

laRTN Reference Station Information and Positions Date: 04/23/2025

Table with columns: District, Site Information (Name, Site ID, Responsible Agency), Equipment (Receiver, Antenna), (Current)1 NAD83(2011) Epoch2010.00 Positions (Latitude, Longitude, Ellipsoid Height), and (Superseded)2 NAD83(2011) Epoch2010.00 Positions (Latitude, Longitude, Ellipsoid Height). Rows are grouped by District (1, 2, 3) and include station names like Ames, Boone, Des Moines2, Fort Dodge, Grundy Center, Jefferson2, Malcom, Marshalltown, Newton, Tama, Williams, Algona, Allison, Clarion, Decorah, Elkader, Garner, Hanlontown, Latimer, New Hampton, Osage, Swea City2, Waterloo, Waukon2, West Union, Akron2, Ashton, Carroll, Cherokee2, Correctionville, Denison, Emmetsburg, Le Mars, Onawa, Pocahontas, Rock Rapids, Rock Valley2, Sac City, Spirit Lake, Storm Lake, Sloan, Spencer, and Sioux City2.

NOTES:

- 1) 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.
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) January 17, 2017, the antenna at Des Moines (IADM) was relocated to a new building and renamed Des Moines2 (IADM).
4) December 7, 2015, the antenna at Jefferson (IAJE) was moved and renamed Jefferson2 (IAJE).
5) April 30, 2013, the antenna at Swea City (IASW) was relocated to a new building and renamed Swea City2 (IASW).
6) August 16, 2011, the antenna at Waukon (IAWK) was relocated to a new building and renamed Waukon2 (IAWK).
7) 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.
8) December 23, 2015, the antenna at Cherokee (IACK) was moved and renamed Cherokee2 (IACK).
9) 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.
10) April 3, 2024, new reference station due a new maintenance building in Sioux City. Site IASX will decommissioned Fall, 2024.
11) February 3, 2025, IAWU Product Marker Coordinates were updated from a Bernese software adjustment.

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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
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	WLNC	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

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- 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.