

STATION COORDINATES BASED ON NAD83

H.A.R.N.

MDOT STATIONS

<u>STATION</u>	<u>LOCATION</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>ELL. Hgt. (m)</u>
ADRI	ADRIAN, MI	41°55'08.33225 N	84°01'27.38234 W	207.108
AVCA*	AVOCA, MI	43°03'39.26046 N	82°41'15.85488 W	201.616
BAYR	SAGINAW, MI	43°26'46.39816 N	83°53'30.21008 W	149.966
BRIG	BRIGHTON, MI	42°31'12.33765 N	83°45'23.93614 W	262.465
CASS*	CASS CITY, MI	42°36'06.99150 N	83°09'40.07904 W	197.934
CLRE*	MARINE CITY, MI	42°43'25.91602 N	82°35'44.51843 W	155.568
FRTG*	FORT GRATIOT, MI	43°02'15.21951 N	82°29'17.37257 W	157.601
GRAR	GRAND RAPIDS, MI	42°59'19.66794 N	85°40'27.61017 W	157.026
LANS	LANSING, MI	42°40'25.95245 N	84°39'47.88530 W	242.239
METR	AUBURN HILLS, MI	42°41'05.08004 N	83°14'33.95254 W	261.619
MIO1*	MIO, MI	44°39'05.17716 N	84°08'00.48855 W	279.569
MPL	MOUNT PLEASANT, MI	43°36'54.24829 N	84°45'42.26863 W	201.752
NOR1	CADILLAC, MI	44°15'20.94295 N	85°26'13.74563 W	365.122
NOR2	GAYLORD, MI	44°59'21.30509 N	84°41'00.16833 W	361.426
NOR3	ALPENA, MI	45°04'06.87318 N	83°34'07.10546 W	175.497
OKEE	SAINT CLAIR, MI	42°54'49.87494 N	82°35'41.51573 W	160.840
SIBY	BROWNSTOWN TWP, MI	42°10'12.55540 N	83°14'28.77399 W	153.660
SOWR	KALAMAZOO, MI	42°13'33.09019 N	85°32'00.82124 W	232.568
SUP1	LA'NSE, MI	46°44'55.43749 N	88°26'31.94060 W	203.970
SUP2	ESCANABA, MI	45°44'58.10940 N	87°04'24.59928 W	154.800
SUP3	NEWBERRY, MI	46°18'09.56064 N	85°30'46.06892 W	222.653
UNIV	JACKSON, MI	42°17'08.20221 N	84°23'09.29022 W	265.649

Coordinates for the stations followed with an "" are preliminary positions and will be updated.

All ellipsoidal heights are for the antenna reference point (ARP).

The L1 Phase center offset for the above stations to the ARP is 0.1093m (0.3586ft).

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MDOT STATIONS

Cartesian Coordinates (meters)

<u>STATION</u>	<u>LOCATION</u>	<u>X</u>	<u>Y</u>	<u>Z</u>
ADRI	ADRIAN, MI	494838.884	-4727341.525	4239050.414
AVCA*	AVOCA, MI	594062.788	-4629523.848	4332585.460
BAYR	SAGINAW, MI	493530.730	-4611779.530	4363728.946
BRIG	BRIGHTON, MI	512039.301	-4680416.300	4288537.513
CASS*	CASS CITY, MI	550880.254	-4593316.147	4376307.006
CLRE*	MARINE CITY, MI	604778.573	-4653802.224	4305122.131
FRTG*	FORT GRATIOT, MI	610412.417	-4629149.792	4330660.152
GRAR	GRAND RAPIDS, MI	352456.519	-4659605.867	4326698.498
LANS	LANSING, MI	436838.223	-4676405.070	4301099.562
METR	AUBURN HILLS, MI	552539.785	-4663339.752	4302000.347
MIO1*	MIO, MI	464560.952	-4521292.082	4460071.880
MPLE	MOUNT PLEASANT, MI	422272.065	-4605912.229	4377365.696
NOR1	CADILLAC, MI	364028.350	-4561443.876	4428749.568
NOR2	GAYLORD, MI	418699.273	-4499251.030	4486759.206
NOR3	ALPENA, MI	505438.052	-4483925.610	4492858.293
OKEE	SAINT CLAIR, MI	602997.904	-4639571.381	4320607.238
SIBY	BROWNSTOWN TWP, MI	557186.170	-4701544.221	4259733.539
SOWR	KALAMAZOO, MI	368376.449	-4715982.290	4264370.519
SUP1	LA'NSE, MI	119023.030	-4376596.390	4622818.366
SUP2	ESCANABA, MI	227623.807	-4452601.771	4545971.522
SUP3	NEWBERRY, MI	345352.257	-4400682.358	4588713.827
UNIV	JACKSON, MI	462324.191	-4703240.513	4269305.556

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updated: 4/17/2003

It is the users responsibility to verify these coordinates prior to their use