

District	Site Information				Equipment		(Current) <sup>1</sup> NAD83(2011) Epoch2010.00 Positions			(Superseded) <sup>1</sup> NAD83(CORS96) Epoch2002.00		
	Name	Site ID	Ref. Station No.	Responsible Agency	Receiver	Antenna	Latitude	Longitude	Ellipsoid Height	Latitude	Longitude	Ellipsoid Height
1	Ames	IAAM	101	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 00' 34.52737" N	93° 33' 35.03149" W	266.558 m	42° 00' 34.52725" N	93° 33' 35.03229" W	266.551 m
	Boone	IABN	111	IaDOT	LEICA GRX1200+GNSS	LEIAS10 NONE	42° 02' 59.08364" N	93° 51' 18.25520" W	327.674 m	42° 02' 59.08307" N	93° 51' 18.25557" W	327.695 m
	Des Moines <sup>(7)</sup>	IADM	102	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 39' 27.16563" N	93° 35' 48.11429" W	255.816 m			
	<del>Des Moines</del>	<del>IADM</del>	<del>102</del>	<del>IaDOT</del>	<del>LEICA GRX1200GGPRO</del>	<del>LEIAX1202GG NONE</del>	<del>41° 39' 25.81757" N</del>	<del>93° 35' 52.63495" W</del>	<del>256.508 m</del>	<del>41° 39' 25.81755" N</del>	<del>93° 35' 52.63576" W</del>	<del>256.503 m</del>
	Fort Dodge	IADF	103	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 27' 19.57663" N	94° 11' 11.52010" W	324.384 m	42° 27' 19.57659" N	94° 11' 11.52094" W	324.382 m
	Grundy Center	IAGC	104	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 22' 09.41012" N	92° 46' 45.68464" W	275.301 m	42° 22' 09.41009" N	92° 46' 45.68544" W	275.305 m
	Jefferson <sup>(3)</sup>	IAJE	105	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 01' 16.06223" N	94° 22' 55.43929" W	303.939 m			
	<del>Jefferson</del>	<del>IAJE</del>	<del>105</del>	<del>IaDOT</del>	<del>LEICA GRX1200GGPRO</del>	<del>LEIAX1202GG NONE</del>	<del>42° 01' 16.06233" N</del>	<del>94° 22' 55.43927" W</del>	<del>303.939 m</del>	<del>42° 01' 16.06219" N</del>	<del>94° 22' 55.44009" W</del>	<del>303.933 m</del>
	Malcom	IAML	106	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 41' 13.66195" N	92° 33' 01.24759" W	271.269 m	41° 41' 13.66192" N	92° 33' 01.24839" W	271.266 m
	Marshalltown	IAMT	107	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 00' 20.82382" N	92° 55' 59.26541" W	279.592 m	42° 00' 20.82373" N	92° 55' 59.30194" W	279.595 m
	Newton	IANT	108	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 41' 04.15202" N	93° 04' 55.03356" W	239.676 m	41° 41' 04.15198" N	93° 04' 55.03440" W	239.667 m
	Tama	IATA	109	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 58' 01.64663" N	92° 33' 05.03367" W	248.391 m	41° 58' 01.64651" N	92° 33' 05.03347" W	248.387 m
Williams	IAWS	110	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 29' 03.00038" N	93° 32' 51.10911" W	347.981 m	42° 29' 03.00035" N	93° 32' 51.11099" W	347.985 m	
2	Algona	IAAG	202	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	43° 04' 47.10435" N	94° 16' 01.14946" W	350.810 m	43° 04' 47.10437" N	94° 16' 01.15033" W	350.811 m
	Allison	IAAL	208	IaDOT	LEICA GRX1200GGPRO	LEIAR10 NONE	42° 44' 49.37845" N	92° 47' 14.20400" W	292.131 m	42° 44' 49.37839" N	92° 47' 14.20479" W	292.136 m
	Clarion	IACL	204	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 43' 51.59362" N	93° 45' 04.85668" W	334.084 m	42° 43' 51.59357" N	93° 45' 04.85748" W	334.079 m
	Decorah	IADE	211	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	43° 16' 15.80572" N	91° 49' 53.48323" W	317.535 m	43° 16' 15.80562" N	91° 49' 53.48415" W	317.540 m
	Elkader	IAEL	214	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 52' 40.45022" N	91° 21' 41.48791" W	300.030 m	42° 52' 40.45014" N	91° 21' 41.48879" W	300.032 m
	Garner	IAGA	203	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	43° 06' 25.32957" N	93° 35' 59.30662" W	348.129 m	43° 06' 25.32956" N	93° 35' 59.30748" W	348.129 m
	Hanlontown	IAHT	205	IaDOT	LEICA GRX1200+GNSS	LEIAR10 NONE	43° 17' 02.35553" N	93° 22' 06.64341" W	345.493 m	43° 17' 02.35554" N	93° 22' 06.64421" W	345.498 m
	Latimer	IALA	206	IaDOT	LEICA GRX1200GGPRO	LEIAR10 NONE	42° 47' 55.01728" N	93° 21' 32.73941" W	359.429 m	42° 47' 55.01723" N	93° 21' 32.74025" W	359.424 m
	New Hampton	IANH	209	IaDOT	LEICA GRX1200+GNSS	LEIAR10 NONE	43° 03' 29.22820" N	92° 18' 16.44817" W	327.030 m	43° 03' 29.32196" N	92° 18' 16.44903" W	327.035 m
	Osage	IAOE	207	IaDOT	LEICA GRX1200GGPRO	LEIAR10 NONE	43° 17' 04.67572" N	92° 50' 32.29118" W	332.405 m	43° 17' 04.67561" N	92° 50' 32.29195" W	332.408 m
	Swea City2	IASW	201	IaDOT	LEICA GRX1200GGPRO	LEIAS10 NONE	43° 23' 00.12329" N	94° 17' 47.25786" W	337.936 m	43° 23' 06.97094" N	94° 18' 51.00407" W	338.467 m
	Waterloo	IAWA	210	IaDOT	LEICA GRX1200GGPRO	LEIAR10 NONE	42° 28' 05.29419" N	92° 23' 27.20886" W	240.897 m	42° 28' 05.29411" N	92° 23' 27.20975" W	240.897 m
	Waukon2	IAWK	213	IaDOT	LEICA GRX1200GGPRO	LEIAX1203+GNSS NONE	43° 15' 17.35526" N	91° 29' 08.46046" W	353.427 m	43° 15' 17.35527" N	91° 29' 08.46112" W	353.421 m
West Union	IAWU	212	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 56' 09.67842" N	91° 48' 55.81810" W	325.842 m	42° 56' 09.67824" N	91° 48' 55.81897" W	325.848 m	
3	<del>Akron <sup>(5)</sup></del>	<del>IAAK</del>	<del>303</del>	<del>IaDOT</del>	<del>LEICA GRX1200GGPRO</del>	<del>LEIAX1202GG NONE</del>	<del>42° 49' 21.83660" N</del>	<del>96° 33' 48.53166" W</del>	<del>330.499 m</del>	<del>42° 49' 21.83683" N</del>	<del>96° 33' 48.53255" W</del>	<del>330.493 m</del>
	Ashton	IAAS	317	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	43° 18' 20.16900" N	95° 46' 44.57504" W	430.603 m	43° 18' 20.16910" N	95° 46' 44.57596" W	430.604 m
	Carroll	IACA	308	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 04' 40.01005" N	94° 54' 40.40096" W	366.030 m	42° 04' 40.00999" N	94° 54' 40.40182" W	366.026 m
	Cherokee <sup>(4)</sup>	IACK	313	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 46' 06.07977" N	95° 32' 31.86134" W	362.406 m	42° 46' 06.07968" N	95° 32' 31.86230" W	362.399 m
	<del>Cherokee</del>	<del>IACK</del>	<del>313</del>	<del>IaDOT</del>	<del>LEICA GRX1200GGPRO</del>	<del>LEIAX1202GG NONE</del>	<del>42° 46' 06.07962" N</del>	<del>95° 32' 31.86146" W</del>	<del>362.401 m</del>	<del>42° 46' 06.07968" N</del>	<del>95° 32' 31.86230" W</del>	<del>362.399 m</del>
	Correctionville	IACV	309	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 28' 52.77105" N	95° 46' 24.68965" W	325.532 m	42° 28' 52.77140" N	95° 46' 24.69055" W	325.533 m
	Denison	IADN	307	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 59' 50.56277" N	95° 22' 32.52869" W	351.190 m	41° 59' 50.56276" N	95° 22' 32.52942" W	351.180 m
	Emmetsburg	IAEM	316	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	43° 06' 24.79736" N	94° 41' 40.34356" W	345.563 m	43° 06' 24.79741" N	94° 41' 40.34443" W	345.559 m
	Le Mars	IALM	314	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 47' 53.00362" N	96° 08' 55.35630" W	365.934 m	42° 47' 53.00372" N	96° 08' 55.35723" W	365.925 m
	Onawa	IAOA	306	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 01' 39.25629" N	96° 06' 28.66991" W	301.599 m	42° 01' 39.25624" N	96° 06' 28.67084" W	301.587 m
	Pocahontas	IAPS	312	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 44' 16.91840" N	94° 40' 45.28490" W	353.433 m	42° 44' 16.91837" N	94° 40' 45.28575" W	353.432 m
	Rock Rapids	IARR	301	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	43° 26' 00.58448" N	96° 08' 55.47140" W	405.939 m	43° 26' 00.58453" N	96° 08' 55.47233" W	405.940 m
	<del>Rock Valley <sup>(5)</sup></del>	<del>IARV</del>	<del>302</del>	<del>IaDOT</del>	<del>LEICA GRX1200GGPRO</del>	<del>LEIAX1202GG NONE</del>	<del>43° 11' 51.94868" N</del>	<del>96° 18' 50.74746" W</del>	<del>360.203 m</del>	<del>43° 11' 51.94881" N</del>	<del>96° 18' 50.74836" W</del>	<del>360.201 m</del>
	Sac City	IASC	310	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 25' 16.43293" N	95° 01' 05.43989" W	373.671 m	42° 25' 16.43287" N	95° 01' 05.44078" W	373.672 m
	Sioux City	IASX	304	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 33' 00.13879" N	96° 20' 54.47507" W	329.130 m	42° 33' 00.13894" N	96° 20' 54.47594" W	329.126 m
	Sloan	IASN	305	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 14' 20.40106" N	96° 13' 52.00373" W	308.262 m	42° 14' 20.40104" N	96° 13' 52.00458" W	308.258 m
Spencer	IASP	315	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	43° 07' 41.67606" N	95° 09' 41.81979" W	381.871 m	43° 07' 41.67618" N	95° 09' 41.82069" W	381.868 m	
Spirit Lake	IASL	318	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	43° 25' 15.18227" N	95° 08' 09.07741" W	414.596 m	43° 25' 15.18234" N	95° 08' 09.07824" W	414.600 m	
Storm Lake	IASM	311	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 38' 53.58606" N	95° 12' 58.68728" W	418.884 m	42° 38' 53.58611" N	95° 12' 58.68816" W	418.883 m	

NOTES:

- 1) On 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.
- 2) On September 1, 2015, the antenna at Fairfield (IAFA) was moved and renamed Fairfield2.
- 3) On December 7, 2015, the antenna at Jefferson (IAJE) was moved and renamed Jefferson2.
- 4) On December 23, 2015, the antenna at Cherokee (IACK) was moved and renamed Cherokee2.
- 5) In September, 2016, the base stations at Akron (IAAK), Corning (IACO) and Rock Valley (IARV) were decommissioned due to the maintenance facilities being closed and sold.
- 6) In December, 2016, the base station at Centerville (IACE) was decommissioned due to the maintenance facility being closed and sold.
- 7) On January 17, 2017, the antenna at Des Moines (IADM) was moved and renamed Des Moines2.
- 8) On July 14, 2018, the newbase stations at Centerville2 (IAC1) and Corning2 (IACO) were brought online to replace the previously decommissioned base stations.
- 9) On July 14, 2018, the Wapello (IAWO) base station was decommissioned due to the maintenance facility being closed and sold, and the new base station at Morning Sun (IAMS) was brought online.

IaRTN Reference Station Information and Positions

Date: 07/16/2018

District	Site Information				Equipment		(Current) <sup>1</sup> NAD83(2011) Epoch2010.00 Positions			(Superseded) <sup>1</sup> NAD83(CORS96) Epoch2002.00			
	Name	Site ID	Ref. Station No.	Responsible Agency	Receiver	Antenna	Latitude	Longitude	Ellipsoid Height	Latitude	Longitude	Ellipsoid Height	
4	Adair	IAAD	403	IaDOT	LEICA GRX1200GGPRO	LEIAX1203+GNSS NONE	41° 29' 45.81192" N	94° 38' 29.38516" W	426.121 m	41° 29' 45.81183" N	94° 38' 29.38602" W	426.103 m	
	Atlantic	IAAT	406	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 24' 19.52331" N	94° 59' 16.80581" W	343.728 m	41° 24' 19.52320" N	94° 59' 16.80676" W	343.715 m	
	Avoca	IAAV	402	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 29' 12.12454" N	95° 20' 14.52798" W	325.667 m	41° 29' 12.12442" N	95° 20' 14.52886" W	325.656 m	
	Clarinda	IACN	411	IaDOT	LEICA GRX1200GGPRO	LEIAX1203+GNSS NONE	40° 44' 33.94313" N	95° 01' 20.26100" W	282.354 m	40° 44' 33.94312" N	95° 01' 20.26166" W	282.339 m	
	Corning <sup>(5)</sup>	IACO	408	IaDOT	LEICA GRX1200+GNSS	LEIAX1202GG NONE	41° 00' 51.70530" N	94° 44' 14.35762" W	368.969 m	41° 00' 51.70529" N	94° 44' 14.35854" W	368.957 m	
	Corning <sup>(8)</sup>	IACO	408	IaDOT	LEICA GRX1200+GNSS	LEIAX1202GG NONE	41° 00' 49.55627" N	94° 44' 15.67723" W	368.014 m				
	Council Bluffs	IACB	405	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 13' 26.38342" N	95° 51' 11.59327" W	277.921 m	41° 13' 26.38336" N	95° 51' 11.59397" W	277.920 m	
	Creston	IACR	409	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 03' 11.11778" N	94° 21' 05.29411" W	366.311 m	41° 03' 11.11780" N	94° 21' 05.29491" W	366.300 m	
	De Soto	IADS	404	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 33' 06.29274" N	94° 00' 28.48087" W	247.455 m	41° 33' 06.34960" N	94° 00' 28.48163" W	247.440 m	
	Missouri Valley	IAMV	401	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 34' 15.68388" N	95° 51' 30.05892" W	291.100 m	41° 34' 15.68376" N	95° 51' 30.05970" W	291.101 m	
	Mount Ayr	IAMA	412	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	40° 42' 30.43608" N	94° 15' 06.39023" W	347.849 m	40° 42' 30.43616" N	94° 15' 06.39104" W	347.841 m	
	Red Oak	IARO	407	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 01' 19.74861" N	95° 14' 00.58873" W	291.667 m	41° 01' 19.74860" N	95° 14' 00.58962" W	291.661 m	
	Sidney	IASD	410	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	40° 44' 58.49903" N	95° 38' 10.30768" W	303.067 m	40° 44' 58.49898" N	95° 38' 10.30847" W	303.070 m	
5	Albia	IAAA	514	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 00' 49.06465" N	92° 48' 45.62748" W	268.141 m	41° 00' 49.06467" N	92° 48' 45.62838" W	268.131 m	
	Bloomfield	IABL	508	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	40° 44' 26.73776" N	92° 25' 51.03584" W	241.012 m	40° 44' 26.73777" N	92° 25' 51.03652" W	241.003 m	
	Centerville <sup>(6)</sup>	IACE	506	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	40° 42' 07.27159" N	92° 52' 12.62538" W	286.801 m	40° 42' 07.27150" N	92° 52' 12.62620" W	286.795 m	
	Centerville2 <sup>(8)</sup>	IAC1	506	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	40° 44' 22.62207" N	93° 00' 09.35578" W	279.856 m				
	Chariton	IACH	504	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	40° 58' 57.52643" N	93° 18' 25.39091" W	272.276 m	40° 58' 57.52634" N	93° 18' 25.39174" W	272.271 m	
	Donnellson	IADO	513	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	40° 38' 48.98283" N	91° 33' 57.38920" W	188.694 m	40° 38' 48.98297" N	91° 33' 57.38978" W	188.678 m	
	Fairfield2 <sup>(2)</sup>	IAFA	515	IaDOT	LEICA GRX1200+GNSS	LEIAX1203+GNSS NONE	40° 58' 53.52794" N	91° 57' 33.28281" W	208.889 m				
	Fairfield	IAFA	515	IaDOT	LEICA GRX1200+GNSS	LEIAX1203+GNSS NONE	40° 58' 53.53905" N	91° 57' 33.28049" W	208.957 m	40° 58' 53.53873" N	91° 57' 33.28078" W	208.951 m	
	Knoxville	IAKN	505	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 17' 58.28732" N	93° 06' 03.40345" W	256.373 m	41° 17' 58.28725" N	93° 06' 03.40437" W	256.368 m	
	Leon	IALN	503	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	40° 43' 44.48379" N	93° 45' 42.85998" W	318.581 m	40° 43' 44.48380" N	93° 45' 42.86096" W	318.566 m	
	Martensdale	IAMD	501	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 22' 16.79970" N	93° 44' 38.84688" W	232.973 m	41° 22' 16.79963" N	93° 44' 38.84771" W	232.961 m	
	Morning Sun <sup>(9)</sup>	IAMS	511	IaDOT	LEICA GRX1200+GNSS	LEIAX1202GG NONE	41° 05' 17.83732" N	91° 10' 58.71184" W	190.941 m				
	Muscatine	IAMU	516	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 26' 02.02982" N	91° 05' 11.91337" W	178.034 m				
	Osceola	IAOS	502	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 01' 40.27422" N	93° 47' 08.43725" W	324.600 m	41° 01' 40.27417" N	93° 47' 08.43810" W	324.585 m	
	Oskaloosa	IAOK	507	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 17' 35.36897" N	92° 41' 04.79071" W	208.709 m	41° 17' 35.36889" N	92° 41' 04.79153" W	208.701 m	
	Sigourney	IASI	509	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 19' 03.32266" N	92° 12' 24.14561" W	199.169 m	41° 19' 03.32257" N	92° 12' 24.14627" W	199.162 m	
	Wapello <sup>(9)</sup>	IAWO	511	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 10' 30.97239" N	91° 11' 29.06740" W	150.940 m	41° 10' 30.97232" N	91° 11' 29.06826" W	150.936 m	
Washington	IAWN	510	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 18' 34.11968" N	91° 40' 44.74802" W	206.499 m	41° 18' 34.11968" N	91° 40' 44.74869" W	206.489 m		
West Burlington	IAWB	512	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	40° 50' 00.48608" N	91° 12' 33.79240" W	187.996 m	40° 50' 00.48614" N	91° 12' 33.79299" W	187.976 m		
6	Anamosa	IAAN	605	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 06' 12.96713" N	91° 15' 24.18885" W	228.120 m	42° 06' 12.96702" N	91° 15' 24.18956" W	228.121 m	
	Coralville	IACI	604	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 42' 38.03092" N	91° 36' 33.23725" W	222.292 m	41° 42' 38.03093" N	91° 36' 33.23790" W	222.285 m	
	Davenport	IADA	607	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 36' 36.18254" N	90° 37' 49.54790" W	201.729 m	41° 36' 36.18235" N	90° 37' 49.54861" W	201.692 m	
	Dubuque	IADU	609	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 27' 21.31733" N	90° 40' 25.97227" W	217.020 m	42° 27' 21.31702" N	90° 40' 25.97318" W	217.000 m	
	Independence	IAIN	601	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 26' 39.02859" N	91° 53' 00.91906" W	272.062 m	42° 26' 39.02847" N	91° 53' 00.91974" W	272.060 m	
	Manchester	IAMR	610	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 29' 04.33692" N	91° 28' 22.77708" W	269.072 m	42° 29' 04.33678" N	91° 28' 22.77785" W	269.074 m	
	Maquoketa	IAMQ	608	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 04' 25.20075" N	90° 38' 42.15315" W	188.679 m	42° 04' 25.20052" N	90° 38' 42.15399" W	188.660 m	
	Marion	IAMN	612	IaDOT	LEICA GRX1200+GNSS	LEIAS10 NONE	42° 01' 49.08323" N	91° 32' 55.55608" W	229.973 m	42° 01' 49.08286" N	91° 32' 55.55666" W	229.991 m	
	Newhall	IANW	602	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 57' 41.91522" N	91° 58' 07.31559" W	245.301 m	41° 57' 41.91514" N	91° 58' 07.31635" W	245.296 m	
	Sabula	IASA	611	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	42° 05' 00.09666" N	90° 11' 55.17682" W	160.769 m	42° 05' 00.09625" N	90° 11' 55.17784" W	160.743 m	
	Tipton	IATI	606	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 38' 33.88909" N	91° 06' 37.55598" W	185.905 m	41° 38' 33.88902" N	91° 06' 37.55668" W	185.887 m	
	Williamsburg	IAWM	603	IaDOT	LEICA GRX1200GGPRO	LEIAX1202GG NONE	41° 42' 09.45041" N	92° 00' 22.02541" W	244.100 m	41° 42' 09.45049" N	92° 00' 22.02592" W	244.089 m	

NOTES:

- 1) On January 7, 2013, the IaRTN started operating with NAD83(2011) Epoch 2010.00 reference station positions, which replaced the previous NAD83(CORS96) Epoch2002.00 positions.
- 2) On September 1, 2015, the antenna at Fairfield (IAFA) was moved and renamed Fairfield2.
- 3) On December 7, 2015, the antenna at Jefferson (IAJE) was moved and renamed Jefferson2.
- 4) On December 23, 2015, the antenna at Cherokee (IACK) was moved and renamed Cherokee2.
- 5) In September, 2016, the base stations at Akron (IAAK), Corning (IACO) and Rock Valley (IARV) were decommissioned due to the maintenance facilities being closed and sold.
- 6) In December, 2016, the base station at Centerville (IACE) was decommissioned due to the maintenance facility being closed and sold.
- 7) On January 17, 2017, the antenna at Des Moines (IADM) was moved and renamed Des Moines2.
- 8) On July 14, 2018, the newbase stations at Centerville2 (IAC1) and Corning2 (IACO) were brought online to replace the previously decommissioned base stations.
- 9) On July 14, 2018, the Wapello (IAWO) base station was decommissioned due to the maintenance facility being closed and sold, and the new base station at Morning Sun (IAMS) was brought online.

laRTN Reference Station Information and Positions

Date: 07/16/2018

District	Site Information				Equipment		(Current) <sup>1</sup> NAD83(2011) Epoch2010.00 Positions			(Superseded) <sup>1</sup> NAD83(CORS96) Epoch2002.00		
	Name	Site ID	Ref. Station No.	Responsible Agency	Receiver	Antenna	Latitude	Longitude	Ellipsoid Height	Latitude	Longitude	Ellipsoid Height
MN	Albert Lea	MNAA	704	MnDOT	TRIMBLE NETR9	TRM57971.00 NONE	43° 40' 35.61230" N	93° 19' 47.01638" W	372.507			
	Beaver Creek	MNBV	709	MnDOT	TRIMBLE NETR9	TRM57971.00 NONE	43° 36' 29.88314" N	96° 22' 41.33853" W	417.535	43° 36' 29.88288" N	96° 22' 41.33927" W	417.543
	Blue Earth	MNBE	705	MnDOT	TRIMBLE NETR9	TRM57971.00 NONE	43° 39' 46.33806" N	94° 07' 19.53116" W	303.346	43° 39' 46.33781" N	94° 07' 19.53171" W	303.352
	Elkton	MNEK	703	MnDOT	TRIMBLE NETR9	TRM57971.00 NONE	43° 39' 29.99163" N	92° 41' 19.43292" W	403.768	43° 39' 29.99161" N	92° 41' 19.43310" W	403.739
	Fairmont	MNFR	706	MnDOT	TRIMBLE NETR9	TRM57971.00 NONE	43° 39' 52.80186" N	94° 26' 36.67070" W	337.002	43° 39' 52.80211" N	94° 26' 36.67198" W	337.025
	Lakefield	MNLK	707	MnDOT	TRIMBLE NETR9	TRM57971.00 NONE	43° 38' 19.31770" N	95° 07' 06.89118" W	432.849	43° 38' 19.31758" N	95° 07' 06.89186" W	432.857
	New Albin	IANA	701	MnDOT	TRIMBLE NETR9	TRM57971.00 NONE	43° 29' 49.45244" N	91° 17' 26.49752" W	173.268	43° 29' 49.45249" N	91° 17' 26.49801" W	173.298
	Prosper	MNPS	702	MnDOT	TRIMBLE NETR9	TRM57971.00 NONE	43° 30' 53.82190" N	91° 53' 06.82383" W	381.914	43° 30' 53.82179" N	91° 53' 06.82428" W	381.950
	Rushmore	MNRM	708	MnDOT	TRIMBLE NETR9	TRM57971.00 NONE	43° 38' 14.53101" N	95° 46' 12.43736" W	489.764	43° 38' 14.53081" N	95° 46' 12.43796" W	489.768
	Sioux Falls	SFSD	710	MnDOT	TRIMBLE NETR9	TRM57971.00 NONE	43° 34' 19.39026" N	96° 43' 42.61558" W	428.280			
MO	Albany	MOAL	803	MoDOT	TRIMBLE NETR5	TRM57971.00 NONE	40° 15' 20.75423" N	94° 17' 58.90391" W	254.859	40° 15' 20.75427" N	94° 17' 58.90487" W	254.866
	Canton	MOCN	807	MoDOT	TRIMBLE NETR5	TRM57971.00 NONE	40° 08' 36.68890" N	91° 32' 37.66723" W	159.400	40° 08' 36.68893" N	91° 32' 37.66819" W	159.400
	Edina	MOED	806	MoDOT	TRIMBLE NETR5	TRM57971.00 NONE	40° 11' 11.65647" N	92° 10' 30.28759" W	194.657	40° 11' 11.65645" N	92° 10' 30.28845" W	194.635
	Maryville	MOMV	802	MoDOT	TRIMBLE NETR5	TRM57971.00 NONE	40° 21' 29.38592" N	94° 50' 48.02144" W	278.923	40° 21' 29.38595" N	94° 50' 48.02244" W	278.928
	Milan	MOML	805	MoDOT	TRIMBLE NETR5	TRM57971.00 NONE	40° 12' 37.76072" N	93° 06' 57.87605" W	227.280	40° 12' 37.76074" N	93° 06' 57.87704" W	227.277
	Princeton	MOPN	804	MoDOT	TRIMBLE NETR5	TRM57971.00 NONE	40° 25' 02.46875" N	93° 34' 39.03746" W	274.285	40° 25' 02.46874" N	93° 34' 39.03823" W	274.285
	Tarkio	MOTK	801	MoDOT	TRIMBLE NETR5	TRM57971.00 NONE	40° 26' 14.12979" N	95° 21' 04.35661" W	252.968			
WI	Lancaster	WLNC	902	WiDOT	TRIMBLE NETR9	TRM57971.00 NONE	42° 50' 15.64299" N	90° 42' 41.03145" W	281.925			
	Seneca	SECA	901	WiDOT	TRIMBLE NETR5	TRM57971.00 NONE	43° 15' 23.67693" N	90° 58' 37.61504" W	360.304			
	Shullsburg	SHRG	903	WiDOT	TRIMBLE NETR5	TRM57971.00 NONE	42° 34' 47.02158" N	90° 08' 34.11940" W	292.343			

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