N	91° 12' 33.79226" W	187.9710	40° 50' 00.48608" N	91° 12' 33.79240" W	187.996 m	
Washington	IAWN	laDOT	LEICA GR50	LEIAR10 NONE	41° 18' 34.12013" N	91° 40' 44.74794" W	206.4681	41° 18' 34.11968" N	91° 40' 44.74802" W	206.499 m	
6	Anamosa	IAAN	laDOT	LEICA GR50	LEIAR10 NONE	42° 06' 12.96741" N	91° 15' 24.18902" W	228.0890	42° 06' 12.96713" N	91° 15' 24.18885" W	228.120 m
	Coralville	IACI	laDOT	LEICA GR50	LEIAR10 NONE	41° 42' 38.03132" N	91° 36' 33.23735" W	222.2513	41° 42' 38.03092" N	91° 36' 33.23725" W	222.292 m
	Davenport	IADA	laDOT	LEICA GR50	LEIAR10 NONE	41° 36' 36.18282" N	90° 37' 49.54785" W	201.6822	41° 36' 36.18254" N	90° 37' 49.54790" W	201.729 m
	Dubuque ⁽¹⁴⁾	IAD2	laDOT	LEICA GR50	LEIAR10 NONE	42° 25' 55.18329" N	90° 40' 44.85735" W	212.1730			
	Independence	IAIN	laDOT	LEICA GR50	LEIAR10 NONE	42° 26' 39.02877" N	91° 53' 00.91932" W	272.0286	42° 26' 39.02859" N	91° 53' 00.91906" W	272.062 m
	Marion	IAMN	laDOT	LEICA GR50	LEIAR10 NONE	42° 01' 49.08340" N	91° 32' 55.55610" W	229.9408	42° 01' 49.08323" N	91° 32' 55.55608" W	229.973 m
	Maquoketa	IAMQ	laDOT	LEICA GR50	LEIAR10 NONE	42° 04' 25.20087" N	90° 38' 42.15334" W	188.6313	42° 04' 25.20075" N	90° 38' 42.15315" W	188.679 m
	Manchester	IAMR	laDOT	LEICA GR50	LEIAR10 NONE	42° 29' 04.33714" N	91° 28' 22.77739" W	269.0456	42° 29' 04.33692" N	91° 28' 22.77708" W	269.072 m
	Newhall	IANW	laDOT	LEICA GR50	LEIAR10 NONE	41° 57' 41.91556" N	91° 58' 07.31574" W	245.2711	41° 57' 41.91522" N	91° 58' 07.31559" W	245.301 m
	Sabula	IASA	laDOT	LEICA GR50	LEIAR10 NONE	42° 05' 00.09682" N	90° 11' 55.17723" W	160.7168	42° 05' 00.09666" N	90° 11' 55.17682" W	160.769 m
	Tipton	IATI	laDOT	LEICA GR50	LEIAR10 NONE	41° 38' 33.88987" N	91° 06' 37.55657" W	185.8782	41° 38' 33.88909" N	91° 06' 37.55598" W	185.905 m
	Williamsburg	IAWM	laDOT	LEICA GR50	LEIAR10 NONE	41° 42' 09.45053" N	92° 00' 22.02563" W	244.0704	41° 42' 09.45041" N	92° 00' 22.02541" W	244.100 m

NOTES:

- January 7, 2019, the laRTN started operating with new NAD83(2011) Epoch 2010.00 (IGS08 @2018.8123) reference station positions, which replaced the previous NAD83(2011) Epoch 2010.00 positions. The network was readjusted after replacing the the old hardware.
- January 7, 2013, the laRTN started operating with NAD83(2011) Epoch 2010.00 reference station positions, which replaced the previous NAD83(CORS96) Epoch2002.00 positions.
- July 14, 2018, a new groundmount base station was added back into the network at Corning2 (IACO). The Corning (IACO) base station was decommissioned in September 2016, due to the maintenance facility being closed and sold.
- July 14, 2018, a new groundmount base station was added back into the network at Centerville2 (IAC1). The Centerville (IACE) base station was decommissioned in December 2016, due to the maintenance facility being closed and sold.
- September 1, 2015, the antenna at Fairfield (IAFA) was moved and renamed Fairfield2 (IAFA).
- July 14, 2018, a new groundmount base station was added into the network at Morning Sun (IAMS). This new base station replaced the Wapello (IAWO) base station that was decommissioned on July 14, 2018, due to the maintenance facility being closed and sold.
- Aug. 3, 2021, new building mount due a new maintenance building in Dubuque. Site IADU was decommsioned Aug. 3, 2021. Coordinates were recomputed April 3, 2024 to better fit IGS08 2018.8123 adjustment of the RTN in 2018.
- March 20, 2024, antenna relocated on building due to a damaged wall. The previous antenna (IAAA) position was compromised and taken down Jan. 9, 2024.
- September 10, 2024, antenna replaced antenna on building in Bloomfield lost in windstorm on July 31, 2024.
- February 3, 2025, IABL, IAC1, and IACH Product Marker Coordinates were updated from a Bernese software adjustment.

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	Name	Site ID	Responsible Agency	Receiver	Antenna	Latitude	Longitude	Ellipsoid Height	Latitude	Longitude	Ellipsoid Height
MN	Albert Lea	MNAA	MnDOT	TRIMBLE ALLOY	TRM115000.00 NONE	43° 40' 35.61239" N	93° 19' 47.01657" W	372.4769	43° 40' 35.61230" N	93° 19' 47.01638" W	372.507
	Beaver Creek	MNBV	MnDOT	TRIMBLE ALLOY	TRM115000.00 NONE	43° 36' 29.88292" N	96° 22' 41.33862" W	417.5276	43° 36' 29.88314" N	96° 22' 41.33853" W	417.535
	Blue Earth	MNBE	MnDOT	TRIMBLE ALLOY	TRM115000.00 NONE	43° 39' 46.33793" N	94° 07' 19.53132" W	303.3438	43° 39' 46.33806" N	94° 07' 19.53116" W	303.346
	Elkton	MNEK	MnDOT	TRIMBLE ALLOY	TRM115000.00 NONE	43° 39' 29.99164" N	92° 41' 19.43328" W	403.7219	43° 39' 29.99163" N	92° 41' 19.43292" W	403.768
	Fairmont	MNFR	MnDOT	TRIMBLE ALLOY	TRM115000.00 NONE	43° 39' 52.80211" N	94° 26' 36.67150" W	336.9668	43° 39' 52.80186" N	94° 26' 36.67070" W	337.002
	Lakefield	MNLK	MnDOT	TRIMBLE ALLOY	TRM115000.00 NONE	43° 38' 19.31804" N	95° 07' 06.89133" W	432.8231	43° 38' 19.31770" N	95° 07' 06.89118" W	432.849
	New Albin	IANA	MnDOT	TRIMBLE ALLOY	TRM115000.00 NONE	43° 29' 49.45265" N	91° 17' 26.49734" W	173.2432	43° 29' 49.45244" N	91° 17' 26.49752" W	173.268
	Prosper	MNPS	MnDOT	TRIMBLE ALLOY	TRM115000.00 NONE	43° 30' 53.82195" N	91° 53' 06.82411" W	381.9047	43° 30' 53.82190" N	91° 53' 06.82383" W	381.914
	Rushmore	MNRM	MnDOT	TRIMBLE ALLOY	TRM115000.00 NONE	43° 38' 14.53087" N	95° 46' 12.43730" W	489.7472	43° 38' 14.53101" N	95° 46' 12.43736" W	489.764
Sioux Falls	SFSD	MnDOT	TRIMBLE ALLOY	TRM115000.00 NONE	43° 34' 19.39050" N	96° 43' 42.61534" W	428.3820	43° 34' 19.39026" N	96° 43' 42.61558" W	428.280	
MO	Albany	MOAL	MoDOT	TRIMBLE ALLOY	TRM57971.00 NONE	40° 15' 20.75462" N	94° 17' 58.90415" W	254.8542	40° 15' 20.75423" N	94° 17' 58.90391" W	254.859
	Canton	MOCN	MoDOT	TRIMBLE ALLOY	TRM115000.00 NONE	40° 08' 36.68893" N	91° 32' 37.66728" W	159.3986	40° 08' 36.68890" N	91° 32' 37.66723" W	159.400
	Edina	MOED	MoDOT	TRIMBLE ALLOY	TRM115000.00 NONE	40° 11' 11.65663" N	92° 10' 30.28766" W	194.6535	40° 11' 11.65647" N	92° 10' 30.28759" W	194.657
	Maryville	MOMV	MoDOT	TRIMBLE ALLOY	TRM57971.00 NONE	40° 21' 29.38601" N	94° 50' 48.02164" W	278.9093	40° 21' 29.38592" N	94° 50' 48.02144" W	278.923
	Milan	MOML	MoDOT	TRIMBLE ALLOY	TRM115000.00 NONE	40° 12' 37.76069" N	93° 06' 57.87627" W	227.2782	40° 12' 37.76072" N	93° 06' 57.87605" W	227.280
	Princeton	MOPN	MoDOT	TRIMBLE ALLOY	TRM115000.00 NONE	40° 25' 02.46886" N	93° 34' 39.03763" W	274.2838	40° 25' 02.46875" N	93° 34' 39.03746" W	274.285
	Tarkio	MOTK	MoDOT	TRIMBLE ALLOY	TRM115000.00 NONE	40° 26' 14.12989" N	95° 21' 04.35681" W	252.9568	40° 26' 14.12979" N	95° 21' 04.35661" W	252.968
WI	Lancaster	PDCH	WIDOT	TRIMBLE ALLOY	TRM115000.00 NONE	42° 50' 15.64296" N	90° 42' 41.03176" W	281.8899	42° 50' 15.64299" N	90° 42' 41.03145" W	281.925
	Prairie du Chien ⁽⁴⁾	PDCH	WIDOT	TRIMBLE ALLOY	TRM115000.00 NONE	43° 01' 15.85605" N	91° 07' 03.73682" W	169.5520			
	Seneca	SECA	WIDOT	TRIMBLE ALLOY	TRM115000.00 NONE	43° 15' 23.67682" N	90° 58' 37.61529" W	360.2667	43° 15' 23.67693" N	90° 58' 37.61504" W	360.304
	Shullsburg	SHRG	WIDOT	TRIMBLE ALLOY	TRM115000.00 NONE	42° 34' 47.02163" N	90° 08' 34.11949" W	292.3146	42° 34' 47.02158" N	90° 08' 34.11940" W	292.343

NOTES:

- 1) January 7, 2019, the laRTN started operating with new NAD83(2011) Epoch 2010.00 (IGS @ 2018.8123) reference station positions, which replaced the previous NAD83(2011) Epoch 2010.00 positions. The network was readjusted after replacing the the old hardware.
- 2) January 7, 2013, the laRTN started operating with NAD83(2011) Epoch 2010.00 reference station positions, which replaced the previous NAD83(CORS96) Epoch2002.00 positions.
- 3) April 2, 2024, added PDCH to RTN. New site operated by Wisconsin DOT.
- 4) February 3, 2025, SFSD and PDCH Product Marker Coordinates were updated from a Bernese software adjustment.