

## Built-in Datums

The following is a list of the datums built in to Global Mapper and the transformation parameters used to convert those datums. All parameters are given with respect to transforming from the given datum to WGS-84.

Datum Name	EPSG Code	Ellipsoid Name	dX (m)	dY (m)	dZ (m)	rX (as)	rY (as)	rZ (as)	Scale (x 10 <sup>-6</sup> )
ADINDAN	6201	<a href="#">Clarke 1880</a>	-162.00	-12.00	206.00	N/A	N/A	N/A	N/A
AIN EL ABD (BAHRAIN)	6204	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-150.00	-250.00	-1.00	N/A	N/A	N/A	N/A
AIN EL ABD (SAUDI ARABIA)	6204	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-143.00	-236.00	7.00	N/A	N/A	N/A	N/A
ARATU (BRAZIL)	6208	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-158.00	315.00	-148.00	N/A	N/A	N/A	N/A
ARC1950	6209	<a href="#">Clarke 1880</a>	-143.00	-90.00	-294.00	N/A	N/A	N/A	N/A
ARC1960	6210	<a href="#">Clarke 1880</a>	-160.00	-8.00	-300.00	N/A	N/A	N/A	N/A
ASTRO B4 (SOROL ATOLL)	Unknown	<a href="#">International 1909 (Hayford/Intl 1924)</a>	114.00	-116.00	-333.00	N/A	N/A	N/A	N/A
ASTRO BEACON	Unknown	<a href="#">International 1909 (Hayford/Intl 1924)</a>	145.00	75.00	-272.00	N/A	N/A	N/A	N/A
ASTRO DOS 71/4	Unknown	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-320.00	550.00	-494.00	N/A	N/A	N/A	N/A
ASTRONOMIC STATION 1952	Unknown	<a href="#">International 1909 (Hayford/Intl 1924)</a>	124.00	-234.00	-25.00	N/A	N/A	N/A	N/A
ATS77 (NOVA SCOTIA)	6122	<a href="#">ATS77</a>	Uses NTv2 Conversion Tables						
AUSTRALIAN GEODETIC 1966	6202	<a href="#">Australian National</a>	Uses NTv2 Conversion Tables						
AUSTRALIAN GEODETIC 1984	6203	<a href="#">Australian National</a>	Uses NTv2 Conversion Tables						
BD72 (BELGIUM 1972)	6313	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-99.06	53.32	-112.49	0.4190	-0.8300	1.8850	-1.00000
BEIJING 1954	6214	<a href="#">Krassovsky</a>	22.00	-118.00	-30.50	N/A	N/A	N/A	N/A
BESSEL 1841 (ITALY) [Castanea d. F.]	Unknown	<a href="#">Bessel 1841</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
BESSEL 1841 (ITALY) [Genova]	Unknown	<a href="#">Bessel 1841</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
BESSEL 1841 (ITALY) [Monte Mario]	Unknown	<a href="#">Bessel 1841</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
BESSEL 1841 [GREENWICH]	Unknown	<a href="#">Bessel 1841</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
BOGOTA OBSERVATORY	6218	<a href="#">International 1909 (Hayford/Intl 1924)</a>	304.50	306.50	-318.10	N/A	N/A	N/A	N/A
BUKIT RIMPAH	6219	<a href="#">Bessel 1841</a>	-384.00	664.00	-48.00	N/A	N/A	N/A	N/A
CAMACUPA	6220	<a href="#">Clarke 1880 (RGS)</a>	-41.06	-374.56	-226.29	0.0000	0.0000	0.5540	0.21900
CAMP AREA ASTRO	6715	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-104.00	-129.00	239.00	N/A	N/A	N/A	N/A
CAMPO INCHAUSPE (ARGENTINA)	6221	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-148.00	136.00	90.00	N/A	N/A	N/A	N/A
CAPE	6222	<a href="#">Clarke 1880</a>	-136.00	-108.00	-292.00	N/A	N/A	N/A	N/A
CARTHAGE	6223	<a href="#">Clarke 1880</a>	-263.00	6.00	431.00	N/A	N/A	N/A	N/A
CHAD (WG1998)	Unknown	<a href="#">WGS72</a>	-2.64	15.36	0.94	N/A	N/A	N/A	N/A
CLARKE 1866 AUTHALIC SPHERE	Unknown	<a href="#">Sphere Radius 6370997 m</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
CORREGO ALEGRE (BRAZIL)	6225	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-206.00	172.00	-6.00	N/A	N/A	N/A	N/A
D-48 SLOVENIA	Unknown	<a href="#">Bessel 1841</a>	668.00	-205.00	472.00	N/A	N/A	N/A	N/A
DEALU PISCULUI 1970	6317	<a href="#">Krassovsky</a>	28.00	-121.00	-77.00	N/A	N/A	N/A	N/A
DEIR EZ ZOR (SYRIA)	6227	<a href="#">Clarke 1880 (IGN)</a>	-83.58	-397.54	458.78	-17.5950	-2.8470	4.2560	3.22500
DUTCH (RD)	6289	<a href="#">Bessel 1841</a>	565.04	49.91	465.84	-0.4094	0.3597	-1.8685	4.07720
EASTER ISLAND 1967	6719	<a href="#">International 1909 (Hayford/Intl 1924)</a>	211.00	147.00	111.00	N/A	N/A	N/A	N/A
ED50	6230	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-87.00	-98.00	-121.00	N/A	N/A	N/A	N/A
ED50 (ENGLAND)	6230	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-86.00	-96.00	-120.00	N/A	N/A	N/A	N/A
ED50 (FINLAND/NORWAY)	6230	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-87.00	-95.00	-120.00	N/A	N/A	N/A	N/A
ED50 (GREECE)	6230	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-84.00	-95.00	-130.00	N/A	N/A	N/A	N/A
ED50 (ITALY)	6230	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-87.00	-98.00	-121.00	N/A	N/A	N/A	N/A
ED50 (NORTH SEA)	6230	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-89.50	-93.80	-123.10	0.0000	0.0000	-0.1560	1.20000
ED50 (NORWAY OFFSHORE - N62)	6230	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-116.64	-56.93	-110.56	0.8930	0.9210	-0.9170	-3.52000
ED50 (NORWAY OFFSHORE - S62)	6230	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-90.36	-101.13	-123.38	0.3330	0.0770	0.8940	1.99400
ED50 (SICILY)	6230	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-97.00	-88.00	-135.00	N/A	N/A	N/A	N/A
ED50 (SPAIN/PORTUGAL)	6230	<a href="#">International 1909 (Hayford/Intl 1924)</a>	Uses NTv2 Conversion Tables						
ED79	6668	<a href="#">International 1967</a>	-86.00	-98.00	-119.00	N/A	N/A	N/A	N/A
ED87	6231	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-83.11	-97.38	-117.22	0.0057	-0.0447	0.0443	1.21800
EGYPT 1907	6229	<a href="#">Helmert 1906</a>	-130.00	110.00	-13.00	N/A	N/A	N/A	N/A
EGYPT GULF OF SUEZ S-650 TL	6706	<a href="#">Helmert 1906</a>	-146.21	112.63	4.05	N/A	N/A	N/A	N/A

ESTONIA 1997	6180	<a href="#">GRS 1980</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
ETRF2000 - RDN	6326	<a href="#">GRS 1980</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
ETRS89	6258	<a href="#">GRS 1980</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
FD 1958 (IRAQ)	6132	<a href="#">Clarke 1880 (RGS)</a>	-241.54	-163.64	396.06	N/A	N/A	N/A	N/A
FINLAND/HAYFORD	6123	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-78.00	-231.00	-97.00	N/A	N/A	N/A	N/A
GDA 94 (AUSTRALIAN GEODETIC 1994)	6283	<a href="#">GRS 1980</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
GGRS87 (GREECE)	6121	<a href="#">GRS 1980</a>	-199.87	74.79	246.62	N/A	N/A	N/A	N/A
GOOGLE MAPS (SPHERE RADIUS 6378137)	Unknown	<a href="#">Sphere Radius 6378137 m</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
GRS80 ELLIPSOID	6326	<a href="#">GRS 1980</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
GUAM 1963	6675	<a href="#">Clarke 1866</a>	-100.00	-248.00	259.00	N/A	N/A	N/A	N/A
HARTEBEESTHOEK 1994 (S. AFRICA)	6148	<a href="#">GRS 1980</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
HERAT NORTH (AFGHANISTAN)	6255	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-333.00	-222.00	114.00	N/A	N/A	N/A	N/A
HERMANSKOGEL	Unknown	<a href="#">Bessel 1841</a>	653.00	-212.00	449.00	N/A	N/A	N/A	N/A
HJORSEY 1955	6658	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-73.00	46.00	-86.00	N/A	N/A	N/A	N/A
HONG KONG 1963	6738	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-156.00	-271.00	-189.00	N/A	N/A	N/A	N/A
HU TZU SHAN	6236	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-634.00	-549.00	-201.00	N/A	N/A	N/A	N/A
HUNGARIAN DATUM 1972	6237	<a href="#">GRS 1967 (Indonesia 1974)</a>	52.68	-71.19	-13.98	-0.3120	-0.1063	-0.3729	1.01910
IGN72 GRANDE TERRE (NEW CALEDONIA)	6634	<a href="#">International 1909 (Hayford/Intl 1924)</a>	97.30	-263.24	310.88	1.5999	-0.8387	-3.1409	13.32600
INDIAN (BANGLADESH)	Unknown	<a href="#">Everest 1830</a>	289.00	734.00	257.00	N/A	N/A	N/A	N/A
INDIAN (MEAN VALUE)	Unknown	<a href="#">Everest 1830</a>	173.00	750.00	264.00	N/A	N/A	N/A	N/A
INDIAN (NEPAL)	6146	<a href="#">Everest 1956</a>	295.00	736.00	257.00	N/A	N/A	N/A	N/A
INDIAN (THAILAND)	Unknown	<a href="#">Everest 1830</a>	214.00	836.00	303.00	N/A	N/A	N/A	N/A
INDIAN 1954	6239	<a href="#">Everest 1830</a>	217.00	823.00	299.00	N/A	N/A	N/A	N/A
INDIAN 1975	6240	<a href="#">Everest 1830</a>	210.00	814.00	289.00	N/A	N/A	N/A	N/A
INDONESIA 1974	6238	<a href="#">GRS 1967 (Indonesia 1974)</a>	-24.00	-15.00	5.00	N/A	N/A	N/A	N/A
IRELAND 1965	Unknown	<a href="#">Modified Airy</a>	506.00	-122.00	611.00	N/A	N/A	N/A	N/A
IRELAND 1965 (1975 ADJUSTMENT)	Unknown	<a href="#">Modified Airy</a>	482.50	-130.60	564.60	-1.0420	-0.2140	-0.6310	8.15000
IRENET95	6173	<a href="#">GRS 1980</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
ISN93 (ICELAND)	6659	<a href="#">GRS 1980</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
ISTS 073 ASTRO	Unknown	<a href="#">International 1909 (Hayford/Intl 1924)</a>	208.00	-435.00	-229.00	N/A	N/A	N/A	N/A
JAD2001 (JAMAICA 2001)	6758	<a href="#">WGS84</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
JAD69 (JAMAICA 1969)	6242	<a href="#">Clarke 1866</a>	65.33	212.46	387.63	N/A	N/A	N/A	N/A
JGD2000 (JAPAN)	6612	<a href="#">GRS 1980</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
JORDAN	Unknown	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-86.00	-98.00	-119.00	N/A	N/A	N/A	N/A
KERTAU 1948	6245	<a href="#">Everest 1830</a>	-11.00	851.00	5.00	N/A	N/A	N/A	N/A
KERTAU 1948 (MALAYSIA)	6245	<a href="#">Everest 1830</a>	-379.73	775.41	-86.60	2.5966	2.1023	-12.1137	0.00000
KKJ (FINNISH GRID)	6123	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-96.06	-82.43	-121.75	4.8010	0.3450	-1.3760	-1.49600
KOREAN 1985	6162	<a href="#">Bessel 1841</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
KOREAN 1995	6166	<a href="#">WGS84</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
KOREAN GEODETIC DATUM (KGD)	6737	<a href="#">GRS 1980</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
LA CANOA (VENEZUELA)	6247	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-273.50	110.60	-357.90	N/A	N/A	N/A	N/A
LEIGON (GHANA)	6250	<a href="#">Clarke 1880</a>	-130.00	29.00	364.00	N/A	N/A	N/A	N/A
LISBON/LISBOA 1937 (DLx)	6207	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-288.88	-91.74	126.24	-1.6910	0.4100	-0.2110	-4.59800
LKS92 (LATVIA)	6661	<a href="#">GRS 1980</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
LUREF (LUXEMBOURG)	Unknown	<a href="#">International 1909 (Hayford/Intl 1924)</a>	Uses Linear Shift						
LUZON (PHILIPPINES)	6253	<a href="#">Clarke 1866</a>	-133.00	-77.00	-51.00	N/A	N/A	N/A	N/A
M'PORALOKO (GABON)	6266	<a href="#">Clarke 1880</a>	-80.70	-132.50	41.10	N/A	N/A	N/A	N/A
MALONGO 1987	6259	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-254.10	-5.36	-100.29	N/A	N/A	N/A	N/A
MERCHICH (MOROCCO)	6261	<a href="#">Clarke 1880</a>	31.00	146.00	47.00	N/A	N/A	N/A	N/A
MGI AUSTRIA	6312	<a href="#">Bessel 1841</a>	577.33	90.13	463.92	5.1370	1.4740	5.2970	2.42320
MINNA (CAMEROON)	6263	<a href="#">Clarke 1880</a>	-81.00	-84.00	115.00	N/A	N/A	N/A	N/A
MINNA (NIGERIA)	6263	<a href="#">Clarke 1880</a>	-92.00	-93.00	122.00	N/A	N/A	N/A	N/A
MN COUNTY (ANOKA)	6152	<a href="#">MN County - Anoka</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (BECKER)	6152	<a href="#">MN County - Becker</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (BELTRAMI NORTH)	6152	<a href="#">MN County - Beltrami North</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (BELTRAMI SOUTH)	6152	<a href="#">MN County - Beltrami South</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (BENTON)	6152	<a href="#">MN County - Benton</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (BIG STONE)	6152	<a href="#">MN County - Big Stone</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (BLUE EARTH)	6152	<a href="#">MN County - Blue Earth</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (BROWN)	6152	<a href="#">MN County - Brown</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (CARLTON)	6152	<a href="#">MN County - Carlton</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A

MN COUNTY (CARVER)	6152	<a href="#">MN County - Carver</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (CASS NORTH)	6152	<a href="#">MN County - Cass North</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (CASS SOUTH)	6152	<a href="#">MN County - Cass South</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (CHIPPEWA)	6152	<a href="#">MN County - Chippewa</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (CHISAGO)	6152	<a href="#">MN County - Chisago</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (COOK NORTH)	6152	<a href="#">MN County - Cook North</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (COOK SOUTH)	6152	<a href="#">MN County - Cook South</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (COTTONWOOD)	6152	<a href="#">MN County - Cottonwood</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (CROW WING)	6152	<a href="#">MN County - Crow Wing</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (DAKOTA)	6152	<a href="#">MN County - Dakota</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (DODGE)	6152	<a href="#">MN County - Dodge</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (DOUGLAS)	6152	<a href="#">MN County - Douglas</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (FARIBAULT)	6152	<a href="#">MN County - Faribault</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (FILLMORE)	6152	<a href="#">MN County - Fillmore</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (FREEBORN)	6152	<a href="#">MN County - Freeborn</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (GOODHUE)	6152	<a href="#">MN County - Goodhue</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (GRANT)	6152	<a href="#">MN County - Grant</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (HENNEPIN)	6152	<a href="#">MN County - Hennepin</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (HOUSTON)	6152	<a href="#">MN County - Houston</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (ISANTI)	6152	<a href="#">MN County - Isanti</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (ITASCA NORTH)	6152	<a href="#">MN County - Itasca North</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (ITASCA SOUTH)	6152	<a href="#">MN County - Itasca South</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (JACKSON)	6152	<a href="#">MN County - Jackson</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (KANABEC)	6152	<a href="#">MN County - Kanabec</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (KANDIYOHI)	6152	<a href="#">MN County - Kandiyohi</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (KITTSOON)	6152	<a href="#">MN County - Kittson</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (KOOCHICHING)	6152	<a href="#">MN County - Koochiching</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (LAC QUI PARLE)	6152	<a href="#">MN County - Lac Qui Parle</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (LAKE OF THE WOODS NORTH)	6152	<a href="#">MN County - Lake of the Woods North</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (LAKE OF THE WOODS SOUTH)	6152	<a href="#">MN County - Lake of the Woods South</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (LE SUEUR)	6152	<a href="#">MN County - Le Sueur</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (LINCOLN)	6152	<a href="#">MN County - Lincoln</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (LYON)	6152	<a href="#">MN County - Lyon</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (MAHNOMEN)	6152	<a href="#">MN County - Mahnomen</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (MARSHALL)	6152	<a href="#">MN County - Marshall</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (MARTIN)	6152	<a href="#">MN County - Martin</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (MCLEOD)	6152	<a href="#">MN County - McLeod</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (MEEKER)	6152	<a href="#">MN County - Meeker</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (MORRISON)	6152	<a href="#">MN County - Morrison</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (MOWER)	6152	<a href="#">MN County - Mower</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (MURRAY)	6152	<a href="#">MN County - Murray</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (NICOLLET)	6152	<a href="#">MN County - Nicollet</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (NOBLES)	6152	<a href="#">MN County - Nobles</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (NORMAN)	6152	<a href="#">MN County - Norman</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (OLMSTED)	6152	<a href="#">MN County - Olmsted</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (OTTERTAIL)	6152	<a href="#">MN County - Ottertail</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (PENNINGTON)	6152	<a href="#">MN County - Pennington</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (PINE)	6152	<a href="#">MN County - Pine</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (PIPESTONE)	6152	<a href="#">MN County - Pipestone</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (POLK)	6152	<a href="#">MN County - Polk</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (POPE)	6152	<a href="#">MN County - Pope</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (RAMSEY)	6152	<a href="#">MN County - Ramsey</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (RED LAKE)	6152	<a href="#">MN County - Red Lake</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (REDWOOD)	6152	<a href="#">MN County - Redwood</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (RENVILLE)	6152	<a href="#">MN County - Renville</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (RICE)	6152	<a href="#">MN County - Rice</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (ROCK)	6152	<a href="#">MN County - Rock</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (ROSEAU)	6152	<a href="#">MN County - Roseau</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (SCOTT)	6152	<a href="#">MN County - Scott</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (SHERBURNE)	6152	<a href="#">MN County - Sherburne</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (SIBLEY)	6152	<a href="#">MN County - Sibley</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (ST LOUIS CENTRAL)	6152	<a href="#">MN County - St Louis Central</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (ST LOUIS NORTH)	6152	<a href="#">MN County - St Louis North</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (ST LOUIS SOUTH)	6152	<a href="#">MN County - St Louis South</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (STEARNS)	6152	<a href="#">MN County - Stearns</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (STEELE)	6152	<a href="#">MN County - Steele</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (STEVENS)	6152	<a href="#">MN County - Stevens</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (SWIFT)	6152	<a href="#">MN County - Swift</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (TODD)	6152	<a href="#">MN County - Todd</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A

MN COUNTY (TRAVERSE)	6152	<a href="#">MN County - Traverse</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (WABASHA)	6152	<a href="#">MN County - Wabasha</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (WADENA)	6152	<a href="#">MN County - Wadena</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (WASECA)	6152	<a href="#">MN County - Waseca</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (WATONWAN)	6152	<a href="#">MN County - Watonwan</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (WINONA)	6152	<a href="#">MN County - Winona</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (WRIGHT)	6152	<a href="#">MN County - Wright</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MN COUNTY (YELLOW MEDICINE)	6152	<a href="#">MN County - Yellow Medicine</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
MODIS SPHEROID (6371007.181 M)	Unknown	<a href="#">Sphere Radius 6371007.181 m</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
NAD27	6267	<a href="#">Clarke 1866</a>	Automatically Uses Appropriate Specialization for Location						
NAD27 (ALASKA)	6267	<a href="#">Clarke 1866</a>	Uses NADCON Conversion Tables						
NAD27 (ALEUTIAN ISLANDS EAST)	6267	<a href="#">Clarke 1866</a>	Uses NADCON Conversion Tables						
NAD27 (ALEUTIAN ISLANDS WEST)	6267	<a href="#">Clarke 1866</a>	Uses NADCON Conversion Tables						
NAD27 (BAHAMAS)	6267	<a href="#">Clarke 1866</a>	-4.00	154.00	178.00	N/A	N/A	N/A	N/A
NAD27 (CANADA)	6267	<a href="#">Clarke 1866</a>	Uses NTv2 Conversion Tables						
NAD27 (CANAL ZONE)	6267	<a href="#">Clarke 1866</a>	0.00	125.00	201.00	N/A	N/A	N/A	N/A
NAD27 (CARIBBEAN)	6267	<a href="#">Clarke 1866</a>	-7.00	152.00	178.00	N/A	N/A	N/A	N/A
NAD27 (CENTRAL AMERICA)	6267	<a href="#">Clarke 1866</a>	0.00	125.00	194.00	N/A	N/A	N/A	N/A
NAD27 (CONUS)	6267	<a href="#">Clarke 1866</a>	Uses NADCON Conversion Tables						
NAD27 (CUBA)	6267	<a href="#">Clarke 1866</a>	-9.00	152.00	178.00	N/A	N/A	N/A	N/A
NAD27 (GREENLAND)	6267	<a href="#">Clarke 1866</a>	11.00	114.00	195.00	N/A	N/A	N/A	N/A
NAD27 (MEXICO)	6267	<a href="#">Clarke 1866</a>	-12.00	130.00	190.00	N/A	N/A	N/A	N/A
NAD27 (SAN SALVADOR)	6267	<a href="#">Clarke 1866</a>	1.00	140.00	165.00	N/A	N/A	N/A	N/A
NAD27 (YUMA PROVING GROUNDS)	6267	<a href="#">Clarke 1866</a>	-5.66	145.93	182.73	N/A	N/A	N/A	N/A
NAD83	6269	<a href="#">GRS 1980</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
NAD83 (ALABAMA HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (ARIZONA HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (ARKANSAS HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (CALIFORNIA NORTH HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (CALIFORNIA SOUTH HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (COLORADO HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (FLORIDA HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (GEORGIA HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (HAWAII HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (ILLINOIS HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (INDIANA HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (IOWA HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (KANSAS HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (KENTUCKY HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (LOUISIANA HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (MAINE HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (MARYLAND-DELAWARE HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (MICHIGAN HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (MINNESOTA HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (MISSISSIPPI HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (MISSOURI HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (MONTANA EAST HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (MONTANA WEST-IDAHO HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (NEBRASKA HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (NEVADA HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (NEW ENGLAND HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (NEW JERSEY HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (NEW MEXICO HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (NEW YORK HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (NORTH DAKOTA HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (OHIO HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (OKLAHOMA HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (PENNSYLVANIA HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (PUERTO RICO/VIRGIN ISLANDS HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (SOUTH CAROLINA HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (SOUTH DAKOTA HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (TENNESSEE HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (TEXAS EAST HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (TEXAS WEST HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (UTAH HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (VIRGINIA HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (WASHINGTON-OREGON HPGN)	6152	<a href="#">GRS 1980</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
NAD83 (WEST VIRGINIA HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (WISCONSIN HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						
NAD83 (WYOMING HPGN)	6152	<a href="#">GRS 1980</a>	Uses NADCON Conversion Tables						

NAHRWAN (UAE)	6270	<a href="#">Clarke 1880 (RGS)</a>	-249.00	-156.00	381.00	N/A	N/A	N/A	N/A
NAPARIMA 1972 (TRINIDAD & TOBAGO)	6271	<a href="#">International 1909 (Hayford/Int'l 1924)</a>	-2.00	374.00	172.00	N/A	N/A	N/A	N/A
NEW ISRAELI DATUM (NID)	6141	<a href="#">GRS 1980</a>	-23.50	-18.19	-17.53	-0.3000	-1.8400	1.6400	5.43000
NGO 1948 (GREENWICH MERIDIAN)	6273	<a href="#">Bessel (Modified)</a>	278.30	93.00	474.50	7.8890	0.0500	-6.6100	6.21000
NGO 1948 (OSLO MERIDIAN)	6817	<a href="#">Bessel (Modified)</a>	278.30	93.00	474.50	7.8890	0.0500	-6.6100	6.21000
NORTH SAHARA 1959	6307	<a href="#">Clarke 1880</a>	-186.00	-93.00	310.00	N/A	N/A	N/A	N/A
NORTH SAHARA 1959 (HASSI MESSAOUD)	6307	<a href="#">Clarke 1880</a>	-156.50	-87.20	290.40	0.0000	0.0000	0.5540	-0.22630
NTF FRANCE (GREENWICH MERIDIAN)	6275	<a href="#">Clarke 1880 (IGN)</a>	Uses Grid Shift File						
NTF FRANCE (PARIS MERIDIAN)	6807	<a href="#">Clarke 1880 (IGN)</a>	Uses Grid Shift File						
NZGD2000	6167	<a href="#">GRS 1980</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
NZGD49	6272	<a href="#">International 1909 (Hayford/Int'l 1924)</a>	Uses NTv2 Conversion Tables						
OBSERVATORIO 1966	Unknown	<a href="#">International 1909 (Hayford/Int'l 1924)</a>	-425.00	-169.00	81.00	N/A	N/A	N/A	N/A
OCOTEPEQUE (COSTA RICA)	Unknown	<a href="#">Clarke 1866</a>	213.12	9.36	-74.95	N/A	N/A	N/A	N/A
OLD HAWAIIAN MEAN	6267	<a href="#">Clarke 1866</a>	Uses NADCON Conversion Tables						
OLD ISRAELI DATUM (OID)	6281	<a href="#">Clarke 1880 (Palestine)</a>	-275.72	94.78	340.90	-8.0010	-4.4203	-11.8210	-12.78000
OMAN	Unknown	<a href="#">Clarke 1880</a>	-346.00	-1.00	224.00	N/A	N/A	N/A	N/A
ORDNANCE SURVEY 1936 (OSGB36)	6277	<a href="#">Airy</a>	Uses NTv2 Conversion Tables						
PICO DE LAS NIEVES	6728	<a href="#">International 1909 (Hayford/Int'l 1924)</a>	-307.00	-92.00	127.00	N/A	N/A	N/A	N/A
POINTE NOIRE 1948 (CONGO)	6282	<a href="#">Clarke 1880</a>	-148.00	51.00	-291.00	N/A	N/A	N/A	N/A
PORTUGUESE 1973 (DATUM 73)	6274	<a href="#">International 1909 (Hayford/Int'l 1924)</a>	-239.75	88.18	30.49	0.2630	0.0820	1.2110	2.22900
POSGAR94 (ARGENTINA)	6694	<a href="#">GRS 1980</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
POTSDAM/DHDN (GERMANY)	6314	<a href="#">Bessel 1841</a>	598.10	73.70	418.20	0.2020	0.0450	-2.4550	6.70000
PROVISIONAL SOUTH CHILEAN	Unknown	<a href="#">International 1909 (Hayford/Int'l 1924)</a>	16.00	196.00	93.00	N/A	N/A	N/A	N/A
PRS92 (PHILIPPINES)	6683	<a href="#">Clarke 1866</a>	-127.62	-67.24	-47.04	-3.0680	4.9030	1.5780	-1.06000
PSAD56 (PROV. S. AMERICAN 1956)	6248	<a href="#">International 1909 (Hayford/Int'l 1924)</a>	-288.00	175.00	-376.00	N/A	N/A	N/A	N/A
PSD93 (OMAN)	6134	<a href="#">Clarke 1880</a>	-180.62	-225.52	173.92	-0.8100	-1.8980	8.3360	16.71006
PUERTO RICO	6139	<a href="#">Clarke 1866</a>	Uses NADCON Conversion Tables						
QND95 (QATAR)	6614	<a href="#">International 1909 (Hayford/Int'l 1924)</a>	-119.43	-303.66	-11.00	1.1643	0.1745	1.0966	3.65706
QORNOQ	6287	<a href="#">International 1909 (Hayford/Int'l 1924)</a>	164.00	138.00	-189.00	N/A	N/A	N/A	N/A
REUNION ISLAND	6626	<a href="#">International 1909 (Hayford/Int'l 1924)</a>	94.00	-948.00	-1262.00	N/A	N/A	N/A	N/A
REYKJAVIK 1900	6659	<a href="#">Danish 1876</a>	-28.00	199.00	5.00	N/A	N/A	N/A	N/A
RGF-93	6171	<a href="#">GRS 1980</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
RGNC91-93 (NEW CALEDONIA)	6749	<a href="#">GRS 1980</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
ROME 1940 [MONTE MARIO] (GREENWICH)	6265	<a href="#">International 1909 (Hayford/Int'l 1924)</a>	-104.10	-49.10	-9.90	0.9710	-2.9170	0.7140	-11.68000
ROME 1940 [MONTE MARIO] (ROME)	6806	<a href="#">International 1909 (Hayford/Int'l 1924)</a>	-104.10	-49.10	-9.90	0.9710	-2.9170	0.7140	-11.68000
RT90	6124	<a href="#">Bessel 1841</a>	414.10	41.30	603.10	-0.8550	2.1410	-7.0230	0.00000
S-42 (PULKOVO 1942)	6284	<a href="#">Krassovsky</a>	Automatically Uses Appropriate Specialization for Location						
S-42 ALBANIA	6284	<a href="#">Krassovsky</a>	24.00	-130.00	-92.00	N/A	N/A	N/A	N/A
S-42 AZERBAIJAN/GEORGIA	6284	<a href="#">Krassovsky</a>	686.10	-123.50	-574.40	8.0450	-23.3660	10.7910	-2.92600
S-42 CZECHOSLOVAKIA	6284	<a href="#">Krassovsky</a>	26.00	-121.00	-78.00	N/A	N/A	N/A	N/A
S-42 ESTONIA	6284	<a href="#">Krassovsky</a>	21.59	-97.54	-60.93	-1.0138	-0.5812	-0.2348	-4.61210
S-42 GERMANY	6284	<a href="#">Krassovsky</a>	24.90	-126.40	-93.20	-0.0630	-0.2470	-0.0410	-1.01000
S-42 HUNGARY	6284	<a href="#">Krassovsky</a>	28.00	-121.00	-77.00	N/A	N/A	N/A	N/A
S-42 KAZAKHSTAN	6284	<a href="#">Krassovsky</a>	43.82	-108.84	-119.58	1.4550	-0.7610	0.7370	0.54900
S-42 LATVIA	6284	<a href="#">Krassovsky</a>	24.00	-124.00	-82.00	N/A	N/A	N/A	N/A
S-42 LITHUANIA	6284	<a href="#">Krassovsky</a>	-40.59	-18.55	-69.34	-2.5080	-1.8320	2.6110	-4.29900
S-42 POLAND	6284	<a href="#">Krassovsky</a>	33.40	-146.60	-76.30	-0.3590	-0.0530	0.8440	-0.84000
S-42 ROMANIA	6284	<a href="#">Krassovsky</a>	-5.20	-126.75	-97.08	0.3160	0.4470	0.1340	0.99999
S-42 RUSSIA	6284	<a href="#">Krassovsky</a>	25.00	-141.00	-78.50	0.0000	-0.3500	-0.7360	0.00000
S-JTSK (CZECH REPUBLIC)	6156	<a href="#">Bessel 1841</a>	570.80	85.70	462.80	4.9980	1.5870	5.2610	3.56000
SAO BRAZ	Unknown	<a href="#">International 1909 (Hayford/Int'l 1924)</a>	-203.00	141.00	53.00	N/A	N/A	N/A	N/A
SCHWARZECK (NAMIBIA)	6293	<a href="#">Bessel 1841</a>	616.00	97.00	-251.00	N/A	N/A	N/A	N/A
SIRGAS 2000 (BRAZIL)	6674	<a href="#">GRS 1980</a>	0.48	0.49	-0.30	N/A	N/A	N/A	N/A
SOLOMON 1968 (GUX 1 ASTRO)	6718	<a href="#">International 1909 (Hayford/Int'l 1924)</a>	252.00	-209.00	-751.00	N/A	N/A	N/A	N/A
SOUTH AMERICAN 1969	6291	<a href="#">South America 1969</a>	-57.00	1.00	-41.00	N/A	N/A	N/A	N/A
SOUTH AMERICAN 1969 (BRAZIL)	6291	<a href="#">South America 1969</a>	-66.87	4.37	-38.52	N/A	N/A	N/A	N/A
SOUTHEAST BASE	Unknown	<a href="#">International 1909 (Hayford/Int'l 1924)</a>	-499.00	-249.00	314.00	N/A	N/A	N/A	N/A
SOUTHWEST BASE	Unknown	<a href="#">International 1909 (Hayford/Int'l 1924)</a>	-104.00	167.00	-38.00	N/A	N/A	N/A	N/A
SWEREF99 (SWEDEN)	6619	<a href="#">GRS 1980</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A

SWISS GRID (CH1903)	6149	<a href="#">Bessel 1841</a>	674.37	15.06	405.35	N/A	N/A	N/A	N/A
TANANARIVE 1925 (GREENWICH)	6297	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-179.00	-229.00	-109.00	N/A	N/A	N/A	N/A
TANANARIVE 1925 (PARIS)	6810	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-179.00	-229.00	-109.00	N/A	N/A	N/A	N/A
TIMBALAI 1948	6298	<a href="#">Everest 1830 (1967 Definition)</a>	-679.00	669.00	-48.00	N/A	N/A	N/A	N/A
TOKYO	6301	<a href="#">Bessel 1841</a>	-128.00	481.00	664.00	N/A	N/A	N/A	N/A
TRINIDAD 1903	6302	<a href="#">Clarke 1858</a>	-61.70	284.49	472.05	N/A	N/A	N/A	N/A
WGS72	6322	<a href="#">WGS72</a>	0.00	0.00	4.50	0.0000	0.0000	0.5540	0.22630
WGS84	6326	<a href="#">WGS84</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
WI COUNTY (BURNETT)	6152	<a href="#">WI County - Burnett</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
WI COUNTY (DOUGLAS)	6152	<a href="#">WI County - Douglas</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
WI COUNTY (SHEBOYGAN)	6152	<a href="#">WI County - Sheboygan</a>	0.00	0.00	0.00	N/A	N/A	N/A	N/A
YACARE (URAGUAY)	6309	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-155.00	171.00	37.00	N/A	N/A	N/A	N/A
ZANDERIJ (SURINAME)	6311	<a href="#">International 1909 (Hayford/Intl 1924)</a>	-265.00	120.00	-358.00	N/A	N/A	N/A	N/A

## Built-in Ellipsoids

Ellipsoid Name	Semi-Major Axis (m)	Semi-Minor Axis (m)	Inverse Flattening
ATS77	6378135.000	6356750.305	298.2570011
Airy	6377563.396	6356256.910	299.3249753
Australian National	6378160.000	6356774.719	298.2499973
Bessel (Modified)	6377492.018	6356173.509	299.1528128
Bessel 1841	6377397.155	6356078.963	299.1528131
Clarke 1858	6378293.645	6356617.988	294.2606768
Clarke 1866	6378206.400	6356583.800	294.9786982
Clarke 1880	6378249.145	6356514.870	293.4650000
Clarke 1880 (Benoit)	6378300.789	6356566.435	293.4663155
Clarke 1880 (IGN)	6378249.200	6356515.000	293.4660213
Clarke 1880 (Palestine)	6378300.789	6356566.412	293.4660050
Clarke 1880 (RGS)	6378249.145	6356514.870	293.4650061
Danish 1876	6377019.270	6355762.539	300.0000000
Everest 1830	6377276.345	6356075.413	300.8016994
Everest 1830 (1967 Definition)	6377298.556	6356097.550	300.8017000
Everest 1956	6377301.243	6356100.228	300.8017000
GRS 1967 (Indonesia 1974)	6378160.000	6356774.516	298.2471674
GRS 1980	6378137.000	6356752.314	298.2572221
Helmert 1906	6378200.000	6356818.170	298.3000000
Hough	6378270.000	6356794.343	297.0000006
International 1909 (Hayford/Intl 1924)	6378388.000	6356911.946	297.0000000
International 1967	6378157.500	6356772.200	298.2496154
Interplanetary, Callisto	2408800.000	2408800.000	---
Interplanetary, Europa	1561300.000	1561300.000	---
Interplanetary, Ganymede	2634500.000	2634500.000	---
Interplanetary, Io	1826100.000	1826100.000	---
Interplanetary, Jupiter	71398000.000	66770000.000	15.4273984
Interplanetary, Mars 1990	3393400.000	3375730.000	192.0430108
Interplanetary, Mars 2000	3396190.000	3376200.000	169.8944472
Interplanetary, Mars 2000 Polar Sphere	3376200.000	3376200.000	---
Interplanetary, Mars 2000 Sphere	3396190.000	3396190.000	---
Interplanetary, Mercury	2439000.000	2439000.000	---
Interplanetary, Moon	1737400.000	1737400.000	---
Interplanetary, Neptune	24712000.000	24225000.000	50.7433265
Interplanetary, Pluto	1175000.000	1175000.000	---
Interplanetary, Saturn	60268000.000	54364000.000	10.2079946
Interplanetary, Titan	2575000.000	2575000.000	---
Interplanetary, Uranus	26200000.000	25571000.000	41.6534181
Interplanetary, Venus	6051800.000	6051800.000	---
Interplanetary, Venus 1985	6051000.000	6051000.000	---
Krassovsky	6378245.000	6356863.019	298.3000004
MN County - Anoka	6378418.941	6357033.310	298.2572243
MN County - Becker	6378586.581	6357200.388	298.2572252
MN County - Beltrami North	6378505.809	6357119.886	298.2572138
MN County - Beltrami South	6378544.823	6357158.770	298.2572251
MN County - Benton	6378490.569	6357104.698	298.2572264
MN County - Big Stone	6378470.757	6357084.952	298.2572205
MN County - Blue Earth	6378403.701	6357018.121	298.2572229
MN County - Brown	6378434.181	6357048.499	298.2572256
MN County - Carlton	6378454.907	6357069.155	298.2572185

MN County - Carver	6378400.653	6357015.083	298.2572198
MN County - Cass North	6378567.378	6357181.249	298.2572198
MN County - Cass South	6378546.957	6357160.896	298.2572133
MN County - Chippewa	6378476.853	6357091.028	298.2572266
MN County - Chisago	6378411.321	6357025.715	298.2572166
MN County - Cook North	6378647.541	6357261.143	298.2572166
MN County - Cook South	6378647.541	6357261.143	298.2572166
MN County - Cottonwood	6378514.953	6357129.000	298.2572230
MN County - Crow Wing	6378546.957	6357160.896	298.2572133
MN County - Dakota	6378421.989	6357036.347	298.2572134
MN County - Dodge	6378481.425	6357095.584	298.2572172
MN County - Douglas	6378518.001	6357132.038	298.2572261
MN County - Faribault	6378521.049	6357135.075	298.2572152
MN County - Fillmore	6378464.661	6357078.876	298.2572144
MN County - Freeborn	6378521.049	6357135.075	298.2572152
MN County - Goodhue	6378434.181	6357048.499	298.2572256
MN County - Grant	6378518.001	6357132.038	298.2572261
MN County - Hennepin	6378418.941	6357033.310	298.2572243
MN County - Houston	6378436.619	6357050.928	298.2572141
MN County - Isanti	6378411.321	6357025.715	298.2572166
MN County - Itasca North	6378574.389	6357188.237	298.2572269
MN County - Itasca South	6378574.389	6357188.237	298.2572269
MN County - Jackson	6378521.049	6357135.075	298.2572152
MN County - Kanabec	6378472.281	6357086.471	298.2572220
MN County - Kandiyohi	6378498.189	6357112.292	298.2572201
MN County - Kittson	6378449.421	6357063.688	298.2572270
MN County - Koochiching	6378525.621	6357139.632	298.2572198
MN County - Lac Qui Parle	6378476.853	6357091.028	298.2572266
MN County - Lake of the Woods North	6378466.185	6357080.395	298.2572159
MN County - Lake of the Woods South	6378496.665	6357110.773	298.2572186
MN County - Le Sueur	6378434.181	6357048.499	298.2572256
MN County - Lincoln	6378643.579	6357257.195	298.2572266
MN County - Lyon	6378559.758	6357173.655	298.2572261
MN County - Mahanomen	6378586.581	6357200.388	298.2572252
MN County - Marshall	6378441.801	6357056.093	298.2572193
MN County - Martin	6378521.049	6357135.075	298.2572152
MN County - McLeod	6378414.369	6357028.753	298.2572197
MN County - Meeker	6378498.189	6357112.292	298.2572201
MN County - Morrison	6378502.761	6357116.849	298.2572247
MN County - Mower	6378521.049	6357135.075	298.2572152
MN County - Murray	6378617.061	6357230.765	298.2572139
MN County - Nicollet	6378403.701	6357018.121	298.2572229
MN County - Nobles	6378624.681	6357238.360	298.2572216
MN County - Norman	6378468.623	6357082.825	298.2572183
MN County - Olmsted	6378481.425	6357095.584	298.2572172
MN County - Ottertail	6378525.621	6357139.632	298.2572198
MN County - Pennington	6378445.763	6357060.042	298.2572233
MN County - Pine	6378472.281	6357086.471	298.2572220
MN County - Pipestone	6378670.401	6357283.927	298.2572256
MN County - Polk	6378445.763	6357060.042	298.2572233
MN County - Pope	6378502.761	6357116.849	298.2572247
MN County - Ramsey	6378418.941	6357033.310	298.2572243
MN County - Red Lake	6378445.763	6357060.042	298.2572233
MN County - Redwood	6378438.753	6357053.055	298.2572162
MN County - Renville	6378414.369	6357028.753	298.2572197
MN County - Rice	6378434.181	6357048.499	298.2572256
MN County - Rock	6378624.681	6357238.360	298.2572216
MN County - Roseau	6378449.421	6357063.688	298.2572270
MN County - Scott	6378421.989	6357036.347	298.2572134
MN County - Sherburne	6378443.325	6357057.612	298.2572208
MN County - Sibley	6378414.369	6357028.753	298.2572197
MN County - St Louis Central	6378605.783	6357219.525	298.2572165
MN County - St Louis North	6378543.909	6357157.859	298.2572242
MN County - St Louis South	6378540.861	6357154.821	298.2572211
MN County - Stearns	6378502.761	6357116.849	298.2572247
MN County - Steele	6378481.425	6357095.584	298.2572172
MN County - Stevens	6378502.761	6357116.849	298.2572247
MN County - Swift	6378470.757	6357084.952	298.2572205
MN County - Todd	6378548.481	6357162.415	298.2572148
MN County - Traverse	6378463.746	6357077.964	298.2572134

MN County - Wabasha	6378426.561	6357040.904	298.2572180
MN County - Wadena	6378546.957	6357160.896	298.2572133
MN County - Waseca	6378481.425	6357095.584	298.2572172
MN County - Watonwan	6378514.953	6357129.000	298.2572230
MN County - Winona	6378453.688	6357067.940	298.2572173
MN County - Wright	6378443.325	6357057.612	298.2572208
MN County - Yellow Medicine	6378530.193	6357144.189	298.2572244
Mercury 1960	6378166.000	6356784.284	298.3000008
Modified Airy	6377340.189	6356034.448	299.3249655
Modified Everest 1948	6377304.063	6356103.039	300.8017001
Modified Mercury 1968	6378150.000	6356768.337	298.3000008
South America 1969	6378160.000	6356774.719	298.2499973
Southeast Asia	6378155.000	6356773.321	298.3000002
Sphere Radius 6356752 m	6356752.314	6356752.314	---
Sphere Radius 6370997 m	6370997.000	6370997.000	---
Sphere Radius 6371000 m	6371000.000	6371000.000	---
Sphere Radius 6371007.181 m	6371007.181	6371007.181	---
Sphere Radius 6371204 m	6371204.000	6371204.000	---
Sphere Radius 6378137 m	6378137.000	6378137.000	---
Sphere Radius 6378388 m	6378388.000	6378388.000	---
WGS66	6378145.000	6356759.769	298.2499981
WGS72	6378135.000	6356750.520	298.2599986
WGS84	6378137.000	6356752.314	298.2572236
WI County - Burnett	6378414.960	6357030.274	298.2702182
WI County - Douglas	6378414.930	6357030.244	298.2702168
WI County - Sheboygan	6378285.480	6356900.794	298.2641634
War Office (McCaw 1924)	6378300.000	6356751.689	296.0000000