

ArcGIS 10.1 Geographic and Vertical Transformation Tables

Note: Some numbers have been rounded for display. Area of use values are in degrees based upon WGS 1984.

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Table 1: Geographic (datum) transformations: well-known IDs, accuracies and areas of use

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
Abidjan_1987_To_WGS_1984	1470	2.000	Cote d'Ivoire (Ivory Coast)	0.8400	-8.6100	10.7400	-2.4900
Accra_To_WGS_1972_BE	1570	25.000	Ghana - offshore	1.0800	-3.9000	6.1000	1.3400
Accra_To_WGS_1984	1569	25.000	Ghana	1.0800	-3.9000	11.1700	1.3400
Accra_To_WGS_1984_3	15495	25.000	Ghana - offshore	1.0800	-3.9000	6.1000	1.3400
Adindan_To_WGS_1984_1	1100	9.000	Africa - Eritrea, Ethiopia, South	3.4100	21.8300	22.2300	47.9900

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
			Sudan and Sudan				
Adindan_To_WGS_1984_2	1101	44.000	Burkina Faso	9.4000	-5.5200	15.0800	2.4000
Adindan_To_WGS_1984_3	1102	44.000	Cameroon - onshore	1.6600	8.5100	13.0900	16.2200
Adindan_To_WGS_1984_4	1103	6.000	Ethiopia	3.4000	32.9900	14.8800	48.1200
Adindan_To_WGS_1984_5	1104	44.000	Mali	10.1500	-12.2500	25.0200	4.2600
Adindan_To_WGS_1984_6	1105	44.000	Senegal - onshore	12.3200	-17.5500	16.7000	-11.3700
Adindan_To_WGS_1984_7	1106	7.000	Africa - South Sudan and Sudan onshore	3.4900	21.8400	22.2500	38.6000
Afgooye_To_WGS_1984	1107	44.000	Somalia	-2.3900	41.0100	13.4000	54.9800
AGD_1966_To_GDA_1994	1278	5.000	Australia - all states	-45.0000	108.0000	-10.0000	155.0000
AGD_1966_To_GDA_1994_10_NTv2_New_South_Wales_and_Victoria	1596	0.100	Australia - SE Australia (ACT NSW Vic)	-39.1500	140.9500	-28.1500	153.6200
AGD_1966_To_GDA_1994_11_NTv2	1803	0.100	Australia - all states	-45.0000	108.0000	-10.0000	155.0000
AGD_1966_To_GDA_1994_12	15979	3.000	Australia - offshore	-60.0400	110.7700	-8.8600	174.1000
AGD_1966_To_GDA_1994_2	1458	1.000	Australia - Australian Capital Territory (ACT)	-35.9200	148.7700	-35.1600	149.4000
AGD_1966_To_GDA_1994_3	1459	1.000	Australia - Tasmania	-43.8000	143.8300	-39.5700	148.9600
AGD_1966_To_GDA_1994_4	1460	1.000	Australia - New South Wales (NSW) and Victoria	-39.1500	140.9500	-28.1500	153.6200
AGD_1966_To_GDA_1994_8	1594	1.000	Australia - Tasmania	-43.8000	143.8300	-39.5700	148.9600
AGD_1966_To_GDA_1994_9	1595	1.000	Australia - Northern Territory (NT)	-26.0000	129.0000	-11.0200	138.0000
AGD_1966_To_GDA_1994_NTv2_Northern_Territory	1507	0.100	Australia - Northern Territory (NT)	-26.0000	129.0000	-11.0200	138.0000
AGD_1966_To_GDA_1994_NTv2_Tasmania	1506	0.100	Australia - Tasmania	-43.8000	143.8300	-39.5700	148.9600
AGD_1966_To_GDA_1994_NTv2_Victoria	1464	0.100	Australia - Victoria	-39.1500	140.9500	-34.0000	149.9800
AGD_1966_To_WGS_1984	1108	6.000	Australia - all states	-45.0000	108.0000	-10.0000	155.0000
AGD_1966_To_WGS_1984_12	1665	1.000	Australia - Australian Capital Territory (ACT)	-35.9200	148.7700	-35.1600	149.4000
AGD_1966_To_WGS_1984_13	1666	1.000	Australia - New South Wales (NSW) and Victoria	-39.1500	140.9500	-28.1500	153.6200
AGD_1966_To_WGS_1984_14	1667	1.000	Australia - Tasmania	-43.8000	143.8300	-39.5700	148.9600
AGD_1966_To_WGS_1984_15	1668	1.000	Australia - Northern Territory (NT)	-26.0000	129.0000	-11.0200	138.0000
AGD_1966_To_WGS_1984_16	15788	5.000	Australia - all states	-45.0000	108.0000	-10.0000	155.0000
AGD_1966_To_WGS_1984_17_NTv2	15786	1.000	Australia - all states	-45.0000	108.0000	-10.0000	155.0000
AGD_1966_To_WGS_1984_18	15980	3.000	Australia - offshore	-60.0400	110.7700	-8.8600	174.1000
AGD_1984_To_GDA_1994	1279	5.000	Australia - all states	-45.0000	108.0000	-10.0000	155.0000
AGD_1984_To_GDA_1994_2	1280	1.000	Australia - all states	-45.0000	108.0000	-10.0000	155.0000
AGD_1984_To_GDA_1994_3	1559	999.000	Australia - Western Australia	-35.1400	112.9100	-13.7300	129.0000
AGD_1984_To_GDA_1994_4_NTv2_Western_Australia	1593	0.100	Australia - Western Australia	-35.1400	112.9100	-13.7300	129.0000

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
AGD_1984_To_GDA_1994_5_NTv2	1804	0.100	Australia - AGD84	-39.0000	108.0000	-10.0000	155.0000
AGD_1984_To_GDA_1994_NTv2_Queensland	108453	999.000	Australia - Queensland	-29.5000	137.5000	-9.0000	154.0000
AGD_1984_To_WGS_1984_1	1109	4.000	Australia - all states	-45.0000	108.0000	-10.0000	155.0000
AGD_1984_To_WGS_1984_2	1236	5.000	Australia - all states	-45.0000	108.0000	-10.0000	155.0000
AGD_1984_To_WGS_1984_7	1669	1.000	Australia - all states	-45.0000	108.0000	-10.0000	155.0000
AGD_1984_To_WGS_1984_8	15789	5.000	Australia - all states	-45.0000	108.0000	-10.0000	155.0000
AGD_1984_To_WGS_1984_9_NTv2	15785	1.000	Australia - AGD84	-39.0000	108.0000	-10.0000	155.0000
Ain_El_Abd_To_WGS_1984_1	1110	44.000	Bahrain - onshore	25.5700	50.3000	27.1800	51.4100
Ain_El_Abd_To_WGS_1984_2	1111	18.000	Saudi Arabia	15.9000	34.2700	32.2600	55.7000
Ain_el_Abd_To_WGS_1984_3	1055	1.000	Kuwait - onshore	28.5600	46.5700	30.1000	48.4500
Ain_El_Abd_To_WGS_1984_4	1056	1.000	Kuwait - onshore	28.5600	46.5700	30.1000	48.4500
Ain_El_Abd_To_WGS_1984_5	1057	1.000	Kuwait - north of 29.25~N	29.1000	46.5700	30.1000	49.2400
Ain_El_Abd_To_WGS_1984_6	1058	1.000	Kuwait - south of 29.25~N	28.5600	46.5700	29.3300	48.4500
American_Samoa_1962_To_HARN_American_Samoa_East	1579	5.000	American Samoa - Ofu, Olosega and Ta'u islands	-14.3000	-169.7300	-14.1200	-169.3900
American_Samoa_1962_To_HARN_American_Samoa_West	1578	5.000	American Samoa - Tutuila and Aunu'u islands	-14.4300	-170.8700	-14.2000	-170.5100
American_Samoa_1962_To_WGS_1984	1577	44.000	American Samoa - 2 main island groups	-14.4300	-170.8700	-14.1200	-169.3900
American_Samoa_1962_To_WGS_1984_2	1694	5.000	American Samoa - Tutuila and Aunu'u islands	-14.4300	-170.8700	-14.2000	-170.5100
American_Samoa_1962_To_WGS_1984_3	1695	5.000	American Samoa - Ofu, Olosega and Ta'u islands	-14.3000	-169.7300	-14.1200	-169.3900
Amersfoort_To_ETRS_1989	1751	0.600	Netherlands - onshore	50.7500	3.2100	53.7100	7.2100
Amersfoort_To_ETRS_1989_3	15739	0.600	Netherlands - onshore	50.7500	3.2100	53.7100	7.2100
Amersfoort_To_ETRS_1989_4	15740	0.550	Netherlands - onshore	50.7500	3.2100	53.7100	7.2100
Amersfoort_To_ETRS_1989_5	4830	0.600	Netherlands - onshore	50.7500	3.2100	53.7100	7.2100
Amersfoort_To_ETRS_1989_6	4831	0.500	Netherlands - onshore	50.7500	3.2100	53.7100	7.2100
Amersfoort_To_ETRS_1989_MB	1066	0.600	Netherlands - onshore	50.7500	3.2100	53.7100	7.2100
Amersfoort_To_WGS_1984	1112	1.100	Netherlands - onshore	50.7500	3.2100	53.7100	7.2100
Amersfoort_To_WGS_1984_2	1672	1.100	Netherlands - onshore	50.7500	3.2100	53.7100	7.2100
Amersfoort_To_WGS_1984_2008_MB	108457	0.500	Netherlands - onshore	50.7500	3.2100	53.7100	7.2100
Amersfoort_To_WGS_1984_3	15934	1.050	Netherlands - onshore	50.7500	3.2100	53.7100	7.2100
Amersfoort_To_WGS_1984_4	4833	0.600	Netherlands - onshore	50.7500	3.2100	53.7100	7.2100
Amersfoort_To_WGS_1984_4X	108237	0.750	Netherlands - onshore	50.7500	3.2100	53.7100	7.2100
Ammassalik_1958_To_Greenland_1996_1	15900	1.000	Greenland - Ammassalik area	65.5200	-38.8600	65.9000	-36.8200
Ammassalik_1958_To_WGS_1984_1	1800	1.000	Greenland - Ammassalik area	65.5200	-38.8600	65.9000	-36.8200
Anguilla_1957_To_WGS_1984_1	1447	10.000	Anguilla - onshore	18.1200	-63.2200	18.3200	-62.9200
Anna_1_1965_To_WGS_1984	15794	44.000	Cocos (Keeling) Islands - onshore	-15.5400	93.5400	-5.8900	102.4300
Antigua_1943_To_WGS_1984	1441	10.000	Antigua - onshore	16.9400	-61.9400	17.2100	-61.6200
Antigua_1943_To_WGS_1984_NGA	15811	44.000	Antigua - onshore	16.9400	-61.9400	17.2100	-61.6200

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
Aratu_To_SIRGAS_2000_1	5050	0.500	Brazil - Santos and Pelotas	-35.7100	-53.3700	-22.6700	-40.2000
Aratu_To_SIRGAS_2000_2	5052	0.500	Brazil - Campos	-25.9100	-42.0300	-20.4500	-37.1100
Aratu_To_SIRGAS_2000_3	5054	0.500	Brazil - Espirito Santo and Mucuri	-22.0400	-40.3700	-17.5900	-35.1900
Aratu_To_SIRGAS_2000_4	5056	0.500	Brazil - Cumuruxatiba, Jequitinhonha and Camamu-Almada	-17.7000	-39.2100	-13.0200	-34.6100
Aratu_To_SIRGAS_2000_5	5058	0.500	Brazil - Reconcavo and Jacuipe	-13.5700	-39.0800	-11.1900	-35.3100
Aratu_To_SIRGAS_2000_6	5060	0.500	Brazil - Tucano and Jatoba	-12.2600	-39.1300	-8.4000	-37.0900
Aratu_To_SIRGAS_2000_7	5062	0.500	Brazil - Sergipe and Alagoas	-13.5700	-37.3300	-8.7300	-32.0200
Aratu_To_SIRGAS_2000_8	5064	0.500	Brazil - Paraiba-Pernambuco	-10.1600	-35.0900	-4.6100	-29.1400
Aratu_To_SIRGAS_2000_9	5066	0.500	Brazil - Potiguar, Ceara and Barreirinhas	-6.5000	-44.7900	4.2500	-26.0100
Aratu_To_WGS_1984_1	15754	999.000	Brazil - Campos; Espirito Santo and Santos basins	-28.4000	-48.7900	-17.5900	-35.1900
Aratu_To_WGS_1984_10	15710	5.000	Brazil - Campos	-25.9100	-42.0300	-20.4500	-37.1100
Aratu_To_WGS_1984_11	15711	5.000	Brazil - Santos	-28.4000	-48.7900	-22.6700	-40.2000
Aratu_To_WGS_1984_12	15712	5.000	Brazil - Espirito Santo and Mucuri	-22.0400	-40.3700	-17.5900	-35.1900
Aratu_To_WGS_1984_13	5051	1.000	Brazil - Santos and Pelotas	-35.7100	-53.3700	-22.6700	-40.2000
Aratu_To_WGS_1984_14	5053	1.000	Brazil - Campos	-25.9100	-42.0300	-20.4500	-37.1100
Aratu_To_WGS_1984_15	5055	1.000	Brazil - Espirito Santo and Mucuri	-22.0400	-40.3700	-17.5900	-35.1900
Aratu_To_WGS_1984_16	5057	1.000	Brazil - Cumuruxatiba, Jequitinhonha and Camamu-Almada	-17.7000	-39.2100	-13.0200	-34.6100
Aratu_To_WGS_1984_17	5059	1.000	Brazil - Reconcavo and Jacuipe	-13.5700	-39.0800	-11.1900	-35.3100
Aratu_To_WGS_1984_18	5061	1.000	Brazil - Tucano and Jatoba	-12.2600	-39.1300	-8.4000	-37.0900
Aratu_To_WGS_1984_19	5063	1.000	Brazil - Sergipe and Alagoas	-13.5700	-37.3300	-8.7300	-32.0200
Aratu_To_WGS_1984_2	1550	5.000	Brazil - Tucano basin north	-9.8000	-39.0300	-8.4000	-37.0900
Aratu_To_WGS_1984_20	5065	1.000	Brazil - Paraiba-Pernambuco	-10.1600	-35.0900	-4.6100	-29.1400
Aratu_To_WGS_1984_21	5067	1.000	Brazil - Potiguar, Ceara and Barreirinhas	-6.5000	-44.7900	4.2500	-26.0100
Aratu_To_WGS_1984_3	1551	5.000	Brazil - Tucano basin central	-10.6000	-39.1300	-9.8000	-38.0000
Aratu_To_WGS_1984_4	1552	5.000	Brazil - Tucano basin south	-12.2600	-39.0700	-10.6000	-37.9900
Aratu_To_WGS_1984_5	10089	7.000	Brazil - Santos	-28.4000	-48.7900	-22.6700	-40.2000
Aratu_To_WGS_1984_6	10090	7.000	Brazil - Campos	-25.9100	-42.0300	-20.4500	-37.1100
Aratu_To_WGS_1984_7	10091	7.000	Brazil - Espirito Santo and Mucuri	-22.0400	-40.3700	-17.5900	-35.1900
Aratu_To_WGS_1984_8	10092	7.000	Brazil - Pelotas	-35.7100	-53.3700	-28.1200	-44.7100
Aratu_To_WGS_1984_9	10093	15.000	Brazil - offshore 18~S to 34~S	-34.0000	-53.3700	-18.0000	-35.2000

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
Arc_1950_To_WGS_1984_1	1113	44.000	Africa - Botswana, Lesotho, Malawi, Swaziland, Zambia, Zimbabwe	-30.6500	20.0000	-8.2000	35.9200
Arc_1950_To_WGS_1984_2	1114	7.000	Botswana	-26.8800	20.0000	-17.7800	29.3700
Arc_1950_To_WGS_1984_3	1115	35.000	Burundi	-4.4600	29.0000	-2.3000	30.8700
Arc_1950_To_WGS_1984_4	1116	10.000	Lesotho	-30.6800	27.0300	-28.5900	29.4700
Arc_1950_To_WGS_1984_5	1117	27.000	Malawi	-17.1500	32.7000	-9.3800	35.9500
Arc_1950_To_WGS_1984_6	1118	26.000	Swaziland	-27.3100	30.8200	-25.7400	32.1500
Arc_1950_To_WGS_1984_7	1119	25.000	Congo DR (Zaire)	-13.4600	12.2100	5.3800	31.3000
Arc_1950_To_WGS_1984_8	1120	41.000	Zambia	-18.0900	22.0100	-8.2000	33.7200
Arc_1950_To_WGS_1984_9	1121	15.000	Zimbabwe	-22.4300	25.2500	-15.6300	33.0900
Arc_1960_To_WGS_1984	1122	35.000	Africa - Kenya and Tanzania	-11.7400	29.3400	4.6200	41.9100
Arc_1960_To_WGS_1984_2	1284	6.000	Kenya	-4.9000	33.9300	5.0300	45.1700
Arc_1960_To_WGS_1984_3	1285	15.000	Tanzania	-11.7500	29.3600	-1.0000	43.5100
Arc_1960_To_WGS_1984_4	3998	35.000	Burundi	-4.4600	29.0000	-2.3000	30.8700
Ascension_Island_1958_To_WGS_1984	15797	44.000	St Helena - Ascension Island	-7.9900	-14.4200	-7.8800	-14.2900
Astro_1952_To_WGS_1984	15799	44.000	Japan - Minamitori-shima (Marcus Island)	24.2600	153.9500	24.3200	154.0100
ATS_1977_To_NAD_1983_CSRS_2_NTv2_Prince_Edward_Is	1846	1.500	Canada - Saskatchewan	49.0000	-110.0000	60.0000	-101.3500
ATS_1977_To_NAD_1983_CSRS_NTv2_Maritimes	108302	999.000	Canada - Maritime Provinces	43.4200	-69.0500	48.0700	-59.7400
ATS_1977_To_NAD_1983_CSRS_NTv2_New_Brunswick	1841	1.500	Canada - New Brunswick	44.5700	-69.0500	48.0700	-63.7000
ATS_1977_To_NAD_1983_CSRS_NTv2_Nova_Scotia	1850	1.500	Canada - Nova Scotia	43.4200	-66.2700	47.0800	-59.7400
ATS_1977_To_WGS_1984_1	1688	1.000	Canada - New Brunswick	44.5700	-69.0500	48.0700	-63.7000
ATS_1977_To_WGS_1984_2	1689	1.000	Canada - Prince Edward Island	45.9100	-64.4900	47.0900	-61.9000
ATS_1977_To_WGS_1984_3	1851	1.000	Canada - Nova Scotia	43.4200	-66.2700	47.0800	-59.7400
Australian_Antarctic_1998_To_WGS_1984_1	1890	1.000	Antarctica - Australian sector	-90.0000	45.0000	-60.0000	160.0000
Ayabelle_To_WGS_1984	15800	44.000	Djibouti	10.9400	41.7800	12.8300	44.0500
Azores_Central_1948_To_WGS_1984_1	1886	6.000	Portugal - Azores C - onshore	38.3200	-28.9000	39.1400	-26.9700
Azores_Central_1995_To_PTRA08_1	5027	2.000	Portugal - Azores C - onshore	38.3200	-28.9000	39.1400	-26.9700
Azores_Central_1995_To_PTRA08_2	5028	0.500	Portugal - Azores C - Faial onshore	38.4600	-28.9000	38.6900	-28.5500
Azores_Central_1995_To_PTRA08_3	5029	0.200	Portugal - Azores C - Graciosa onshore	38.9700	-28.1200	39.1400	-27.8900
Azores_Central_1995_To_PTRA08_4	5030	1.000	Portugal - Azores C - Pico onshore	38.3200	-28.6100	38.6100	-27.9900
Azores_Central_1995_To_PTRA08_5	5031	0.800	Portugal - Azores C - S Jorge onshore	38.4900	-28.3700	38.8000	-27.7100
Azores_Central_1995_To_PTRA08_6	5032	0.600	Portugal - Azores C - Terceira onshore	38.5800	-27.4400	38.8500	-26.9700
Azores_Central_1995_To_WGS_1984_10	1980	5.000	Portugal - Azores C - onshore	38.3200	-28.9000	39.1400	-26.9700
Azores_Central_1995_To_WGS_1984_11	1981	1.000	Portugal - Azores C - onshore	38.3200	-28.9000	39.1400	-26.9700

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
Azores_Central_1995_To_WGS_1984_2	1972	5.000	Portugal - Azores C - Terceira onshore	38.5800	-27.4400	38.8500	-26.9700
Azores_Central_1995_To_WGS_1984_3	1973	1.000	Portugal - Azores C - Terceira onshore	38.5800	-27.4400	38.8500	-26.9700
Azores_Central_1995_To_WGS_1984_4	1974	5.000	Portugal - Azores C - Faial onshore	38.4600	-28.9000	38.6900	-28.5500
Azores_Central_1995_To_WGS_1984_5	1975	1.000	Portugal - Azores C - Faial onshore	38.4600	-28.9000	38.6900	-28.5500
Azores_Central_1995_To_WGS_1984_6	1976	5.000	Portugal - Azores C - Pico onshore	38.3200	-28.6100	38.6100	-27.9900
Azores_Central_1995_To_WGS_1984_7	1977	1.000	Portugal - Azores C - Pico onshore	38.3200	-28.6100	38.6100	-27.9900
Azores_Central_1995_To_WGS_1984_8	1978	5.000	Portugal - Azores C - S Jorge onshore	38.4900	-28.3700	38.8000	-27.7100
Azores_Central_1995_To_WGS_1984_9	1979	1.000	Portugal - Azores C - S Jorge onshore	38.4900	-28.3700	38.8000	-27.7100
Azores_Occidental_1939_To_PTROA08_1	5033	0.500	Portugal - Azores W - onshore	39.3000	-31.3400	39.7600	-31.0200
Azores_Occidental_1939_To_PTROA08_2	5034	0.200	Portugal - Azores W - Flores onshore	39.3000	-31.3400	39.5700	-31.0800
Azores_Occidental_1939_To_PTROA08_3	5035	0.300	Portugal - Azores W - Corvo onshore	39.6400	-31.1700	39.7600	-31.0200
Azores_Occidental_1939_To_WGS_1984_1	1887	35.000	Portugal - Azores W - onshore	39.3000	-31.3400	39.7600	-31.0200
Azores_Occidental_1939_To_WGS_1984_2	1982	5.000	Portugal - Azores W - onshore	39.3000	-31.3400	39.7600	-31.0200
Azores_Oriental_1940_To_WGS_1984_1	1885	44.000	Portugal - Azores E - onshore	36.8800	-25.9100	37.9600	-24.9600
Azores_Oriental_1995_To_PTROA08_1	5024	2.000	Portugal - Azores E - onshore	36.8800	-25.9100	37.9600	-24.9600
Azores_Oriental_1995_To_PTROA08_2	5025	0.300	Portugal - Azores E - S Miguel onshore	37.6600	-25.9100	37.9600	-25.0800
Azores_Oriental_1995_To_PTROA08_3	5026	0.100	Portugal - Azores E - Santa Maria onshore	36.8800	-25.2500	37.0700	-24.9600
Azores_Oriental_1995_To_WGS_1984_2	1968	5.000	Portugal - Azores E - S Miguel onshore	37.6600	-25.9100	37.9600	-25.0800
Azores_Oriental_1995_To_WGS_1984_3	1969	1.000	Portugal - Azores E - S Miguel onshore	37.6600	-25.9100	37.9600	-25.0800
Azores_Oriental_1995_To_WGS_1984_4	1970	5.000	Portugal - Azores E - onshore	36.8800	-25.9100	37.9600	-24.9600
Azores_Oriental_1995_To_WGS_1984_5	1971	1.000	Portugal - Azores E - onshore	36.8800	-25.9100	37.9600	-24.9600
Bab_South_To_NAD_1983	108134	999.000	Palau	0.0000	130.6600	10.9100	146.4200
Barbados_1938_To_WGS_1984_1	15793	3.000	Barbados - onshore	13.0000	-59.7100	13.3900	-59.3800
Batavia_Jakarta_To_Batavia	1759	0.000	Indonesia - Java	-8.7800	105.1100	-5.7300	115.5700
Batavia_Jakarta_To_WGS_1984	8178	6.000	Indonesia - Sumatra	-6.5000	95.0000	6.0000	108.5500
Batavia_To_WGS_1984	1123	6.000	Indonesia - Sumatra	-6.5000	95.0000	6.0000	108.5500
Batavia_To_WGS_1984_2	1813	5.000	Indonesia - Java Sea - offshore	-6.0000	106.0000	-2.7500	110.0000

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
			northwest Java				
Batavia_To_WGS_1984_3	1814	5.000	Indonesia - Java Sea - east	-7.0000	112.0000	-4.0000	118.5000
Beacon_E_1945_To_WGS_1984	15796	44.000	Japan - Iwo Jima	24.7400	141.2800	24.8200	141.3600
Beduaram_To_WGS_1972_BE_1	1839	15.000	Niger - southeast	12.6000	8.0000	16.5000	15.5000
Beduaram_To_WGS_1984_2	15849	15.000	Niger - southeast	12.6000	8.0000	16.5000	15.5000
Beijing_1954_To_WGS_1984_1	15918	1.000	China - Ordos - 108~E to 108.5~E and 37.75~N to 38.25~N	37.7500	108.0000	38.2500	108.5000
Beijing_1954_To_WGS_1984_2	15919	15.000	China - offshore - Yellow Sea	31.4000	119.2000	37.0000	124.2000
Beijing_1954_To_WGS_1984_3	15920	15.000	China - offshore - Pearl River basin	19.5000	111.0000	22.0000	117.0000
Beijing_1954_To_WGS_1984_4	15921	1.000	China - Tarim - 77.5~E to 88~E and 37~N to 42~N	37.0000	77.5000	42.0000	88.0000
Beijing_1954_To_WGS_1984_5	15935	10.000	China - offshore - Bei Bu	19.0000	108.0000	21.4000	109.6000
Beijing_1954_To_WGS_1984_6	15936	1.000	China - Ordos - 108~E to 108.5~E and 37.75~N to 38.25~N	37.7500	108.0000	38.2500	108.5000
Belge_1950_Brussels_To_Belge_1950	1264	0.000	Belgium - onshore	49.5100	2.5100	51.5000	6.4000
Belge_1972_To_ETRS_1989_1	1652	1.000	Belgium - onshore	49.5100	2.5100	51.5000	6.4000
Belge_1972_To_ETRS_1989_2	15928	0.200	Belgium - onshore	49.5100	2.5100	51.5000	6.4000
Belge_1972_To_WGS_1984_1	1609	1.000	Belgium - onshore	49.5100	2.5100	51.5000	6.4000
Belge_1972_To_WGS_1984_2	1610	5.000	Belgium - onshore	49.5100	2.5100	51.5000	6.4000
Belge_1972_To_WGS_1984_3	15929	0.200	Belgium - onshore	49.5100	2.5100	51.5000	6.4000
Bellevue_IGN_To_WGS_1984	15801	35.000	Vanuatu - southern islands	-19.7000	168.1000	-17.4000	169.6400
Bermuda_1957_To_Bermuda_2000_1	15969	1.000	Bermuda - onshore	32.2100	-64.8800	32.4300	-64.6200
Bermuda_1957_To_WGS_1984	1124	35.000	Bermuda - onshore	32.2100	-64.8800	32.4300	-64.6200
Bermuda_1957_To_WGS_1984_2	15970	1.000	Bermuda - onshore	32.2100	-64.8800	32.4300	-64.6200
Bermuda_2000_To_WGS_1984_1	15971	1.000	Bermuda	28.9100	-68.8300	35.7200	-60.7100
Bern_1898_Bern_To_CH1903	1765	0.000	Europe - Liechtenstein and Switzerland	45.8300	5.9700	47.8100	10.4900
Bissau_To_WGS_1984	1547	25.000	Guinea-Bissau - onshore	10.8900	-16.7300	12.6900	-13.6500
Bogota_Bogota_To_Bogota	1755	0.000	Colombia - mainland	-4.2400	-79.1000	12.5100	-66.8700
Bogota_Bogota_To_WGS_1984	8174	10.000	Colombia - mainland	-4.2400	-79.1000	12.5100	-66.8700
Bogota_To_MAGNA_Region_1_CF	15714	1.000	Colombia region 1	9.8000	-73.0000	12.5100	-71.0600
Bogota_To_MAGNA_Region_1_MB	15730	1.000	Colombia region 1	9.8000	-73.0000	12.5100	-71.0600
Bogota_To_MAGNA_Region_2_CF	15716	1.000	Colombia region 2	9.4000	-76.0800	11.5900	-73.0000
Bogota_To_MAGNA_Region_2_MB	15731	1.000	Colombia region 2	9.4000	-76.0800	11.5900	-73.0000
Bogota_To_MAGNA_Region_3_CF	15718	1.000	Colombia region 3	8.0000	-77.4800	9.4000	-74.4000
Bogota_To_MAGNA_Region_3_MB	15732	1.000	Colombia region 3	8.0000	-77.4800	9.4000	-74.4000
Bogota_To_MAGNA_Region_4_CF	15720	1.000	Colombia region 4	5.0000	-74.4000	9.4000	-72.0000
Bogota_To_MAGNA_Region_4_MB	15733	1.000	Colombia region 4	5.0000	-74.4000	9.4000	-72.0000
Bogota_To_MAGNA_Region_5_CF	15722	1.000	Colombia region 5	5.0000	-77.9100	8.0000	-74.4000

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
Bogota_To_MAGNA_Region_5_MB	15734	1.000	Colombia region 5	5.0000	-77.9100	8.0000	-74.4000
Bogota_To_MAGNA_Region_6_CF	15724	1.000	Colombia region 6	3.0000	-77.6700	5.0000	-74.4000
Bogota_To_MAGNA_Region_6_MB	15735	1.000	Colombia region 6	3.0000	-77.6700	5.0000	-74.4000
Bogota_To_MAGNA_Region_7_CF	15726	1.000	Colombia region 7	-1.1200	-79.1000	3.0000	-74.0000
Bogota_To_MAGNA_Region_7_MB	15736	1.000	Colombia region 7	-1.1200	-79.1000	3.0000	-74.0000
Bogota_To_MAGNA_Region_8_CF	15728	1.000	Colombia region 8	-4.2400	-74.4000	7.1000	-66.8700
Bogota_To_MAGNA_Region_8_MB	15737	1.000	Colombia region 8	-4.2400	-74.4000	7.1000	-66.8700
Bogota_To_WGS_1984	1125	10.000	Colombia - mainland and offshore Caribbean	-4.2400	-79.1000	13.6700	-66.8700
Bogota_To_WGS_1984_2	1597	0.200	Colombia - Cusiana	4.7500	-73.0000	5.6700	-72.2500
Bogota_To_WGS_1984_Region_1_CF	15715	1.000	Colombia region 1	9.8000	-73.0000	12.5100	-71.0600
Bogota_To_WGS_1984_Region_2_CF	15717	1.000	Colombia region 2	9.4000	-76.0800	11.5900	-73.0000
Bogota_To_WGS_1984_Region_3_CF	15719	1.000	Colombia region 3	8.0000	-77.4800	9.4000	-74.4000
Bogota_To_WGS_1984_Region_4_CF	15721	1.000	Colombia region 4	5.0000	-74.4000	9.4000	-72.0000
Bogota_To_WGS_1984_Region_5_CF	15723	1.000	Colombia region 5	5.0000	-77.9100	8.0000	-74.4000
Bogota_To_WGS_1984_Region_6_CF	15725	1.000	Colombia region 6	3.0000	-77.6700	5.0000	-74.4000
Bogota_To_WGS_1984_Region_7_CF	15727	1.000	Colombia region 7	-1.1200	-79.1000	3.0000	-74.0000
Bogota_To_WGS_1984_Region_8_CF	15729	1.000	Colombia region 8	-4.2400	-74.4000	7.1000	-66.8700
Bukit_Rimpah_To_WGS_1984	1126	999.000	Indonesia - Banga & Belitung Islands	-3.2500	105.1200	-1.4900	108.2900
Cadastre_1997_To_RGM_2004_1	4478	0.100	Mayotte - onshore	-13.0000	44.9700	-12.6000	45.3200
Cadastre_1997_To_WGS_1984_1	4290	1.000	Mayotte - onshore	-13.0000	44.9700	-12.6000	45.3200
Camacupa_To_WGS_1972_BE_1	1317	10.000	Angola - Angola proper - offshore	-17.1700	10.0000	-6.0300	13.8600
Camacupa_To_WGS_1984_1	1318	10.000	Angola - offshore block 5	-8.5800	12.5800	-7.7500	13.4000
Camacupa_To_WGS_1984_10	1327	5.000	Angola - offshore blocks 2 3 17-18 and 31-33	-8.5800	10.4700	-6.0300	12.8400
Camacupa_To_WGS_1984_2	1319	25.000	Angola - offshore block 2	-7.0000	12.0800	-6.0300	12.8400
Camacupa_To_WGS_1984_3	1320	10.000	Angola - offshore blocks 1 and 16	-7.2500	11.0800	-6.0300	12.0800
Camacupa_To_WGS_1984_4	1321	10.000	Angola - offshore blocks 7 8 24 + WGC spec	-17.1700	10.0000	-6.0300	13.8600
Camacupa_To_WGS_1984_5	1322	3.000	Angola - offshore block 3	-7.3300	11.7500	-6.6700	12.5000
Camacupa_To_WGS_1984_6	1323	8.000	Angola - offshore block 7	-10.0800	12.6700	-9.4200	13.4000
Camacupa_To_WGS_1984_7	1324	3.000	Angola - offshore blocks 3 7 15 and 17	-6.5800	10.8300	-6.0300	11.6700
Camacupa_To_WGS_1984_8	1325	3.000	Angola - offshore block 2	-7.0000	12.0800	-6.0300	12.8400
Camacupa_To_WGS_1984_9	1326	10.000	Angola - offshore blocks 1 16 and 18	-8.3300	11.0800	-6.0300	12.7500
Camp_Area_To_WGS_1984	15802	999.000	Antarctica - Camp McMurdo area	-78.0000	165.5000	-77.0000	167.0000

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
Campo_Inchauspe_To_POSGAR_1994_1	15782	5.000	Argentina	-58.4000	-73.5800	-21.7800	-52.6300
Campo_Inchauspe_To_WGS_1984	1127	9.000	Argentina	-58.4000	-73.5800	-21.7800	-52.6300
Campo_Inchauspe_To_WGS_1984_2	1527	0.500	Argentina - Neuquen province Chos Malal area	-37.5000	-70.5000	-36.1500	-70.0300
Canton_1966_To_WGS_1984	15803	26.000	Kiribati - Phoenix Islands	-4.6400	-174.2000	-2.7200	-171.3000
Cape_Canaveral_To_WGS_1984	15804	6.000	North America - Bahamas and USA - Florida - onshore	20.8700	-82.3300	30.8300	-72.6900
Cape_To_Hartebeesthoek94	1504	15.000	South Africa	-50.3400	14.0300	-22.1400	41.1600
Cape_To_WGS_1984_1	1128	9.000	South Africa	-50.3400	14.0300	-22.1400	41.1600
Cape_To_WGS_1984_2	1129	15.000	South Africa	-50.3400	14.0300	-22.1400	41.1600
Carthage_Grad_To_Carthage	108338	1.000	Tunisia - offshore	33.1300	8.6200	38.4300	13.7400
Carthage_Paris_To_Carthage	1881	0.000	Tunisia - onshore	30.2500	7.5000	37.3500	11.6300
Carthage_To_WGS_1984	1130	14.000	Tunisia	30.2500	7.5000	38.4300	13.7400
Carthage_To_WGS_1984_2	1538	1.000	Tunisia - offshore	33.1300	8.6200	38.4300	13.7400
CGRS_1993_To_ETRS_1989	108128	0.500	Cyprus - onshore	34.5900	32.2100	35.7400	34.6500
CGRS_1993_To_WGS_1984	108129	1.000	Cyprus - onshore	34.5900	32.2100	35.7400	34.6500
CH1903+_To_CHTRF_1995	1509	0.100	Europe - Liechtenstein and Switzerland	45.8300	5.9700	47.8100	10.4900
CH1903+_To_ETRS_1989_1	1647	0.100	Europe - Liechtenstein and Switzerland	45.8300	5.9700	47.8100	10.4900
CH1903+_To_WGS_1984_1	1676	1.000	Europe - Liechtenstein and Switzerland	45.8300	5.9700	47.8100	10.4900
CH1903_To_CH1903+_1_NTV2	15486	0.200	Europe - Liechtenstein and Switzerland	45.8300	5.9700	47.8100	10.4900
CH1903_To_ETRS_1989_1	1646	1.500	Europe - Liechtenstein and Switzerland	45.8300	5.9700	47.8100	10.4900
CH1903_To_WGS_1984_1	1753	1.000	Europe - Liechtenstein and Switzerland	45.8300	5.9700	47.8100	10.4900
CH1903_To_WGS_1984_2	1766	999.000	Europe - Liechtenstein and Switzerland	45.8300	5.9700	47.8100	10.4900
Chatham_Island_1971_To_WGS_1984	1080	26.000	New Zealand - Chatham Islands group	-45.0000	-178.0000	-43.0000	-175.0000
Chatham_Islands_1979_To_NZGD_2000_1	1082	2.000	New Zealand - Chatham Islands group	-45.0000	-178.0000	-43.0000	-175.0000
Chatham_Islands_1979_To_WGS_1984_1	1081	2.000	New Zealand - Chatham Islands group	-45.0000	-178.0000	-43.0000	-175.0000
Chos_Malal_1914_To_Campo_Inchauspe	1528	10.000	Argentina - Neuquen province Chos Malal area	-37.5000	-70.5000	-36.1500	-70.0300
Chos_Malal_1914_To_WGS_1984	8517	10.500	Argentina - Neuquen province Chos Malal area	-37.5000	-70.5000	-36.1500	-70.0300
CHTRF_1995_To_WGS_1984	1511	1.000	Europe - Liechtenstein and Switzerland	45.8300	5.9700	47.8100	10.4900

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Chua_To_SIRGAS_2000_1	4069	5.000	Brazil - Distrito Federal	-15.9400	-48.0900	-15.3800	-47.1000
Chua_To_WGS_1984	1131	12.000	Paraguay - north of 22~S	-22.0000	-62.5600	-19.3000	-57.8100
Chua_To_WGS_1984_2	3972	5.000	Brazil - Distrito Federal	-15.9400	-48.0900	-15.3800	-47.1000
Chua_To_WGS_1984_3	4834	5.000	Brazil - Distrito Federal	-15.9400	-48.0900	-15.3800	-47.1000
Combani_1950_To_WGS_1984_1	1916	10.000	Mayotte	-14.3700	44.1300	-11.3200	45.7700
Conakry_1905_To_WGS_1984	1517	30.000	Guinea - onshore	7.1600	-15.1200	12.6900	-7.6500
Corrego_Alegre_1961_To_SIRGAS_2000_1	5525	2.000	Brazil - Corrego Alegre 1961	-27.5000	-58.1600	-15.0000	-38.8200
Corrego_Alegre_1961_To_WGS_1984_1	5540	2.000	Brazil - Corrego Alegre 1961	-27.5000	-58.1600	-15.0000	-38.8200
Corrego_Alegre_To_SIRGAS_2000_1	5526	2.000	Brazil - Corrego Alegre 1970-1972	-33.7800	-58.1600	-2.6800	-34.7400
Corrego_Alegre_To_WGS_1984	1132	8.000	Brazil - Corrego Alegre 1970-1972	-33.7800	-58.1600	-2.6800	-34.7400
Corrego_Alegre_To_WGS_1984_2	5541	2.000	Brazil - Corrego Alegre 1970-1972	-33.7800	-58.1600	-2.6800	-34.7400
CR05_To_Ocotepeque_1935_MB	108013	0.500	Costa Rica	2.1500	-90.4400	11.7700	-81.4300
CR05_To_WGS_1984_1	5376	1.000	Costa Rica	2.1500	-90.4400	11.7700	-81.4300
CSG_1967_To_RGFG_1995_1	1908	1.000	French Guiana - coastal area	3.4300	-54.4500	5.8100	-51.6200
CSG_1967_To_WGS_1984_1	1906	10.000	French Guiana - coastal area	3.4300	-54.4500	5.8100	-51.6200
D48_To_ETRS_1989	108276	1.000	Slovenia	45.4300	13.3800	46.8800	16.6100
D48_To_ETRS_1989_2007	108308	1.000	Slovenia	45.4300	13.3800	46.8800	16.6100
D48_To_ETRS_1989_Dolenjska	108322	0.300	Slovenia - Dolenjska	45.7000	14.4700	46.1200	15.7200
D48_To_ETRS_1989_Gorenjska	108318	0.300	Slovenia - Gorenjska and N Primorsko	46.0500	13.3800	46.5300	14.8100
D48_To_ETRS_1989_Jugovzhodna_Slovenia	108314	0.500	Slovenia - SE	45.4300	14.5500	46.4100	15.7200
D48_To_ETRS_1989_Juzna_Slovenia	108324	0.300	Slovenia - southeastern	45.4300	14.5400	45.7600	15.3600
D48_To_ETRS_1989_Osrednja_Slovenia	108320	0.300	Slovenia - central	45.9100	14.2200	46.3100	15.2800
D48_To_ETRS_1989_Pomurje	108328	0.300	Slovenia - Pomurje	46.4700	15.9700	46.8800	16.6100
D48_To_ETRS_1989_Primorska	108326	0.300	Slovenia - Primorska and Notranjska onshore	45.4400	13.4800	46.0800	14.5700
D48_To_ETRS_1989_Severovzhodna_Slovenia	108312	0.500	Slovenia - NE	46.1500	14.5500	46.8800	16.6100
D48_To_ETRS_1989_Stajerska	108316	0.300	Slovenia - Stajerska	46.1100	14.7400	46.7500	16.2700
D48_To_ETRS_1989_Zahodna_Slovenia	108310	0.500	Slovenia - west of 14~30'E onshore	45.4400	13.3800	46.5300	14.5700
D48_To_WGS_1984	108277	1.000	Slovenia	45.4300	13.3800	46.8800	16.6100
D48_To_WGS_1984_2007	108309	1.000	Slovenia	45.4300	13.3800	46.8800	16.6100
D48_To_WGS_1984_Dolenjska	108323	0.300	Slovenia - Dolenjska	45.7000	14.4700	46.1200	15.7200
D48_To_WGS_1984_Gorenjska	108319	0.300	Slovenia - Gorenjska and N Primorsko	46.0500	13.3800	46.5300	14.8100
D48_To_WGS_1984_Jugovzhodna_Slovenia	108315	0.500	Slovenia - SE	45.4300	14.5500	46.4100	15.7200
D48_To_WGS_1984_Juzna_Slovenia	108325	0.300	Slovenia - southeastern	45.4300	14.5400	45.7600	15.3600

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
D48_To_WGS_1984_Osrednja_Slovenia	108321	0.300	Slovenia - central	45.9100	14.2200	46.3100	15.2800
D48_To_WGS_1984_Pomurje	108329	0.300	Slovenia - Pomurje	46.4700	15.9700	46.8800	16.6100
D48_To_WGS_1984_Primorska	108327	0.300	Slovenia - Primorska and Notranjska onshore	45.4400	13.4800	46.0800	14.5700
D48_To_WGS_1984_Severovzhodna_Slovenia	108313	0.500	Slovenia - NE	46.1500	14.5500	46.8800	16.6100
D48_To_WGS_1984_Stajerska	108317	0.300	Slovenia - Stajerska	46.1100	14.7400	46.7500	16.2700
D48_To_WGS_1984_Zahodna_Slovenia	108311	0.500	Slovenia - west of 14~30'E onshore	45.4400	13.3800	46.5300	14.5700
Dabola_To_WGS_1984	1518	25.000	Guinea - onshore	7.1600	-15.1200	12.6900	-7.6500
Datum_73_To_ETRS_1989_1	1657	2.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_73_To_ETRS_1989_2009_3par	5036	0.900	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_73_To_ETRS_1989_2009_7par	5037	0.400	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_73_To_ETRS_1989_3	1992	1.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_73_To_WGS_1984_1	108110	5.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_73_To_WGS_1984_1_Prt2000	1658	2.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_73_To_WGS_1984_2	108120	1.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_73_To_WGS_1984_2009_3par	108155	0.900	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_73_To_WGS_1984_2009_7par	108153	0.400	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_73_To_WGS_1984_3	1983	5.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_73_To_WGS_1984_4	1987	1.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_Lisboa_Bessel_To_WGS_1984_1	108113	5.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_Lisboa_Bessel_To_WGS_1984_2	108123	1.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_Lisboa_Hayford_To_Datum_73_1	108222	5.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_Lisboa_Hayford_To_Datum_73_2	108223	5.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_Lisboa_Hayford_To_Datum_Lisboa_Bessel_1	108224	5.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_Lisboa_Hayford_To_Datum_Lisboa_Bessel_2	108225	5.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_Lisboa_Hayford_To_ETRS_1989_2009_3par	108158	1.700	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_Lisboa_Hayford_To_ETRS_1989_2009_7par	108156	1.500	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_Lisboa_Hayford_To_WGS_1984_1	108114	5.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_Lisboa_Hayford_To_WGS_1984_2	108124	2.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_Lisboa_Hayford_To_WGS_1984_2009_3par	108159	1.700	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Datum_Lisboa_Hayford_To_WGS_1984_2009_7par	108157	1.500	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Dealul_Piscului_1933_To_WGS_1984_1	1995	10.000	Romania - onshore	43.6200	20.2600	48.2600	29.7300
Dealul_Piscului_1970_To_WGS_1984_1	1996	10.000	Romania	43.4500	20.2600	48.2600	31.4100
Dealul_Piscului_1970_To_WGS_1984_2	1097	7.000	Romania	43.4500	20.2600	48.2600	31.4100
Deception_Island_To_WGS_1984	15812	35.000	Antarctica - Antarctic Peninsula and Deception Island	-64.1000	-61.0000	-62.8600	-60.1800
Deir_ez_Zor_To_WGS_1972_BE	1584	5.000	Syria - Deir area	35.2500	40.0000	35.5000	40.5000
Deir_ez_Zor_To_WGS_1984_2	15741	5.000	Syria - Deir area	35.2500	40.0000	35.5000	40.5000
Deir_ez_Zor_To_WGS_1984_3	1586	999.000	Syria - Al Whaleed area	35.5000	39.9000	35.7000	40.1500
Deir_ez_Zor_To_WGS_1984_4	1587	1.000	Syria - Shaddadeh area	35.8000	40.5000	36.5000	41.5000

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
Deir_ez_Zor_To_WGS_1984_5	15742	5.000	Syria - onshore	32.3300	35.7000	37.3400	42.4000
Deir_ez_Zor_To_WGS_1984_6	15743	0.500	Syria - Deir area	35.2500	40.0000	35.5000	40.5000
DGN_1995_To_WGS_1984_1	15912	1.000	Indonesia	-13.0100	91.6600	7.9200	141.1000
DHDN_To_ETRF_1989	108192	5.000	Germany - West Germany all states	47.2700	5.8700	55.0900	13.8300
DHDN_To_ETRS_1989	1309	5.000	Germany - West Germany all states	47.2700	5.8700	55.0900	13.8300
DHDN_To_ETRS_1989_2	1776	3.000	Germany - West Germany all states	47.2700	5.8700	55.0900	13.8300
DHDN_To_ETRS_1989_3	1778	0.100	Germany - West Germany S	47.2700	6.1100	50.3300	13.8300
DHDN_To_ETRS_1989_4	1779	0.100	Germany - West Germany C	50.3300	5.8700	52.3300	12.0300
DHDN_To_ETRS_1989_5	1780	0.100	Germany - West Germany N	52.3300	6.6200	55.0900	11.5800
DHDN_To_ETRS_1989_6	1781	0.100	Germany - Thuringen	50.2000	9.9200	51.6400	12.5600
DHDN_To_ETRS_1989_7	1782	0.100	Germany - Sachsen	50.2100	11.9000	51.6600	15.0300
DHDN_To_ETRS_1989_8_NTv2	15948	1.000	Germany - onshore	47.2700	5.8700	55.0900	15.0300
DHDN_To_WGS_1984_1	1673	5.000	Germany - West Germany all states	47.2700	5.8700	55.0900	13.8300
DHDN_To_WGS_1984_2	1777	3.000	Germany - West Germany all states	47.2700	5.8700	55.0900	13.8300
DHDN_To_WGS_1984_3	15869	2.000	Germany - East Germany all states	50.2000	9.9200	54.7300	15.0300
DHDN_To_WGS_1984_3x	108206	0.100	Germany - West Germany S	47.2700	6.1100	50.3300	13.8300
DHDN_To_WGS_1984_4_NTv2	15949	1.000	Germany - onshore	47.2700	5.8700	55.0900	15.0300
DHDN_To_WGS_1984_4x	108207	0.100	Germany - West Germany C	50.3300	5.8700	52.3300	12.0300
DHDN_To_WGS_1984_5x	108208	0.100	Germany - West Germany N	52.3300	6.6200	55.0900	11.5800
DHDN_To_WGS_1984_6x	108209	0.100	Germany - Thuringen	50.2000	9.9200	51.6400	12.5600
DHDN_To_WGS_1984_7x	108210	0.100	Germany - Sachsen	50.2100	11.9000	51.6600	15.0300
Dominica_1945_To_WGS_1984	1442	10.000	Dominica - onshore	15.1500	-61.5400	15.6800	-61.2000
DOS_1968_To_WGS_1984	108259	44.000	Solomon Islands - New Georgia - Ghizo (Gizo)	-8.1500	156.7000	-8.0000	156.9000
DOS_71_4_To_WGS_1984	15798	44.000	St Helena - St Helena Island	-16.0300	-5.8100	-15.8800	-5.6300
Douala_1948_To_WGS_1984_1	15873	10.000	Cameroon - coastal area	1.5000	8.4000	5.0000	12.0000
DRUKREF_03_To_WGS_1984_1	5267	1.000	Bhutan	26.7000	88.7400	28.2500	92.1300
Easter_Island_1967_To_WGS_1984	15806	44.000	Chile - Easter Island onshore	-27.2500	-109.5000	-27.0200	-109.1600
ED_1950_ED77_To_WGS_1984	1514	1.000	Iran	23.3500	44.0600	39.8000	63.3700
ED_1950_ED77_To_WGS_1984_2	1141	19.000	Iran	23.3500	44.0600	39.8000	63.3700
ED_1950_ED77_To_WGS_1984_3	1856	0.500	Iran - South Pars blocks 2 and 3	26.5500	52.0500	26.7500	52.3000
ED_1950_ED77_To_WGS_1984_4	1857	0.500	Iran - Lavan Island and Balal field	26.2000	52.4000	26.8000	53.3000
ED_1950_ED77_To_WGS_1984_5	1858	0.500	Iran - Kharg Island	29.0000	50.1500	29.3300	50.4000
ED_1950_ED77_To_WGS_1984_6	15745	0.200	Iran - South Pars block 11	26.6700	52.1700	26.9500	52.4500

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
ED_1950_To_ED_1987_2	1147	1.000	Norway - offshore north of 65~N	65.0000	-0.5000	72.0000	32.0200
ED_1950_To_ETRF_1989_1	108193	1.000	Norway - offshore north of 62~N; Svalbard	62.0000	-3.7000	84.1600	39.6400
ED_1950_To_ETRS_1989_1	1588	1.000	Norway - offshore north of 65~N; Svalbard	65.0000	-3.7000	84.1600	39.6400
ED_1950_To_ETRS_1989_10	1650	2.000	France	41.1500	-9.8600	51.5600	10.3800
ED_1950_To_ETRS_1989_12_NTv2_Spain_v2	15932	0.200	Spain - mainland and Balearic Islands onshore	35.2600	-9.3600	43.8100	4.3800
ED_1950_To_ETRS_1989_13	5040	5.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
ED_1950_To_ETRS_1989_4	1626	1.000	Denmark - onshore	54.5100	8.0000	57.8000	15.2400
ED_1950_To_ETRS_1989_5	1628	1.000	Gibraltar	36.0100	-5.4100	36.1600	-4.8900
ED_1950_To_ETRS_1989_6	1630	1.500	Spain - Balearic Islands	38.5900	1.1500	40.1100	4.3800
ED_1950_To_ETRS_1989_7	1632	1.500	Spain - mainland except northwest	35.2600	-7.5300	43.5600	3.3900
ED_1950_To_ETRS_1989_8	1634	1.500	Spain - mainland northwest	41.5000	-9.3600	43.8100	-4.5000
ED_1950_To_ETRS_1989_9	1783	2.000	Turkey	34.4300	25.6200	43.4500	44.8200
ED_1950_To_ETRS_1989_NTv2_Baleares	108118	0.500	Spain - Balearic Islands - NTV2 grid	38.0000	0.8333	40.7917	4.6667
ED_1950_To_ETRS_1989_NTv2_Catalonia	108358	0.050	Spain - Catalonia onshore	40.4900	0.1600	42.8600	3.3900
ED_1950_To_ETRS_1989_NTv2_Peninsula	108126	0.500	Spain - Peninsula - NTV2 grid	35.5556	-10.1833	44.4444	4.1500
ED_1950_To_WGS_1984_1	1133	10.000	Europe - west (DMA ED50 mean)	34.8800	-9.5500	71.2000	31.5800
ED_1950_To_WGS_1984_10	1142	44.000	Italy - Sardinia onshore	38.8300	8.0800	41.3000	9.8900
ED_1950_To_WGS_1984_11	1143	35.000	Italy - Sicily onshore	36.6000	12.3700	38.3500	15.7000
ED_1950_To_WGS_1984_12	1144	44.000	Malta - onshore	35.7500	14.1800	36.0400	14.6200
ED_1950_To_WGS_1984_13	1145	9.000	Europe - Portugal and Spain	35.2600	-9.5500	43.8100	3.3900
ED_1950_To_WGS_1984_16	1245	44.000	Tunisia	30.2500	7.5000	38.4300	13.7400
ED_1950_To_WGS_1984_17	1275	2.000	France	41.1500	-9.8600	51.5600	10.3800
ED_1950_To_WGS_1984_18	1311	1.000	Europe - common offshore	47.4200	-16.1000	63.8900	10.8600
ED_1950_To_WGS_1984_19	1440	999.000	Greece - onshore	34.8800	19.5800	41.7500	28.3000
ED_1950_To_WGS_1984_2	1134	6.000	Europe - west central (by country)	42.3300	-4.8700	57.8000	17.1700
ED_1950_To_WGS_1984_23	1612	1.000	Norway - offshore north of 62~N; Svalbard	62.0000	-3.7000	84.1600	39.6400
ED_1950_To_WGS_1984_24	1613	1.000	Norway - North Sea - offshore south of 62~N	56.0900	1.3700	62.0000	11.1300
ED_1950_To_WGS_1984_25	1627	1.000	Denmark - onshore	54.5100	8.0000	57.8000	15.2400
ED_1950_To_WGS_1984_26	1629	1.000	Gibraltar	36.0100	-5.4100	36.1600	-4.8900
ED_1950_To_WGS_1984_27	1631	1.500	Spain - Balearic Islands	38.5900	1.1500	40.1100	4.3800
ED_1950_To_WGS_1984_28	1633	1.500	Spain - mainland except northwest	35.2600	-7.5300	43.5600	3.3900

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
ED_1950_To_WGS_1984_29	1635	1.500	Spain - mainland northwest	41.5000	-9.3600	43.8100	-4.5000
ED_1950_To_WGS_1984_3	1135	999.000	Asia - Middle East - Iraq; Israel; Jordan; Lebanon; Kuwait; Saudi Arabia; Syria	16.3800	34.2700	37.3800	55.6700
ED_1950_To_WGS_1984_30	1784	2.000	Turkey	34.4300	25.6200	43.4500	44.8200
ED_1950_To_WGS_1984_31	1810	15.000	Egypt - Western Desert	27.5000	25.0000	30.8200	30.7400
ED_1950_To_WGS_1984_32	108857	5.000	Netherlands - offshore	51.4300	2.5400	55.7700	6.3600
ED_1950_To_WGS_1984_34	1989	1.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
ED_1950_To_WGS_1984_36	1998	1.000	Germany - offshore North Sea	53.4600	3.3500	55.9200	8.8800
ED_1950_To_WGS_1984_37	1087	2.500	Jordan	29.2100	34.9800	33.4000	39.3300
ED_1950_To_WGS_1984_38	1075	10.000	Asia - Middle East - Israel, Palestine Territory, Turkey - offshore	31.3300	28.1500	42.5000	41.5000
ED_1950_To_WGS_1984_39	1853	5.000	Ireland - Corrib and Errigal	53.7500	-12.5000	55.7500	-9.5000
ED_1950_To_WGS_1984_4	1136	26.000	Cyprus - onshore	34.5900	32.2100	35.7400	34.6500
ED_1950_To_WGS_1984_41_NTv2_Spain_v2	15933	1.000	Spain - mainland and Balearic Islands onshore	35.2600	-9.3600	43.8100	4.3800
ED_1950_To_WGS_1984_42	15964	5.000	Portugal - mainland - offshore	34.9200	-13.8600	41.8700	-7.3600
ED_1950_To_WGS_1984_5	1137	13.000	Egypt	21.9900	24.7100	33.7500	36.9000
ED_1950_To_WGS_1984_6	1138	6.000	Europe - British Isles and Channel Islands onshore	49.1200	-10.5600	60.8900	1.8300
ED_1950_To_WGS_1984_7	1139	7.000	Europe - Finland and Norway - onshore	57.9400	4.6900	71.2000	31.5800
ED_1950_To_WGS_1984_8	1140	44.000	Greece - onshore	34.8800	19.5800	41.7500	28.3000
ED_1950_To_WGS_1984_9	108275	19.000	Iran	23.3500	44.0600	39.8000	63.3700
ED_1950_To_WGS_1984_NGA_7PAR	108335	10.000	Europe - west (DMA ED50 mean)	34.8800	-9.5500	71.2000	31.5800
ED_1950_To_WGS_1984_NTv2_Baleares	108119	1.000	Spain - Balearic Islands - NTv2 grid	38.0000	0.8333	40.7917	4.6667
ED_1950_To_WGS_1984_NTv2_Catalonia	108359	0.050	Spain - Catalonia onshore	40.4900	0.1600	42.8600	3.3900
ED_1950_To_WGS_1984_NTv2_Peninsula	108136	1.000	Spain - Peninsula - NTv2 grid	35.5556	-10.1833	44.4444	4.1500
ED_1950_To_WGS_1984_PT3	108111	999.000	Portugal	29.2500	-35.5800	43.0700	-6.1900
ED_1950_To_WGS_1984_PT7	108121	999.000	Portugal	29.2500	-35.5800	43.0700	-6.1900
ED_1987_To_ETRS_1989_1	4078	0.300	Europe - west	34.8800	-10.5600	71.2000	31.5800
ED_1987_To_WGS_1984_1	1146	0.800	Europe - North Sea	51.0400	-5.0500	62.0000	11.1300
ED_1987_To_WGS_1984_2	108856	1.000	Europe - west	34.8800	-10.5600	71.2000	31.5800
Egypt_1907_To_WGS_1972	1545	5.000	Egypt	21.9900	24.7100	33.7500	36.9000
Egypt_1907_To_WGS_1984	1148	11.000	Egypt	21.9900	24.7100	33.7500	36.9000
Egypt_1907_To_WGS_1984_3	1546	30.000	Egypt - Gulf of Suez	27.3000	32.3000	29.9600	34.2500
Egypt_Gulf_of_Suez_S-650_TL_To_WGS_1972_BE_1	15792	5.000	Egypt - Gulf of Suez	27.3000	32.3000	29.9600	34.2500
Egypt_Gulf_of_Suez_S-650_TL_To_WGS_1984_2	15846	5.000	Egypt - Gulf of Suez	27.3000	32.3000	29.9600	34.2500

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ELD_1979_To_LGD2006_1	15924	5.000	Libya - onshore	19.5100	9.3100	32.9000	25.1500
ELD_1979_To_WGS_1984_1	1859	20.000	Libya - Murzuq and En Naga	24.0000	13.0000	28.0000	19.0000
ELD_1979_To_WGS_1984_2	1860	0.500	Libya - Murzuq and En Naga	24.0000	13.0000	28.0000	19.0000
ELD_1979_To_WGS_1984_3	1861	2.000	Libya - Mabruk	29.6000	17.2000	29.9000	17.5000
ELD_1979_To_WGS_1984_4	1862	0.500	Libya - Mabruk	29.6000	17.2000	29.9000	17.5000
ELD_1979_To_WGS_1984_5	1863	6.000	Libya - Mabruk	29.6000	17.2000	29.9000	17.5000
ELD_1979_To_WGS_1984_6	15707	10.000	Libya - Amal	29.2000	21.0000	29.6000	21.3000
ELD_1979_To_WGS_1984_7	15778	0.500	Libya - Sirte NC192	27.8300	21.1700	28.6700	21.8300
ELD_1979_To_WGS_1984_8	15909	5.000	Libya - onshore	19.5100	9.3100	32.9000	25.1500
ELD_1979_To_WGS_1984_9	15923	2.000	Libya - Cyrenaica	32.0000	22.5000	32.6700	23.0000
Estonia_1937_To_ETRS_1989	108272	0.100	Estonia	57.5200	20.3700	59.9900	28.1900
Estonia_1937_To_WGS_1984_NGA	108261	0.100	Estonia	57.5200	20.3700	59.9900	28.1900
Estonia_1992_To_ETRF_1989	108194	0.100	Estonia	57.5200	20.3700	59.9900	28.1900
Estonia_1992_To_ETRS_1989	1331	0.100	Estonia - onshore	57.5200	21.7400	59.7100	28.1900
Estonia_1992_To_WGS_1984	1333	0.500	Estonia - onshore	57.5200	21.7400	59.7100	28.1900
Estonia_1997_To_ETRS_1989_1	1648	0.000	Estonia - onshore	57.5200	21.7400	59.7100	28.1900
Estonia_1997_To_WGS_1984_1	1649	1.000	Estonia - onshore	57.5200	21.7400	59.7100	28.1900
ETRF_1989_To_WGS_1984	108195	1.000	Europe - ETRS89	32.8800	-16.1000	84.1600	39.6400
ETRS_1989_To_NTF_3_NTv2	15959	1.000	France - mainland and Corsica - NTFv2 file	41.0000	-5.5000	52.0000	10.0000
ETRS_1989_To_WGS_1984	1149	1.000	Europe - ETRS89	32.8800	-16.1000	84.1600	39.6400
EUREF_FIN_To_ETRS_1989	108226	1.000	Finland	58.8400	19.0800	70.0900	31.5800
EUREF_FIN_To_WGS_1984	108227	1.000	Finland	58.8400	19.0800	70.0900	31.5800
European_1950_To_WGS_1984_33	1985	5.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
European_1979_To_WGS_1984	15752	6.000	Europe - west	34.8800	-10.5600	71.2000	31.5800
Fahud_To_WGS_1984	1256	10.000	Oman - onshore	16.6000	51.9000	26.4000	59.8900
Fahud_To_WGS_1984_2	1438	25.000	Oman - onshore	16.6000	51.9000	26.4000	59.8900
Fatu_Iva_1972_To_RGPF_1	15760	2.000	French Polynesia - Marquises Islands - Fatu Iva	-10.5500	-138.7000	-10.3300	-138.5500
Fatu_Iva_1972_To_WGS_1984_1	15772	2.000	French Polynesia - Marquises Islands - Fatu Iva	-10.5500	-138.7000	-10.3300	-138.5500
FD_1954_To_ED_1950_1	15866	0.000	Faroe Islands - onshore	61.3400	-7.4800	62.4100	-6.3400
FD_1958_To_WGS_1984	1513	0.500	Iran - Kangan district	27.7000	51.8000	28.2000	52.5000
FD_1958_To_WGS_1984_2	1854	0.500	Iran - Lavan Island and Balal field	26.2000	52.4000	26.8000	53.3000
FD_1958_To_WGS_1984_3	1855	0.500	Iran - Kharg Island	29.0000	50.1500	29.3300	50.4000
Fiji_1956_To_WGS_1984_1	15875	7.000	Fiji - main islands	-18.5000	177.0000	-16.0000	-179.5000
Fiji_1986_To_WGS_1984_1	15876	2.000	Fiji	-25.1000	172.8700	-9.7900	-176.1600
Fiji_1986_To_WGS_1984_2	15877	40.000	Fiji - main islands	-18.5000	177.0000	-16.0000	-179.5000
Fort_Desaix_To_RGAF09_1	5491	0.100	Martinique - onshore	14.3500	-61.2800	14.9300	-60.7700
Fort_Desaix_To_WGS_1984_1	1909	10.000	Martinique - onshore	14.3500	-61.2800	14.9300	-60.7700
Fort_Desaix_To_WGS_1984_2	1910	0.100	Martinique - onshore	14.3500	-61.2800	14.9300	-60.7700

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
Fort_Marigot_To_RGAF09_1	5493	10.000	Guadeloupe - St Martin and St Barthelemy - onshore	17.8300	-63.2000	18.1700	-62.7300
Fort_Marigot_To_WGS_1984_1	1903	10.000	Guadeloupe - St Martin and St Barthelemy - onshore	17.8300	-63.2000	18.1700	-62.7300
Fort_Thomas_1955_To_WGS_1984	108262	44.000	St Kitts and Nevis	16.3500	-63.6300	17.6700	-62.2000
Gan_1970_To_WGS_1984_1	15713	44.000	Maldives	-4.0400	69.2200	8.0900	77.1300
Garoua_To_WGS_1972_BE_1	1805	5.000	Cameroon - Garoua area	9.0000	13.0000	9.8000	14.0000
GDA_1994_To_WGS_1984	1150	1.000	Australia - all states	-45.0000	108.0000	-10.0000	155.0000
GGRS_1987_To_WGS_1984	1272	1.000	Greece - onshore	34.8800	19.5800	41.7500	28.3000
Graciosa_1948_To_PTRA08_1_3par	108240	0.190	Portugal - Azores C - onshore	38.3200	-28.9000	39.1400	-26.9700
Graciosa_1948_To_PTRA08_1_7par	108184	0.180	Portugal - Azores C - onshore	38.3200	-28.9000	39.1400	-26.9700
Graciosa_1948_To_PTRA08_2_3par	108241	0.068	Portugal - Azores C - Faial onshore	38.4600	-28.9000	38.6900	-28.5500
Graciosa_1948_To_PTRA08_2_7par	108185	0.005	Portugal - Azores C - Faial onshore	38.4600	-28.9000	38.6900	-28.5500
Graciosa_1948_To_PTRA08_3_3par	108242	0.064	Azores - Graciosa Island	39.0000	-28.1500	39.1500	-27.9000
Graciosa_1948_To_PTRA08_3_7par	108186	0.004	Azores - Graciosa Island	39.0000	-28.1500	39.1500	-27.9000
Graciosa_1948_To_PTRA08_4_3par	108243	0.100	Portugal - Azores C - Pico onshore	38.3200	-28.6100	38.6100	-27.9900
Graciosa_1948_To_PTRA08_4_7par	108187	0.400	Portugal - Azores C - Pico onshore	38.3200	-28.6100	38.6100	-27.9900
Graciosa_1948_To_PTRA08_5_3par	108244	0.700	Portugal - Azores C - S Jorge onshore	38.4900	-28.3700	38.8000	-27.7100
Graciosa_1948_To_PTRA08_5_7par	108188	0.007	Portugal - Azores C - S Jorge onshore	38.4900	-28.3700	38.8000	-27.7100
Graciosa_1948_To_PTRA08_6_3par	108245	0.070	Portugal - Azores C - Terceira onshore	38.5800	-27.4400	38.8500	-26.9700
Graciosa_1948_To_PTRA08_6_7par	108189	0.005	Portugal - Azores C - Terceira onshore	38.5800	-27.4400	38.8500	-26.9700
Graciosa_1948_To_WGS_1984_1_3par	108292	0.300	Portugal - Azores C - onshore	38.3200	-28.9000	39.1400	-26.9700
Graciosa_1948_To_WGS_1984_1_7par	108246	0.500	Portugal - Azores C - onshore	38.3200	-28.9000	39.1400	-26.9700
Graciosa_1948_To_WGS_1984_2_3par	108293	0.200	Portugal - Azores C - Faial onshore	38.4600	-28.9000	38.6900	-28.5500
Graciosa_1948_To_WGS_1984_2_7par	108247	0.010	Portugal - Azores C - Faial onshore	38.4600	-28.9000	38.6900	-28.5500
Graciosa_1948_To_WGS_1984_3_3par	108294	0.100	Azores - Graciosa Island	39.0000	-28.1500	39.1500	-27.9000
Graciosa_1948_To_WGS_1984_3_7par	108248	0.010	Azores - Graciosa Island	39.0000	-28.1500	39.1500	-27.9000
Graciosa_1948_To_WGS_1984_4_3par	108295	0.300	Portugal - Azores C - Pico onshore	38.3200	-28.6100	38.6100	-27.9900
Graciosa_1948_To_WGS_1984_4_7par	108249	0.500	Portugal - Azores C - Pico onshore	38.3200	-28.6100	38.6100	-27.9900

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
Graciosa_1948_To_WGS_1984_5_3par	108296	0.900	Portugal - Azores C - S Jorge onshore	38.4900	-28.3700	38.8000	-27.7100
Graciosa_1948_To_WGS_1984_5_7par	108250	0.010	Portugal - Azores C - S Jorge onshore	38.4900	-28.3700	38.8000	-27.7100
Graciosa_1948_To_WGS_1984_6_3par	108297	0.200	Portugal - Azores C - Terceira onshore	38.5800	-27.4400	38.8500	-26.9700
Graciosa_1948_To_WGS_1984_6_7par	108251	0.010	Portugal - Azores C - Terceira onshore	38.5800	-27.4400	38.8500	-26.9700
Graciosa_Base_SW_1948_To_WGS_1984_1	108112	5.000	Portugal - Azores C - onshore	38.3200	-28.9000	39.1400	-26.9700
Graciosa_Base_SW_1948_To_WGS_1984_2	108122	1.000	Portugal - Azores C - onshore	38.3200	-28.9000	39.1400	-26.9700
Grand_Cayman_1959_To_WGS_1984_1	15830	1.000	Cayman Islands - Grand Cayman	19.2200	-81.4500	19.4000	-81.0400
Grand_Comoros_To_WGS_1984_1	5521	999.000	Comoros - Njazidja (Grande Comore)	-11.9000	43.2000	-11.4000	43.5000
Greek_Athens_To_Greek	1761	0.000	Greece - onshore	34.8800	19.5800	41.7500	28.3000
Greek_To_GGRS_1987	1891	5.000	Greece - onshore	34.8800	19.5800	41.7500	28.3000
Greenland_1996_To_WGS_1984_1	15879	1.000	Greenland	56.3800	-75.0000	87.0200	8.1200
Grenada_1953_To_WGS_1984	1443	10.000	Grenada - main island - onshore	11.9500	-61.8300	12.2900	-61.5500
Guam_1963_To_HARN_Guam	1068	5.000	Guam - onshore	13.1900	144.5800	13.7000	145.0000
Guam_1963_To_HARN_Marianas_Rota	108137	999.000	Northern Marianas - Rota	14.0000	145.0000	14.7500	146.0000
Guam_1963_To_HARN_Marianas_Saipan	108138	999.000	Northern Marianas - Saipan	14.7500	145.0000	15.5000	146.0000
Guam_1963_To_HARN_Marianas_Tinian_Aguijan	108139	999.000	Northern Marianas - Tinian and Aguijan	14.7500	145.5000	15.1333	145.7500
Guam_1963_To_NAD_1983_HARN_Rota	108305	999.000	Northern Marianas - Rota	14.0000	145.0000	14.7500	146.0000
Guam_1963_To_NAD_1983_HARN_Saipan	108304	999.000	Northern Marianas - Saipan	14.7500	145.0000	15.5000	146.0000
Guam_1963_To_WGS_1984_1	1070	6.000	Guam - onshore	13.1900	144.5800	13.7000	145.0000
Guam_1963_To_WGS_1984_2	1069	5.000	Guam - onshore	13.1900	144.5800	13.7000	145.0000
Guam_1963_To_WGS_1984_Saipan	108299	999.000	Northern Marianas - Saipan	14.7500	145.0000	15.5000	146.0000
Gulshan_303_To_WGS_1984_1	15779	1.000	Bangladesh	15.0900	88.1000	26.6500	92.7200
Gunung_Segara_Jakarta_To_Gunung_Segara	1883	0.000	Indonesia - Kalimantan E	-5.7200	113.6900	4.4000	119.6200
Gunung_Segara_To_WGS_1984_1	1897	999.000	Indonesia - Kalimantan E	-5.7200	113.6900	4.4000	119.6200
Gunung_Segara_To_WGS_1984_2	1898	5.000	Indonesia - Kalimantan E	-5.7200	113.6900	4.4000	119.6200
Gunung_Segara_To_WGS_1984_3	1899	10.000	Indonesia - northeast Kalimantan	-2.3500	113.7000	4.4000	119.6200
Gunung_Segara_To_WGS_1984_4	1838	1.000	Indonesia - Kalimantan E - Mahakam delta	-1.3500	116.9000	0.0000	118.0000
GUX_1_To_WGS_1984	108263	44.000	Solomon Islands - Guadalcanal Island	-9.9600	159.5600	-9.2400	160.9100
Hanoi_1972_To_WGS_1984	1544	5.000	Vietnam - Meekong delta	8.5400	104.5000	12.3300	107.5000
Hartebeesthoek94_To_WGS_1984	1505	1.000	South Africa	-50.3400	14.0300	-22.1400	41.1600
HD1909_To_WGS_1984_1	3817	3.000	Hungary	45.7500	16.1100	48.5800	22.8900
Helle_1954_To_WGS_1984_1	1957	1.000	Jan Mayen - onshore	70.7500	-9.1700	71.2300	-7.8800
Herat_North_To_WGS_1984	1246	999.000	Afghanistan	29.4100	60.5400	38.5000	74.9600

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Hermannskogel_To_WGS_1984	108264	999.000	Europe - former Yugoslavia onshore	40.8600	13.3800	46.8800	23.0300
Hito_XVIII_1963_To_WGS_1984	1529	0.500	Argentina - Tierra del Fuego onshore	-55.1000	-68.6400	-52.5900	-63.7300
Hito_XVIII_1963_To_WGS_1984_2	1892	44.000	Chile - Tierra del Fuego	-55.9500	-74.8200	-52.4000	-66.3400
Hjorsey_1955_To_WGS_1984	1951	7.000	Iceland - onshore	63.3500	-24.6600	66.5800	-13.3800
Hong_Kong_1963_67_To_WGS_1984	15842	1.000	China - Hong Kong	22.1600	113.8900	22.6200	114.5700
Hong_Kong_1980_To_ITRF_1996	108337	1.000	China - Hong Kong	22.1600	113.8900	22.6200	114.5700
Hong_Kong_1980_To_WGS_1984_1	1825	1.000	China - Hong Kong	22.1600	113.8900	22.6200	114.5700
HTRS96_To_ETRS_1989_1	15966	0.000	Croatia	41.6200	13.0100	46.5400	19.4300
HTRS96_To_WGS_1984_1	15967	1.000	Croatia	41.6200	13.0100	46.5400	19.4300
Hungarian_1972_To_ETRF_1989_1	108196	1.000	Hungary	45.7500	16.1100	48.5800	22.8900
Hungarian_1972_To_ETRS_1989_1	1829	0.500	Hungary	45.7500	16.1100	48.5800	22.8900
Hungarian_1972_To_ETRS_1989_2	1449	0.400	Hungary	45.7500	16.1100	48.5800	22.8900
Hungarian_1972_To_WGS_1984_1	1830	1.000	Hungary	45.7500	16.1100	48.5800	22.8900
Hungarian_1972_To_WGS_1984_2	1831	1.000	Hungary	45.7500	16.1100	48.5800	22.8900
Hungarian_1972_To_WGS_1984_3	1448	1.000	Hungary	45.7500	16.1100	48.5800	22.8900
Hungarian_1972_To_WGS_1984_4	1242	1.000	Hungary	45.7500	16.1100	48.5800	22.8900
Hu_Tzu_Shan_To_WGS_1984	1152	26.000	Taiwan - onshore	21.8000	119.4000	25.4000	122.0500
IGCB_1955_To_WGS_1984_1	15787	5.000	Congo DR (Zaire) - Bas Congo	-6.1000	12.2100	-3.9500	16.5000
IGM_1995_To_ETRS_1989_1	1098	0.000	Italy - including San Marino and Vatican	34.7700	5.9400	47.0900	18.9900
IGM_1995_To_WGS_1984_1	1099	1.000	Italy - including San Marino and Vatican	34.7700	5.9400	47.0900	18.9900
IGN53_Mare_To_RGNC_1991-93_1	15884	2.000	New Caledonia - Mare	-21.7000	167.7500	-21.3000	168.1500
IGN53_Mare_To_RGNC_1991-93_2	15891	0.100	New Caledonia - Mare	-21.7000	167.7500	-21.3000	168.1500
IGN53_Mare_To_WGS_1984_1	1928	1.000	New Caledonia - Mare	-21.7000	167.7500	-21.3000	168.1500
IGN53_Mare_To_WGS_1984_2	15783	5.000	New Caledonia - Mare	-21.7000	167.7500	-21.3000	168.1500
IGN53_Mare_To_WGS_1984_3	15901	2.000	New Caledonia - Mare	-21.7000	167.7500	-21.3000	168.1500
IGN56_Lifou_To_RGNC_1991-93_1	15883	1.000	New Caledonia - Lifou	-21.2000	167.0000	-20.7000	167.5000
IGN56_Lifou_To_RGNC_1991-93_2	15890	0.100	New Caledonia - Lifou	-21.2000	167.0000	-20.7000	167.5000
IGN56_Lifou_To_WGS_1984_1	1917	10.000	New Caledonia - Lifou	-21.2000	167.0000	-20.7000	167.5000
IGN56_Lifou_To_WGS_1984_2	1927	1.000	New Caledonia - Lifou	-21.2000	167.0000	-20.7000	167.5000
IGN56_Lifou_To_WGS_1984_3	15902	1.000	New Caledonia - Lifou	-21.2000	167.0000	-20.7000	167.5000
IGN63_Hiva_Oa_To_RGPF_1	15761	0.500	French Polynesia - Marqueses Islands - Hiva Oa	-9.8800	-139.1800	-9.6700	-138.8000
IGN63_Hiva_Oa_To_RGPF_2	15762	2.000	French Polynesia - Marqueses Islands - Tahuata	-10.0500	-139.1500	-9.8800	-139.0000
IGN63_Hiva_Oa_To_WGS_1984_1	15773	2.000	French Polynesia - Marqueses Islands - Hiva Oa	-9.8800	-139.1800	-9.6700	-138.8000

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IGN63_Hiva_Oa_To_WGS_1984_2	15774	2.000	French Polynesia - Marquises Islands - Tahuata	-10.0500	-139.1500	-9.8800	-139.0000
IGN72_Grande_Terre_To_RGNC_1991-93_1	15882	2.000	New Caledonia - Grande Terre	-22.5000	163.9000	-20.0000	167.1000
IGN72_Grande_Terre_To_RGNC_1991-93_2	15887	0.300	New Caledonia - Grande Terre	-22.5000	163.9000	-20.0000	167.1000
IGN72_Grande_Terre_To_RGNC_1991-93_3	15888	0.100	New Caledonia - Grande Terre - Noumea	-22.3500	166.3000	-22.1000	166.5000
IGN72_Grande_Terre_To_WGS_1984_1	1962	10.000	New Caledonia - Grande Terre	-22.5000	163.9000	-20.0000	167.1000
IGN72_Grande_Terre_To_WGS_1984_2	1963	1.000	New Caledonia - Grande Terre	-22.5000	163.9000	-20.0000	167.1000
IGN72_Grande_Terre_To_WGS_1984_3	15903	2.000	New Caledonia - Grande Terre	-22.5000	163.9000	-20.0000	167.1000
IGN72_Nuku_Hiva_To_RGPF_1	15763	0.500	French Polynesia - Marquises Islands - Nuku Hiva	-9.0000	-140.2500	-8.7500	-139.9500
IGN72_Nuku_Hiva_To_RGPF_2	15764	2.000	French Polynesia - Marquises Islands - Ua Huka	-9.0000	-139.6000	-8.8500	-139.4500
IGN72_Nuku_Hiva_To_RGPF_3	15765	0.500	French Polynesia - Marquises Islands - Ua Pou	-9.5000	-140.1700	-9.3300	-140.0000
IGN72_Nuku_Hiva_To_WGS_1984_1	1914	10.000	French Polynesia - Marquises Islands - Nuku Hiva, Ua Huka and Ua Pou	-9.5000	-140.2500	-8.7500	-139.4500
IGN72_Nuku_Hiva_To_WGS_1984_2	15775	1.000	French Polynesia - Marquises Islands - Nuku Hiva	-9.0000	-140.2500	-8.7500	-139.9500
IGN72_Nuku_Hiva_To_WGS_1984_3	15776	2.000	French Polynesia - Marquises Islands - Ua Huka	-9.0000	-139.6000	-8.8500	-139.4500
IGN72_Nuku_Hiva_To_WGS_1984_4	15777	1.000	French Polynesia - Marquises Islands - Ua Pou	-9.5000	-140.1700	-9.3300	-140.0000
IGRS_To_WGS_1984_1	3894	0.000	Iraq	29.0600	38.8200	37.4100	49.4000
IKBD_1992_To_WGS_1984_1	1993	0.000	Asia - Middle East - Iraq-Kuwait boundary	29.0500	46.5000	30.1000	48.0000
Indian_1954_To_WGS_1984	1153	21.000	Thailand - onshore	5.6300	98.1000	20.4700	105.7000
Indian_1960_To_WGS_1972_BE	1541	25.000	Vietnam - offshore Nam Con Son basin	7.3300	107.0000	10.7500	109.5000
Indian_1960_To_WGS_1984_1	8532	27.000	Vietnam - offshore Nam Con Son basin	7.3300	107.0000	10.7500	109.5000
Indian_1960_To_WGS_1984_2	1542	44.000	Vietnam - near 16~N	15.9000	107.4500	16.1000	108.4000
Indian_1960_To_WGS_1984_3	1543	44.000	Vietnam - Con Son Island	8.6200	106.5300	8.7600	106.7500
Indian_1975_To_WGS_1984	1154	5.000	Thailand - onshore and offshore Gulf of Thailand	5.6300	98.0000	20.4700	105.7000
Indian_1975_To_WGS_1984_2	1304	5.000	Thailand - onshore and offshore Gulf of Thailand	5.6300	98.0000	20.4700	105.7000
Indian_1975_To_WGS_1984_3	1537	1.000	Thailand - Bongkot field	7.3000	102.2000	8.3000	102.7000
Indian_1975_To_WGS_1984_4	1812	3.000	Thailand - onshore and offshore Gulf of Thailand	5.6300	98.0000	20.4700	105.7000
Indonesian_1974_To_DGN_1995_1	15911	3.000	Indonesia	-13.0100	91.6600	7.9200	141.1000

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Indonesian_1974_To_WGS_1984	1248	44.000	Indonesia	-13.0100	91.6600	7.9200	141.1000
Indonesian_1974_To_WGS_1984_2	1832	25.000	Indonesia	-13.0100	91.6600	7.9200	141.1000
Indonesian_1974_To_WGS_1984_3	1833	3.000	Indonesia	-13.0100	91.6600	7.9200	141.1000
IRENET95_To_ETRF_1989	108197	0.000	Europe - Ireland (Republic and Ulster) - onshore	51.4000	-10.5600	55.4300	-5.3500
IRENET95_To_ETRS_1989	1611	0.000	Europe - Ireland (Republic and Ulster) - on- and offshore	51.3300	-10.6000	55.4000	-5.3300
IRENET95_To_WGS_1984_1	1678	1.000	Europe - Ireland (Republic and Ulster) - on- and offshore	51.3300	-10.6000	55.4000	-5.3300
ISN_1993_To_ISN_2004	108214	0.050	Iceland - NADCON	63.2700	-24.6500	66.6600	-13.2500
ISN_1993_To_WGS_1984_1	1952	1.000	Iceland	59.9600	-30.8600	69.5800	-5.5600
ISN_2004_To_ISN_1993	108216	0.050	Iceland - NADCON	63.2700	-24.6500	66.6600	-13.2500
ISN_2004_To_WGS_1984_1	5327	1.000	Iceland	59.9600	-30.8600	69.5800	-5.5600
Israel_To_WGS_1984	1073	2.000	Israel	29.5100	33.4700	33.9800	35.6900
ISTS_061_1968_To_WGS_1984	15813	44.000	South Georgia	-55.2200	-38.4600	-53.8000	-34.6300
ISTS_073_1969_To_WGS_1984	15808	44.000	British Indian Ocean Territory - Diego Garcia	-7.4900	72.3400	-7.2100	72.5000
ITRF_1988_To_ITRF_2000_1	1943	0.000	World	-90.0000	-180.0000	90.0000	180.0000
ITRF_1989_To_ITRF_2000_1	1942	0.000	World	-90.0000	-180.0000	90.0000	180.0000
ITRF_1990_To_ITRF_2000_1	1941	0.000	World	-90.0000	-180.0000	90.0000	180.0000
ITRF_1991_To_ITRF_2000_1	1940	0.000	World	-90.0000	-180.0000	90.0000	180.0000
ITRF_1992_To_ITRF_2000_1	1939	0.000	World	-90.0000	-180.0000	90.0000	180.0000
ITRF_1993_To_ITRF_2000_1	1938	0.000	World	-90.0000	-180.0000	90.0000	180.0000
ITRF_1994_To_ITRF_2000_1	1937	0.000	World	-90.0000	-180.0000	90.0000	180.0000
ITRF_1996_To_ITRF_2000_1	1936	0.000	World	-90.0000	-180.0000	90.0000	180.0000
ITRF_1997_To_ITRF_2000_1	1935	0.000	World	-90.0000	-180.0000	90.0000	180.0000
ITRF_2000_To_ITRF_2005_1	15698	0.000	World	-90.0000	-180.0000	90.0000	180.0000
ITRF_2000_To_NAD_1983_2011	108353	0.100	USA (all states)	15.5600	167.6500	74.7100	-65.7000
ITRF_2000_To_NAD_1983_CORS96	108150	0.100	USA (all states)	15.5600	167.6500	74.7100	-65.7000
ITRF_2000_To_NAD_1983_HARN	108281	0.100	USA (all states)	15.5600	167.6500	74.7100	-65.7000
ITRF_2000_To_WGS_1984	108280	0.000	World	-90.0000	-180.0000	90.0000	180.0000
ITRF_2005_To_ITRF_2008_1	108019	0.000	World	-90.0000	-180.0000	90.0000	180.0000
ITRF_2008_To_NAD_1983_2011	108360	0.030	Pacific Ocean	-78.8000	99.3000	65.6000	-70.0000
ITRF_2008_To_NAD_1983_MA11	108361	0.050	Pacific Ocean	-78.8000	99.3000	65.6000	-70.0000
ITRF_2008_To_NAD_1983_PA11	108362	0.050	Pacific Ocean	-78.8000	99.3000	65.6000	-70.0000
JAD_2001_To_WGS_1984	15925	0.000	Jamaica	14.0800	-80.5900	19.3600	-74.5100
Jamaica_1969_To_JAD_2001_1	15926	0.500	Jamaica - onshore	17.6500	-78.4300	18.5700	-76.1700
Jamaica_1969_To_WGS_1972_1	10086	15.000	Jamaica - onshore	17.6500	-78.4300	18.5700	-76.1700
Jamaica_1969_To_WGS_1972_2	1083	10.000	Jamaica - onshore	17.6500	-78.4300	18.5700	-76.1700
Jamaica_1969_To_WGS_1984_1	1084	5.000	Jamaica - onshore	17.6500	-78.4300	18.5700	-76.1700

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Jamaica_1969_To_WGS_1984_2	1085	2.000	Jamaica - onshore	17.6500	-78.4300	18.5700	-76.1700
Jamaica_1969_To_WGS_1984_3	15927	1.000	Jamaica - onshore	17.6500	-78.4300	18.5700	-76.1700
JGD_2000_To_touhokutaiheiyouoki2011_NTv2_1	108020	0.500	Japan - onshore	19.0100	122.4900	45.9200	160.0900
JGD_2000_To_WGS_1984	108107	4.000	Korea, Republic of (South Korea)	31.6000	122.5200	39.1600	132.1000
JGD_2000_To_WGS_1984_1	1826	1.000	Japan	19.0100	122.4900	45.9200	160.0900
Johnston_Island_1961_To_WGS_1984	15809	44.000	Johnston Island	16.0000	-169.6300	16.8100	-169.3000
Jordan_To_WGS_1984	108233	999.000	Jordan	29.2100	34.9800	33.4000	39.3300
Jouik_1961_To_WGS_1984_1	15870	1.000	Mauritania - north coast	19.3600	-17.5000	21.2500	-16.0000
Kalianpur_1937_To_WGS_1984_1	1155	18.000	Bangladesh - onshore	20.6300	88.1000	26.6500	92.7200
Kalianpur_1937_To_WGS_1984_2	1533	5.000	Myanmar (Burma) - Moattama area	14.5000	94.0000	16.5000	98.0000
Kalianpur_1962_To_WGS_1984_1	1247	999.000	Pakistan - onshore	23.6000	60.9100	37.0800	77.8700
Kalianpur_1962_To_WGS_1984_2	15701	1.000	Pakistan - offshore Indus	22.0000	65.0000	25.5000	69.0000
Kalianpur_1962_To_WGS_1984_3	15702	3.000	Pakistan - Badin and Mehran	24.0000	67.8000	25.3600	68.7900
Kalianpur_1962_To_WGS_1984_4	15703	3.000	Pakistan - Karachi	24.8000	66.8000	25.1000	67.2000
Kalianpur_1962_To_WGS_1984_5	15704	3.000	Pakistan - East Sind	26.0000	68.0000	27.0000	71.1000
Kalianpur_1962_To_WGS_1984_6	15494	3.000	Pakistan - Gambat	26.5000	68.2500	27.5000	69.2500
Kalianpur_1975_To_WGS_1984_1	1156	22.000	Asia - India and Nepal	6.7500	68.1400	35.5100	97.3800
Kandawala_To_WGS_1984	1157	35.000	Sri Lanka - onshore	5.8500	79.6000	9.9200	81.9500
Karbala_1979_PolSERVICE_To_IGRS_1	5077	0.300	Iraq - onshore	29.0600	38.8200	37.4100	49.4000
Karbala_1979_PolSERVICE_To_WGS_1984_1	15872	5.000	Iraq - Basra area	29.0600	46.0000	31.0000	49.4000
Karbala_1979_PolSERVICE_To_WGS_1984_2	5078	0.300	Iraq - onshore	29.0600	38.8200	37.4100	49.4000
Katanga_1955_To_RGRDC_2005_1	4065	1.500	Congo DR (Zaire) - Katanga - Lubumbashi area	-11.9000	26.6600	-10.8000	27.7000
Katanga_1955_To_RGRDC_2005_2	4067	0.500	Congo DR (Zaire) - Katanga	-13.4600	21.7000	-5.0000	30.7800
Katanga_1955_To_WGS_1984_1	4066	1.500	Congo DR (Zaire) - Katanga - Lubumbashi area	-11.9000	26.6600	-10.8000	27.7000
Katanga_1955_To_WGS_1984_2	4068	1.000	Congo DR (Zaire) - Katanga - Lubumbashi area	-11.9000	26.6600	-10.8000	27.7000
Kerguelen_Island_1949_To_WGS_1984_1	15850	10.000	French Southern Territories - Kerguelen onshore	-49.7500	68.5000	-48.5000	70.6000
Kertau_RSO_To_Kertau_1	15896	0.000	Asia - Malaysia (west) and Singapore	1.2600	99.6400	6.7100	104.2900
Kertau_To_WGS_1984	1158	15.000	Asia - Malaysia (west) and Singapore	1.2600	99.6400	6.7100	104.2900
KKJ_To_ETRS_1989_1_Old	1638	1.500	Finland - onshore	59.7600	19.4100	70.0900	31.5800
KKJ_To_ETRS_1989_2	10098	0.500	Finland - onshore	59.7600	19.4100	70.0900	31.5800
KKJ_To_EUREF_FIN	108229	1.000	Finland	58.8400	19.0800	70.0900	31.5800
KKJ_To_WGS_1984_1_Old	1639	1.500	Finland - onshore	59.7600	19.4100	70.0900	31.5800
KKJ_To_WGS_1984_2_JHS153	10099	1.000	Finland - onshore	59.7600	19.4100	70.0900	31.5800
KOC_To_WGS_1984_1	1059	1.000	Kuwait - onshore	28.5600	46.5700	30.1000	48.4500

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
Korea_2000_To_WGS_1984_1	15831	1.000	Korea, Republic of (South Korea)	31.6000	122.5200	39.1600	132.1000
Korean_1985_To_Korea_2000_1	5189	1.000	Korea, Republic of (South Korea) - onshore	33.1800	125.8000	38.6700	129.7200
Korean_1985_To_WGS_1984_1	5191	1.000	Korea, Republic of (South Korea) - onshore	33.1800	125.8000	38.6700	129.7200
Korean_1995_To_WGS_1984_1	1558	2.000	Korea, Republic of (South Korea) - onshore	33.1800	125.8000	38.6700	129.7200
Kousseri_To_WGS_1972_BE_1	1806	5.000	Cameroon - N'Djamena area	12.0000	15.0000	12.2000	15.3000
KUDAMS_To_WGS_1984_1	1061	1.000	Kuwait - Kuwait City	29.2500	47.6700	29.4500	48.1500
KUDAMS_To_WGS_1984_2	1062	1.000	Kuwait - Kuwait City	29.2500	47.6700	29.4500	48.1500
Kusaie_1951_To_WGS_1984	15810	44.000	Micronesia - Caroline Islands	4.0000	136.6600	12.7600	168.4300
La_Canoa_To_REGVEN_1	1771	15.000	Venezuela - onshore	0.6500	-73.3800	12.2500	-59.8000
La_Canoa_To_SIRGAS	108217	15.000	Venezuela	0.6500	-73.3800	16.7500	-58.9500
La_Canoa_To_WGS_1984	1516	2.500	Venezuela - east	3.3600	-67.4900	10.8000	-59.8000
La_Canoa_To_WGS_1984_2	1096	15.000	Venezuela - onshore	0.6500	-73.3800	12.2500	-59.8000
Lao_1993_To_Lao_1997_1	1064	0.150	Laos	13.9200	100.1500	22.5100	107.7600
Lao_1997_To_WGS_1984_1	1065	5.000	Laos	13.9200	100.1500	22.5100	107.7600
LC5_1961_To_WGS_1984	108268	44.000	Cayman Islands - Little Cayman and Cayman Brac	19.6400	-80.1300	19.7800	-79.6900
Leigon_To_WGS_1984	1159	5.000	Ghana	1.0800	-3.9000	11.1700	1.3400
Le_Pouce_1934_To_WGS_1984_1	15784	2.000	Mauritius - mainland	-20.5000	57.3000	-19.9500	57.8000
LGD2006_To_WGS_1984_1	15908	0.100	Libya	19.5100	9.3100	36.0000	25.9800
Liberia_1964_To_WGS_1984	1160	26.000	Liberia - onshore	4.2700	-11.5000	8.5700	-7.3700
Lisbon_1890_Lisbon_To_Lisbon	1991	0.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Lisbon_1890_To_ETRS_1989_1	5039	5.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Lisbon_1890_To_WGS_1984_1	1986	5.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Lisbon_1890_To_WGS_1984_2	1990	1.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Lisbon_Lisbon_To_Lisbon	1756	0.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Lisbon_To_ETRS_1989_1	1655	3.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Lisbon_To_ETRS_1989_2	1997	2.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Lisbon_To_ETRS_1989_3	5038	7.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Lisbon_To_WGS_1984_1	1656	3.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Lisbon_To_WGS_1984_2	1944	999.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Lisbon_To_WGS_1984_3	1984	5.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Lisbon_To_WGS_1984_4	1988	1.000	Portugal - mainland - onshore	36.9600	-9.5500	42.1500	-6.1900
Little_Cayman_1961_To_WGS_1984_1	15814	44.000	Cayman Islands - Little Cayman and Cayman Brac	19.6400	-80.1300	19.7800	-79.6900
Little_Cayman_1961_To_WGS_1984_2	15829	1.000	Cayman Islands - Little Cayman and Cayman Brac	19.6400	-80.1300	19.7800	-79.6900

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
LKS_1992_To_WGS_1984_1	1958	1.000	Latvia	55.6700	19.0700	58.0800	28.2400
LKS_1994_To_WGS_1984	1283	1.000	Lithuania	53.8900	19.0200	56.4500	26.8100
Locodjo_1965_To_WGS_1984	1469	15.000	Cote d'Ivoire (Ivory Coast) - Abidjan area	5.1300	-4.8000	5.9200	-3.4000
Luxembourg_1930_To_ETRS_1989_1	1642	1.010	Luxembourg	49.4500	5.7300	50.1800	6.5200
Luxembourg_1930_To_ETRS_1989_2	1078	0.110	Luxembourg	49.4500	5.7300	50.1800	6.5200
Luxembourg_1930_To_ETRS_1989_3	5485	1.000	Luxembourg	49.4500	5.7300	50.1800	6.5200
Luxembourg_1930_To_ETRS_1989_4	5483	0.100	Luxembourg	49.4500	5.7300	50.1800	6.5200
Luxembourg_1930_To_WGS_1984_1	1643	1.010	Luxembourg	49.4500	5.7300	50.1800	6.5200
Luxembourg_1930_To_WGS_1984_2	1079	0.510	Luxembourg	49.4500	5.7300	50.1800	6.5200
Luxembourg_1930_To_WGS_1984_3	5486	1.000	Luxembourg	49.4500	5.7300	50.1800	6.5200
Luxembourg_1930_To_WGS_1984_4	5484	0.500	Luxembourg	49.4500	5.7300	50.1800	6.5200
Luzon_1911_To_WGS_1984_1	1161	17.000	Philippines - onshore excluding Mindanao	7.5000	116.0000	21.0000	127.0000
Luzon_1911_To_WGS_1984_2	1162	44.000	Philippines - Mindanao	4.0000	119.0000	10.0000	127.0000
MAGNA_To_SIRGAS	108290	1.000	Colombia	-4.2400	-84.7700	15.5000	-66.8700
MAGNA_To_WGS_1984_1	15738	1.000	Colombia	-4.2400	-84.7700	15.5000	-66.8700
Mahe_1971_To_WGS_1984	1164	44.000	Seychelles - Mahe Island	-5.0000	55.0000	-4.5000	56.0000
Majuro_To_NAD_1983	108135	999.000	Marshall Islands	3.0900	157.0900	21.0100	178.6100
Makassar_Jakarta_To_Makassar	1260	0.000	Indonesia - Sulawesi SW	-7.9000	117.6000	2.0000	121.0000
Makassar_To_WGS_1984_1	1837	999.000	Indonesia - Sulawesi SW	-7.9000	117.6000	2.0000	121.0000
Malongo_1987_To_WGS_1984_1	1330	10.000	Africa - Angola (Cabinda) and DR Congo (Zaire) - offshore	-6.0000	10.8500	-5.0300	12.4300
Malongo_1987_To_WGS_1984_2	1557	5.000	Africa - Angola (Cabinda) and DR Congo (Zaire) - offshore	-6.0000	10.8500	-5.0300	12.4300
Malongo_1987_To_WGS_1984_3	15791	10.000	Africa - Angola (Cabinda) and DR Congo (Zaire) - offshore	-6.0000	10.8500	-5.0300	12.4300
Manoca_1962_To_WGS_1972_BE_1	1902	5.000	Cameroon - coastal area	1.5000	8.4000	5.0000	12.0000
Manoca_1962_To_WGS_1984_1	1796	0.500	Cameroon - coastal area	1.5000	8.4000	5.0000	12.0000
Manoca_To_WGS_1984_1	1316	999.000	Cameroon	1.6600	8.3800	13.0900	16.2200
MARCARIO_SOLIS_To_WGS_1984_1	5377	1.000	Panama	5.0000	-84.3200	12.5000	-77.0500
MARGEN_To_WGS_1984_1	5374	1.000	Bolivia	-22.9000	-69.6600	-9.6800	-57.5200
Massawa_To_WGS_1984	1165	44.000	Eritrea	12.3300	36.4000	18.5700	43.3000
Maupiti_1983_To_RGPF_1	15759	0.500	French Polynesia - Society Islands - Maupiti	-16.5200	-152.3300	-16.3300	-152.1600
Maupiti_1983_To_WGS_1984_1	15771	1.000	French Polynesia - Society Islands - Maupiti	-16.5200	-152.3300	-16.3300	-152.1600
Mauritania_1999_To_WGS_1984_1	15860	1.000	Mauritania	14.7300	-20.4100	27.3100	-4.8100
Merchich_Degree_To_WGS_1984	108279	7.000	Morocco	27.6800	-13.7700	36.2300	-1.0100
Merchich_To_WGS_1984	1166	7.000	Morocco - onshore	27.6800	-13.7700	36.2300	-1.0100
Mexican_Datum_1993_To_WGS_1984_1	4832	1.000	Mexico	12.1000	-122.1800	32.7200	-84.6400
MGI_1901_To_ETRS_1989_2	3963	1.000	Croatia - onshore	42.3500	13.4300	46.5400	19.4300

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
MGI_1901_To_ETRS_1989_3	3914	1.000	Slovenia	45.4300	13.3800	46.8800	16.6100
MGI_1901_To_Slovenia_1996_1	3916	1.000	Slovenia	45.4300	13.3800	46.8800	16.6100
MGI_1901_To_Slovenia_1996_10	3927	0.300	Slovenia - Primorska and Notranjska onshore	45.4400	13.4800	46.0800	14.5700
MGI_1901_To_Slovenia_1996_11	3928	0.300	Slovenia - central	45.9100	14.2200	46.3100	15.2800
MGI_1901_To_Slovenia_1996_2	3918	0.500	Slovenia - west of 14~30'E onshore	45.4400	13.3800	46.5300	14.5700
MGI_1901_To_Slovenia_1996_3	3919	0.500	Slovenia - NE	46.1500	14.5500	46.8800	16.6100
MGI_1901_To_Slovenia_1996_4	3921	0.500	Slovenia - SE	45.4300	14.5500	46.4100	15.7200
MGI_1901_To_Slovenia_1996_5	3922	0.300	Slovenia - southeastern	45.4300	14.5400	45.7600	15.3600
MGI_1901_To_Slovenia_1996_6	3923	0.300	Slovenia - Dolenjska	45.7000	14.4700	46.1200	15.7200
MGI_1901_To_Slovenia_1996_7	3924	0.300	Slovenia - Stajerska	46.1100	14.7400	46.7500	16.2700
MGI_1901_To_Slovenia_1996_8	3925	0.300	Slovenia - Pomurje	46.4700	15.9700	46.8800	16.6100
MGI_1901_To_Slovenia_1996_9	3926	0.300	Slovenia - Gorenjska and N Primorsko	46.0500	13.3800	46.5300	14.8100
MGI_1901_To_WGS_1984_1	3962	5.000	Europe - former Yugoslavia onshore	40.8600	13.3800	46.8800	23.0300
MGI_1901_To_WGS_1984_4	3964	1.000	Croatia - onshore	42.3500	13.4300	46.5400	19.4300
MGI_1901_To_WGS_1984_5	3915	1.000	Slovenia	45.4300	13.3800	46.8800	16.6100
MGI_1901_To_WGS_1984_6	3965	10.000	Montenegro - onshore	41.8000	18.4500	43.5600	20.3800
MGI_1901_To_WGS_1984_9	3917	1.000	Slovenia	45.4300	13.3800	46.8800	16.6100
MGI_Ferro_To_MGI	1757	0.000	Europe - Austria and former Yugoslavia onshore	40.8600	9.5300	49.0200	23.0300
MGI_Ferro_To_WGS_1984	8263	5.000	Europe - former Yugoslavia onshore	40.8600	13.3800	46.8800	23.0300
MGI_To_ETRS_1989_1	1619	1.500	Austria	46.4100	9.5300	49.0200	17.1700
MGI_To_ETRS_1989_2	1620	1.000	Croatia	41.6200	13.0100	46.5400	19.4300
MGI_To_ETRS_1989_3	1785	1.000	Slovenia	45.4300	13.3800	46.8800	16.6100
MGI_To_ETRS_1989_4	1024	1.000	Austria - Styria	46.6500	13.5800	47.8300	16.1700
MGI_To_WGS_1984	1306	999.000	Europe - former Yugoslavia onshore	40.8600	13.3800	46.8800	23.0300
MGI_To_WGS_1984_2	8415	1.500	Austria	46.4100	9.5300	49.0200	17.1700
MGI_To_WGS_1984_3	1618	1.500	Austria	46.4100	9.5300	49.0200	17.1700
MGI_To_WGS_1984_4	1621	1.000	Croatia	41.6200	13.0100	46.5400	19.4300
MGI_To_WGS_1984_5	1786	1.000	Slovenia	45.4300	13.3800	46.8800	16.6100
MGI_To_WGS_1984_6	1794	999.000	Montenegro - onshore	41.8000	18.4500	43.5600	20.3800
MGI_To_WGS_1984_7	1795	999.000	Montenegro - onshore	41.8000	18.4500	43.5600	20.3800
MGI_To_WGS_1984_8	1194	0.500	Austria - Styria	46.6500	13.5800	47.8300	16.1700
Mhast_offshore_To_WGS_1972_BE_1	15790	10.000	Africa - Angola (Cabinda) and DR Congo (Zaire) - offshore	-6.0000	10.8500	-5.0300	12.4300
Midway_1961_To_WGS_1984	15818	44.000	Midway Islands - Sand and	28.1800	-177.4200	28.2900	-177.3000

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
			Eastern Islands				
Midway_1961_To_WGS_1984_Old	15817	44.000	Midway Islands - Sand and Eastern Islands	28.1800	-177.4200	28.2900	-177.3000
Minna_To_WGS_1984_1	1167	44.000	Cameroon - onshore	1.6600	8.5100	13.0900	16.2200
Minna_To_WGS_1984_10	1824	25.000	Nigeria - Gongola Basin	9.5000	10.0000	11.0000	11.5000
Minna_To_WGS_1984_11	1067	8.000	Nigeria - offshore blocks OPL 210, 213, 217 and 218	3.2500	4.4200	5.5300	6.2800
Minna_To_WGS_1984_12	15705	8.000	Nigeria - offshore blocks OPL 215 and 221	3.2500	5.0300	4.2200	7.3000
Minna_To_WGS_1984_13	15706	7.000	Nigeria - offshore deep water	2.2500	2.7000	6.2000	8.0000
Minna_To_WGS_1984_14	15755	7.000	Nigeria - OML 58	5.0500	6.5400	5.3100	6.8300
Minna_To_WGS_1984_15	15493	5.000	Nigeria - 4~N to 5~N, 6~E to 8~E	4.0000	6.0000	5.0000	8.0000
Minna_To_WGS_1984_2	1168	15.000	Nigeria	0.9300	2.7000	13.9000	14.6800
Minna_To_WGS_1984_3	1754	5.000	Nigeria - south	3.0000	5.0000	6.5000	8.5000
Minna_To_WGS_1984_4	1818	12.000	Nigeria - offshore deep water	2.2500	2.7000	6.2000	8.0000
Minna_To_WGS_1984_6	1820	12.000	Nigeria - offshore blocks OPL 209, 219 and 220	3.2500	4.0200	5.5300	6.9500
Minna_To_WGS_1984_7	1821	6.000	Nigeria - offshore blocks OML 99-102 and OPL 222 and 223	3.2500	7.1700	4.5000	8.2500
Minna_To_WGS_1984_8	1822	10.000	Nigeria - offshore blocks OPL 209-213 and 316	4.2200	3.8400	6.3000	5.1600
Minna_To_WGS_1984_9	1823	8.000	Nigeria - offshore blocks OPL 217-223	3.2500	5.5900	3.8500	8.0300
MOLDREF99_To_ETRS_1989_1	5584	0.100	Moldova	45.4500	26.6300	48.4700	30.1300
MOLDREF99_To_WGS_1984_1	5585	1.000	Moldova	45.4500	26.6300	48.4700	30.1300
MONREF_1997_To_MSK_1942_1	108286	999.000	Mongolia	41.5600	87.7600	52.1700	119.9800
MONREF_1997_To_MSK_1942_2	108287	999.000	Mongolia	41.5600	87.7600	52.1700	119.9800
MONREF_1997_To_Pulkovo_1942_1	108288	999.000	Mongolia	41.5600	87.7600	52.1700	119.9800
MONREF_1997_To_Pulkovo_1942_2	108289	999.000	Mongolia	41.5600	87.7600	52.1700	119.9800
Monte_Mario_Rome_To_Monte_Mario	1262	0.000	Italy - including San Marino and Vatican	34.7700	5.9400	47.0900	18.9900
Monte_Mario_Rome_To_WGS_1984	8175	44.000	Italy - Sardinia onshore	38.8300	8.0800	41.3000	9.8900
Monte_Mario_To_ETRS_1989_1	1659	4.000	Italy - mainland	37.8700	6.6200	47.0900	18.5800
Monte_Mario_To_ETRS_1989_2	1661	4.000	Italy - Sardinia onshore	38.8300	8.0800	41.3000	9.8900
Monte_Mario_To_ETRS_1989_3	1663	4.000	Italy - Sicily onshore	36.6000	12.3700	38.3500	15.7000
Monte_Mario_To_WGS_1984	1169	44.000	Italy - Sardinia onshore	38.8300	8.0800	41.3000	9.8900
Monte_Mario_To_WGS_1984_10	1093	10.000	Italy - Sicily Strait east of 13~E	35.2300	13.0000	37.4800	15.1600
Monte_Mario_To_WGS_1984_11	1094	10.000	Italy - Sicily Strait west of 13~E	35.2900	10.6900	38.4400	13.0000
Monte_Mario_To_WGS_1984_2	1662	4.000	Italy - Sardinia onshore	38.8300	8.0800	41.3000	9.8900
Monte_Mario_To_WGS_1984_3	1664	4.000	Italy - Sicily onshore	36.6000	12.3700	38.3500	15.7000
Monte_Mario_To_WGS_1984_4	1660	4.000	Italy - mainland	37.8700	6.6200	47.0900	18.5800

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
Monte_Mario_To_WGS_1984_5	1088	10.000	Italy - Adriatic - North Ancona	43.6300	12.2300	45.7300	13.9600
Monte_Mario_To_WGS_1984_6	1089	10.000	Italy - Adriatic - South Ancona / North Gargano	41.9500	13.6100	44.0400	16.1300
Monte_Mario_To_WGS_1984_7	1090	10.000	Italy - Adriatic - South Gargano	40.7300	15.9600	42.2800	18.6300
Monte_Mario_To_WGS_1984_8	1091	10.000	Italy - Otranto channel	39.7800	17.9600	41.0200	18.9900
Monte_Mario_To_WGS_1984_9	1092	10.000	Italy - north Ionian Sea	37.6800	16.5500	40.4700	18.9300
Montserrat_1958_To_WGS_1984	1444	44.000	Montserrat - onshore	16.6200	-62.2900	16.8600	-62.0900
Moorea_1987_To_RGPF_1	15757	0.500	French Polynesia - Society Islands - Moorea	-17.6100	-149.9600	-17.4500	-149.6900
Moorea_1987_To_WGS_1984_1	15769	1.000	French Polynesia - Society Islands - Moorea	-17.6100	-149.9600	-17.4500	-149.6900
MOP78_To_WGS_1984_1	1925	10.000	Wallis and Futuna - Wallis	-14.0000	-177.0000	-13.0000	-176.0000
MOP78_To_WGS_1984_2	15847	10.000	Wallis and Futuna - Wallis	-14.0000	-177.0000	-13.0000	-176.0000
Moznet_To_WGS_1984	1302	1.000	Mozambique	-26.8800	30.2300	-9.5600	43.0000
Mporaloko_To_WGS_1984	1163	44.000	Gabon	-6.3900	5.9100	2.3300	14.5500
Mporaloko_To_WGS_1984_2	1532	0.500	Gabon	-6.3900	5.9100	2.3300	14.5500
NAD_1927_CGQ77_To_NAD_1983_2	1575	1.500	Canada - Quebec	44.9900	-79.8500	62.6100	-57.1100
NAD_1927_CGQ77_To_NAD_1983_CSRS	1845	1.500	Canada - Quebec	44.9900	-79.8500	62.6100	-57.1100
NAD_1927_CGQ77_To_WGS_1984_3	1691	1.000	Canada - Quebec	44.9900	-79.8500	62.6100	-57.1100
NAD_1927_DEF_1976_To_NAD_1983_NTv2_Ontario	1463	1.000	Canada - Ontario	41.6800	-95.1600	56.8900	-74.3600
NAD_1927_DEF_1976_To_WGS_1984_1	1690	1.000	Canada - Ontario	41.6800	-95.1600	56.8900	-74.3600
NAD_1927_To_NAD_1983_6	1573	1.500	Canada - Quebec	44.9900	-79.8500	62.6100	-57.1100
NAD_1927_To_NAD_1983_Alaska	1243	0.500	USA - Alaska including EEZ	47.8800	167.6500	74.7100	-129.9900
NAD_1927_To_NAD_1983_CSRS_1	1844	1.500	Canada - Quebec	44.9900	-79.8500	62.6100	-57.1100
NAD_1927_To_NAD_1983_CSRS_2	1847	1.500	Canada - Saskatchewan	49.0000	-110.0000	60.0000	-101.3500
NAD_1927_To_NAD_1983_NADCON	1241	0.150	USA - CONUS including EEZ	23.8200	-129.1600	49.3800	-65.7000
NAD_1927_To_NAD_1983_NTv2_Canada	1313	1.500	Canada	40.0400	-141.0000	86.4500	-47.7400
NAD_1927_To_NAD_1983_PR_VI	108003	0.050	Caribbean - Puerto Rico and Virgin Islands - onshore	17.6300	-67.9600	18.7700	-64.2500
NAD_1927_To_WGS_1984_1	1170	16.000	Caribbean - central (DMA tfm)	13.0000	-85.0100	23.2400	-59.3800
NAD_1927_To_WGS_1984_10	1179	13.000	Canada - Alberta and British Columbia	48.2500	-139.0400	60.0000	-109.9800
NAD_1927_To_WGS_1984_11	1180	12.000	Canada - Manitoba and Ontario	41.6800	-102.0000	60.0000	-74.3600
NAD_1927_To_WGS_1984_12	1181	9.000	Canada - eastern provinces	43.4200	-79.8500	62.6100	-52.5400
NAD_1927_To_WGS_1984_13	1182	8.000	Canada - NWT; Nunavut; Saskatchewan	49.0000	-136.4500	83.1600	-60.7300
NAD_1927_To_WGS_1984_14	1183	10.000	Canada - Yukon	60.0000	-141.0000	69.7000	-123.9100
NAD_1927_To_WGS_1984_15	1184	35.000	Panama - Canal Zone	8.8200	-80.0600	9.4400	-79.4700
NAD_1927_To_WGS_1984_16	1185	44.000	Cuba - onshore	19.7700	-85.0100	23.2400	-74.0800
NAD_1927_To_WGS_1984_17	1186	44.000	Greenland - Hayes Peninsula	75.8600	-73.2800	79.1900	-60.9900

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
NAD_1927_To_WGS_1984_18	1187	12.000	Mexico - onshore	14.5200	-118.4600	32.7200	-86.6900
NAD_1927_To_WGS_1984_2	1171	10.000	Central America - Belize to Costa Rica	7.9800	-92.2900	18.4900	-82.5300
NAD_1927_To_WGS_1984_21	1249	15.000	USA - Alaska - Aleutian Islands east of 180~E	51.5400	-178.3000	54.3400	-164.8400
NAD_1927_To_WGS_1984_22	1250	18.000	USA - Alaska - Aleutian Islands west of 180~W	51.3000	172.4300	53.0600	179.8500
NAD_1927_To_WGS_1984_3	1172	20.000	Canada	40.0400	-141.0000	86.4500	-47.7400
NAD_1927_To_WGS_1984_30	1530	3.000	Cuba	18.8300	-87.0100	25.5000	-73.5700
NAD_1927_To_WGS_1984_32	1703	1.000	Canada - Saskatchewan	49.0000	-110.0000	60.0000	-101.3500
NAD_1927_To_WGS_1984_33	1693	1.000	Canada	40.0400	-141.0000	86.4500	-47.7400
NAD_1927_To_WGS_1984_34	1692	1.000	Canada - Quebec	44.9900	-79.8500	62.6100	-57.1100
NAD_1927_To_WGS_1984_4	1173	10.000	USA - CONUS - onshore	24.4100	-124.7900	49.3800	-66.9200
NAD_1927_To_WGS_1984_5	1174	11.000	USA - CONUS east of Mississippi River - onshore	24.9000	-97.2300	49.3700	-66.9200
NAD_1927_To_WGS_1984_6	1175	7.000	USA - CONUS west of Mississippi River - onshore	25.8400	-124.7900	49.0500	-89.6500
NAD_1927_To_WGS_1984_7	1176	12.000	USA - Alaska mainland	54.3500	-168.2500	71.4000	-129.9900
NAD_1927_To_WGS_1984_79_CONUS	15851	5.000	USA - CONUS including EEZ	23.8200	-129.1600	49.3800	-65.7000
NAD_1927_To_WGS_1984_8	1177	8.000	Bahamas - main islands onshore	20.8700	-79.0300	27.2900	-72.6900
NAD_1927_To_WGS_1984_80	15852	5.000	USA - GoM - east of 87.25~W	23.8200	-87.2500	30.2500	-81.1700
NAD_1927_To_WGS_1984_81	15853	5.000	USA - GoM - 95~W to 87.25~W	25.6200	-95.0000	30.2300	-87.2500
NAD_1927_To_WGS_1984_82	15854	5.000	USA - GoM - west of 95~W	25.9800	-97.2100	28.9600	-95.0000
NAD_1927_To_WGS_1984_83	15855	5.000	Mexico - offshore GoM - Tampico area	21.5100	-98.1000	22.7500	-96.8900
NAD_1927_To_WGS_1984_84	15856	8.000	USA - GoM OCS	23.8200	-97.2100	30.2500	-81.1700
NAD_1927_To_WGS_1984_85	15864	5.000	USA - Alaska including EEZ	47.8800	167.6500	74.7100	-129.9900
NAD_1927_To_WGS_1984_86	15913	5.000	Mexico - offshore GoM - Campeche area N	20.8800	-94.3200	23.0000	-88.6800
NAD_1927_To_WGS_1984_87	15699	5.000	Mexico - offshore GoM - Campeche area S	17.8500	-94.7900	20.8900	-89.7600
NAD_1927_To_WGS_1984_88	15978	1.000	Cuba	18.8300	-87.0100	25.5000	-73.5700
NAD_1927_To_WGS_1984_9	1178	44.000	Bahamas (San Salvador Island) - onshore	23.9100	-74.6000	24.1900	-74.3700
NAD_1983_CORS96_To_NAD_1983_2011	108357	0.100	USA (all states)	15.5600	167.6500	74.7100	-65.7000
NAD_1983_CORS96_To_NAD_1983_HARN	108148	0.100	USA (all states)	15.5600	167.6500	74.7100	-65.7000
NAD_1983_CORS96_To_NAD_1983_NSRS2007	108149	0.100	USA (all states)	15.5600	167.6500	74.7100	-65.7000
NAD_1983_CSRS_To_WGS_1984	1473	999.000	Canada - CSRS98	44.6100	-120.0000	62.5600	-57.1000
NAD_1983_CSRS_To_WGS_1984_1	1842	1.000	Canada	40.0400	-141.0000	86.4500	-47.7400
NAD_1983_CSRS_To_WGS_1984_2	1946	0.100	Canada	40.0400	-141.0000	86.4500	-47.7400
NAD_1983_HARN_MARP00_To_WGS_1984	108018	0.100	Pacific Ocean	-78.8000	99.3000	65.6000	-70.0000
NAD_1983_HARN_PACP00_MARP00_To_WGS_1984	108307	999.000	Pacific Ocean	-78.8000	99.3000	65.6000	-70.0000

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
NAD_1983_HARN_PACP00_To_WGS_1984	108017	0.100	Pacific Ocean	-78.8000	99.3000	65.6000	-70.0000
NAD_1983_HARN_To_NAD_1983_2011	108355	0.100	USA (all states)	15.5600	167.6500	74.7100	-65.7000
NAD_1983_HARN_To_NAD_1983_NSRS2007_1	4461	0.100	USA - CONUS - onshore	24.4100	-124.7900	49.3800	-66.9200
NAD_1983_HARN_To_WGS_1984	1580	1.000	USA - HARN	-14.5800	144.5800	49.3800	-64.5100
NAD_1983_HARN_To_WGS_1984_2	1900	0.100	USA - CONUS - onshore	24.4100	-124.7900	49.3800	-66.9200
NAD_1983_HARN_To_WGS_1984_3	1901	0.100	USA - CONUS - onshore	24.4100	-124.7900	49.3800	-66.9200
NAD_1983_HARN_To_WGS_1984_Saipan	108300	999.000	Northern Marianas - Saipan	14.7500	145.0000	15.5000	146.0000
NAD_1983_NSRS2007_To_NAD_1983_2011	108356	0.100	USA (all states)	15.5600	167.6500	74.7100	-65.7000
NAD_1983_NSRS2007_To_WGS_1984_1	15931	1.000	USA - CONUS and Alaska; PRVI	14.9300	167.6500	74.7100	-63.8900
NAD_1983_To_HARN_Alabama	1474	0.050	USA - Alabama	30.1400	-88.4700	35.0200	-84.8900
NAD_1983_To_HARN_Arizona	1475	0.050	USA - Arizona	31.3300	-114.8100	37.0000	-109.0500
NAD_1983_To_HARN_Arkansas	1704	0.050	USA - Arkansas	33.0000	-94.6300	36.4900	-89.6500
NAD_1983_To_HARN_CA_N	1476	0.050	USA - California - north of 36.5~N	36.5000	-124.4400	42.0000	-116.5500
NAD_1983_To_HARN_CA_S	1477	0.050	USA - California - south of 36.5~N	32.5300	-121.9800	36.5000	-114.1300
NAD_1983_To_HARN_Colorado	1478	0.050	USA - Colorado	37.0000	-109.0500	41.0000	-102.0500
NAD_1983_To_HARN_East_MT_ID	1481	0.050	USA - Idaho and Montana - east of 113~W	42.0000	-113.0000	49.0000	-104.0400
NAD_1983_To_HARN_East_Texas	1498	0.050	USA - Texas east of 100~W	25.8300	-100.0000	34.5900	-93.5100
NAD_1983_To_HARN_Florida	1480	0.050	USA - Florida	24.4100	-87.6300	31.0000	-79.9700
NAD_1983_To_HARN_Georgia	1479	0.050	USA - Georgia	30.3600	-85.6100	35.0000	-80.7800
NAD_1983_To_HARN_Hawaii	1520	0.050	USA - Hawaii - onshore	18.8800	-160.3000	22.2900	-154.7500
NAD_1983_To_HARN_Illinois	1553	0.050	USA - Illinois	36.9900	-91.5200	42.5100	-87.0200
NAD_1983_To_HARN_Indiana	1521	0.050	USA - Indiana	37.7700	-88.0900	41.7500	-84.8100
NAD_1983_To_HARN_Iowa	1705	0.050	USA - Iowa	40.3700	-96.6400	43.5100	-90.1300
NAD_1983_To_HARN_Kansas	1522	0.050	USA - Kansas	36.9900	-102.0500	40.0000	-94.5900
NAD_1983_To_HARN_Kentucky	1483	0.050	USA - Kentucky	36.5000	-89.5600	39.1400	-81.9600
NAD_1983_To_HARN_Louisiana	1484	0.050	USA - Louisiana	28.8500	-94.0400	33.0200	-88.7600
NAD_1983_To_HARN_Maine	1486	0.050	USA - Maine	43.0400	-71.0900	47.4700	-66.9200
NAD_1983_To_HARN_MD_DE	1485	0.050	USA - Delaware and Maryland	37.9800	-79.4900	39.8400	-74.9700
NAD_1983_To_HARN_Michigan	1487	0.050	USA - Michigan	41.7000	-90.4100	48.3000	-82.1200
NAD_1983_To_HARN_Minnesota	1706	0.050	USA - Minnesota	43.5000	-97.2400	49.3900	-89.4700
NAD_1983_To_HARN_Mississippi	1488	0.050	USA - Mississippi	30.0200	-91.6400	35.0000	-88.0900
NAD_1983_To_HARN_Missouri	1707	0.050	USA - Missouri	36.0000	-95.7800	40.6100	-89.1000
NAD_1983_To_HARN_Montana_Idaho	108298	0.050	USA - Idaho and Montana	41.0000	-119.0000	50.0000	-104.0000
NAD_1983_To_HARN_Nebraska	1489	0.050	USA - Nebraska	40.0000	-104.0600	43.0000	-95.3200
NAD_1983_To_HARN_Nevada	1523	0.050	USA - Nevada	35.0000	-120.0000	42.0000	-114.0500
NAD_1983_To_HARN_New_England	1490	0.050	USA - New England - south	40.9900	-73.7300	45.3000	-69.8600

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
			(CT, MA, NH, RI, VT)				
NAD_1983_To_HARN_New_Jersey	1554	0.050	USA - New Jersey	38.8700	-75.6000	41.3500	-73.8900
NAD_1983_To_HARN_New_Mexico	1491	0.050	USA - New Mexico	31.3300	-109.0500	37.0000	-103.0000
NAD_1983_To_HARN_New_York	1492	0.050	USA - New York	40.5300	-79.7600	45.0200	-71.8000
NAD_1983_To_HARN_North_Carolina	15834	0.050	USA - North Carolina	33.8300	-84.3200	36.5900	-75.3900
NAD_1983_To_HARN_North_Dakota	1493	0.050	USA - North Dakota	45.9300	-104.0500	49.0000	-96.5700
NAD_1983_To_HARN_Ohio	1524	0.050	USA - Ohio	38.4000	-84.8100	42.3200	-80.5200
NAD_1983_To_HARN_Oklahoma	1494	0.050	USA - Oklahoma	33.6100	-103.0000	37.0100	-94.4300
NAD_1983_To_HARN_OR_WA	108291	0.050	USA - Oregon and Washington	41.9900	-124.7900	49.0500	-116.4700
NAD_1983_To_HARN_Pennsylvania	15838	0.050	USA - Pennsylvania	39.7100	-80.5200	42.5100	-74.6900
NAD_1983_To_HARN_PR_VI	1495	0.050	Caribbean - Puerto Rico and US Virgin Islands - onshore	17.6300	-67.9600	18.5700	-64.5100
NAD_1983_To_HARN_South_Carolina	15836	0.050	USA - South Carolina	32.0500	-83.3500	35.2100	-78.5300
NAD_1983_To_HARN_South_Dakota	1496	0.050	USA - South Dakota	42.4900	-104.0700	45.9400	-96.4600
NAD_1983_To_HARN_Tennessee	1497	0.050	USA - Tennessee	35.0000	-90.3200	36.6800	-81.6600
NAD_1983_To_HARN_Utah	1525	0.050	USA - Utah	37.0000	-114.0500	42.0000	-109.0500
NAD_1983_To_HARN_Virginia	1500	0.050	USA - Virginia	36.5400	-83.6800	39.4600	-75.3200
NAD_1983_To_HARN_WA_OR	1501	0.050	USA - Oregon and Washington	41.9900	-124.7900	49.0500	-116.4700
NAD_1983_To_HARN_West_MT_ID	1482	0.050	USA - Idaho and Montana - west of 113~W	42.0000	-117.2400	49.0000	-113.0000
NAD_1983_To_HARN_West_Texas	1499	0.050	USA - Texas west of 100~W	28.0400	-106.6500	36.4900	-100.0000
NAD_1983_To_HARN_West_Virginia	1526	0.050	USA - West Virginia	37.2000	-82.6500	40.6300	-77.7300
NAD_1983_To_HARN_Wisconsin	1502	0.050	USA - Wisconsin	42.4900	-92.8800	47.2900	-86.2500
NAD_1983_To_HARN_Wyoming	1503	0.050	USA - Wyoming	41.0000	-111.0500	45.0000	-104.0500
NAD_1983_To_NAD_1983_CSRS_1	1843	1.500	Canada - Quebec	44.9900	-79.8500	62.6100	-57.1100
NAD_1983_To_NAD_1983_CSRS_2	1848	1.500	Canada - Saskatchewan	49.0000	-110.0000	60.0000	-101.3500
NAD_1983_To_NAD_1983_CSRS_3	1849	1.500	Canada - Alberta	49.0000	-120.0000	60.0000	-110.0000
NAD_1983_To_NAD_1983_CSRS_4	1950	2.000	Canada - Atlantic offshore	40.0400	-67.7400	64.2100	-47.7400
NAD_1983_To_WGS_1984_1	1188	4.000	USA (all states)	15.5600	167.6500	74.7100	-65.7000
NAD_1983_To_WGS_1984_2	1251	8.000	USA - Alaska - Aleutian Islands	51.3000	172.4300	54.3400	-164.8400
NAD_1983_To_WGS_1984_3	1252	4.000	USA - Hawaii - main islands	15.5600	-163.7400	25.5800	-151.2800
NAD_1983_To_WGS_1984_4	1308	2.000	USA - CONUS - onshore	24.4100	-124.7900	49.3800	-66.9200
NAD_1983_To_WGS_1984_5	1515	1.000	USA - CONUS - onshore	24.4100	-124.7900	49.3800	-66.9200
NAD_1983_To_WGS_1984_6	1696	1.000	Canada - Quebec	44.9900	-79.8500	62.6100	-57.1100
NAD_1983_To_WGS_1984_7	1697	1.000	Canada - Saskatchewan	49.0000	-110.0000	60.0000	-101.3500
NAD_1983_To_WGS_1984_8	1702	1.000	Canada - Alberta	49.0000	-120.0000	60.0000	-110.0000
Nahrwan_1967_To_WGS_1984_1	1189	44.000	Oman - Masirah Island	20.0000	58.5000	20.9000	59.5000
Nahrwan_1967_To_WGS_1984_10	15953	5.000	UAE - Dubai municipality	25.0000	55.1000	25.4000	55.4000
Nahrwan_1967_To_WGS_1984_2	1190	35.000	Saudi Arabia - onshore Gulf coast	16.2700	34.6000	32.2600	55.7000
Nahrwan_1967_To_WGS_1984_3	1191	44.000	UAE	22.6400	51.5700	26.2900	57.0300

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
Nahrwan_1967_To_WGS_1984_4	1531	0.500	UAE - Abu al Bu Khoosh	25.3300	53.0000	25.5000	53.3300
Nahrwan_1967_To_WGS_1984_5	1536	1.000	Qatar - offshore	24.6000	50.6100	27.0300	53.0700
Nahrwan_1967_To_WGS_1984_6	15871	5.000	Iraq - onshore	29.0600	38.8200	37.4100	49.4000
Nahrwan_1967_To_WGS_1984_7	15937	2.000	UAE - Abu Dhabi - offshore	24.0000	52.5000	26.0000	54.5000
Nahrwan_1967_To_WGS_1984_8	15938	5.000	UAE - Abu Dhabi - offshore	24.0000	52.5000	26.0000	54.5000
Nahrwan_1967_To_WGS_1984_9	15952	5.000	UAE - Dubai - offshore fields	25.2500	54.0000	25.7500	54.5000
Nakhl-e_Ghanem_To_WGS_1984_6	15746	0.200	Iran - Tombak LNG plant	27.7000	52.1000	27.8000	52.2500
Naparima_1955_To_WGS_1984_2	1555	1.000	Trinidad and Tobago - Trinidad - onshore	9.9900	-61.9700	10.8900	-60.8600
Naparima_1955_To_WGS_1984_3	1556	26.000	Trinidad and Tobago - Trinidad - onshore	9.9900	-61.9700	10.8900	-60.8600
Naparima_1972_To_WGS_1984	1192	33.000	Trinidad and Tobago - Tobago - onshore	11.0900	-60.8900	11.4000	-60.4700
Naparima_1972_To_WGS_1984_2	8212	1.000	Trinidad and Tobago - Trinidad - onshore	9.9900	-61.9700	10.8900	-60.8600
Naparima_1972_To_WGS_1984_3	1307	26.000	Trinidad and Tobago - Tobago - onshore	11.0900	-60.8900	11.4000	-60.4700
NEA74_Noumea_To_RGNC_1991-93_1	15886	1.000	New Caledonia - Grande Terre - Noumea	-22.3500	166.3000	-22.1000	166.5000
NEA74_Noumea_To_RGNC_1991-93_2	15889	0.100	New Caledonia - Grande Terre - Noumea	-22.3500	166.3000	-22.1000	166.5000
NEA74_Noumea_To_WGS_1984_1	1932	1.000	New Caledonia - Grande Terre - Noumea	-22.3500	166.3000	-22.1000	166.5000
NEA74_Noumea_To_WGS_1984_2	15904	1.000	New Caledonia - Grande Terre - Noumea	-22.3500	166.3000	-22.1000	166.5000
Nepal_Nagarkot_TO_WGS_1984_1	108015	10.000	Nepal	26.3600	80.1000	30.4600	88.2500
Nepal_Nagarkot_TO_WGS_1984_2	108016	5.000	Nepal	26.3600	80.1000	30.4600	88.2500
New_Zealand_1949_To_NZGD_2000_1_3PAR	1566	5.000	New Zealand - onshore and nearshore	-47.4000	166.3300	-34.0000	178.6000
New_Zealand_1949_To_NZGD_2000_2_7PAR	1701	4.000	New Zealand - onshore and nearshore	-47.4000	166.3300	-34.0000	178.6000
New_Zealand_1949_To_NZGD_2000_3_NTv2	1568	0.200	New Zealand - onshore and nearshore	-47.4000	166.3300	-34.0000	178.6000
NGN_To_WGS_1984_1	1060	1.000	Kuwait - onshore	28.5600	46.5700	30.1000	48.4500
NGO_1948_Oslo_To_ETRS_1989_1	108146	3.000	Norway - onshore	57.9400	4.6900	71.2000	31.2200
NGO_1948_Oslo_To_NGO_1948	1762	0.000	Norway - onshore	57.9400	4.6900	71.2000	31.2200
NGO_1948_Oslo_To_WGS_1984	108145	5.000	Norway - onshore	57.9400	4.6900	71.2000	31.2200
NGO_1948_Oslo_To_WGS_1984_1	108147	3.000	Norway - onshore	57.9400	4.6900	71.2000	31.2200
NGO_1948_To_ETRS_1989_1	1653	3.000	Norway - onshore	57.9400	4.6900	71.2000	31.2200
NGO_1948_To_WGS_1984	108201	5.000	Norway - onshore	57.9400	4.6900	71.2000	31.2200
NGO_1948_To_WGS_1984_1	1654	3.000	Norway - onshore	57.9400	4.6900	71.2000	31.2200

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
Nord_Sahara_1959_Paris_To_Nord_Sahara_1959	1882	0.000	Algeria	18.9800	-8.6700	37.0900	11.9900
Nord_Sahara_1959_To_WGS_1972_BE	1560	8.000	Algeria - Hassi Messaoud	31.5000	5.5000	32.0000	6.5000
Nord_Sahara_1959_To_WGS_1984	1253	44.000	Algeria - onshore	18.9800	-8.6700	37.0000	11.9900
Nord_Sahara_1959_To_WGS_1984_2	1255	44.000	Algeria - north of 32~N	32.0000	-2.9200	37.0900	9.0900
Nord_Sahara_1959_To_WGS_1984_3	8562	10.000	Algeria - Hassi Messaoud	31.5000	5.5000	32.0000	6.5000
Nord_Sahara_1959_To_WGS_1984_4	1815	5.000	Algeria - District 3	25.0000	1.5000	32.0000	3.2500
Nord_Sahara_1959_To_WGS_1984_5	1816	100.000	Algeria - In Amenas	27.5000	9.0000	28.2500	9.7000
Nord_Sahara_1959_To_WGS_1984_6	1817	100.000	Algeria - Hassi Bir Reikaz	31.3000	6.8000	31.5000	7.2000
Nord_Sahara_1959_To_WGS_1984_7	15874	5.000	Algeria - Hassi Mouina licence area	29.2500	0.0000	31.0000	1.5200
Nouakchott_1965_To_WGS_1984_1	15709	5.000	Mauritania - Nouakchutt	17.8000	-16.6700	18.3000	-15.7500
NTF_Paris_To_ED_1950	8186	2.000	France - onshore - mainland and Corsica	41.3100	-4.8700	51.1400	9.6300
NTF_Paris_To_NTF	1764	0.000	France - onshore - mainland and Corsica	41.3100	-4.8700	51.1400	9.6300
NTF_Paris_To_RGF_1993_1	108102	2.000	France	41.1500	-9.8600	51.5600	10.3800
NTF_Paris_To_WGS_1972	8188	2.000	France - onshore - mainland and Corsica	41.3100	-4.8700	51.1400	9.6300
NTF_Paris_To_WGS_1984	8094	3.000	France - onshore - mainland and Corsica	41.3100	-4.8700	51.1400	9.6300
NTF_To_ED_1950	1276	2.000	France - onshore - mainland and Corsica	41.3100	-4.8700	51.1400	9.6300
NTF_To_ETRS_1989_1	1651	2.000	France - onshore - mainland and Corsica	41.3100	-4.8700	51.1400	9.6300
NTF_To_RGF_1993_1	108130	2.000	France	41.1500	-9.8600	51.5600	10.3800
NTF_To_WGS_1972	1277	2.000	France - onshore - mainland and Corsica	41.3100	-4.8700	51.1400	9.6300
NTF_To_WGS_1984	1193	2.000	France - onshore - mainland and Corsica	41.3100	-4.8700	51.1400	9.6300
NZGD_1949_To_WGS_1984	1151	8.000	New Zealand - onshore and nearshore	-47.4000	166.3300	-34.0000	178.6000
NZGD_1949_To_WGS_1984_2	1564	4.000	New Zealand - onshore and nearshore	-47.4000	166.3300	-34.0000	178.6000
NZGD_1949_To_WGS_1984_3_NTv2	1670	1.000	New Zealand - onshore and nearshore	-47.4000	166.3300	-34.0000	178.6000
NZGD_1949_To_WGS_1984_4	15975	5.000	New Zealand - onshore and nearshore	-47.4000	166.3300	-34.0000	178.6000
NZGD_2000_To_WGS_1984_1	1565	1.000	New Zealand	-55.9500	157.4100	-22.7400	-170.8900
Observatorio_Meteorologico_1939_To_PTRA08_1_3par	108344	0.060	Portugal - Azores W - onshore	39.3000	-31.3400	39.7600	-31.0200
Observatorio_Meteorologico_1939_To_PTRA08_1_7par	108341	0.030	Portugal - Azores W - onshore	39.3000	-31.3400	39.7600	-31.0200
Observatorio_Meteorologico_1939_To_PTRA08_2_3par	108345	0.056	Azores - Flores Island	39.3500	-31.3000	39.5000	-31.1000
Observatorio_Meteorologico_1939_To_PTRA08_2_7par	108342	0.020	Azores - Flores Island	39.3500	-31.3000	39.5000	-31.1000

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
Observatorio_Meteorologico_1939_To_PTRA08_3_3par	108346	0.064	Azores - Corvo Island	39.5000	-31.2000	39.7500	-31.0000
Observatorio_Meteorologico_1939_To_PTRA08_3_7par	108343	0.070	Azores - Corvo Island	39.5000	-31.2000	39.7500	-31.0000
Observatorio_Meteorologico_1939_To_WGS_1984_1	108116	5.000	Portugal - Azores W - onshore	39.3000	-31.3400	39.7600	-31.0200
Observatorio_Meteorologico_1939_To_WGS_1984_1_3par	108350	0.100	Portugal - Azores W - onshore	39.3000	-31.3400	39.7600	-31.0200
Observatorio_Meteorologico_1939_To_WGS_1984_1_7par	108347	0.060	Portugal - Azores W - onshore	39.3000	-31.3400	39.7600	-31.0200
Observatorio_Meteorologico_1939_To_WGS_1984_2_3par	108351	0.080	Azores - Flores Island	39.3500	-31.3000	39.5000	-31.1000
Observatorio_Meteorologico_1939_To_WGS_1984_2_7par	108348	0.050	Azores - Flores Island	39.3500	-31.3000	39.5000	-31.1000
Observatorio_Meteorologico_1939_To_WGS_1984_3_3par	108352	0.085	Azores - Corvo Island	39.5000	-31.2000	39.7500	-31.0000
Observatorio_Meteorologico_1939_To_WGS_1984_3_7par	108349	0.100	Azores - Corvo Island	39.5000	-31.2000	39.7500	-31.0000
Observatorio_Meteorologico_1965_To_WGS_1984_2	108234	999.000	China - Macao	22.0900	113.5900	22.3100	113.6900
Ocotepeque_1935_To_CR05	108200	1.000	Costa Rica	2.1500	-90.4400	11.7700	-81.4300
Ocotepeque_1935_To_WGS_1984_3PAR	108284	999.000	Costa Rica	2.1500	-90.4400	11.7700	-81.4300
Ocotepeque_1935_To_WGS_1984_RN	108283	999.000	Costa Rica	2.1500	-90.4400	11.7700	-81.4300
Old_Hawaiian_Intl_1924_To_WGS_1984_Hawaii	108331	44.000	USA - Hawaii - island of Hawaii - onshore	18.8800	-156.1000	20.3300	-154.7500
Old_Hawaiian_Intl_1924_To_WGS_1984_Kauai	108332	35.000	USA - Hawaii - Kauai - onshore	21.8200	-159.8400	22.2900	-159.2400
Old_Hawaiian_Intl_1924_To_WGS_1984_Maui	108333	44.000	USA - Hawaii - Maui; Kahoolawe; Lanai; Molokai - onshore	20.4600	-157.3500	21.2600	-155.9400
Old_Hawaiian_Intl_1924_To_WGS_1984_Mean	108330	38.000	USA - Hawaii - onshore	18.8800	-160.3000	22.2900	-154.7500
Old_Hawaiian_Intl_1924_To_WGS_1984_Oahu	108334	14.000	USA - Hawaii - Oahu - onshore	21.2100	-158.3200	21.7500	-157.6200
Old_Hawaiian_To_NAD_1983	1454	0.200	USA - Hawaii - onshore	18.8800	-160.3000	22.2900	-154.7500
Old_Hawaiian_To_NAD_1983_HARN_Hawaii	108306	0.050	USA - Hawaii - onshore	18.8800	-160.3000	22.2900	-154.7500
Old_Hawaiian_To_WGS_1984_1	15824	38.000	USA - Hawaii - onshore	18.8800	-160.3000	22.2900	-154.7500
Old_Hawaiian_To_WGS_1984_2	15825	44.000	USA - Hawaii - island of Hawaii - onshore	18.8800	-156.1000	20.3300	-154.7500
Old_Hawaiian_To_WGS_1984_3	15826	35.000	USA - Hawaii - Kauai - onshore	21.8200	-159.8400	22.2900	-159.2400
Old_Hawaiian_To_WGS_1984_4	15827	44.000	USA - Hawaii - Maui; Kahoolawe; Lanai; Molokai - onshore	20.4600	-157.3500	21.2600	-155.9400
Old_Hawaiian_To_WGS_1984_5	15828	14.000	USA - Hawaii - Oahu - onshore	21.2100	-158.3200	21.7500	-157.6200
Old_Hawaiian_To_WGS_1984_8	15840	2.000	USA - Hawaii - onshore	18.8800	-160.3000	22.2900	-154.7500
OSGB_1936_To_ED_1950_UKOOA	1315	2.000	UK - Great Britain; Isle of Man	49.8100	-8.7300	60.8900	1.8300
OSGB_1936_To_ETRS_1989_1	5338	0.030	UK - Great Britain; Isle of Man	49.8100	-8.7300	60.8900	1.8300
OSGB_1936_To_WGS_1984_1	1195	21.000	UK - Great Britain; Isle of Man	49.8100	-8.7300	60.8900	1.8300
OSGB_1936_To_WGS_1984_2	1196	10.000	UK - England	49.8100	-6.4900	55.8500	1.8300
OSGB_1936_To_WGS_1984_3	1197	21.000	UK - England and Wales, Isle of Man	49.8100	-6.4900	55.8500	1.8300
OSGB_1936_To_WGS_1984_4	1198	18.000	UK - Scotland	54.3900	-7.8500	60.8900	-0.6600
OSGB_1936_To_WGS_1984_5	1199	35.000	UK - Wales	51.2800	-5.3400	53.4300	-2.6600

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
OSGB_1936_To_WGS_1984_7	5339	1.000	UK - Great Britain; Isle of Man	49.8100	-8.7300	60.8900	1.8300
OSGB_1936_To_WGS_1984_8	5622	3.000	UK - Wytch Farm	50.5400	-2.1900	50.8000	-1.6900
OSGB_1936_To_WGS_1984_NGA_7PAR	108336	21.000	UK - Great Britain; Isle of Man	49.8100	-8.7300	60.8900	1.8300
OSGB_1936_To_WGS_1984_Petroleum	1314	2.000	UK - Great Britain; Isle of Man	49.8100	-8.7300	60.8900	1.8300
OSNI_1952_To_WGS_1984_1	1955	1.000	UK - Northern Ireland - onshore	53.9600	-8.1700	55.3500	-5.3500
Padang_1884_Jakarta_To_Padang_1884	1758	0.000	Indonesia - Sumatra	-6.5000	95.0000	6.0000	108.5500
Palestine_1923_To_Israel_1	1071	1.500	Israel	29.5100	33.4700	33.9800	35.6900
Palestine_1923_To_WGS_1984_1	1074	2.000	Israel	29.5100	33.4700	33.9800	35.6900
Palestine_1923_To_WGS_1984_1X	108220	1.500	Israel	29.5100	33.4700	33.9800	35.6900
Palestine_1923_To_WGS_1984_2	8650	3.500	Asia - Middle East - Israel and Palestine Territory onshore	29.4900	34.2200	33.2700	35.6800
Palestine_1923_To_WGS_1984_2X	108232	999.000	Palestine Territory	31.2000	34.2000	32.5500	35.5700
Pampa_del_Castillo_To_WGS_1984_1	15845	25.000	Argentina - Comodoro Rivadavia	-46.7000	-69.5000	-45.2000	-67.1000
PD/83_To_ETRS_1989_1	15867	0.100	Germany - Thuringen	50.2000	9.9200	51.6400	12.5600
PD/83_To_WGS_1984_1_NTv2	15955	1.000	Germany - Thuringen	50.2000	9.9200	51.6400	12.5600
PDO_1993_To_WGS_1972	1616	1.200	Oman - onshore	16.6000	51.9000	26.4000	59.8900
PDO_1993_To_WGS_1984	1439	0.500	Oman - onshore	16.6000	51.9000	26.4000	59.8900
PDO_1993_To_WGS_1984_3	1617	0.500	Oman - block 4	19.5800	56.5000	21.1700	59.0200
Peru96_To_WGS_1984_1	5378	1.000	Peru	-21.0500	-84.6700	-0.0400	-68.6700
Petrels_1972_To_WGS_1984_1	1921	10.000	Antarctica - Adelie Land - Petrels island	-66.9000	139.5000	-66.5000	140.5000
Pico_de_Las_Nieves_To_WGS_1984	15815	44.000	Spain - Canary Islands onshore	27.5900	-18.2200	29.2900	-13.3700
Pitcairn_1967_To_WGS_1984	15819	44.000	Pitcairn - Pitcairn Island	-25.1600	-130.1800	-25.0000	-129.9900
Pitcairn_2006_To_WGS_1984_1	15972	1.000	Pitcairn - Pitcairn Island	-25.1600	-130.1800	-25.0000	-129.9900
PNG94_To_WGS_1984_1	5553	10.000	Papua New Guinea (PNG)	-12.0100	140.9300	2.6000	164.1000
Pohnpei_To_NAD_1983	108133	999.000	Micronesia	0.0000	136.6600	12.7600	168.4300
Pohnpei_To_WGS_1984	108303	999.000	Micronesia	0.0000	136.6600	12.7600	168.4300
Point58_To_WGS_1984_1	1880	44.000	Africa - Burkina Faso and SW Niger	9.4000	-5.5200	15.7100	4.6300
Pointe_Geologie_Perroud_1950_To_WGS_1984_1	1922	10.000	Antarctica - Adelie Land	-68.0000	135.0000	-66.0000	142.0000
Pointe_Noire_To_WGS_1984	1200	44.000	Congo	-7.1300	8.8700	3.7200	18.6500
Pointe_Noire_To_WGS_1984_2	1801	4.000	Congo - coastal area and offshore	-5.5000	11.0000	-4.0000	12.0000
Pointe_Noire_To_WGS_1984_3	1802	0.150	Congo - coastal area and offshore	-5.5000	11.0000	-4.0000	12.0000
Porto_Santo_1936_To_PTRA08_1_3par	108163	0.300	Portugal - Madeira archipelago onshore	32.3600	-17.3000	33.1400	-16.2300
Porto_Santo_1936_To_PTRA08_1_7par	108160	0.050	Portugal - Madeira archipelago onshore	32.3600	-17.3000	33.1400	-16.2300
Porto_Santo_1936_To_PTRA08_2_3par	108164	0.140	Madeira Archipelago - Madeira Island	32.5833	-17.3333	32.9167	-16.5833

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
Porto_Santo_1936_To_PTROA08_2_7par	108161	0.050	Madeira Archipelago - Madeira Island	32.5833	-17.3333	32.9167	-16.5833
Porto_Santo_1936_To_PTROA08_3_3par	108165	0.120	Madeira Archipelago - Porto Santo Island	32.9167	-16.4333	33.1667	-16.2500
Porto_Santo_1936_To_PTROA08_3_7par	108162	0.002	Madeira Archipelago - Porto Santo Island	32.9167	-16.4333	33.1667	-16.2500
Porto_Santo_1936_To_WGS_1984_1	1888	44.000	Portugal - Madeira archipelago onshore	32.3600	-17.3000	33.1400	-16.2300
Porto_Santo_1936_To_WGS_1984_1_3par	108169	0.500	Portugal - Madeira archipelago onshore	32.3600	-17.3000	33.1400	-16.2300
Porto_Santo_1936_To_WGS_1984_1_7par	108166	0.100	Portugal - Madeira archipelago onshore	32.3600	-17.3000	33.1400	-16.2300
Porto_Santo_1936_To_WGS_1984_1_IGP	108115	5.000	Portugal - Madeira and Porto Santo islands onshore	32.5900	-17.3000	33.1400	-16.2300
Porto_Santo_1936_To_WGS_1984_2	108125	1.000	Portugal - Madeira and Porto Santo islands onshore	32.5900	-17.3000	33.1400	-16.2300
Porto_Santo_1936_To_WGS_1984_2_3par	108170	0.300	Madeira Archipelago - Madeira Island	32.5833	-17.3333	32.9167	-16.5833
Porto_Santo_1936_To_WGS_1984_2_7par	108167	0.100	Madeira Archipelago - Madeira Island	32.5833	-17.3333	32.9167	-16.5833
Porto_Santo_1936_To_WGS_1984_3_3par	108171	0.300	Madeira Archipelago - Porto Santo Island	32.9167	-16.4333	33.1667	-16.2500
Porto_Santo_1936_To_WGS_1984_3_7par	108168	0.010	Madeira Archipelago - Porto Santo Island	32.9167	-16.4333	33.1667	-16.2500
Porto_Santo_1995_To_PTROA08_1	5021	2.000	Portugal - Madeira archipelago onshore	32.3600	-17.3000	33.1400	-16.2300
Porto_Santo_1995_To_PTROA08_2	5022	1.000	Portugal - Madeira island onshore	32.5900	-17.3000	32.9200	-16.6700
Porto_Santo_1995_To_PTROA08_3	5023	0.200	Portugal - Porto Santo island onshore	32.9700	-16.4300	33.1400	-16.2300
Porto_Santo_1995_To_WGS_1984_2	1966	5.000	Portugal - Madeira and Porto Santo islands onshore	32.5900	-17.3000	33.1400	-16.2300
Porto_Santo_1995_To_WGS_1984_3	1967	1.000	Portugal - Madeira and Porto Santo islands onshore	32.5900	-17.3000	33.1400	-16.2300
POSGAR_1994_To_WGS_1984_1	1210	1.000	Argentina	-58.4000	-73.5800	-21.7800	-52.6300
POSGAR_1998_To_SIRGAS_1	1774	0.000	Argentina	-58.4000	-73.5800	-21.7800	-52.6300
POSGAR_1998_To_WGS_1984_1	1773	1.000	Argentina	-58.4000	-73.5800	-21.7800	-52.6300
POSGAR_2007_To_SIRGAS_2000_1	5497	1.000	Argentina	-58.4000	-73.5800	-21.7800	-52.6300
POSGAR_To_WGS_1984_1	1598	999.000	Argentina	-58.4000	-73.5800	-21.7800	-52.6300
PRS_1992_To_WGS_1984_1	15708	0.050	Philippines	2.2500	116.0900	21.4300	140.0800
PSAD_1956_To_REGVEN	1769	15.000	Venezuela	0.6500	-73.3800	16.7500	-58.9500

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
PSAD_1956_To_SIRGAS_1	3971	5.000	Ecuador - mainland onshore	-5.0000	-81.0300	1.4500	-75.2200
PSAD_1956_To_WGS_1984_1	1201	42.000	South America - Bolivia; Chile; Ecuador; Guyana; Peru; Venezuela	-45.0000	-81.4000	12.5100	-56.4700
PSAD_1956_To_WGS_1984_10	1582	3.000	Bolivia - Madidi	-14.4300	-68.9500	-13.5700	-67.7900
PSAD_1956_To_WGS_1984_11	1583	0.500	Bolivia - Block 20	-21.7000	-63.4300	-21.0900	-62.9500
PSAD_1956_To_WGS_1984_12	1811	10.000	Brazil - Amazon cone shelf	-1.0500	-51.6400	5.5900	-48.0000
PSAD_1956_To_WGS_1984_13	1095	15.000	Venezuela	0.6500	-73.3800	16.7500	-58.9500
PSAD_1956_To_WGS_1984_14	3990	5.000	Ecuador - mainland onshore	-5.0000	-81.0300	1.4500	-75.2200
PSAD_1956_To_WGS_1984_2	1202	19.000	Bolivia	-22.9000	-69.6600	-9.6800	-57.5200
PSAD_1956_To_WGS_1984_3	1203	44.000	Chile - onshore north of 21~30'S	-21.5000	-70.4800	-17.5100	-68.1900
PSAD_1956_To_WGS_1984_4	1204	35.000	Chile - onshore 39~S to 45~S	-45.0000	-75.2200	-39.0000	-71.1100
PSAD_1956_To_WGS_1984_5	1205	26.000	Colombia - mainland	-4.2400	-79.1000	12.5100	-66.8700
PSAD_1956_To_WGS_1984_6	1206	7.000	Ecuador - mainland onshore	-5.0000	-81.0300	1.4500	-75.2200
PSAD_1956_To_WGS_1984_7	1207	17.000	Guyana	1.1900	-61.3900	10.6900	-55.7800
PSAD_1956_To_WGS_1984_8	1208	16.000	Peru	-21.0500	-84.6700	-0.0400	-68.6700
PSAD_1956_To_WGS_1984_9	1209	23.000	Venezuela	0.6500	-73.3800	16.7500	-58.9500
PTRA08_To_WGS_1984_1	4905	1.000	Portugal - Azores and Madeira	29.2500	-35.5800	43.0700	-12.4800
Puerto_Rico_To_NAD_1983	1461	0.050	Caribbean - Puerto Rico and Virgin Islands - onshore	17.6300	-67.9600	18.7700	-64.2500
Puerto_Rico_To_WGS_1984_3	1893	6.000	Caribbean - Puerto Rico and Virgin Islands - onshore	17.6300	-67.9600	18.7700	-64.2500
Puerto_Rico_To_WGS_1984_4	15841	2.000	Puerto Rico - onshore	17.8700	-67.9600	18.5700	-65.2000
Pulkovo_1942_Adj_1958_To_ETRS_1989_1	1644	1.000	Poland - onshore	49.0000	14.1500	54.8900	24.1400
Pulkovo_1942_Adj_1958_To_ETRS_1989_3	15993	10.000	Romania	43.4500	20.2600	48.2600	31.4100
Pulkovo_1942_Adj_1958_To_ETRS_1989_4	15994	3.000	Romania	43.4500	20.2600	48.2600	31.4100
Pulkovo_1942_Adj_1958_To_WGS_1984_1	1645	1.000	Poland - onshore	49.0000	14.1500	54.8900	24.1400
Pulkovo_1942_Adj_1958_To_WGS_1984_18	15496	10.000	Romania	43.4500	20.2600	48.2600	31.4100
Pulkovo_1942_Adj_1958_To_WGS_1984_19	15995	3.000	Romania	43.4500	20.2600	48.2600	31.4100
Pulkovo_1942_Adj_1958_To_WGS_1984_4	15997	6.000	Poland - onshore	49.0000	14.1500	54.8900	24.1400
Pulkovo_1942_Adj_1958_To_WGS_1984_8	15999	6.000	Albania - onshore	39.6400	19.2200	42.6600	21.0500
Pulkovo_1942_Adj_1958_To_WGS_1984_9	15497	7.000	Romania	43.4500	20.2600	48.2600	31.4100
Pulkovo_1942_Adj_1983_To_ETRS_1989_1	1674	2.000	Germany - East Germany all states	50.2000	9.9200	54.7300	15.0300
Pulkovo_1942_Adj_1983_To_ETRS_1989_2	1775	0.100	Germany - East Germany all states	50.2000	9.9200	54.7300	15.0300
Pulkovo_1942_Adj_1983_To_WGS_1984_1	1675	2.000	Germany - East Germany all states	50.2000	9.9200	54.7300	15.0300
Pulkovo_1942_Adj_1983_To_WGS_1984_3	15996	4.000	Hungary	45.7500	16.1100	48.5800	22.8900
Pulkovo_1942_Adj_1983_To_WGS_1984_5	15998	5.000	Europe - Czechoslovakia	47.7400	12.0900	51.0500	22.5600
Pulkovo_1942_To_Estonia_1992	1332	9.000	Estonia - onshore	57.5200	21.7400	59.7100	28.1900
Pulkovo_1942_To_ETRF_1989	108198	2.000	Germany - East Germany all	50.2000	9.9200	54.7300	15.0300

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
			states				
Pulkovo_1942_To_ETRS_1989	1310	2.000	Germany - East Germany all states	50.2000	9.9200	54.7300	15.0300
Pulkovo_1942_To_LKS_1994	1274	9.000	Lithuania	53.8900	19.0200	56.4500	26.8100
Pulkovo_1942_To_PZ_1990_1	15844	4.000	Europe - FSU onshore	35.1500	19.5800	81.9000	-169.5700
Pulkovo_1942_To_Ukraine_2000_1	5586	3.500	Ukraine	43.1900	22.1500	52.3800	40.1800
Pulkovo_1942_To_WGS_1984	1254	999.000	Russia	39.8800	18.9300	85.1900	-168.9700
Pulkovo_1942_To_WGS_1984_10	1303	2.000	Kazakhstan - Caspian Sea	41.1600	48.9100	46.9600	53.1500
Pulkovo_1942_To_WGS_1984_12	1334	9.000	Estonia - onshore	57.5200	21.7400	59.7100	28.1900
Pulkovo_1942_To_WGS_1984_13	1807	10.000	Azerbaijan	37.9000	44.7800	42.5800	51.7300
Pulkovo_1942_To_WGS_1984_14	1808	5.000	Asia - FSU - Azerbaijan and Georgia	37.9000	40.0000	43.5800	51.7300
Pulkovo_1942_To_WGS_1984_15	1809	2.000	Azerbaijan - coastal area Baku to Astara	38.3100	48.9300	40.3300	50.3900
Pulkovo_1942_To_WGS_1984_16	15865	4.500	Europe - FSU onshore	35.1500	19.5800	81.9000	-169.5700
Pulkovo_1942_To_WGS_1984_17	1267	4.000	Russia	39.8800	18.9300	85.1900	-168.9700
Pulkovo_1942_To_WGS_1984_2	1679	1.000	Lithuania	53.8900	19.0200	56.4500	26.8100
Pulkovo_1942_To_WGS_1984_20	5044	3.000	Russia	39.8800	18.9300	85.1900	-168.9700
Pulkovo_1942_To_WGS_1984_3	1287	4.000	Hungary	45.7500	16.1100	48.5800	22.8900
Pulkovo_1942_To_WGS_1984_4	1288	6.000	Poland	49.0000	14.1500	55.9200	24.1400
Pulkovo_1942_To_WGS_1984_5	1289	5.000	Europe - Czechoslovakia	47.7400	12.0900	51.0500	22.5600
Pulkovo_1942_To_WGS_1984_6	1290	4.000	Latvia	55.6700	19.0700	58.0800	28.2400
Pulkovo_1942_To_WGS_1984_7	1291	44.000	Kazakhstan	40.5900	46.5000	55.4400	87.3500
Pulkovo_1942_To_WGS_1984_8	1292	6.000	Albania	39.6400	18.4600	42.6600	21.0500
Pulkovo_1942_To_WGS_1984_9	1293	7.000	Romania	43.4500	20.2600	48.2600	31.4100
Pulkovo_1995_To_PZ_1990_GOST	1257	1.000	Russia	39.8800	18.9300	85.1900	-168.9700
Pulkovo_1995_To_WGS_1984_1	1281	1.000	Russia	39.8800	18.9300	85.1900	-168.9700
Pulkovo_1995_To_WGS_1984_2	5043	1.000	Russia	39.8800	18.9300	85.1900	-168.9700
PZ_1990_To_WGS_1984_1	15843	1.500	World	-90.0000	-180.0000	90.0000	180.0000
PZ_1990_To_WGS_1984_GOST	1244	0.500	Russia	39.8800	18.9300	85.1900	-168.9700
Qatar_1974_To_WGS_1984_1	1561	35.000	Qatar - onshore	24.4800	50.7500	26.1800	51.6400
Qatar_1974_To_WGS_1984_2	1562	1.000	Qatar - offshore	24.6000	50.6100	27.0300	53.0700
Qatar_1974_To_WGS_1984_3	1563	1.000	Qatar - onshore	24.4800	50.7500	26.1800	51.6400
QND_1995_To_WGS_1984_1	1840	0.000	Qatar - onshore	24.4800	50.7500	26.1800	51.6400
Qornoq_1927_To_Greenland_1996_1	15957	1.000	Greenland	56.3800	-75.0000	87.0200	8.1200
Qornoq_1927_To_WGS_1984_1	1797	48.000	Greenland - west coast	59.7400	-73.2800	79.0000	-42.5200
Qornoq_1927_To_WGS_1984_2	1798	1.000	Greenland - west coast	59.7400	-73.2800	79.0000	-42.5200
Rassadiran_To_WGS_1984	1512	0.500	Iran - Taheri refinery	27.4000	52.5000	27.6000	52.7000
RD/83_To_ETRS_1989_1	15868	0.100	Germany - Sachsen	50.2100	11.9000	51.6600	15.0300
RD/83_To_WGS_1984_1_NTV2	15954	1.000	Germany - Sachsen	50.2100	11.9000	51.6600	15.0300

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
REGCAN95_To_WGS_1984_1	4084	1.000	Spain - Canary Islands	24.6000	-21.9300	32.7500	-11.7500
REGVEN_To_SIRGAS_1	1767	0.020	Venezuela	0.6500	-73.3800	16.7500	-58.9500
REGVEN_To_WGS_1984_1	1768	1.000	Venezuela	0.6500	-73.3800	16.7500	-58.9500
Reunion_1947_To_RGR_1992_1	1926	0.100	Reunion - onshore	-21.4000	55.2000	-20.8000	55.8000
Reunion_1947_To_WGS_1984_2	15751	44.000	Reunion - onshore	-21.4000	55.2000	-20.8000	55.8000
Reykjavik_1900_To_WGS_1984_1	1994	10.000	Iceland - onshore	63.3500	-24.6600	66.5800	-13.3800
RGAF09_To_WGS_1984_1	5501	1.000	Caribbean - French Antilles	14.0800	-63.6600	18.5300	-57.5300
RGF_1993_To_ETRF_1989_1	108199	0.000	France	41.1500	-9.8600	51.5600	10.3800
RGF_1993_To_ETRS_1989_1	1591	0.000	France	41.1500	-9.8600	51.5600	10.3800
RGF_1993_To_NTF_NTv2	15958	1.000	France - mainland and Corsica - NTFv2 file	41.0000	-5.5000	52.0000	10.0000
RGF_1993_To_WGS_1984_1	1671	1.000	France	41.1500	-9.8600	51.5600	10.3800
RGFG_1995_To_WGS_1984_2	4840	2.000	French Guiana	2.1100	-54.6000	8.8800	-49.4600
RGM_2004_To_WGS_1984_1	4476	1.000	Mayotte	-14.3700	44.1300	-11.3200	45.7700
RGNC_1991-93_To_IGN72_Grande_Terre_6_NTv2	15962	0.100	New Caledonia - Grande Terre	-22.5000	163.9000	-20.0000	167.1000
RGNC_1991-93_To_NEA74_Noumea_4_NTv2	1295	0.050	New Caledonia - Grande Terre - Noumea	-22.3500	166.3000	-22.1000	166.5000
RGNC_1991-93_To_WGS_1984_1	15880	1.000	New Caledonia	-23.4600	157.0900	-17.2600	173.8900
RGNC_1991_To_IGN72_Grande_Terre_NTv2	108471	0.100	New Caledonia - Grande Terre	-22.5000	163.9000	-20.0000	167.1000
RGNC_1991_To_NEA74_Noumea_NTv2	108472	999.000	New Caledonia - Grande Terre - Noumea	-22.3500	166.3000	-22.1000	166.5000
RGNC_1991_To_WGS_1984_1	1920	1.000	New Caledonia	-23.4600	157.0900	-17.2600	173.8900
RGPF_To_WGS_1984_1	15832	0.500	French Polynesia	-29.0000	-155.0000	-7.0000	-132.0000
RGPF_To_WGS_1984_2	15833	1.000	French Polynesia	-29.0000	-155.0000	-7.0000	-132.0000
RGR_1992_To_Reunion_1947_1	1964	0.100	Reunion - onshore	-21.4000	55.2000	-20.8000	55.8000
RGR_1992_To_WGS_1984_1	1912	1.000	Reunion	-25.9200	37.5800	-10.6000	58.2700
RGRDC_2005_To_WGS_1984_1	4064	1.000	Congo DR (Zaire) - south	-13.4600	28.5000	-3.3000	30.7800
RGSPM_2006_To_WGS_1984_1	4477	1.000	St Pierre and Miquelon	43.4200	-57.1000	47.3700	-55.9000
RRAF_1991_To_RGAF09_1	5494	0.100	Martinique	14.0800	-62.8100	16.3500	-57.5300
RRAF_1991_To_RGAF09_2	5495	0.100	Guadeloupe - Grande-Terre and surrounding islands - onshore	15.8000	-61.8500	16.5400	-60.9700
RRAF_1991_To_RGAF09_3	5496	0.100	Guadeloupe - St Martin and St Barthelemy - onshore	17.8300	-63.2000	18.1700	-62.7300
RRAF_1991_To_WGS_1984_1	4560	1.000	Caribbean - French Antilles	14.0800	-63.6600	18.5300	-57.5300
RSRGD2000_To_WGS_1984_1	15974	1.000	Antarctica - Ross Sea Region	-90.0000	145.0000	-60.0000	-140.0000
RT38_Stockholm_To_RT38	1760	0.000	Sweden - onshore	55.2900	10.9400	69.0600	24.1700
RT90_To_ETRS_1989_1	1437	0.500	Sweden	54.9600	10.0300	69.0600	24.1700
RT90_To_ETRS_1989_2	1787	999.000	Sweden	54.9600	10.0300	69.0600	24.1700
RT90_To_SWEREF99_1	1895	0.100	Sweden	54.9600	10.0300	69.0600	24.1700
RT90_To_WGS_1984	1680	1.000	Sweden	54.9600	10.0300	69.0600	24.1700
RT90_To_WGS_1984_2	1896	1.000	Sweden	54.9600	10.0300	69.0600	24.1700
SAD_1969_96_To_SIRGAS_2000_1	5529	0.500	Brazil - SAD69(96) onshore	-33.7800	-60.5700	4.4300	-34.7400

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
SAD_1969_96_To_WGS_1984_1	5543	0.500	Brazil - SAD69(96) onshore	-33.7800	-60.5700	4.4300	-34.7400
SAD_1969_To_SIRGAS_2000_1	15485	5.000	Brazil - SAD69	-35.7100	-60.5700	7.0400	-29.0300
SAD_1969_To_SIRGAS_2000_2	5528	1.000	Brazil - SAD69 onshore south of 4~30'S	-33.7800	-60.5700	-4.5000	-34.7400
SAD_1969_To_WGS_1984_1	1864	19.000	South America by country	-56.1500	-82.0000	13.0000	-34.0000
SAD_1969_To_WGS_1984_10	1873	26.000	Paraguay	-27.5800	-62.6400	-19.3000	-54.2400
SAD_1969_To_WGS_1984_11	1874	9.000	Peru	-21.0500	-84.6700	-0.0400	-68.6700
SAD_1969_To_WGS_1984_12	1875	44.000	Trinidad and Tobago	9.8300	-62.0800	12.3300	-57.2900
SAD_1969_To_WGS_1984_13	1876	8.000	Venezuela	0.6500	-73.3800	16.7500	-58.9500
SAD_1969_To_WGS_1984_14	1877	5.000	Brazil - SAD69	-35.7100	-60.5700	7.0400	-29.0300
SAD_1969_To_WGS_1984_15	5542	1.000	Brazil - SAD69 onshore south of 4~30'S	-33.7800	-60.5700	-4.5000	-34.7400
SAD_1969_To_WGS_1984_2	1865	9.000	Argentina	-58.4000	-73.5800	-21.7800	-52.6300
SAD_1969_To_WGS_1984_3	1866	26.000	Bolivia	-22.9000	-69.6600	-9.6800	-57.5200
SAD_1969_To_WGS_1984_4	1867	8.000	Brazil	-35.7100	-74.0000	7.0400	-25.2800
SAD_1969_To_WGS_1984_5	1868	21.000	Chile	-59.8600	-113.2000	-17.5100	-65.7300
SAD_1969_To_WGS_1984_6	1869	10.000	Colombia - mainland	-4.2400	-79.1000	12.5100	-66.8700
SAD_1969_To_WGS_1984_7	1870	6.000	Ecuador - mainland onshore	-5.0000	-81.0300	1.4500	-75.2200
SAD_1969_To_WGS_1984_8	1871	44.000	Ecuador - Galapagos onshore	-1.4100	-91.7100	0.1700	-89.2000
SAD_1969_To_WGS_1984_9	1872	12.000	Guyana	1.1900	-61.3900	10.6900	-55.7800
Sainte_Anne_To_RGAF09_1	5492	10.000	Guadeloupe - Grande-Terre and surrounding islands - onshore	15.8000	-61.8500	16.5400	-60.9700
Sainte_Anne_To_WGS_1984_1	1904	10.000	Guadeloupe - Grande-Terre and surrounding islands - onshore	15.8000	-61.8500	16.5400	-60.9700
Sainte_Anne_To_WGS_1984_2	1905	0.100	Guadeloupe - Grande-Terre and surrounding islands - onshore	15.8000	-61.8500	16.5400	-60.9700
Saint_Pierre_et_Miquelon_1950_To_WGS_1984_1	1923	10.000	St Pierre and Miquelon - onshore	46.7000	-56.4700	47.1800	-56.0700
Santo_DOS_1965_To_WGS_1984	15820	44.000	Vanuatu - northern islands	-17.4000	166.5000	-14.6100	168.3100
Sao_Braz_To_PTRA08_1_3par	108175	0.800	Portugal - Azores E - onshore	36.8800	-25.9100	37.9600	-24.9600
Sao_Braz_To_PTRA08_1_7par	108172	0.025	Portugal - Azores E - onshore	36.8800	-25.9100	37.9600	-24.9600
Sao_Braz_To_PTRA08_2_3par	108176	0.800	Portugal - Azores E - S Miguel onshore	37.6600	-25.9100	37.9600	-25.0800
Sao_Braz_To_PTRA08_2_7par	108173	0.030	Portugal - Azores E - S Miguel onshore	37.6600	-25.9100	37.9600	-25.0800
Sao_Braz_To_PTRA08_3_3par	108177	0.800	Azores - Santa Maria Island	36.9000	-25.2500	37.1000	-24.9500
Sao_Braz_To_PTRA08_3_7par	108174	0.010	Azores - Santa Maria Island	36.9000	-25.2500	37.1000	-24.9500
Sao_Braz_To_WGS_1984_1	108117	5.000	Portugal - Azores E - onshore	36.8800	-25.9100	37.9600	-24.9600
Sao_Braz_To_WGS_1984_1_3par	108181	0.900	Portugal - Azores E - onshore	36.8800	-25.9100	37.9600	-24.9600
Sao_Braz_To_WGS_1984_1_7par	108178	0.035	Portugal - Azores E - onshore	36.8800	-25.9100	37.9600	-24.9600
Sao_Braz_To_WGS_1984_2	108127	1.000	Portugal - Azores E - onshore	36.8800	-25.9100	37.9600	-24.9600

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
Sao_Braz_To_WGS_1984_2_3par	108182	0.900	Portugal - Azores E - S Miguel onshore	37.6600	-25.9100	37.9600	-25.0800
Sao_Braz_To_WGS_1984_2_7par	108179	0.040	Portugal - Azores E - S Miguel onshore	37.6600	-25.9100	37.9600	-25.0800
Sao_Braz_To_WGS_1984_3_3par	108183	0.900	Azores - Santa Maria Island	36.9000	-25.2500	37.1000	-24.9500
Sao_Braz_To_WGS_1984_3_7par	108180	0.030	Azores - Santa Maria Island	36.9000	-25.2500	37.1000	-24.9500
Sapper_Hill_1943_To_WGS_1984	1225	2.000	Falkland Islands - East Falkland Island	-52.5000	-59.7500	-51.2500	-57.5000
Schwarzeck_To_WGS_1984	1226	35.000	Namibia	-31.2000	8.3200	-16.9900	25.2800
Schwarzeck_To_WGS_1984_2	1271	999.000	Namibia	-31.2000	8.3200	-16.9900	25.2800
Scoresbysund_1952_To_Greenland_1996_1	15899	1.000	Greenland - Scoresbysund area	68.6600	-29.6800	74.5800	-19.8900
Scoresbysund_1952_To_WGS_1984_1	1799	1.000	Greenland - Scoresbysund area	68.6600	-29.6800	74.5800	-19.8900
Segora_To_WGS_1984	1286	999.000	Indonesia - Kalimantan	-5.7200	104.9400	4.4000	119.6200
Selvagem_Grande_1938_To_WGS_1984_1	1965	44.000	Portugal - Selvagens onshore	29.9800	-16.1000	30.2000	-15.7900
Sierra_Leone_1968_To_WGS_1984	1614	26.000	Sierra Leone - onshore	6.8900	-13.3000	10.0000	-10.2700
SIRGAS_2000_To_WGS_1984_1	15894	1.000	Latin America - SIRGAS 2000 by country	-59.8600	-122.1800	32.7200	-26.0100
SIRGAS-Chile_To_WGS_1984_1	5375	1.000	Chile	-59.8600	-113.2000	-17.5100	-65.7300
SIRGAS-ES2007.8_To_WGS_1984_1	5395	1.000	El Salvador	9.9700	-91.4200	14.4300	-87.6500
SIRGAS-ROU98_To_WGS_1984_1	5384	1.000	Uruguay	-37.7700	-58.4900	-30.1000	-50.0100
SIRGAS_To_WGS_1984_1	1581	2.000	South America - SIRGAS 1995 by country	-59.8600	-113.2000	16.7500	-26.0100
S_JTSK/05_Ferro_To_S_JTSK/05_1	5238	1.000	Czech Republic	48.5800	12.0900	51.0500	18.8500
S_JTSK/05_Ferro_To_WGS_1984_1	5240	1.000	Czech Republic	48.5800	12.0900	51.0500	18.8500
S_JTSK/05_To_ETRS_1989_1	5226	0.000	Czech Republic	48.5800	12.0900	51.0500	18.8500
S_JTSK/05_To_WGS_1984_1	5227	1.000	Czech Republic	48.5800	12.0900	51.0500	18.8500
S_JTSK_Ferro_To_S_JTSK	1884	0.000	Europe - Czechoslovakia	47.7400	12.0900	51.0500	22.5600
S_JTSK_FERRO_To_WGS_1984_2	5230	1.100	Slovakia	47.7400	16.8400	49.6000	22.5600
S_JTSK_Ferro_To_WGS_1984_3	5242	1.000	Czech Republic	48.5800	12.0900	51.0500	18.8500
S_JTSK_To_ETRS_1989_1	1622	1.000	Czech Republic	48.5800	12.0900	51.0500	18.8500
S_JTSK_To_ETRS_1989_2	1624	1.000	Slovakia	47.7400	16.8400	49.6000	22.5600
S_JTSK_To_ETRS_1989_3	4829	0.500	Slovakia	47.7400	16.8400	49.6000	22.5600
S_JTSK_To_ETRS_1989_4	4827	1.000	Slovakia	47.7400	16.8400	49.6000	22.5600
S_JTSK_To_Pulkovo_1942	108202	1.000	Czech Republic	48.5800	12.0900	51.0500	18.8500
S_JTSK_To_S_JTSK/05_1	5241	0.000	Czech Republic	48.5800	12.0900	51.0500	18.8500
S_JTSK_To_WGS_1984_1	1623	1.000	Czech Republic	48.5800	12.0900	51.0500	18.8500
S_JTSK_To_WGS_1984_2	1625	1.000	Slovakia	47.7400	16.8400	49.6000	22.5600
S_JTSK_To_WGS_1984_4	4836	1.000	Slovakia	47.7400	16.8400	49.6000	22.5600
S_JTSK_To_WGS_1984_5	5239	1.000	Czech Republic	48.5800	12.0900	51.0500	18.8500
S_JTSK_To_WGS_1984_NGA	15965	6.000	Europe - Czechoslovakia	47.7400	12.0900	51.0500	22.5600
SLD99_To_WGS_1984_1	5236	14.000	Sri Lanka - onshore	5.8500	79.6000	9.9200	81.9500
Slovenia_1996_To_ETRS_1989_1	15977	0.000	Slovenia	45.4300	13.3800	46.8800	16.6100

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
Slovenia_1996_To_WGS_1984_1	15976	1.000	Slovenia	45.4300	13.3800	46.8800	16.6100
Solomon_1968_To_WGS_1984_1	15805	44.000	Solomon Islands - New Georgia - Ghizo (Gizo)	-8.1500	156.7000	-8.0000	156.9000
Solomon_1968_To_WGS_1984_2	15807	44.000	Solomon Islands - Guadalcanal Island	-9.9600	159.5600	-9.2400	160.9100
South_Asia_Singapore_To_WGS_1984	108269	999.000	Singapore	1.1200	103.6200	1.4600	104.1600
South_Yemen_To_WGS_1984_1	1682	1.000	Yemen - South Yemen	12.0000	42.5000	15.0000	53.0000
South_Yemen_To_Yemen_NGN_1996	1539	5.000	Yemen - South Yemen	12.0000	42.5000	15.0000	53.0000
SREF98_To_ETRS_1989_1	4076	0.000	Serbia	41.8600	18.8200	46.1800	23.0100
SREF98_To_WGS_1984_1	4077	1.000	Serbia	41.8600	18.8200	46.1800	23.0100
ST71_Belep_To_WGS_1984_1	1931	1.000	New Caledonia - Belep	-19.8500	163.5500	-19.5400	163.7000
ST84_Ile_des_Pins_To_RGNC_1991-93_1	15893	0.100	New Caledonia - Ile des Pins	-22.7500	167.3000	-22.5000	167.5500
ST84_Ile_des_Pins_To_WGS_1984_1	1930	1.000	New Caledonia - Ile des Pins	-22.7500	167.3000	-22.5000	167.5500
ST84_Ile_des_Pins_To_WGS_1984_2	15848	10.000	New Caledonia - Ile des Pins	-22.7500	167.3000	-22.5000	167.5500
ST87_Ouvea_To_RGNC_1991-93_1	15885	0.500	New Caledonia - Ouvea	-20.7500	166.3500	-20.3500	166.7000
ST87_Ouvea_To_RGNC_1991-93_2	15892	0.100	New Caledonia - Ouvea	-20.7500	166.3500	-20.3500	166.7000
ST87_Ouvea_To_WGS_1984_2	15881	1.000	New Caledonia - Ouvea	-20.7500	166.3500	-20.3500	166.7000
St_George_To_NAD_1983	1457	0.500	USA - Alaska - St. George Island	56.4900	-169.8700	56.6600	-169.3800
St_George_To_WGS_1984_1	1698	1.500	USA - Alaska - St. George Island	56.4900	-169.8700	56.6600	-169.3800
St_Kitts_1955_To_WGS_1984	1445	10.000	St Kitts and Nevis - onshore	17.0700	-62.9100	17.4600	-62.5000
St_Kitts_1955_To_WGS_1984_2	15750	44.000	St Kitts and Nevis - onshore	17.0700	-62.9100	17.4600	-62.5000
St_Lawrence_To_NAD_1983	1455	0.500	USA - Alaska - St. Lawrence Island	62.9000	-171.9600	63.8300	-168.5900
St_Lawrence_To_WGS_1984_1	1699	1.500	USA - Alaska - St. Lawrence Island	62.9000	-171.9600	63.8300	-168.5900
St_Lucia_1955_To_WGS_1984	1446	10.000	St Lucia - onshore	13.6600	-61.1300	14.1600	-60.8300
St_Paul_To_NAD_1983	1456	0.500	USA - Alaska - St. Paul Island	57.0600	-170.5000	57.2700	-170.0500
St_Paul_To_WGS_1984_1	1700	1.500	USA - Alaska - St. Paul Island	57.0600	-170.5000	57.2700	-170.0500
S_TUREF_To_ETRS_1989_1	5260	0.100	Turkey	34.4300	25.6200	43.4500	44.8200
St_Vincent_1945_To_WGS_1984_1	1959	1.000	St Vincent and the Grenadines - onshore	12.5500	-61.5100	13.4300	-61.0700
SWEREF99_To_ETRS_1989_1	1878	0.000	Sweden	54.9600	10.0300	69.0600	24.1700
SWEREF99_To_RT90	108212	999.000	Sweden	54.9600	10.0300	69.0600	24.1700
SWEREF99_To_WGS_1984_1	1879	1.000	Sweden	54.9600	10.0300	69.0600	24.1700
Tahaa_1954_To_RGPF_1	15758	0.500	French Polynesia - Society Islands - Bora Bora, Huahine, Raiatea, Tahaa	-16.9500	-151.8000	-16.6200	-150.9000
Tahaa_1954_To_WGS_1984_1	1913	10.000	French Polynesia - Society Islands - Bora Bora, Huahine,	-16.9500	-151.8000	-16.6200	-150.9000

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
			Raiatea, Tahaa				
Tahaa_1954_To_WGS_1984_2	15770	1.000	French Polynesia - Society Islands - Bora Bora, Huahine, Raiatea, Tahaa	-16.9500	-151.8000	-16.6200	-150.9000
Tahiti_1952_To_WGS_1984_1	1924	10.000	French Polynesia - Society Islands - Moorea and Tahiti	-17.9100	-149.9600	-17.4500	-149.0700
Tahiti_1979_To_RGPF_1	15756	0.500	French Polynesia - Society Islands - Tahiti	-17.9100	-149.6900	-17.4500	-149.0700
Tahiti_1979_To_WGS_1984_1	4835	1.000	French Polynesia - Society Islands - Tahiti	-17.9100	-149.6900	-17.4500	-149.0700
Tananarive_1925_Paris_To_Tananarive_1925	1265	0.000	Madagascar - onshore	-25.6600	43.2000	-11.9000	50.6000
Tananarive_1925_Paris_To_WGS_1984	8176	100.000	Madagascar - onshore	-25.6600	43.2000	-11.9000	50.6000
Tananarive_1925_To_WGS_1984	1227	999.000	Madagascar	-28.8900	41.1400	-10.6000	55.3400
Tern_Island_1961_To_WGS_1984	15795	44.000	USA - Hawaii - Tern Island and Sorel Atoll	23.6900	-166.3600	23.9300	-166.0300
Tete_To_Moznet_1	1297	30.000	Mozambique - onshore	-26.8800	30.2300	-10.4000	40.9000
Tete_To_Moznet_2	1298	1.000	Mozambique - A	-26.8800	31.8000	-24.0000	35.6000
Tete_To_Moznet_3	1299	4.000	Mozambique - B	-24.0000	31.3300	-20.0000	35.6000
Tete_To_Moznet_4	1300	3.000	Mozambique - C	-20.0000	31.1800	-16.0000	40.1500
Tete_To_Moznet_5	1301	10.000	Mozambique - D	-16.0000	30.2300	-9.5600	40.9000
Tete_To_WGS_1984_1	1683	30.000	Mozambique - onshore	-26.8800	30.2300	-10.4000	40.9000
Tete_To_WGS_1984_2	1684	1.000	Mozambique - A	-26.8800	31.8000	-24.0000	35.6000
Tete_To_WGS_1984_3	1685	4.000	Mozambique - B	-24.0000	31.3300	-20.0000	35.6000
Tete_To_WGS_1984_4	1686	3.000	Mozambique - C	-20.0000	31.1800	-16.0000	40.1500
Tete_To_WGS_1984_5	1687	10.000	Mozambique - D	-16.0000	30.2300	-9.5600	40.9000
Timbalai_1948_To_GDBD2009_1	5248	1.000	Brunei	4.0000	112.5000	6.3700	115.3600
Timbalai_1948_To_WGS_1984	1228	19.000	Asia - Brunei and East Malaysia	0.8500	109.5500	7.3500	119.2600
Timbalai_1948_To_WGS_1984_2	1592	5.000	Brunei	4.0000	112.5000	6.3700	115.3600
Timbalai_1948_To_WGS_1984_3	1615	100.000	Brunei - onshore	4.0000	114.1000	5.0500	115.3600
Timbalai_1948_To_WGS_1984_4	1852	5.000	Malaysia - East Malaysia - offshore SCS	1.5000	109.5000	12.0000	119.0000
Timbalai_1948_To_WGS_1984_5	5249	1.000	Brunei	4.0000	112.5000	6.3700	115.3600
TM65_To_ETRS_1989_1	1640	1.000	Europe - Ireland (Republic and Ulster) - onshore	51.4000	-10.5600	55.4300	-5.3500
TM65_To_WGS_1984	1229	999.000	Europe - Ireland (Republic and Ulster) - onshore	51.4000	-10.5600	55.4300	-5.3500
TM65_To_WGS_1984_2	1641	1.000	Europe - Ireland (Republic and Ulster) - onshore	51.4000	-10.5600	55.4300	-5.3500
TM75_To_ETRS_1989_2	1953	1.000	Europe - Ireland (Republic and Ulster) - onshore	51.4000	-10.5600	55.4300	-5.3500
TM75_To_WGS_1984_2	1954	1.000	Europe - Ireland (Republic and Ulster) - onshore	51.4000	-10.5600	55.4300	-5.3500

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
TM75_To_WGS_1984_3	1956	6.000	Europe - Ireland (Republic and Ulster) - onshore	51.4000	-10.5600	55.4300	-5.3500
Tokyo_To_JGD_2000_1	15483	4.000	Japan - onshore	19.0100	122.4900	45.9200	160.0900
Tokyo_To_JGD_2000_NTV2	108108	1.000	Japan - NTV2	20.0000	121.0000	47.0000	154.0000
Tokyo_To_WGS_1984_1	1230	29.000	Asia - Japan and South Korea	24.2500	123.6800	45.4900	145.8100
Tokyo_To_WGS_1984_108	15484	9.000	Japan - onshore	19.0100	122.4900	45.9200	160.0900
Tokyo_To_WGS_1984_2	1231	13.000	Japan - Hokkaido, Honshu, Shikoku, Kyushu - onshore	30.1500	128.5000	45.9200	146.0900
Tokyo_To_WGS_1984_2001	108106	4.000	Korea, Republic of (South Korea)	31.6000	122.5200	39.1600	132.1000
Tokyo_To_WGS_1984_3	1232	13.000	Korea, Republic of (South Korea) - onshore	33.1800	125.8000	38.6700	129.7200
Tokyo_To_WGS_1984_4	1233	29.000	Japan - Okinawa	26.0000	127.5000	27.5000	128.5000
Tokyo_To_WGS_1984_5	1305	4.000	Korea, Republic of (South Korea) - onshore	33.1800	125.8000	38.6700	129.7200
Tokyo_To_WGS_1984_NTV2	108109	1.000	Japan - NTV2	20.0000	121.0000	47.0000	154.0000
Trinidad_1903_To_WGS_1984	1296	2.000	Trinidad and Tobago - Trinidad	9.8300	-62.0800	11.5000	-60.0000
Trinidad_1903_To_WGS_1984_2	10085	3.000	Trinidad and Tobago - Trinidad	9.8300	-62.0800	11.5000	-60.0000
Tristan_1968_To_WGS_1984	15816	44.000	St Helena - Tristan da Cunha	-37.4300	-12.7300	-37.0500	-12.2100
TUREF_To_WGS_1984_1	5261	1.000	Turkey	34.4300	25.6200	43.4500	44.8200
TWD_1997_To_WGS_1984_1	3830	1.000	Taiwan	21.4300	118.0700	26.3600	122.4900
Ukraine_2000_To_ITRF_2005_1	5822	1.000	Ukraine	43.1900	22.1500	52.3800	40.1800
Ukraine_2000_To_WGS_1984_2	5823	1.000	Ukraine	43.1900	22.1500	52.3800	40.1800
Vanua_Levu_1915_To_WGS_1984_1	15878	50.000	Fiji - Vanua Levu and Taveuni	-17.0500	178.2500	-16.0000	-179.5000
Vientiane_1982_To_Lao_1997_1	1063	2.000	Laos	13.9200	100.1500	22.5100	107.7600
Viti_Levu_1912_To_WGS_1984_1	15897	44.000	Fiji - Viti Levu	-18.6000	177.0200	-17.2600	178.8700
Viti_Levu_1916_To_WGS_1984	15821	44.000	Fiji - Viti Levu	-18.6000	177.0200	-17.2600	178.8700
VN_2000_To_WGS_1984_2	5194	1.000	Vietnam - DBSCL 02 and 03	9.3500	104.2500	11.0500	107.1000
Voirol_1875_Grad_To_Voirol_1875	108339	999.000	Algeria - north of 31.5~N	31.5000	-3.8900	37.0900	9.2300
Voirol_1875_Grad_To_WGS_1984	108278	44.000	Algeria - north of 31.5~N	31.5000	-3.8900	37.0900	9.2300
Voirol_1875_Paris_To_Voirol_1875	1266	0.000	Algeria - north of 32~N	32.0000	-2.9200	37.0900	9.0900
Voirol_1875_Paris_To_WGS_1984	8211	100.000	Algeria - north of 32~N	32.0000	-2.9200	37.0900	9.0900
Voirol_1875_To_WGS_1984	1294	999.000	Algeria - north of 32~N	32.0000	-2.9200	37.0900	9.0900
Voirol_1879_Grad_To_Voirol_1879	108340	0.000	Africa - Algeria, Morocco and Tunisia	18.9800	-13.1700	37.3400	11.9900
Voirol_Unifie_1960_Grad_To_WGS_1984	108265	44.000	Algeria - north of 32~N	32.0000	-2.9200	37.0900	9.0900
Voirol_Unifie_1960_Paris_To_Voirol_Unifie_1960	8171	0.000	Algeria - north of 32~N	32.0000	-2.9200	37.0900	9.0900
Voirol_Unifie_1960_Paris_To_WGS_1984	8177	44.000	Algeria - north of 32~N	32.0000	-2.9200	37.0900	9.0900
Voirol_Unifie_1960_To_WGS_1984	8158	44.000	Algeria - north of 32~N	32.0000	-2.9200	37.0900	9.0900
Wake_Eniwetok_1960_To_WGS_1984	15822	6.000	Marshall Islands - Eniwetok,	8.6400	162.0300	19.3400	168.0000

Name	WKID	Accuracy	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
			Kwajalein and Wake islands				
Wake_Island_1952_To_WGS_1984	15823	44.000	Marshall Islands - Wake Island	19.2600	166.5800	19.3400	166.6600
WGS_1972_BE_To_WGS_1972_1	1239	2.000	World	-90.0000	-180.0000	90.0000	180.0000
WGS_1972_BE_To_WGS_1984_1	1240	2.000	World - WGS72BE to WGS84 - by country	-90.0000	-180.0000	90.0000	180.0000
WGS_1972_To_WGS_1984_1	1237	2.000	World	-90.0000	-180.0000	90.0000	180.0000
WGS_1972_To_WGS_1984_2	1238	2.000	World	-90.0000	-180.0000	90.0000	180.0000
WGS_1984_(ITRF00)_To_NAD_1983	108190	0.100	USA (all states)	15.5600	167.6500	74.7100	-65.7000
WGS_1984_(ITRF00)_To_NAD_1983_2011	108354	0.100	USA (all states)	15.5600	167.6500	74.7100	-65.7000
WGS_1984_(ITRF00)_To_NAD_1983_CORS96	108151	0.100	USA (all states)	15.5600	167.6500	74.7100	-65.7000
WGS_1984_(ITRF00)_To_NAD_1983_HARN	108282	0.100	USA (all states)	15.5600	167.6500	74.7100	-65.7000
WGS_1984_(ITRF08)_To_NAD_1983_2011	108363	0.030	Pacific Ocean	-78.8000	99.3000	65.6000	-70.0000
WGS_1984_(ITRF08)_To_NAD_1983_MA11	108364	0.050	Pacific Ocean	-78.8000	99.3000	65.6000	-70.0000
WGS_1984_(ITRF08)_To_NAD_1983_PA11	108365	0.050	Pacific Ocean	-78.8000	99.3000	65.6000	-70.0000
WGS_1984_Major_Auxiliary_Sphere_To_WGS_1984	108100	0.000	World	-90.0000	-180.0000	90.0000	180.0000
WGS_1984_To_Ain_El_Abd_1970_MB	108366	0.100	Bahrain	25.5700	50.3000	27.1800	51.4100
WGS_1984_To_NTF_NTv2	15960	1.000	France - mainland and Corsica - NTV2 file	41.0000	-5.5000	52.0000	10.0000
WGS_1984_To_Observatorio_Meteorologico_1965_1	108211	999.000	China - Macao	22.0900	113.5900	22.3100	113.6900
WGS_1984_To_Observatorio_Meteorologico_1965_2	108235	999.000	China - Macao	22.0900	113.5900	22.3100	113.6900
WGS_1984_To_Ocotepeque_1935_MB	108014	0.500	Costa Rica	2.1500	-90.4400	11.7700	-81.4300
WGS_1984_To_RT90	108213	999.000	Sweden	54.9600	10.0300	69.0600	24.1700
Yacare_To_SIRGAS_1	15963	1.500	Uruguay	-37.7700	-58.4900	-30.1000	-50.0100
Yacare_To_SIRGAS-ROU98_1	5385	1.500	Uruguay	-37.7700	-58.4900	-30.1000	-50.0100
Yacare_To_WGS_1984	1234	999.000	Uruguay	-37.7700	-58.4900	-30.1000	-50.0100
Yacare_To_WGS_1984_2	5386	1.500	Uruguay	-37.7700	-58.4900	-30.1000	-50.0100
Yemen_NGN_1996_To_WGS_1984	1540	1.000	Yemen	11.6100	41.4400	19.0100	55.0300
Yoff_To_WGS_1972_1	1828	25.000	Senegal	9.5000	-20.2100	16.7000	-11.3700
Zanderij_To_WGS_1984	1235	11.000	Suriname	1.8400	-58.0700	9.3500	-52.6600

Table 2: Geographic (datum) transformations: Longitude rotation and unit change methods

Geographic (datum) Transformation Name	WKID	Method
Batavia_Jakarta_To_Batavia	1759	Longitude_Rotation
Belge_1950_Brussels_To_Belge_1950	1264	Longitude_Rotation
Bern_1898_Bern_To_CH1903	1765	Longitude_Rotation
Bogota_Bogota_To_Bogota	1755	Longitude_Rotation
Carthage_Grad_To_Carthage	108338	Unit_Change
Carthage_Paris_To_Carthage	1881	Longitude_Rotation
Greek_Athens_To_Greek	1761	Longitude_Rotation
Gunung_Segara_Jakarta_To_Gunung_Segara	1883	Longitude_Rotation
Lisbon_1890_Lisbon_To_Lisbon	1991	Longitude_Rotation

Lisbon_Lisbon_To_Lisbon	1756	Longitude_Rotation
Makassar_Jakarta_To_Makassar	1260	Longitude_Rotation
MGI_Ferro_To_MGI	1757	Longitude_Rotation
Monte_Mario_Rome_To_Monte_Mario	1262	Longitude_Rotation
NGO_1948_Oslo_To_NGO_1948	1762	Longitude_Rotation
Nord_Sahara_1959_Paris_To_Nord_Sahara_1959	1882	Longitude_Rotation
NTF_Paris_To_NTF	1764	Longitude_Rotation
Padang_1884_Jakarta_To_Padang_1884	1758	Longitude_Rotation
RT38_Stockholm_To_RT38	1760	Longitude_Rotation
S_JTSK/05_Ferro_To_S_JTSK/05_1	5238	Longitude_Rotation
S_JTSK_Ferro_To_S_JTSK	1884	Longitude_Rotation
Tananarive_1925_Paris_To_Tananarive_1925	1265	Longitude_Rotation
Voirol_1875_Grad_To_Voirol_1875	108339	Unit_Change
Voirol_1875_Paris_To_Voirol_1875	1266	Longitude_Rotation
Voirol_1879_Grad_To_Voirol_1879	108340	Unit_Change
Voirol_Unifie_1960_Paris_To_Voirol_Unifie_1960	8171	Longitude_Rotation
WGS_1984_Major_Auxiliary_Sphere_To_WGS_1984	108100	Null

Table 3: Geographic (datum) transformations: Geographic 2D offset method

Geographic (datum) Transformation Name	WKID	Method	dlon	dlat
Anguilla_1957_To_WGS_1984_1	1447	Geographic_2D_Offset	4.4	-18
Greek_To_GGRS_1987	1891	Geographic_2D_Offset	0.28	-5.86
S_JTSK_To_S_JTSK/05_1	5241	Geographic_2D_Offset	0.0	0.0

Table 4: Geographic (datum) transformations: Geocentric translation method

Geographic (datum) Transformation Name	WKID	Method	dx	dy	dz
Abidjan_1987_To_WGS_1984	1470	Geocentric_Translation	-124.76	53	466.79
Accra_To_WGS_1972_BE	1570	Geocentric_Translation	-171.16	17.29	323.31
Accra_To_WGS_1984	1569	Geocentric_Translation	-199	32	322
Adindan_To_WGS_1984_1	1100	Geocentric_Translation	-166	-15	204
Adindan_To_WGS_1984_2	1101	Geocentric_Translation	-118	-14	218
Adindan_To_WGS_1984_3	1102	Geocentric_Translation	-134	-2	210
Adindan_To_WGS_1984_4	1103	Geocentric_Translation	-165	-11	206
Adindan_To_WGS_1984_5	1104	Geocentric_Translation	-123	-20	220
Adindan_To_WGS_1984_6	1105	Geocentric_Translation	-128	-18	224
Adindan_To_WGS_1984_7	1106	Geocentric_Translation	-161	-14	205
Afgooye_To_WGS_1984	1107	Geocentric_Translation	-43	-163	45
AGD_1966_To_GDA_1994	1278	Geocentric_Translation	-127.8	-52.3	152.9
AGD_1966_To_WGS_1984	1108	Geocentric_Translation	-133	-48	148
AGD_1966_To_WGS_1984_16	15788	Geocentric_Translation	-127.8	-52.3	152.9

Geographic (datum) Transformation Name	WKID	Method	dx	dy	dz
AGD_1984_To_GDA_1994	1279	Geocentric_Translation	-128.5	-53	153.4
AGD_1984_To_WGS_1984_1	1109	Geocentric_Translation	-134	-48	149
AGD_1984_To_WGS_1984_8	15789	Geocentric_Translation	-128.5	-53	153.4
Ain_El_Abd_To_WGS_1984_1	1110	Geocentric_Translation	-150	-250	-1
Ain_El_Abd_To_WGS_1984_2	1111	Geocentric_Translation	-143	-236	7
Ain_el_Abd_To_WGS_1984_3	1055	Geocentric_Translation	-145.7	-249.1	1.5
American_Samoa_1962_To_WGS_1984	1577	Geocentric_Translation	-115	118	426
Anna_1_1965_To_WGS_1984	15794	Geocentric_Translation	-491	-22	435
Antigua_1943_To_WGS_1984	1441	Geocentric_Translation	-255	-15	71
Antigua_1943_To_WGS_1984_NGA	15811	Geocentric_Translation	-270	13	62
Aratu_To_SIRGAS_2000_1	5050	Geocentric_Translation	-157.84	308.54	-146.6
Aratu_To_SIRGAS_2000_2	5052	Geocentric_Translation	-160.31	314.82	-142.25
Aratu_To_SIRGAS_2000_3	5054	Geocentric_Translation	-161.11	310.25	-144.64
Aratu_To_SIRGAS_2000_4	5056	Geocentric_Translation	-160.4	302.29	-144.19
Aratu_To_SIRGAS_2000_5	5058	Geocentric_Translation	-153.54	302.33	-152.37
Aratu_To_SIRGAS_2000_6	5060	Geocentric_Translation	-151.5	300.09	-151.15
Aratu_To_SIRGAS_2000_7	5062	Geocentric_Translation	-156.8	298.41	-147.41
Aratu_To_SIRGAS_2000_8	5064	Geocentric_Translation	-157.4	295.05	-150.19
Aratu_To_SIRGAS_2000_9	5066	Geocentric_Translation	-151.99	287.04	-147.45
Aratu_To_WGS_1984_1	15754	Geocentric_Translation	-158	315	-148
Aratu_To_WGS_1984_10	15710	Geocentric_Translation	-160	315	-142
Aratu_To_WGS_1984_11	15711	Geocentric_Translation	-158	309	-147
Aratu_To_WGS_1984_12	15712	Geocentric_Translation	-161	310	-145
Aratu_To_WGS_1984_13	5051	Geocentric_Translation	-157.84	308.54	-146.6
Aratu_To_WGS_1984_14	5053	Geocentric_Translation	-160.31	314.82	-142.25
Aratu_To_WGS_1984_15	5055	Geocentric_Translation	-161.11	310.25	-144.64
Aratu_To_WGS_1984_16	5057	Geocentric_Translation	-160.4	302.29	-144.19
Aratu_To_WGS_1984_17	5059	Geocentric_Translation	-153.54	302.33	-152.37
Aratu_To_WGS_1984_18	5061	Geocentric_Translation	-151.5	300.09	-151.15
Aratu_To_WGS_1984_19	5063	Geocentric_Translation	-156.8	298.41	-147.41
Aratu_To_WGS_1984_2	1550	Geocentric_Translation	-139.62	290.53	-150.29
Aratu_To_WGS_1984_20	5065	Geocentric_Translation	-157.4	295.05	-150.19
Aratu_To_WGS_1984_21	5067	Geocentric_Translation	-151.99	287.04	147.45
Aratu_To_WGS_1984_3	1551	Geocentric_Translation	-141.15	293.44	-150.56
Aratu_To_WGS_1984_4	1552	Geocentric_Translation	-142.48	296.03	-149.74
Aratu_To_WGS_1984_5	10089	Geocentric_Translation	-163.466	317.396	-147.538
Aratu_To_WGS_1984_6	10090	Geocentric_Translation	-170	305	-145
Aratu_To_WGS_1984_7	10091	Geocentric_Translation	-162.904	312.531	-137.109
Aratu_To_WGS_1984_8	10092	Geocentric_Translation	-158	309	-151
Aratu_To_WGS_1984_9	10093	Geocentric_Translation	-161	308	-142
Arc_1950_To_WGS_1984_1	1113	Geocentric_Translation	-143	-90	-294
Arc_1950_To_WGS_1984_2	1114	Geocentric_Translation	-138	-105	-289
Arc_1950_To_WGS_1984_3	1115	Geocentric_Translation	-153	-5	-292
Arc_1950_To_WGS_1984_4	1116	Geocentric_Translation	-125	-108	-295
Arc_1950_To_WGS_1984_5	1117	Geocentric_Translation	-161	-73	-317
Arc_1950_To_WGS_1984_6	1118	Geocentric_Translation	-134	-105	-295
Arc_1950_To_WGS_1984_7	1119	Geocentric_Translation	-169	-19	-278

Geographic (datum) Transformation Name	WKID	Method	dx	dy	dz
Arc_1950_To_WGS_1984_8	1120	Geocentric_Translation	-147	-74	-283
Arc_1950_To_WGS_1984_9	1121	Geocentric_Translation	-142	-96	-293
Arc_1960_To_WGS_1984	1122	Geocentric_Translation	-160	-6	-302
Arc_1960_To_WGS_1984_2	1284	Geocentric_Translation	-157	-2	-299
Arc_1960_To_WGS_1984_3	1285	Geocentric_Translation	-175	-23	-303
Arc_1960_To_WGS_1984_4	3998	Geocentric_Translation	-153	-5	-292
Ascension_Island_1958_To_WGS_1984	15797	Geocentric_Translation	-205	107	53
Astro_1952_To_WGS_1984	15799	Geocentric_Translation	124	-234	-25
Australian_Antarctic_1998_To_WGS_1984_1	1890	Geocentric_Translation	0	0	0
Ayabelle_To_WGS_1984	15800	Geocentric_Translation	-79	-129	145
Azores_Central_1948_To_WGS_1984_1	1886	Geocentric_Translation	-104	167	-38
Azores_Central_1995_To_PTRA08_1	5027	Geocentric_Translation	-105.679	166.1	-37.322
Azores_Central_1995_To_PTRA08_2	5028	Geocentric_Translation	-105.377	165.769	-36.965
Azores_Central_1995_To_PTRA08_3	5029	Geocentric_Translation	-105.359	165.804	-37.05
Azores_Central_1995_To_PTRA08_4	5030	Geocentric_Translation	-105.531	166.39	-37.326
Azores_Central_1995_To_PTRA08_5	5031	Geocentric_Translation	-105.756	165.972	-37.313
Azores_Central_1995_To_PTRA08_6	5032	Geocentric_Translation	-106.235	166.236	-37.768
Azores_Central_1995_To_WGS_1984_10	1980	Geocentric_Translation	-106.226	166.366	-37.893
Azores_Central_1995_To_WGS_1984_2	1972	Geocentric_Translation	-106.301	166.27	-37.916
Azores_Central_1995_To_WGS_1984_4	1974	Geocentric_Translation	-106.248	166.244	-37.845
Azores_Central_1995_To_WGS_1984_6	1976	Geocentric_Translation	-106.044	166.655	-37.876
Azores_Central_1995_To_WGS_1984_8	1978	Geocentric_Translation	-106.253	166.239	-37.854
Azores_Occidental_1939_To_PTRA08_1	5033	Geocentric_Translation	-423.058	-172.868	83.772
Azores_Occidental_1939_To_PTRA08_2	5034	Geocentric_Translation	-423.053	-172.871	83.771
Azores_Occidental_1939_To_PTRA08_3	5035	Geocentric_Translation	-423.024	-172.923	83.83
Azores_Occidental_1939_To_WGS_1984_1	1887	Geocentric_Translation	-425	-169	81
Azores_Occidental_1939_To_WGS_1984_2	1982	Geocentric_Translation	-422.651	-172.995	84.02
Azores_Oriental_1940_To_WGS_1984_1	1885	Geocentric_Translation	-203	141	53
Azores_Oriental_1995_To_PTRA08_1	5024	Geocentric_Translation	-204.926	140.353	55.063
Azores_Oriental_1995_To_PTRA08_2	5025	Geocentric_Translation	-204.519	140.159	55.404
Azores_Oriental_1995_To_PTRA08_3	5026	Geocentric_Translation	-205.808	140.771	54.326
Azores_Oriental_1995_To_WGS_1984_2	1968	Geocentric_Translation	-204.633	140.216	55.199
Azores_Oriental_1995_To_WGS_1984_4	1970	Geocentric_Translation	-204.619	140.176	55.226
Bab_South_To_NAD_1983	108134	Geocentric_Translation	-185.583	-230.096	281.361
Barbados_1938_To_WGS_1984_1	15793	Geocentric_Translation	31.95	300.99	419.19
Batavia_Jakarta_To_WGS_1984	8178	Geocentric_Translation	-377	681	-50
Batavia_To_WGS_1984	1123	Geocentric_Translation	-377	681	-50
Batavia_To_WGS_1984_2	1813	Geocentric_Translation	-378.873	676.002	-46.255
Batavia_To_WGS_1984_3	1814	Geocentric_Translation	-377.7	675.1	-52.2
Beacon_E_1945_To_WGS_1984	15796	Geocentric_Translation	145	75	-272
Beduaram_To_WGS_1972_BE_1	1839	Geocentric_Translation	-101	-111	187
Beduaram_To_WGS_1984_2	15849	Geocentric_Translation	-106	-87	188
Beijing_1954_To_WGS_1984_1	15918	Geocentric_Translation	12.646	-155.176	-80.863
Beijing_1954_To_WGS_1984_4	15921	Geocentric_Translation	15.8	-154.4	-82.3
Beijing_1954_To_WGS_1984_6	15936	Geocentric_Translation	11.911	-154.833	-80.079
Belge_1972_To_WGS_1984_2	1610	Geocentric_Translation	-125.8	79.9	-100.5

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Bellevue_IGN_To_WGS_1984	15801	Geocentric_Translation	-127	-769	472
Bermuda_1957_To_WGS_1984	1124	Geocentric_Translation	-73	213	296
Bermuda_2000_To_WGS_1984_1	15971	Geocentric_Translation	0	0	0
Bissau_To_WGS_1984	1547	Geocentric_Translation	-173	253	27
Bogota_Bogota_To_WGS_1984	8174	Geocentric_Translation	307	304	-318
Bogota_To_WGS_1984	1125	Geocentric_Translation	307	304	-318
Bogota_To_WGS_1984_2	1597	Geocentric_Translation	304.5	306.5	-318.1
Bukit_Rimpah_To_WGS_1984	1126	Geocentric_Translation	-384	664	-48
Cadastre_1997_To_RGM_2004_1	4478	Geocentric_Translation	-381.788	-57.501	-256.673
Cadastre_1997_To_WGS_1984_1	4290	Geocentric_Translation	-381.788	-57.501	-256.673
Camacupa_To_WGS_1972_BE_1	1317	Geocentric_Translation	-37.2	-370.6	-228.5
Camacupa_To_WGS_1984_1	1318	Geocentric_Translation	-42.01	-332.21	-229.75
Camacupa_To_WGS_1984_10	1327	Geocentric_Translation	-50.9	-347.6	-231
Camacupa_To_WGS_1984_2	1319	Geocentric_Translation	-40	-354	-224
Camacupa_To_WGS_1984_4	1321	Geocentric_Translation	-41.8	-342.2	-228.2
Camacupa_To_WGS_1984_5	1322	Geocentric_Translation	-55.5	-348	-229.2
Camacupa_To_WGS_1984_6	1323	Geocentric_Translation	-43	-337	-233
Camacupa_To_WGS_1984_7	1324	Geocentric_Translation	-48	-345	-231
Camacupa_To_WGS_1984_8	1325	Geocentric_Translation	-48.6	-345.1	-230.8
Camp_Area_To_WGS_1984	15802	Geocentric_Translation	-104	-129	239
Campo_Inchauspe_To_POSGAR_1994_1	15782	Geocentric_Translation	-148	136	90
Campo_Inchauspe_To_WGS_1984	1127	Geocentric_Translation	-148	136	90
Campo_Inchauspe_To_WGS_1984_2	1527	Geocentric_Translation	-154.5	150.7	100.4
Canton_1966_To_WGS_1984	15803	Geocentric_Translation	298	-304	-375
Cape_Canaveral_To_WGS_1984	15804	Geocentric_Translation	-2	151	181
Cape_To_Hartebeesthoek94	1504	Geocentric_Translation	-134.73	-110.92	-292.66
Cape_To_WGS_1984_1	1128	Geocentric_Translation	-136	-108	-292
Cape_To_WGS_1984_2	1129	Geocentric_Translation	-134.73	-110.92	-292.66
Carthage_To_WGS_1984	1130	Geocentric_Translation	-263	6	431
Carthage_To_WGS_1984_2	1538	Geocentric_Translation	-260.1	5.5	432.2
CH1903+_To_CHTRF_1995	1509	Geocentric_Translation	674.374	15.056	405.346
CH1903+_To_ETRS_1989_1	1647	Geocentric_Translation	674.374	15.056	405.346
CH1903+_To_WGS_1984_1	1676	Geocentric_Translation	674.374	15.056	405.346
CH1903_To_ETRS_1989_1	1646	Geocentric_Translation	674.4	15.1	405.3
CH1903_To_WGS_1984_2	1766	Geocentric_Translation	674.374	15.056	405.346
Chatham_Island_1971_To_WGS_1984	1080	Geocentric_Translation	175	-38	113
Chos_Malal_1914_To_Campo_Inchauspe	1528	Geocentric_Translation	160	26	41
Chos_Malal_1914_To_WGS_1984	8517	Geocentric_Translation	5.5	176.7	141.4
CHTRF_1995_To_WGS_1984	1511	Geocentric_Translation	0	0	0
Chua_To_SIRGAS_2000_1	4069	Geocentric_Translation	-144.35	242.88	-33.2
Chua_To_WGS_1984	1131	Geocentric_Translation	-134	229	-29
Chua_To_WGS_1984_2	3972	Geocentric_Translation	-143.87	243.37	-33.52
Chua_To_WGS_1984_3	4834	Geocentric_Translation	-144.35	242.88	-33.2
Combani_1950_To_WGS_1984_1	1916	Geocentric_Translation	-382	-59	-262
Conakry_1905_To_WGS_1984	1517	Geocentric_Translation	-23	259	-9
Corrego_Alegre_To_WGS_1984	1132	Geocentric_Translation	-206	172	-6
CR05_To_WGS_1984_1	5376	Geocentric_Translation	0	0	0

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CSG_1967_To_WGS_1984_1	1906	Geocentric_Translation	-186	230	110
Dabola_To_WGS_1984	1518	Geocentric_Translation	-83	37	124
Datum_73_To_ETRS_1989_2009_3par	5036	Geocentric_Translation	-233.15	110.132	36.711
Datum_73_To_WGS_1984_1	108110	Geocentric_Translation	-223.237	110.193	36.649
Datum_73_To_WGS_1984_2009_3par	108155	Geocentric_Translation	-233.15	110.132	36.711
Datum_73_To_WGS_1984_3	1983	Geocentric_Translation	-223.237	110.193	36.649
Datum_Lisboa_Bessel_To_WGS_1984_1	108113	Geocentric_Translation	508.088	-191.042	565.223
Datum_Lisboa_Hayford_To_Datum_73_1	108222	Geocentric_Translation	-80.809	-170.77	66.991
Datum_Lisboa_Hayford_To_Datum_Lisboa_Bessel_1	108224	Geocentric_Translation	-812.134	130.465	-461.583
Datum_Lisboa_Hayford_To_ETRS_1989_2009_3par	108158	Geocentric_Translation	-303.861	-60.693	103.607
Datum_Lisboa_Hayford_To_WGS_1984_1	108114	Geocentric_Translation	-304.046	-60.576	103.64
Datum_Lisboa_Hayford_To_WGS_1984_2009_3par	108159	Geocentric_Translation	-303.861	-60.693	103.607
Dealul_Piscului_1933_To_WGS_1984_1	1995	Geocentric_Translation	103.25	-100.4	-307.19
Dealul_Piscului_1970_To_WGS_1984_1	1996	Geocentric_Translation	44.107	-116.147	-54.648
Dealul_Piscului_1970_To_WGS_1984_2	1097	Geocentric_Translation	28	-121	-77
Deception_Island_To_WGS_1984	15812	Geocentric_Translation	260	12	-147
Deir_ez_Zor_To_WGS_1972_BE	1584	Geocentric_Translation	-174.6	-3.1	236.2
Deir_ez_Zor_To_WGS_1984_2	15741	Geocentric_Translation	-187.5	14.1	237.6
Deir_ez_Zor_To_WGS_1984_4	1587	Geocentric_Translation	-191.77	15.01	235.07
Deir_ez_Zor_To_WGS_1984_5	15742	Geocentric_Translation	-190.421	8.532	238.69
DGN_1995_To_WGS_1984_1	15912	Geocentric_Translation	0	0	0
Dominica_1945_To_WGS_1984	1442	Geocentric_Translation	725	685	536
DOS_1968_To_WGS_1984	108259	Geocentric_Translation	230	-199	-752
DOS_71_4_To_WGS_1984	15798	Geocentric_Translation	-320	550	-494
Douala_1948_To_WGS_1984_1	15873	Geocentric_Translation	-206.1	-174.7	-87.7
DRUKREF_03_To_WGS_1984_1	5267	Geocentric_Translation	0	0	0
Easter_Island_1967_To_WGS_1984	15806	Geocentric_Translation	211	147	111
ED_1950_ED77_To_WGS_1984_2	1141	Geocentric_Translation	-117	-132	-164
ED_1950_ED77_To_WGS_1984_3	1856	Geocentric_Translation	-122.89	-159.08	-168.74
ED_1950_ED77_To_WGS_1984_4	1857	Geocentric_Translation	-84.78	-107.55	-137.25
ED_1950_ED77_To_WGS_1984_5	1858	Geocentric_Translation	-123.92	-155.515	-157.721
ED_1950_ED77_To_WGS_1984_6	15745	Geocentric_Translation	-123.02	-158.95	-168.47
ED_1950_To_ETRS_1989_10	1650	Geocentric_Translation	-84	-97	-117
ED_1950_To_ETRS_1989_13	5040	Geocentric_Translation	-87.987	-108.639	-121.593
ED_1950_To_ETRS_1989_5	1628	Geocentric_Translation	-116.8	-106.4	-154.4
ED_1950_To_WGS_1984_1	1133	Geocentric_Translation	-87	-98	-121
ED_1950_To_WGS_1984_10	1142	Geocentric_Translation	-97	-103	-120
ED_1950_To_WGS_1984_11	1143	Geocentric_Translation	-97	-88	-135
ED_1950_To_WGS_1984_12	1144	Geocentric_Translation	-107	-88	-149
ED_1950_To_WGS_1984_13	1145	Geocentric_Translation	-84	-107	-120
ED_1950_To_WGS_1984_16	1245	Geocentric_Translation	-112	-77	-145
ED_1950_To_WGS_1984_17	1275	Geocentric_Translation	-84	-97	-117
ED_1950_To_WGS_1984_19	1440	Geocentric_Translation	-86	-92.2	-127.5
ED_1950_To_WGS_1984_2	1134	Geocentric_Translation	-87	-96	-120
ED_1950_To_WGS_1984_26	1629	Geocentric_Translation	-116.8	-106.4	-154.4
ED_1950_To_WGS_1984_3	1135	Geocentric_Translation	-103	-106	-141

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ED_1950_To_WGS_1984_37	1087	Geocentric_Translation	-112	-110.3	-140.2
ED_1950_To_WGS_1984_38	1075	Geocentric_Translation	-89.05	-87.03	-124.56
ED_1950_To_WGS_1984_39	1853	Geocentric_Translation	-82.31	-95.23	-114.96
ED_1950_To_WGS_1984_4	1136	Geocentric_Translation	-104	-101	-140
ED_1950_To_WGS_1984_42	15964	Geocentric_Translation	-86.277	-108.879	-120.181
ED_1950_To_WGS_1984_5	1137	Geocentric_Translation	-130	-117	-151
ED_1950_To_WGS_1984_6	1138	Geocentric_Translation	-86	-96	-120
ED_1950_To_WGS_1984_7	1139	Geocentric_Translation	-87	-95	-120
ED_1950_To_WGS_1984_8	1140	Geocentric_Translation	-84	-95	-130
ED_1950_To_WGS_1984_9	108275	Geocentric_Translation	-117	-132	-164
ED_1950_To_WGS_1984_PT3	108111	Geocentric_Translation	-86.277	-108.879	-120.181
Egypt_1907_To_WGS_1972	1545	Geocentric_Translation	-121.8	98.1	-15.2
Egypt_1907_To_WGS_1984	1148	Geocentric_Translation	-130	110	-13
Egypt_1907_To_WGS_1984_3	1546	Geocentric_Translation	-146.21	112.63	4.05
Egypt_Gulf_of_Suez_S-650_TL_To_WGS_1972_BE_1	15792	Geocentric_Translation	-123	98	2
Egypt_Gulf_of_Suez_S-650_TL_To_WGS_1984_2	15846	Geocentric_Translation	-146.21	112.63	4.05
ELD_1979_To_LGD2006_1	15924	Geocentric_Translation	92.5515	10.8194	-149.8852
ELD_1979_To_WGS_1984_1	1859	Geocentric_Translation	-69.06	-90.71	-142.56
ELD_1979_To_WGS_1984_2	1860	Geocentric_Translation	-113.997	-97.076	-152.312
ELD_1979_To_WGS_1984_3	1861	Geocentric_Translation	-114.5	-96.1	-151.9
ELD_1979_To_WGS_1984_6	15707	Geocentric_Translation	-118.996	-111.177	-198.687
ELD_1979_To_WGS_1984_7	15778	Geocentric_Translation	-114.7	-98.5	-150.7
ELD_1979_To_WGS_1984_8	15909	Geocentric_Translation	-115.8543	-99.0583	-152.4616
ELD_1979_To_WGS_1984_9	15923	Geocentric_Translation	-117.7	-100.3	-152.4
Estonia_1937_To_ETRS_1989	108272	Geocentric_Translation	372.87	149.23	585.29
Estonia_1937_To_WGS_1984_NGA	108261	Geocentric_Translation	374	150	588
Estonia_1997_To_ETRS_1989_1	1648	Geocentric_Translation	0	0	0
Estonia_1997_To_WGS_1984_1	1649	Geocentric_Translation	0	0	0
European_1950_To_WGS_1984_33	1985	Geocentric_Translation	-87.987	-108.639	-121.593
European_1979_To_WGS_1984	15752	Geocentric_Translation	-86	-98	-119
Fahud_To_WGS_1984	1256	Geocentric_Translation	-346	-1	224
FD_1954_To_ED_1950_1	15866	Geocentric_Translation	-153.33	-169.41	86.39
FD_1958_To_WGS_1984	1513	Geocentric_Translation	-241.54	-163.64	396.06
FD_1958_To_WGS_1984_2	1854	Geocentric_Translation	-239.1	-170.02	397.5
FD_1958_To_WGS_1984_3	1855	Geocentric_Translation	-244.72	-162.773	400.75
Fiji_1956_To_WGS_1984_1	15875	Geocentric_Translation	265.025	384.929	-194.046
Fort_Desaix_To_WGS_1984_1	1909	Geocentric_Translation	186	482	151
Fort_Marigot_To_WGS_1984_1	1903	Geocentric_Translation	137	248	-430
Fort_Thomas_1955_To_WGS_1984	108262	Geocentric_Translation	-7	215	225
Gan_1970_To_WGS_1984_1	15713	Geocentric_Translation	-133	-321	50
Garoua_To_WGS_1972_BE_1	1805	Geocentric_Translation	-56.1	-167.8	13.1
GGRS_1987_To_WGS_1984	1272	Geocentric_Translation	-199.87	74.79	246.62
Graciosa_1948_To_PTRA08_1_3par	108240	Geocentric_Translation	-105.679	166.1	-37.322
Graciosa_1948_To_PTRA08_2_3par	108241	Geocentric_Translation	-105.377	165.769	-36.965
Graciosa_1948_To_PTRA08_3_3par	108242	Geocentric_Translation	-105.359	165.804	-37.05
Graciosa_1948_To_PTRA08_4_3par	108243	Geocentric_Translation	-105.531	166.39	-37.326
Graciosa_1948_To_PTRA08_5_3par	108244	Geocentric_Translation	-105.756	165.972	-37.313

Geographic (datum) Transformation Name	WKID	Method	dx	dy	dz
Graciosa_1948_To_PTRA08_6_3par	108245	Geocentric_Translation	-106.235	166.236	-37.768
Graciosa_1948_To_WGS_1984_1_3par	108292	Geocentric_Translation	-105.679	166.1	-37.322
Graciosa_1948_To_WGS_1984_2_3par	108293	Geocentric_Translation	-105.377	165.769	-36.965
Graciosa_1948_To_WGS_1984_3_3par	108294	Geocentric_Translation	-105.359	165.804	-37.05
Graciosa_1948_To_WGS_1984_4_3par	108295	Geocentric_Translation	-105.531	166.39	-37.326
Graciosa_1948_To_WGS_1984_5_3par	108296	Geocentric_Translation	-105.756	165.972	-37.313
Graciosa_1948_To_WGS_1984_6_3par	108297	Geocentric_Translation	-106.235	166.236	-37.768
Graciosa_Base_SW_1948_To_WGS_1984_1	108112	Geocentric_Translation	-106.226	166.366	-37.893
Grand_Cayman_1959_To_WGS_1984_1	15830	Geocentric_Translation	67.8	106.1	138.8
Grand_Comoros_To_WGS_1984_1	5521	Geocentric_Translation	-963	510	-359
Greenland_1996_To_WGS_1984_1	15879	Geocentric_Translation	0	0	0
Grenada_1953_To_WGS_1984	1443	Geocentric_Translation	72	213.7	93
Guam_1963_To_HARN_Marianas_Rota	108137	Geocentric_Translation	-96.234	-252.601	258.222
Guam_1963_To_HARN_Marianas_Saipan	108138	Geocentric_Translation	-91.766	-255.817	255.702
Guam_1963_To_HARN_Marianas_Tinian_Aguijan	108139	Geocentric_Translation	-93.062	-255.309	256.696
Guam_1963_To_WGS_1984_1	1070	Geocentric_Translation	-100	-248	259
Guam_1963_To_WGS_1984_Saipan	108299	Geocentric_Translation	59.935	118.4	-10.871
Gulshan_303_To_WGS_1984_1	15779	Geocentric_Translation	283.7	735.9	261.1
Gunung_Segara_To_WGS_1984_1	1897	Geocentric_Translation	-403	684	41
Gunung_Segara_To_WGS_1984_2	1898	Geocentric_Translation	-387.06	636.53	46.29
Gunung_Segara_To_WGS_1984_3	1899	Geocentric_Translation	-403.4	681.12	46.56
Gunung_Segara_To_WGS_1984_4	1838	Geocentric_Translation	-404.78	685.68	45.47
GUX_1_To_WGS_1984	108263	Geocentric_Translation	252	-209	-751
Hanoi_1972_To_WGS_1984	1544	Geocentric_Translation	-17.51	-108.32	-62.39
Hartebeesthoek94_To_WGS_1984	1505	Geocentric_Translation	0	0	0
Herat_North_To_WGS_1984	1246	Geocentric_Translation	-333	-222	114
Hermannskogel_To_WGS_1984	108264	Geocentric_Translation	682	-203	480
Hito_XVIII_1963_To_WGS_1984_2	1892	Geocentric_Translation	16	196	93
Hjorsey_1955_To_WGS_1984	1951	Geocentric_Translation	-73	46	-86
Hong_Kong_1963_67_To_WGS_1984	15842	Geocentric_Translation	-156	-271	-189
HTRS96_To_ETRS_1989_1	15966	Geocentric_Translation	0	0	0
HTRS96_To_WGS_1984_1	15967	Geocentric_Translation	0	0	0
Hungarian_1972_To_WGS_1984_2	1831	Geocentric_Translation	57.01	-69.97	-9.29
Hungarian_1972_To_WGS_1984_4	1242	Geocentric_Translation	52.17	-71.82	-14.9
Hu_Tzu_Shan_To_WGS_1984	1152	Geocentric_Translation	-637	-549	-203
IGCB_1955_To_WGS_1984_1	15787	Geocentric_Translation	-79.9	-158	-168.9
IGM_1995_To_ETRS_1989_1	1098	Geocentric_Translation	0	0	0
IGM_1995_To_WGS_1984_1	1099	Geocentric_Translation	0	0	0
IGN53_Mare_To_RGNC_1991-93_1	15884	Geocentric_Translation	287.58	177.78	-135.41
IGN53_Mare_To_WGS_1984_2	15783	Geocentric_Translation	287	178	-136
IGN53_Mare_To_WGS_1984_3	15901	Geocentric_Translation	287.58	177.78	-135.41
IGN56_Lifou_To_RGNC_1991-93_1	15883	Geocentric_Translation	335.47	222.58	-230.94
IGN56_Lifou_To_WGS_1984_1	1917	Geocentric_Translation	336	223	-231
IGN56_Lifou_To_WGS_1984_3	15902	Geocentric_Translation	335.47	222.58	-230.94
IGN72_Grande_Terre_To_RGNC_1991-93_1	15882	Geocentric_Translation	-11.64	-348.6	291.98
IGN72_Grande_Terre_To_WGS_1984_1	1962	Geocentric_Translation	-13	-348	292

Geographic (datum) Transformation Name	WKID	Method	dx	dy	dz
IGN72_Grande_Terre_To_WGS_1984_3	15903	Geocentric_Translation	-11.64	-348.6	291.98
IGN72_Nuku_Hiva_To_WGS_1984_1	1914	Geocentric_Translation	84	274	65
IGRS_To_WGS_1984_1	3894	Geocentric_Translation	0	0	0
IKBD_1992_To_WGS_1984_1	1993	Geocentric_Translation	0	0	0
Indian_1954_To_WGS_1984	1153	Geocentric_Translation	217	823	299
Indian_1960_To_WGS_1972_BE	1541	Geocentric_Translation	199	931	317
Indian_1960_To_WGS_1984_2	1542	Geocentric_Translation	198	881	317
Indian_1960_To_WGS_1984_3	1543	Geocentric_Translation	182	915	344
Indian_1975_To_WGS_1984	1154	Geocentric_Translation	209	818	290
Indian_1975_To_WGS_1984_2	1304	Geocentric_Translation	210	814	289
Indian_1975_To_WGS_1984_3	1537	Geocentric_Translation	204.64	834.74	293.8
Indonesian_1974_To_WGS_1984	1248	Geocentric_Translation	-24	-15	5
IRENET95_To_ETRF_1989	108197	Geocentric_Translation	0	0	0
IRENET95_To_ETRS_1989	1611	Geocentric_Translation	0	0	0
IRENET95_To_WGS_1984_1	1678	Geocentric_Translation	0	0	0
ISN_1993_To_WGS_1984_1	1952	Geocentric_Translation	0	0	0
ISN_2004_To_WGS_1984_1	5327	Geocentric_Translation	0	0	0
Israel_To_WGS_1984	1073	Geocentric_Translation	-48	55	52
ISTS_061_1968_To_WGS_1984	15813	Geocentric_Translation	-794	119	-298
ISTS_073_1969_To_WGS_1984	15808	Geocentric_Translation	208	-435	-229
ITRF_2000_To_WGS_1984	108280	Geocentric_Translation	0	0	0
JAD_2001_To_WGS_1984	15925	Geocentric_Translation	0	0	0
Jamaica_1969_To_WGS_1972_1	10086	Geocentric_Translation	48	208	382
Jamaica_1969_To_WGS_1972_2	1083	Geocentric_Translation	50	212	381
Jamaica_1969_To_WGS_1984_1	1084	Geocentric_Translation	70	207	389.5
Jamaica_1969_To_WGS_1984_2	1085	Geocentric_Translation	65.334	212.46	387.63
JGD_2000_To_WGS_1984	108107	Geocentric_Translation	-1.126	-0.077	-0.037
JGD_2000_To_WGS_1984_1	1826	Geocentric_Translation	0	0	0
Johnston_Island_1961_To_WGS_1984	15809	Geocentric_Translation	189	-79	-202
Jordan_To_WGS_1984	108233	Geocentric_Translation	-86	-98	-119
Jouik_1961_To_WGS_1984_1	15870	Geocentric_Translation	-80.01	253.26	291.19
Kalianpur_1937_To_WGS_1984_1	1155	Geocentric_Translation	282	726	254
Kalianpur_1937_To_WGS_1984_2	1533	Geocentric_Translation	214	804	268
Kalianpur_1962_To_WGS_1984_1	1247	Geocentric_Translation	283	682	231
Kalianpur_1962_To_WGS_1984_2	15701	Geocentric_Translation	275.57	676.78	229.6
Kalianpur_1962_To_WGS_1984_3	15702	Geocentric_Translation	278.9	684.39	226.05
Kalianpur_1962_To_WGS_1984_4	15703	Geocentric_Translation	271.905	669.593	231.495
Kalianpur_1962_To_WGS_1984_6	15494	Geocentric_Translation	274.164	677.282	226.704
Kalianpur_1975_To_WGS_1984_1	1156	Geocentric_Translation	295	736	257
Kandawala_To_WGS_1984	1157	Geocentric_Translation	-97	787	86
Karbala_1979_PolSERVICE_To_IGRS_1	5077	Geocentric_Translation	70.995	-335.916	262.898
Karbala_1979_PolSERVICE_To_WGS_1984_1	15872	Geocentric_Translation	84.1	-320.1	218.7
Karbala_1979_PolSERVICE_To_WGS_1984_2	5078	Geocentric_Translation	70.995	-335.916	262.898
Katanga_1955_To_RGRDC_2005_1	4065	Geocentric_Translation	-103.746	-9.614	-255.95
Katanga_1955_To_WGS_1984_1	4066	Geocentric_Translation	-103.746	-9.614	-255.95
Kerguelen_Island_1949_To_WGS_1984_1	15850	Geocentric_Translation	145	-187	103
Kertau_RSO_To_Kertau_1	15896	Geocentric_Translation	0	0	0

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Kertau_To_WGS_1984	1158	Geocentric_Translation	-11	851	5
KOC_To_WGS_1984_1	1059	Geocentric_Translation	-294.7	-200.1	525.5
Korea_2000_To_WGS_1984_1	15831	Geocentric_Translation	0	0	0
Korean_1995_To_WGS_1984_1	1558	Geocentric_Translation	0	0	0
Kousseri_To_WGS_1972_BE_1	1806	Geocentric_Translation	-104.4	-136.6	201.2
KUDAMS_To_WGS_1984_1	1061	Geocentric_Translation	-20.8	11.3	2.4
Kusaie_1951_To_WGS_1984	15810	Geocentric_Translation	647	1777	-1124
La_Canoa_To_WGS_1984	1516	Geocentric_Translation	-273.5	110.6	-357.9
Lao_1993_To_Lao_1997_1	1064	Geocentric_Translation	-0.652	1.619	0.213
Lao_1997_To_WGS_1984_1	1065	Geocentric_Translation	44.585	-131.212	-39.544
LC5_1961_To_WGS_1984	108268	Geocentric_Translation	42	124	147
Leigon_To_WGS_1984	1159	Geocentric_Translation	-130	29	364
Le_Pouce_1934_To_WGS_1984_1	15784	Geocentric_Translation	-770.1	158.4	-498.2
LGD2006_To_WGS_1984_1	15908	Geocentric_Translation	-208.4058	-109.8777	-2.5764
Liberia_1964_To_WGS_1984	1160	Geocentric_Translation	-90	40	88
Lisbon_1890_To_ETRS_1989_1	5039	Geocentric_Translation	508.088	-191.042	565.223
Lisbon_1890_To_WGS_1984_1	1986	Geocentric_Translation	508.088	-191.042	565.223
Lisbon_To_ETRS_1989_3	5038	Geocentric_Translation	-303.861	-60.693	103.607
Lisbon_To_WGS_1984_3	1984	Geocentric_Translation	-304.046	-60.576	103.64
Little_Cayman_1961_To_WGS_1984_1	15814	Geocentric_Translation	42	124	147
Little_Cayman_1961_To_WGS_1984_2	15829	Geocentric_Translation	44.4	109	151.7
LKS_1992_To_WGS_1984_1	1958	Geocentric_Translation	0	0	0
LKS_1994_To_WGS_1984	1283	Geocentric_Translation	0	0	0
Locodjo_1965_To_WGS_1984	1469	Geocentric_Translation	-125	53	467
Luzon_1911_To_WGS_1984_1	1161	Geocentric_Translation	-133	-77	-51
Luzon_1911_To_WGS_1984_2	1162	Geocentric_Translation	-133	-79	-72
MAGNA_To_SIRGAS	108290	Geocentric_Translation	0	0	0
MAGNA_To_WGS_1984_1	15738	Geocentric_Translation	0	0	0
Mahe_1971_To_WGS_1984	1164	Geocentric_Translation	41	-220	-134
Majuro_To_NAD_1983	108135	Geocentric_Translation	25.1	-275.6	222.6
Makassar_To_WGS_1984_1	1837	Geocentric_Translation	-587.8	519.75	145.76
Malongo_1987_To_WGS_1984_1	1330	Geocentric_Translation	-252.95	-4.11	-96.38
Malongo_1987_To_WGS_1984_2	1557	Geocentric_Translation	-254.1	-5.4	-100.3
Malongo_1987_To_WGS_1984_3	15791	Geocentric_Translation	-259.99	-5.28	-97.09
Manoca_1962_To_WGS_1972_BE_1	1902	Geocentric_Translation	-56.7	-171.8	-40.6
Manoca_1962_To_WGS_1984_1	1796	Geocentric_Translation	-70.9	-151.8	-41.4
Manoca_To_WGS_1984_1	1316	Geocentric_Translation	-70.9	-151.8	-41.4
MARCARIO_SOLIS_To_WGS_1984_1	5377	Geocentric_Translation	0	0	0
MARGEN_To_WGS_1984_1	5374	Geocentric_Translation	0	0	0
Massawa_To_WGS_1984	1165	Geocentric_Translation	639	405	60
Maupiti_1983_To_RGPF_1	15759	Geocentric_Translation	217.037	86.959	23.956
Maupiti_1983_To_WGS_1984_1	15771	Geocentric_Translation	217.037	86.959	23.956
Mauritania_1999_To_WGS_1984_1	15860	Geocentric_Translation	0	0	0
Merchich_Degree_To_WGS_1984	108279	Geocentric_Translation	31	146	47
Merchich_To_WGS_1984	1166	Geocentric_Translation	31	146	47
Mexican_Datum_1993_To_WGS_1984_1	4832	Geocentric_Translation	0	0	0

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MGI_1901_To_WGS_1984_1	3962	Geocentric_Translation	682	-203	480
MGI_1901_To_WGS_1984_6	3965	Geocentric_Translation	695.5	-216.6	491.1
MGI_Ferro_To_WGS_1984	8263	Geocentric_Translation	682	-203	480
MGI_To_WGS_1984	1306	Geocentric_Translation	682	-203	480
MGI_To_WGS_1984_6	1794	Geocentric_Translation	695.5	-216.6	491.1
Mhast_offshore_To_WGS_1972_BE_1	15790	Geocentric_Translation	-255	-29	-105
Midway_1961_To_WGS_1984	15818	Geocentric_Translation	403	-81	277
Midway_1961_To_WGS_1984_Old	15817	Geocentric_Translation	912	-58	1227
Minna_To_WGS_1984_1	1167	Geocentric_Translation	-81	-84	115
Minna_To_WGS_1984_10	1824	Geocentric_Translation	-93	-94	124
Minna_To_WGS_1984_11	1067	Geocentric_Translation	-92.1	-89.9	114.9
Minna_To_WGS_1984_13	15706	Geocentric_Translation	-93.6	-83.7	113.8
Minna_To_WGS_1984_14	15755	Geocentric_Translation	-90.2	-87.32	114.17
Minna_To_WGS_1984_15	15493	Geocentric_Translation	-94.031	-83.317	116.708
Minna_To_WGS_1984_2	1168	Geocentric_Translation	-92	-93	122
Minna_To_WGS_1984_6	1820	Geocentric_Translation	-93.2	-93.31	121.156
Minna_To_WGS_1984_7	1821	Geocentric_Translation	-88.98	-83.23	113.55
Minna_To_WGS_1984_8	1822	Geocentric_Translation	-92.726	-90.304	115.735
Minna_To_WGS_1984_9	1823	Geocentric_Translation	-93.134	-86.647	114.196
MOLDREF99_To_ETRS_1989_1	5584	Geocentric_Translation	0	0	0
MOLDREF99_To_WGS_1984_1	5585	Geocentric_Translation	0	0	0
MONREF_1997_To_MSK_1942_2	108287	Geocentric_Translation	-12.6212134867	138.667639968	73.9961390849
MONREF_1997_To_Pulkovo_1942_2	108289	Geocentric_Translation	-12.6212134867	138.667639968	73.9961390849
Monte_Mario_Rome_To_WGS_1984	8175	Geocentric_Translation	-225	-65	9
Monte_Mario_To_WGS_1984	1169	Geocentric_Translation	-225	-65	9
Monte_Mario_To_WGS_1984_10	1093	Geocentric_Translation	-229.08	-65.73	20.21
Monte_Mario_To_WGS_1984_11	1094	Geocentric_Translation	-230.47	-56.08	22.43
Monte_Mario_To_WGS_1984_5	1088	Geocentric_Translation	-223.7	-67.38	1.34
Monte_Mario_To_WGS_1984_6	1089	Geocentric_Translation	-225.4	-67.7	7.85
Monte_Mario_To_WGS_1984_7	1090	Geocentric_Translation	-227.1	-68.1	14.4
Monte_Mario_To_WGS_1984_8	1091	Geocentric_Translation	-231.61	-68.21	13.93
Monte_Mario_To_WGS_1984_9	1092	Geocentric_Translation	-225.06	-67.37	14.61
Montserrat_1958_To_WGS_1984	1444	Geocentric_Translation	174	359	365
MOP78_To_WGS_1984_1	1925	Geocentric_Translation	252	-132	-125
MOP78_To_WGS_1984_2	15847	Geocentric_Translation	253	-132	-127
Mporaloko_To_WGS_1984	1163	Geocentric_Translation	-74	-130	42
Mporaloko_To_WGS_1984_2	1532	Geocentric_Translation	-80.7	-132.5	41.1
NAD_1927_To_WGS_1984_1	1170	Geocentric_Translation	-3	142	183
NAD_1927_To_WGS_1984_10	1179	Geocentric_Translation	-7	162	188
NAD_1927_To_WGS_1984_11	1180	Geocentric_Translation	-9	157	184
NAD_1927_To_WGS_1984_12	1181	Geocentric_Translation	-22	160	190
NAD_1927_To_WGS_1984_13	1182	Geocentric_Translation	4	159	188
NAD_1927_To_WGS_1984_14	1183	Geocentric_Translation	-7	139	181
NAD_1927_To_WGS_1984_15	1184	Geocentric_Translation	0	125	201
NAD_1927_To_WGS_1984_16	1185	Geocentric_Translation	-9	152	178
NAD_1927_To_WGS_1984_17	1186	Geocentric_Translation	11	114	195
NAD_1927_To_WGS_1984_18	1187	Geocentric_Translation	-12	130	190

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NAD_1927_To_WGS_1984_2	1171	Geocentric_Translation	0	125	194
NAD_1927_To_WGS_1984_21	1249	Geocentric_Translation	-2	152	149
NAD_1927_To_WGS_1984_22	1250	Geocentric_Translation	2	204	105
NAD_1927_To_WGS_1984_3	1172	Geocentric_Translation	-10	158	187
NAD_1927_To_WGS_1984_30	1530	Geocentric_Translation	-4.2	135.4	181.9
NAD_1927_To_WGS_1984_4	1173	Geocentric_Translation	-8	160	176
NAD_1927_To_WGS_1984_5	1174	Geocentric_Translation	-9	161	179
NAD_1927_To_WGS_1984_6	1175	Geocentric_Translation	-8	159	175
NAD_1927_To_WGS_1984_7	1176	Geocentric_Translation	-5	135	172
NAD_1927_To_WGS_1984_8	1177	Geocentric_Translation	-4	154	178
NAD_1927_To_WGS_1984_80	15852	Geocentric_Translation	-3	154	177
NAD_1927_To_WGS_1984_81	15853	Geocentric_Translation	-7	151	175
NAD_1927_To_WGS_1984_82	15854	Geocentric_Translation	-7	151	178
NAD_1927_To_WGS_1984_83	15855	Geocentric_Translation	-8	125	190
NAD_1927_To_WGS_1984_84	15856	Geocentric_Translation	-7	158	172
NAD_1927_To_WGS_1984_86	15913	Geocentric_Translation	0	125	196
NAD_1927_To_WGS_1984_87	15699	Geocentric_Translation	-2	124.7	196
NAD_1927_To_WGS_1984_9	1178	Geocentric_Translation	1	140	165
NAD_1983_CORS96_To_NAD_1983_2011	108357	Geocentric_Translation	0	0	0
NAD_1983_CORS96_To_NAD_1983_HARN	108148	Geocentric_Translation	0	0	0
NAD_1983_CORS96_To_NAD_1983_NSRS2007	108149	Geocentric_Translation	0	0	0
NAD_1983_CSRS_To_WGS_1984	1473	Geocentric_Translation	0	0	0
NAD_1983_CSRS_To_WGS_1984_1	1842	Geocentric_Translation	0	0	0
NAD_1983_HARN_To_NAD_1983_2011	108355	Geocentric_Translation	0	0	0
NAD_1983_HARN_To_NAD_1983_NSRS2007_1	4461	Geocentric_Translation	0	0	0
NAD_1983_HARN_To_WGS_1984	1580	Geocentric_Translation	0	0	0
NAD_1983_HARN_To_WGS_1984_Saipan	108300	Geocentric_Translation	1.2	0.4	0.55
NAD_1983_NSRS2007_To_NAD_1983_2011	108356	Geocentric_Translation	0	0	0
NAD_1983_NSRS2007_To_WGS_1984_1	15931	Geocentric_Translation	0	0	0
NAD_1983_To_NAD_1983_CSRS_4	1950	Geocentric_Translation	0	0	0
NAD_1983_To_WGS_1984_1	1188	Geocentric_Translation	0	0	0
NAD_1983_To_WGS_1984_2	1251	Geocentric_Translation	-2	0	4
NAD_1983_To_WGS_1984_3	1252	Geocentric_Translation	1	1	-1
Nahrwan_1967_To_WGS_1984_1	1189	Geocentric_Translation	-247	-148	369
Nahrwan_1967_To_WGS_1984_10	15953	Geocentric_Translation	-250.7	-157.9	380.4
Nahrwan_1967_To_WGS_1984_2	1190	Geocentric_Translation	-243	-192	477
Nahrwan_1967_To_WGS_1984_3	1191	Geocentric_Translation	-249	-156	381
Nahrwan_1967_To_WGS_1984_4	1531	Geocentric_Translation	-245	-153.9	382.8
Nahrwan_1967_To_WGS_1984_5	1536	Geocentric_Translation	-250.2	-153.09	391.7
Nahrwan_1967_To_WGS_1984_6	15871	Geocentric_Translation	-242.2	-144.9	370.3
Nahrwan_1967_To_WGS_1984_7	15937	Geocentric_Translation	-245.8	-152.2	382.9
Nahrwan_1967_To_WGS_1984_9	15952	Geocentric_Translation	-244.2	-149.8	379.3
Nakhl-e_Ghanem_To_WGS_1984_6	15746	Geocentric_Translation	0	-0.15	0.68
Naparima_1955_To_WGS_1984_2	1555	Geocentric_Translation	-0.465	372.095	171.736
Naparima_1955_To_WGS_1984_3	1556	Geocentric_Translation	-2	374	172
Naparima_1972_To_WGS_1984	1192	Geocentric_Translation	-10	375	165

Geographic (datum) Transformation Name	WKID	Method	dx	dy	dz
Naparima_1972_To_WGS_1984_2	8212	Geocentric_Translation	-0.465	372.095	171.736
Naparima_1972_To_WGS_1984_3	1307	Geocentric_Translation	-2	374	172
NEA74_Noumea_To_RGNC_1991-93_1	15886	Geocentric_Translation	-10.18	-350.43	291.37
NEA74_Noumea_To_WGS_1984_2	15904	Geocentric_Translation	-10.18	-350.43	291.37
Nepal_Nagarkot_To_WGS_1984_1	108015	Geocentric_Translation	296	732	273
Nepal_Nagarkot_To_WGS_1984_2	108016	Geocentric_Translation	296.207	731.545	273.001
New_Zealand_1949_To_NZGD_2000_1_3PAR	1566	Geocentric_Translation	54.4	-20.1	183.1
NGN_To_WGS_1984_1	1060	Geocentric_Translation	-3.2	-5.7	2.8
Nord_Sahara_1959_To_WGS_1972_BE	1560	Geocentric_Translation	-156.5	-87.2	285.9
Nord_Sahara_1959_To_WGS_1984	1253	Geocentric_Translation	-186	-93	310
Nord_Sahara_1959_To_WGS_1984_2	1255	Geocentric_Translation	-123	-206	219
Nord_Sahara_1959_To_WGS_1984_5	1816	Geocentric_Translation	-95.7	10.2	158.9
Nord_Sahara_1959_To_WGS_1984_6	1817	Geocentric_Translation	-165.914	-70.607	305.009
Nord_Sahara_1959_To_WGS_1984_7	15874	Geocentric_Translation	-169.559	-72.34	303.102
Nouakchott_1965_To_WGS_1984_1	15709	Geocentric_Translation	124.5	-63.5	-281
NTF_Paris_To_ED_1950	8186	Geocentric_Translation	-84	37	437
NTF_Paris_To_RGF_1993_1	108102	Geocentric_Translation	-168	-60	320
NTF_Paris_To_WGS_1972	8188	Geocentric_Translation	-168	-72	314
NTF_Paris_To_WGS_1984	8094	Geocentric_Translation	-168	-60	320
NTF_To_ED_1950	1276	Geocentric_Translation	-84	37	437
NTF_To_ETRS_1989_1	1651	Geocentric_Translation	-168	-60	320
NTF_To_RGF_1993_1	108130	Geocentric_Translation	-168	-60	320
NTF_To_WGS_1972	1277	Geocentric_Translation	-168	-72	314
NTF_To_WGS_1984	1193	Geocentric_Translation	-168	-60	320
NZGD_1949_To_WGS_1984	1151	Geocentric_Translation	84	-22	209
NZGD_1949_To_WGS_1984_4	15975	Geocentric_Translation	54.4	-20.1	183.1
NZGD_2000_To_WGS_1984_1	1565	Geocentric_Translation	0	0	0
Observatorio_Meteorologico_1939_To_PTRA08_1_3par	108344	Geocentric_Translation	-423.058	-172.868	83.772
Observatorio_Meteorologico_1939_To_PTRA08_2_3par	108345	Geocentric_Translation	-423.053	-172.871	83.771
Observatorio_Meteorologico_1939_To_PTRA08_3_3par	108346	Geocentric_Translation	-423.024	-172.923	83.83
Observatorio_Meteorologico_1939_To_WGS_1984_1	108116	Geocentric_Translation	-422.651	-172.995	84.02
Observatorio_Meteorologico_1939_To_WGS_1984_1_3par	108350	Geocentric_Translation	-423.058	-172.868	83.772
Observatorio_Meteorologico_1939_To_WGS_1984_2_3par	108351	Geocentric_Translation	-423.053	-172.871	83.771
Observatorio_Meteorologico_1939_To_WGS_1984_3_3par	108352	Geocentric_Translation	-423.024	-172.923	83.83
Ocotepeque_1935_To_CR05	108200	Geocentric_Translation	213.11	9.37	-74.95
Ocotepeque_1935_To_WGS_1984_3PAR	108284	Geocentric_Translation	205	96	-98
Old_Hawaiian_Intl_1924_To_WGS_1984_Hawaii	108331	Geocentric_Translation	229	-222	-348
Old_Hawaiian_Intl_1924_To_WGS_1984_Kauai	108332	Geocentric_Translation	185	-233	-337
Old_Hawaiian_Intl_1924_To_WGS_1984_Maui	108333	Geocentric_Translation	205	-233	-355
Old_Hawaiian_Intl_1924_To_WGS_1984_Mean	108330	Geocentric_Translation	201	-228	-346
Old_Hawaiian_Intl_1924_To_WGS_1984_Oahu	108334	Geocentric_Translation	198	-226	-347
Old_Hawaiian_To_WGS_1984_1	15824	Geocentric_Translation	61	-285	-181
Old_Hawaiian_To_WGS_1984_2	15825	Geocentric_Translation	89	-279	-183
Old_Hawaiian_To_WGS_1984_3	15826	Geocentric_Translation	45	-290	-172
Old_Hawaiian_To_WGS_1984_4	15827	Geocentric_Translation	65	-290	-190
Old_Hawaiian_To_WGS_1984_5	15828	Geocentric_Translation	58	-283	-182
OSGB_1936_To_WGS_1984_1	1195	Geocentric_Translation	375	-111	431

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OSGB_1936_To_WGS_1984_2	1196	Geocentric_Translation	371	-112	434
OSGB_1936_To_WGS_1984_3	1197	Geocentric_Translation	371	-111	434
OSGB_1936_To_WGS_1984_4	1198	Geocentric_Translation	384	-111	425
OSGB_1936_To_WGS_1984_5	1199	Geocentric_Translation	370	-108	434
OSGB_1936_To_WGS_1984_8	5622	Geocentric_Translation	370.396	-108.938	435.682
Palestine_1923_To_Israel_1	1071	Geocentric_Translation	-181	-122	225
Palestine_1923_To_WGS_1984_1X	108220	Geocentric_Translation	-181	-122	225
Palestine_1923_To_WGS_1984_2	8650	Geocentric_Translation	-229	-67	277
Palestine_1923_To_WGS_1984_2X	108232	Geocentric_Translation	-219.247	-73.802	269.529
Pampa_del_Castillo_To_WGS_1984_1	15845	Geocentric_Translation	27.5	14	186.4
Peru96_To_WGS_1984_1	5378	Geocentric_Translation	0	0	0
Petrels_1972_To_WGS_1984_1	1921	Geocentric_Translation	365	194	166
Pico_de_Las_Nieves_To_WGS_1984	15815	Geocentric_Translation	-307	-92	127
Pitcairn_1967_To_WGS_1984	15819	Geocentric_Translation	185	165	42
Pitcairn_2006_To_WGS_1984_1	15972	Geocentric_Translation	0	0	0
PNG94_To_WGS_1984_1	5553	Geocentric_Translation	0	0	0
Pohnpei_To_NAD_1983	108133	Geocentric_Translation	-89.121	-348.182	260.871
Pohnpei_To_WGS_1984	108303	Geocentric_Translation	-89.121	-348.182	260.871
Point58_To_WGS_1984_1	1880	Geocentric_Translation	-106	-129	165
Pointe_Geologie_Perroud_1950_To_WGS_1984_1	1922	Geocentric_Translation	325	154	172
Pointe_Noire_To_WGS_1984	1200	Geocentric_Translation	-148	51	-291
Pointe_Noire_To_WGS_1984_2	1801	Geocentric_Translation	-145	52.7	-291.6
Porto_Santo_1936_To_PTRA08_1_3par	108163	Geocentric_Translation	-503.229	-247.375	312.582
Porto_Santo_1936_To_PTRA08_2_3par	108164	Geocentric_Translation	-503.174	-247.255	312.316
Porto_Santo_1936_To_PTRA08_3_3par	108165	Geocentric_Translation	-503.3	-247.574	313.025
Porto_Santo_1936_To_WGS_1984_1	1888	Geocentric_Translation	-499	-249	314
Porto_Santo_1936_To_WGS_1984_1_3par	108169	Geocentric_Translation	-503.229	-247.375	312.582
Porto_Santo_1936_To_WGS_1984_1_IGP	108115	Geocentric_Translation	-502.862	-247.438	312.724
Porto_Santo_1936_To_WGS_1984_2_3par	108170	Geocentric_Translation	-503.174	-247.255	312.316
Porto_Santo_1936_To_WGS_1984_3_3par	108171	Geocentric_Translation	-503.3	-247.574	313.025
Porto_Santo_1995_To_PTRA08_1	5021	Geocentric_Translation	-503.229	-247.375	312.582
Porto_Santo_1995_To_PTRA08_3	5023	Geocentric_Translation	-503.3	-247.574	313.025
Porto_Santo_1995_To_WGS_1984_2	1966	Geocentric_Translation	-502.862	-247.438	312.724
POSGAR_1994_To_WGS_1984_1	1210	Geocentric_Translation	0	0	0
POSGAR_1998_To_SIRGAS_1	1774	Geocentric_Translation	0	0	0
POSGAR_1998_To_WGS_1984_1	1773	Geocentric_Translation	0	0	0
POSGAR_2007_To_SIRGAS_2000_1	5497	Geocentric_Translation	0	0	0
POSGAR_To_WGS_1984_1	1598	Geocentric_Translation	0	0	0
PSAD_1956_To_WGS_1984_1	1201	Geocentric_Translation	-288	175	-376
PSAD_1956_To_WGS_1984_10	1582	Geocentric_Translation	-259.73	173.12	-398.27
PSAD_1956_To_WGS_1984_11	1583	Geocentric_Translation	-307.7	265.3	-363.5
PSAD_1956_To_WGS_1984_12	1811	Geocentric_Translation	-291.87	106.37	-364.52
PSAD_1956_To_WGS_1984_2	1202	Geocentric_Translation	-270	188	-388
PSAD_1956_To_WGS_1984_3	1203	Geocentric_Translation	-270	183	-390
PSAD_1956_To_WGS_1984_4	1204	Geocentric_Translation	-305	243	-442
PSAD_1956_To_WGS_1984_5	1205	Geocentric_Translation	-282	169	-371

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PSAD_1956_To_WGS_1984_6	1206	Geocentric_Translation	-278	171	-367
PSAD_1956_To_WGS_1984_7	1207	Geocentric_Translation	-298	159	-369
PSAD_1956_To_WGS_1984_8	1208	Geocentric_Translation	-279	175	-379
PSAD_1956_To_WGS_1984_9	1209	Geocentric_Translation	-295	173	-371
PTRA08_To_WGS_1984_1	4905	Geocentric_Translation	0	0	0
Puerto_Rico_To_WGS_1984_3	1893	Geocentric_Translation	11	72	-101
Pulkovo_1942_Adj_1958_To_WGS_1984_18	15496	Geocentric_Translation	44.107	-116.147	-54.648
Pulkovo_1942_Adj_1958_To_WGS_1984_4	15997	Geocentric_Translation	23	-124	-82
Pulkovo_1942_Adj_1958_To_WGS_1984_8	15999	Geocentric_Translation	24	-130	-92
Pulkovo_1942_Adj_1958_To_WGS_1984_9	15497	Geocentric_Translation	28	-121	-77
Pulkovo_1942_Adj_1983_To_WGS_1984_3	15996	Geocentric_Translation	28	-121	-77
Pulkovo_1942_Adj_1983_To_WGS_1984_5	15998	Geocentric_Translation	26	-121	-78
Pulkovo_1942_To_Ukraine_2000_1	5586	Geocentric_Translation	0	0	0
Pulkovo_1942_To_WGS_1984	1254	Geocentric_Translation	28	-130	-95
Pulkovo_1942_To_WGS_1984_3	1287	Geocentric_Translation	28	-121	-77
Pulkovo_1942_To_WGS_1984_4	1288	Geocentric_Translation	23	-124	-82
Pulkovo_1942_To_WGS_1984_5	1289	Geocentric_Translation	26	-121	-78
Pulkovo_1942_To_WGS_1984_6	1290	Geocentric_Translation	24	-124	-82
Pulkovo_1942_To_WGS_1984_7	1291	Geocentric_Translation	15	-130	-84
Pulkovo_1942_To_WGS_1984_8	1292	Geocentric_Translation	24	-130	-92
Pulkovo_1942_To_WGS_1984_9	1293	Geocentric_Translation	28	-121	-77
Pulkovo_1995_To_PZ_1990_GOST	1257	Geocentric_Translation	25.9	-130.94	-81.76
Qatar_1974_To_WGS_1984_1	1561	Geocentric_Translation	-128	-283	22
Qatar_1974_To_WGS_1984_2	1562	Geocentric_Translation	-128.16	-282.42	21.93
Qatar_1974_To_WGS_1984_3	1563	Geocentric_Translation	-128.033	-283.697	21.052
Qornoq_1927_To_WGS_1984_1	1797	Geocentric_Translation	164	138	-189
Rassadiran_To_WGS_1984	1512	Geocentric_Translation	-133.63	-157.5	-158.62
REGCAN95_To_WGS_1984_1	4084	Geocentric_Translation	0	0	0
REGVEN_To_SIRGAS_1	1767	Geocentric_Translation	0	0	0
REGVEN_To_WGS_1984_1	1768	Geocentric_Translation	0	0	0
Reunion_1947_To_WGS_1984_2	15751	Geocentric_Translation	94	-948	-1262
Reykjavik_1900_To_WGS_1984_1	1994	Geocentric_Translation	-28	199	5
RGAF09_To_WGS_1984_1	5501	Geocentric_Translation	0	0	0
RGF_1993_To_ETRF_1989_1	108199	Geocentric_Translation	0	0	0
RGF_1993_To_ETRS_1989_1	1591	Geocentric_Translation	0	0	0
RGF_1993_To_WGS_1984_1	1671	Geocentric_Translation	0	0	0
RGFG_1995_To_WGS_1984_2	4840	Geocentric_Translation	0	0	0
RGM_2004_To_WGS_1984_1	4476	Geocentric_Translation	0	0	0
RGNC_1991-93_To_WGS_1984_1	15880	Geocentric_Translation	0	0	0
RGNC_1991_To_WGS_1984_1	1920	Geocentric_Translation	0	0	0
RGPF_To_WGS_1984_2	15833	Geocentric_Translation	0	0	0
RGR_1992_To_WGS_1984_1	1912	Geocentric_Translation	0	0	0
RGRDC_2005_To_WGS_1984_1	4064	Geocentric_Translation	0	0	0
RGSPM_2006_To_WGS_1984_1	4477	Geocentric_Translation	0	0	0
RRAF_1991_To_WGS_1984_1	4560	Geocentric_Translation	0	0	0
RSRGD2000_To_WGS_1984_1	15974	Geocentric_Translation	0	0	0
SAD_1969_To_SIRGAS_2000_1	15485	Geocentric_Translation	-67.35	3.88	-38.22

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SAD_1969_To_WGS_1984_1	1864	Geocentric_Translation	-57	1	-41
SAD_1969_To_WGS_1984_10	1873	Geocentric_Translation	-61	2	-33
SAD_1969_To_WGS_1984_11	1874	Geocentric_Translation	-58	0	-44
SAD_1969_To_WGS_1984_12	1875	Geocentric_Translation	-45	12	-33
SAD_1969_To_WGS_1984_13	1876	Geocentric_Translation	-45	8	-33
SAD_1969_To_WGS_1984_14	1877	Geocentric_Translation	-66.87	4.37	-38.52
SAD_1969_To_WGS_1984_2	1865	Geocentric_Translation	-62	-1	-37
SAD_1969_To_WGS_1984_3	1866	Geocentric_Translation	-61	2	-48
SAD_1969_To_WGS_1984_4	1867	Geocentric_Translation	-60	-2	-41
SAD_1969_To_WGS_1984_5	1868	Geocentric_Translation	-75	-1	-44
SAD_1969_To_WGS_1984_6	1869	Geocentric_Translation	-44	6	-36
SAD_1969_To_WGS_1984_7	1870	Geocentric_Translation	-48	3	-44
SAD_1969_To_WGS_1984_8	1871	Geocentric_Translation	-47	26	-42
SAD_1969_To_WGS_1984_9	1872	Geocentric_Translation	-53	3	-47
Sainte_Anne_To_WGS_1984_1	1904	Geocentric_Translation	-467	-16	-300
Saint_Pierre_et_Miquelon_1950_To_WGS_1984_1	1923	Geocentric_Translation	30	430	368
Santo_DOS_1965_To_WGS_1984	15820	Geocentric_Translation	170	42	84
Sao_Braz_To_PTRA08_1_3par	108175	Geocentric_Translation	-204.926	140.353	55.063
Sao_Braz_To_PTRA08_2_3par	108176	Geocentric_Translation	-204.519	140.159	55.404
Sao_Braz_To_PTRA08_3_3par	108177	Geocentric_Translation	-205.808	140.771	54.326
Sao_Braz_To_WGS_1984_1	108117	Geocentric_Translation	-204.619	140.176	55.226
Sao_Braz_To_WGS_1984_1_3par	108181	Geocentric_Translation	-204.926	140.353	55.063
Sao_Braz_To_WGS_1984_2_3par	108182	Geocentric_Translation	-204.519	140.159	55.404
Sao_Braz_To_WGS_1984_3_3par	108183	Geocentric_Translation	-205.808	140.771	54.326
Sapper_Hill_1943_To_WGS_1984	1225	Geocentric_Translation	-355	21	72
Schwarzeck_To_WGS_1984	1226	Geocentric_Translation	616	97	-251
Schwarzeck_To_WGS_1984_2	1271	Geocentric_Translation	615.64	102.08	-255.81
Segora_To_WGS_1984	1286	Geocentric_Translation	-403	684	41
Selvagem_Grande_1938_To_WGS_1984_1	1965	Geocentric_Translation	-289	-124	60
Sierra_Leone_1968_To_WGS_1984	1614	Geocentric_Translation	-88	4	101
SIRGAS_2000_To_WGS_1984_1	15894	Geocentric_Translation	0	0	0
SIRGAS-Chile_To_WGS_1984_1	5375	Geocentric_Translation	0	0	0
SIRGAS-ES2007.8_To_WGS_1984_1	5395	Geocentric_Translation	0	0	0
SIRGAS-ROU98_To_WGS_1984_1	5384	Geocentric_Translation	0	0	0
SIRGAS_To_WGS_1984_1	1581	Geocentric_Translation	0	0	0
S_JTSK_To_WGS_1984_NGA	15965	Geocentric_Translation	589	76	480
Slovenia_1996_To_ETRS_1989_1	15977	Geocentric_Translation	0	0	0
Slovenia_1996_To_WGS_1984_1	15976	Geocentric_Translation	0	0	0
Solomon_1968_To_WGS_1984_1	15805	Geocentric_Translation	230	-199	-752
Solomon_1968_To_WGS_1984_2	15807	Geocentric_Translation	252	-209	-751
South_Asia_Singapore_To_WGS_1984	108269	Geocentric_Translation	7	-10	-26
South_Yemen_To_WGS_1984_1	1682	Geocentric_Translation	-76	-138	67
South_Yemen_To_Yemen_NGN_1996	1539	Geocentric_Translation	-76	-138	67
SREF98_To_ETRS_1989_1	4076	Geocentric_Translation	0	0	0
SREF98_To_WGS_1984_1	4077	Geocentric_Translation	0	0	0
ST84_Ile_des_Pins_To_WGS_1984_2	15848	Geocentric_Translation	-13	-348	292

Geographic (datum) Transformation Name	WKID	Method	dx	dy	dz
ST87_Ouvea_To_RGNC_1991-93_1	15885	Geocentric_Translation	-56.263	16.136	-22.856
ST87_Ouvea_To_WGS_1984_2	15881	Geocentric_Translation	-56.263	16.136	-22.856
St_Kitts_1955_To_WGS_1984	1445	Geocentric_Translation	9	183	236
St_Kitts_1955_To_WGS_1984_2	15750	Geocentric_Translation	-7	215	225
St_Lucia_1955_To_WGS_1984	1446	Geocentric_Translation	-149	128	296
St_Vincent_1945_To_WGS_1984_1	1959	Geocentric_Translation	195.671	332.517	274.607
SWEREF99_To_ETRS_1989_1	1878	Geocentric_Translation	0	0	0
SWEREF99_To_WGS_1984_1	1879	Geocentric_Translation	0	0	0
Tahaa_1954_To_WGS_1984_1	1913	Geocentric_Translation	65	342	77
Tahiti_1952_To_WGS_1984_1	1924	Geocentric_Translation	162	117	154
Tananarive_1925_Paris_To_WGS_1984	8176	Geocentric_Translation	-189	-242	-91
Tananarive_1925_To_WGS_1984	1227	Geocentric_Translation	-189	-242	-91
Tern_Island_1961_To_WGS_1984	15795	Geocentric_Translation	114	-116	-333
Timbalai_1948_To_WGS_1984	1228	Geocentric_Translation	-679	669	-48
Timbalai_1948_To_WGS_1984_2	1592	Geocentric_Translation	-678	670	-48
Timbalai_1948_To_WGS_1984_3	1615	Geocentric_Translation	-726.282	703.611	-48.999
TM65_To_WGS_1984	1229	Geocentric_Translation	506	-122	611
TM75_To_WGS_1984_3	1956	Geocentric_Translation	506	-122	611
Tokyo_To_JGD_2000_1	15483	Geocentric_Translation	-146.414	507.337	680.507
Tokyo_To_WGS_1984_1	1230	Geocentric_Translation	-148	507	685
Tokyo_To_WGS_1984_108	15484	Geocentric_Translation	-146.414	507.337	680.507
Tokyo_To_WGS_1984_2	1231	Geocentric_Translation	-148	507	685
Tokyo_To_WGS_1984_2001	108106	Geocentric_Translation	-147.54	507.26	680.47
Tokyo_To_WGS_1984_3	1232	Geocentric_Translation	-146	507	687
Tokyo_To_WGS_1984_4	1233	Geocentric_Translation	-158	507	676
Tokyo_To_WGS_1984_5	1305	Geocentric_Translation	-147	506	687
Trinidad_1903_To_WGS_1984	1296	Geocentric_Translation	-61.702	284.488	472.052
Trinidad_1903_To_WGS_1984_2	10085	Geocentric_Translation	-61	285.2	471.6
Tristan_1968_To_WGS_1984	15816	Geocentric_Translation	-632	438	-609
TUREF_To_WGS_1984_1	5261	Geocentric_Translation	0	0	0
TWD_1997_To_WGS_1984_1	3830	Geocentric_Translation	0	0	0
Ukraine_2000_To_ITRF_2005_1	5822	Geocentric_Translation	24	-121	-76
Ukraine_2000_To_WGS_1984_2	5823	Geocentric_Translation	24	-121	-76
Vanua_Levu_1915_To_WGS_1984_1	15878	Geocentric_Translation	51	391	-36
Vientiane_1982_To_Lao_1997_1	1063	Geocentric_Translation	-2.227	6.524	2.178
Viti_Levu_1912_To_WGS_1984_1	15897	Geocentric_Translation	51	391	-36
Viti_Levu_1916_To_WGS_1984	15821	Geocentric_Translation	51	391	-36
Voirol_1875_Grad_To_WGS_1984	108278	Geocentric_Translation	-73	-247	227
Voirol_1875_Paris_To_WGS_1984	8211	Geocentric_Translation	-73	-247	227
Voirol_1875_To_WGS_1984	1294	Geocentric_Translation	-73	-247	227
Voirol_Unifie_1960_Grad_To_WGS_1984	108265	Geocentric_Translation	-123	-206	219
Voirol_Unifie_1960_Paris_To_WGS_1984	8177	Geocentric_Translation	-123	-206	219
Voirol_Unifie_1960_To_WGS_1984	8158	Geocentric_Translation	-123	-206	219
Wake_Eniwetok_1960_To_WGS_1984	15822	Geocentric_Translation	102	52	-38
Wake_Island_1952_To_WGS_1984	15823	Geocentric_Translation	276	-57	149
Yacare_To_WGS_1984	1234	Geocentric_Translation	-155	171	37
Yemen_NGN_1996_To_WGS_1984	1540	Geocentric_Translation	0	0	0

Geographic (datum) Transformation Name	WKID	Method	dx	dy	dz
Yoff_To_WGS_1972_1	1828	Geocentric_Translation	-37	157	85
Zanderij_To_WGS_1984	1235	Geocentric_Translation	-265	120	-358

Table 5: Geographic (datum) transformations: Coordinate frame (CF) and position vector (PV) methods

Geographic (datum) Transformation Name	WKID	Method	dx	dy	dz	rx	ry	rz	ds
Accra_To_WGS_1984_3	15495	PV	-171.16	17.29	325.21	0.0	0.0	0.814	-0.38
AGD_1966_To_GDA_1994_12	15979	CF	-117.808	-51.536	137.784	-0.303	-0.446	-0.234	-0.29
AGD_1966_To_GDA_1994_2	1458	CF	-129.193	-41.212	130.73	-0.246	-0.374	-0.329	-2.955
AGD_1966_To_GDA_1994_3	1459	CF	-120.695	-62.73	165.46	-0.109	0.141	0.116	2.733
AGD_1966_To_GDA_1994_4	1460	CF	-119.353	-48.301	139.484	-0.415	-0.26	-0.437	-0.613
AGD_1966_To_GDA_1994_8	1594	CF	-120.271	-64.543	161.632	-0.217	0.067	0.129	2.499
AGD_1966_To_GDA_1994_9	1595	CF	-124.133	-42.003	137.4	0.008	-0.557	-0.178	-1.854
AGD_1966_To_WGS_1984_12	1665	CF	-129.193	-41.212	130.73	-0.246	-0.374	-0.329	-2.955
AGD_1966_To_WGS_1984_13	1666	CF	-119.353	-48.301	139.484	-0.415	-0.26	-0.437	-0.613
AGD_1966_To_WGS_1984_14	1667	CF	-120.271	-64.543	161.632	-0.217	0.067	0.129	2.499
AGD_1966_To_WGS_1984_15	1668	CF	-124.133	-42.003	137.4	0.008	-0.557	-0.178	-1.854
AGD_1966_To_WGS_1984_18	15980	CF	-117.808	-51.536	137.784	-0.303	-0.446	-0.234	-0.29
AGD_1984_To_GDA_1994_2	1280	CF	-117.763	-51.51	139.061	-0.292	-0.443	-0.277	-0.191
AGD_1984_To_WGS_1984_2	1236	CF	-116	-50.47	141.69	-0.23	-0.39	-0.344	0.0983
AGD_1984_To_WGS_1984_7	1669	CF	-117.763	-51.51	139.061	-0.292	-0.443	-0.277	-0.191
Ain_El_Abd_To_WGS_1984_4	1056	CF	-85.645	-273.077	-79.708	-2.289	1.421	-2.532	3.194
Ain_El_Abd_To_WGS_1984_5	1057	CF	-202.234	-168.351	-63.51	-3.545	-0.659	1.945	2.1
Ain_El_Abd_To_WGS_1984_6	1058	CF	-18.944	-379.364	-24.063	-0.04	0.764	-6.431	3.657
Amersfoort_To_ETRS_1989	1751	CF	565.036	49.914	465.839	0.40939439	-0.3597052	1.8684910	4.0772
Amersfoort_To_ETRS_1989_3	15739	CF	565.2369	50.0087	465.658	0.40685733	-0.35073268	1.87034738	4.0812
Amersfoort_To_ETRS_1989_5	4830	CF	565.4171	50.3319	465.5524	0.39895739	-0.34398782	1.87740164	4.0725
Amersfoort_To_WGS_1984	1112	PV	593.16	26.15	478.54	-1.30439801	-0.10329741	-1.14450153	4.0775
Amersfoort_To_WGS_1984_2	1672	CF	565.04	49.91	465.84	0.40939439	-0.3597052	1.8684910	4.0772
Amersfoort_To_WGS_1984_3	15934	CF	565.2369	50.0087	465.658	0.40685733	-0.35073268	1.87034738	4.0812
Amersfoort_To_WGS_1984_4	4833	CF	565.4171	50.3319	465.5524	0.39895739	-0.34398782	1.87740164	4.0725
Ammassalik_1958_To_Greenland_1996_1	15900	PV	-45	417	-3.5	0.0	0.0	0.814	-0.6
Ammassalik_1958_To_WGS_1984_1	1800	PV	-45	417	-3.5	0.0	0.0	0.814	-0.6
Azores_Central_1995_To_WGS_1984_11	1981	CF	-103.088	162.481	-28.276	-0.167	-0.082	-0.168	-1.504
Azores_Central_1995_To_WGS_1984_3	1973	CF	-105.854	165.589	-38.312	0.003	0.026	-0.024	-0.048
Azores_Central_1995_To_WGS_1984_5	1975	CF	-104	162.924	-38.882	0.075	0.071	-0.051	-0.338
Azores_Central_1995_To_WGS_1984_7	1977	CF	-95.323	166.098	-69.942	0.215	1.031	-0.047	1.922
Azores_Central_1995_To_WGS_1984_9	1979	CF	-100.306	161.246	-48.761	0.192	0.385	-0.076	0.131
Azores_Oriental_1995_To_WGS_1984_3	1969	CF	-211.939	137.626	58.3	0.089	-0.251	-0.079	0.384
Azores_Oriental_1995_To_WGS_1984_5	1971	CF	-208.719	129.685	52.092	0.195	0.014	-0.327	0.198
Beijing_1954_To_WGS_1984_2	15919	PV	15.53	-113.82	-41.38	0.0	0.0	0.814	-0.38
Beijing_1954_To_WGS_1984_3	15920	PV	31.4	-144.3	-74.8	0.0	0.0	0.814	-0.38

Geographic (datum) Transformation Name	WKID	Method	dx	dy	dz	rx	ry	rz	ds
Beijing_1954_To_WGS_1984_5	15935	PV	18	-136.8	-73.7	0.0	0.0	0.814	-0.38
Belge_1972_To_ETRS_1989_1	1652	PV	-99.1	53.3	-112.5	0.419	-0.83	1.885	-1
Belge_1972_To_ETRS_1989_2	15928	CF	-106.868628	52.297783	-103.723893	-0.33657	0.456955	-1.842183	-1.2747
Belge_1972_To_WGS_1984_1	1609	CF	-99.059	53.322	-112.486	-0.419	0.83	-1.885	-1
Belge_1972_To_WGS_1984_3	15929	CF	-106.868628	52.297783	-103.723893	-0.33657	0.456955	-1.842183	-1.2747
Bermuda_1957_To_Bermuda_2000_1	15969	CF	-292.295	248.758	429.447	-4.9971	-2.99	-6.6906	1.0289
Bermuda_1957_To_WGS_1984_2	15970	CF	-292.295	248.758	429.447	-4.9971	-2.99	-6.6906	1.0289
Bogota_To_MAGNA_Region_1_CF	15714	CF	-806.413	-263.5	-622.671	12.41421856	-2.99084175	-39.03468639	-20.81616
Bogota_To_MAGNA_Region_2_CF	15716	CF	100.783	187.382	-47	-9.22383005	2.4238033	-8.30827833	-13.56561
Bogota_To_MAGNA_Region_3_CF	15718	CF	336.026	348.565	252.978	-17.24128944	-6.30649282	1.56204977	-5.771909
Bogota_To_MAGNA_Region_4_CF	15720	CF	963.273	486.386	190.997	-16.48503603	-1.66882584	21.69284905	-13.89914
Bogota_To_MAGNA_Region_5_CF	15722	CF	-90.29	247.559	-21.989	-8.69688535	-4.18803363	-12.80826685	2.181658
Bogota_To_MAGNA_Region_6_CF	15724	CF	-0.562	244.299	-456.938	6.86687099	-8.25267346	-9.29677972	3.74656
Bogota_To_MAGNA_Region_7_CF	15726	CF	-305.356	222.004	-30.023	-9.69049386	1.03196820	-19.75739418	6.325747
Bogota_To_MAGNA_Region_8_CF	15728	CF	221.899	274.136	-397.554	2.80844591	-0.44850859	-2.81017235	-2.199943
Bogota_To_WGS_1984_Region_1_CF	15715	CF	-806.413	-263.5	-622.671	12.41421856	-2.99084175	-39.03468639	-20.81616
Bogota_To_WGS_1984_Region_2_CF	15717	CF	100.783	187.382	-47	-9.22383005	2.42380330	-8.30827833	-13.56561
Bogota_To_WGS_1984_Region_3_CF	15719	CF	336.026	348.565	252.978	-17.24128944	-6.30649282	1.56204977	-5.771909
Bogota_To_WGS_1984_Region_4_CF	15721	CF	963.273	486.386	190.997	-16.48503603	-1.66882584	21.69284905	-13.89914
Bogota_To_WGS_1984_Region_5_CF	15723	CF	-90.29	247.559	-21.989	-8.69688535	-4.18803363	-12.80826685	2.181658
Bogota_To_WGS_1984_Region_6_CF	15725	CF	-0.562	244.299	-456.938	6.86687099	-8.25267346	-9.29677972	3.74656
Bogota_To_WGS_1984_Region_7_CF	15727	CF	-305.356	222.004	-30.023	-9.69049386	1.03196820	-19.75739418	6.325747
Bogota_To_WGS_1984_Region_8_CF	15729	CF	221.899	274.136	-397.554	2.80844591	-0.44850859	-2.81017235	-2.199943
Camacupa_To_WGS_1984_3	1320	PV	-37.2	-370.6	-224	0.0	0.0	0.554	0.219
Camacupa_To_WGS_1984_9	1326	PV	-41.057	-374.564	-226.287	0.0	0.0	0.554	0.219
CGRS_1993_To_ETRS_1989	108128	PV	8.846	-4.394	-1.122	0.00237	0.146528	-0.130428	0.783926
CGRS_1993_To_WGS_1984	108129	PV	8.846	-4.394	-1.122	0.00237	0.146528	-0.130428	0.783926
CH1903_To_WGS_1984_1	1753	CF	660.077	13.551	369.344	0.804816	0.577692	0.952236	5.66
Chatham_Islands_1979_To_NZGD_2000_1	1082	CF	174.05	-25.49	112.57	0.0	0.0	-0.554	0.2263
Chatham_Islands_1979_To_WGS_1984_1	1081	CF	174.05	-25.49	112.57	0.0	0.0	-0.554	0.2263
CSG_1967_To_RGFG_1995_1	1908	PV	-193.066	236.993	105.447	0.4814	-0.8074	0.1276	1.5649
D48_To_ETRS_1989	108276	PV	426.62	142.62	460.09	4.98	4.49	-12.42	-17.1
D48_To_ETRS_1989_2007	108308	PV	-409.520465	-72.191827	-486.872387	3.08625	5.468945	-11.02037	-17.919456
D48_To_ETRS_1989_Dolenjska	108322	PV	-468.611644	-81.420064	-445.219731	3.83941	3.262328	-10.566926	-16.132504
D48_To_ETRS_1989_Gorenjska	108318	PV	-281.493395	-45.98263	-537.512746	2.57094	9.648137	-10.759628	-26.464974
D48_To_ETRS_1989_Jugovzhodna_Slovenia	108314	PV	-459.947808	-82.224279	-458.755555	3.565429	3.700405	-10.860587	-15.507373
D48_To_ETRS_1989_Juzna_Slovenia	108324	PV	-427.888553	-105.559998	-510.911367	4.992818	5.898563	-10.306816	-12.431354
D48_To_ETRS_1989_Osrednja_Slovenia	108320	PV	-400.603839	-90.679824	-472.247864	3.26144	5.263217	-11.837473	-20.022307
D48_To_ETRS_1989_Pomurje	108328	PV	-524.43125	-3.301198	-519.006791	-0.013132	3.119715	-10.232694	-4.185096
D48_To_ETRS_1989_Primorska	108326	PV	-355.803451	-274.321338	-462.96856	9.087389	6.490416	-14.502467	-20.888271
D48_To_ETRS_1989_Severovzhodna_Slovenia	108312	PV	-464.923389	21.456739	-504.499613	-0.402796	4.228767	-9.954933	-12.795283
D48_To_ETRS_1989_Stajerska	108316	PV	-439.481548	11.748185	-494.977936	0.026815	4.656409	-10.155824	-16.269825
D48_To_ETRS_1989_Zahodna_Slovenia	108310	PV	-315.352931	-186.253842	-499.603434	6.446475	8.131219	-13.208894	-23.448627
D48_To_WGS_1984	108277	PV	426.62	142.62	460.09	4.98	4.49	-12.42	-17.1
D48_To_WGS_1984_2007	108309	PV	-409.520465	-72.191827	-486.872387	3.08625	5.468945	-11.02037	-17.919456
D48_To_WGS_1984_Dolenjska	108323	PV	-468.611644	-81.420064	-445.219731	3.83941	3.262328	-10.566926	-16.132504

Geographic (datum) Transformation Name	WKID	Method	dx	dy	dz	rx	ry	rz	ds
D48_To_WGS_1984_Gorenjska	108319	PV	-281.493395	-45.98263	-537.512746	2.57094	9.648137	-10.759628	-26.464974
D48_To_WGS_1984_Jugovzhodna_Slovenia	108315	PV	-459.947808	-82.224279	-458.755555	3.565429	3.700405	-10.860587	-15.507373
D48_To_WGS_1984_Juzna_Slovenia	108325	PV	-427.888553	-105.559998	-510.911367	4.992818	5.898563	-10.306816	-12.431354
D48_To_WGS_1984_Osrednja_Slovenia	108321	PV	-400.603839	-90.679824	-472.247864	3.26144	5.263217	-11.837473	-20.022307
D48_To_WGS_1984_Pomurje	108329	PV	-524.43125	-3.301198	-519.006791	-0.013132	3.119715	-10.232694	-4.185096
D48_To_WGS_1984_Primorska	108327	PV	-355.803451	-274.321338	-462.96856	9.087389	6.490416	-14.502467	-20.888271
D48_To_WGS_1984_Severovzhodna_Slovenia	108313	PV	-464.923389	21.456739	-504.499613	-0.402796	4.228767	-9.954933	-12.795283
D48_To_WGS_1984_Stajerska	108317	PV	-439.481548	11.748185	-494.977936	0.026815	4.656409	-10.155824	-16.269825
D48_To_WGS_1984_Zahodna_Slovenia	108311	PV	-315.352931	-186.253842	-499.603434	6.446475	8.131219	-13.208894	-23.448627
Datum_73_To_ETRS_1989_1	1657	PV	-238.2	85.2	29.9	0.166	0.046	1.248	2.03
Datum_73_To_ETRS_1989_2009_7par	5037	PV	-230.994	102.591	25.199	0.633	-0.239	0.9	1.95
Datum_73_To_ETRS_1989_3	1992	CF	-231.034	102.615	26.836	-0.615	0.198	-0.881	1.786
Datum_73_To_WGS_1984_1_Prt2000	1658	PV	-238.2	85.2	29.9	0.166	0.046	1.248	2.03
Datum_73_To_WGS_1984_2	108120	CF	-239.749	88.181	30.488	-0.26	-0.08	-1.21	2.23
Datum_73_To_WGS_1984_2009_7par	108153	PV	-230.994	102.591	25.199	0.633	-0.239	0.9	1.95
Datum_73_To_WGS_1984_4	1987	CF	-239.749	88.181	30.488	-0.263	-0.082	-1.211	2.229
Datum_Lisboa_Bessel_To_WGS_1984_2	108123	CF	631.392	-66.551	481.442	-1.09	4.445	4.487	-4.43
Datum_Lisboa_Hayford_To_Datum_73_2	108223	CF	-49.137	-179.924	95.757	1.955	-0.328	1.423	-6.827
Datum_Lisboa_Hayford_To_Datum_Lisboa_Bessel_2	108225	CF	-920.281	-25.191	-355.2	2.781	-4.855	-4.276	-0.168
Datum_Lisboa_Hayford_To_ETRS_1989_2009_7par	108156	PV	-283.088	-70.693	117.445	-1.157	0.059	-0.652	-4.058
Datum_Lisboa_Hayford_To_WGS_1984_2	108124	CF	-288.885	-91.744	126.244	1.69	-0.41	0.21	-4.6
Datum_Lisboa_Hayford_To_WGS_1984_2009_7par	108157	PV	-283.088	-70.693	117.445	-1.157	0.059	-0.652	-4.058
Deir_ez_Zor_To_WGS_1984_3	1586	PV	-175.09	1.218	238.831	-0.047	0.019	0.808	0.1698
Deir_ez_Zor_To_WGS_1984_6	15743	PV	-83.58	-397.54	458.78	-17.595	-2.847	4.256	3.225
DHDN_To_ETRF_1989	108192	CF	582	105	414	-1.04	-0.35	3.08	8.3
DHDN_To_ETRS_1989	1309	CF	582	105	414	-1.04	-0.35	3.08	8.3
DHDN_To_ETRS_1989_2	1776	PV	598.1	73.7	418.2	0.202	0.045	-2.455	6.7
DHDN_To_ETRS_1989_3	1778	PV	597.1	71.4	412.1	0.894	0.068	-1.563	7.58
DHDN_To_ETRS_1989_4	1779	PV	584.8	67	400.3	0.105	0.013	-2.378	10.29
DHDN_To_ETRS_1989_5	1780	PV	590.5	69.5	411.6	-0.796	-0.052	-3.601	8.3
DHDN_To_ETRS_1989_6	1781	PV	599.4	72.4	419.2	-0.062	-0.022	-2.723	6.46
DHDN_To_ETRS_1989_7	1782	PV	612.4	77	440.2	-0.054	0.057	-2.797	2.55
DHDN_To_WGS_1984_1	1673	CF	582	105	414	-1.04	-0.35	3.08	8.3
DHDN_To_WGS_1984_2	1777	PV	598.1	73.7	418.2	0.202	0.045	-2.455	6.7
DHDN_To_WGS_1984_3	15869	PV	612.4	77	440.2	-0.054	0.057	-2.797	2.55
DHDN_To_WGS_1984_3x	108206	PV	597.1	71.4	412.1	0.894	0.068	-1.563	7.58
DHDN_To_WGS_1984_4x	108207	PV	584.8	67	400.3	0.105	0.013	-2.378	10.29
DHDN_To_WGS_1984_5x	108208	PV	590.5	69.5	411.6	-0.796	-0.052	-3.601	8.3
DHDN_To_WGS_1984_6x	108209	PV	599.4	72.4	419.2	-0.062	-0.022	-2.723	6.46
DHDN_To_WGS_1984_7x	108210	PV	612.4	77	440.2	-0.054	0.057	-2.797	2.55
ED_1950_ED77_To_WGS_1984	1514	PV	-110.33	-97.73	-119.85	0.3423	1.1634	0.2715	0.063
ED_1950_To_ED_1987_2	1147	PV	-1.51	-0.84	-3.5	-0.39045928	-0.14170392	-0.57011592	0.609

Geographic (datum) Transformation Name	WKID	Method	dx	dy	dz	rx	ry	rz	ds
ED_1950_To_ETRF_1989_1	108193	PV	-116.641	-56.931	-110.559	0.893	0.921	-0.917	-3.52
ED_1950_To_ETRS_1989_1	1588	PV	-116.641	-56.931	-110.559	0.893	0.921	-0.917	-3.52
ED_1950_To_ETRS_1989_4	1626	PV	-81.1	-89.4	-115.8	0.485	0.024	0.413	-0.54
ED_1950_To_ETRS_1989_6	1630	PV	-181.5	-90.3	-187.2	0.144	0.492	-0.394	17.57
ED_1950_To_ETRS_1989_7	1632	PV	-131	-100.3	-163.4	-1.244	-0.02	-1.144	9.39
ED_1950_To_ETRS_1989_8	1634	PV	-178.4	-83.2	-221.3	0.54	-0.532	-0.126	21.2
ED_1950_To_ETRS_1989_9	1783	PV	-84.1	-101.8	-129.7	0.0	0.0	0.468	1.05
ED_1950_To_WGS_1984_18	1311	PV	-89.5	-93.8	-123.1	0.0	0.0	-0.156	1.2
ED_1950_To_WGS_1984_23	1612	PV	-116.641	-56.931	-110.559	0.893	0.921	-0.917	-3.52
ED_1950_To_WGS_1984_24	1613	PV	-90.365	-101.13	-123.384	0.333	0.077	0.894	1.994
ED_1950_To_WGS_1984_25	1627	PV	-81.1	-89.4	-115.8	0.485	0.024	0.413	-0.54
ED_1950_To_WGS_1984_27	1631	PV	-181.5	-90.3	-187.2	0.144	0.492	-0.394	17.57
ED_1950_To_WGS_1984_28	1633	PV	-131	-100.3	-163.4	-1.244	-0.02	-1.144	9.39
ED_1950_To_WGS_1984_29	1635	PV	-178.4	-83.2	-221.3	0.54	-0.532	-0.126	21.2
ED_1950_To_WGS_1984_30	1784	PV	-84.1	-101.8	-129.7	0.0	0.0	0.468	1.05
ED_1950_To_WGS_1984_31	1810	PV	-84	-103	-122.5	0.0	0.0	0.554	0.2263
ED_1950_To_WGS_1984_32	108857	PV	-83.11	-97.38	-117.22	0.005693	-0.04469	0.04428	0.1218
ED_1950_To_WGS_1984_34	1989	CF	-74.292	-135.889	-104.967	0.524	0.136	-0.61	-3.761
ED_1950_To_WGS_1984_36	1998	PV	-157.89	-17.16	-78.41	2.118	2.697	-1.434	-5.38
ED_1950_To_WGS_1984_NGA_7PAR	108335	CF	-102	-102	-129	0.413	-0.184	0.385	2.4664
ED_1950_To_WGS_1984_PT7	108121	CF	-68.863	-134.888	-111.49	0.53	0.14	-0.57	-3.4
ED_1987_To_ETRS_1989_1	4078	PV	-83.11	-97.38	-117.22	0.00569291	-0.04469758	0.04428505	0.1218
ED_1987_To_WGS_1984_1	1146	PV	-82.981	-99.719	-110.709	-0.10470002	0.0310016	0.08040202	-0.3143
ED_1987_To_WGS_1984_2	108856	PV	-83.11	-97.38	-117.22	0.005693	-0.04469	0.04428	0.1218
ELD_1979_To_WGS_1984_4	1862	PV	-194.513	-63.978	-25.759	-3.4027	3.756	-3.352	-0.9175
ELD_1979_To_WGS_1984_5	1863	CF	-389.691	64.502	210.209	-0.086	-14.314	6.39	0.9264
Estonia_1992_To_ETRF_1989	108194	CF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Estonia_1992_To_ETRS_1989	1331	CF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Estonia_1992_To_WGS_1984	1333	CF	0.055	-0.541	-0.185	-0.0183	0.0003	0.007	-0.014
ETRF_1989_To_WGS_1984	108195	PV	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ETRS_1989_To_WGS_1984	1149	PV	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EUREF_FIN_To_ETRS_1989	108226	CF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EUREF_FIN_To_WGS_1984	108227	CF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fahud_To_WGS_1984_2	1438	PV	-333.102	-11.02	230.69	0.0	0.0	0.554	0.219
Fatu_Iva_1972_To_RGPF_1	15760	CF	347.103	1078.125	2623.922	33.8875	-70.6773	9.3943	186.074
Fatu_Iva_1972_To_WGS_1984_1	15772	CF	347.103	1078.125	2623.922	33.8875	-70.6773	9.3943	186.074
Fiji_1986_To_WGS_1984_1	15876	PV	0.0	0.0	4.5	0.0	0.0	0.554	0.2263
Fiji_1986_To_WGS_1984_2	15877	CF	-35.173	136.571	-36.964	1.37	-0.842	-4.718	-1.537
Fort_Desaix_To_RGAF09_1	5491	PV	127.744	547.069	118.359	-3.1116	4.9509	-0.8837	14.1012
Fort_Desaix_To_WGS_1984_2	1910	PV	126.93	547.94	130.41	-2.7867	5.1612	-0.8584	13.8227
Fort_Marigot_To_RGAF09_1	5493	PV	151.613	253.832	-429.084	-0.0506	0.0958	-0.5974	-0.3971
GDA_1994_To_WGS_1984	1150	PV	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Graciosa_1948_To_PTRA08_1_7par	108184	PV	-185.391	122.266	35.989	0.12	3.18	2.046	-1.053
Graciosa_1948_To_PTRA08_2_7par	108185	PV	-76.822	257.457	-12.817	2.136	-0.033	-2.392	-0.031
Graciosa_1948_To_PTRA08_3_7par	108186	PV	-210.371	49.768	0.808	-2.036	3.046	3.709	0.934
Graciosa_1948_To_PTRA08_4_7par	108187	PV	-364.422	243.651	274.822	5.477	12.092	1.538	2.243
Graciosa_1948_To_PTRA08_5_7par	108188	PV	-201.545	109.048	32.218	-0.286	3.471	2.443	0.309

Geographic (datum) Transformation Name	WKID	Method	dx	dy	dz	rx	ry	rz	ds
Graciosa_1948_To_PTRA08_6_7par	108189	PV	-216.355	107.044	48.015	-0.204	4.158	2.605	0.297
Graciosa_1948_To_WGS_1984_1_7par	108246	PV	-185.391	122.266	35.989	0.12	3.18	2.046	-1.053
Graciosa_1948_To_WGS_1984_2_7par	108247	PV	-76.822	257.457	-12.817	2.136	-0.033	-2.392	-0.031
Graciosa_1948_To_WGS_1984_3_7par	108248	PV	-210.371	49.768	0.808	-2.036	3.046	3.709	0.934
Graciosa_1948_To_WGS_1984_4_7par	108249	PV	-364.422	243.651	274.822	5.477	12.092	1.538	2.243
Graciosa_1948_To_WGS_1984_5_7par	108250	PV	-201.545	109.048	32.218	-0.286	3.471	2.443	0.309
Graciosa_1948_To_WGS_1984_6_7par	108251	PV	-216.355	107.044	48.015	-0.204	4.158	2.605	0.297
Graciosa_Base_SW_1948_To_WGS_1984_2	108122	CF	-103.088	162.481	-28.276	-0.17	-0.08	-0.17	-1.5
HD1909_To_WGS_1984_1	3817	CF	595.48	121.69	515.35	-4.115	2.9383	-0.853	-3.408
Helle_1954_To_WGS_1984_1	1957	PV	982.6087	552.753	-540.873	6.68162663	-31.61149241	-19.84816101	16.805
Hito_XVIII_1963_To_WGS_1984	1529	PV	18.38	192.45	96.82	0.056	-0.142	-0.2	-0.0013
Hong_Kong_1980_To_ITRF_1996	108337	CF	-162.619	-276.959	-161.764	-0.067753	2.243648	1.158828	-1.094246
Hong_Kong_1980_To_WGS_1984_1	1825	PV	-162.619	-276.959	-161.764	0.067753	-2.243649	-1.158827	-1.094246
Hungarian_1972_To_ETRF_1989_1	108196	CF	56	-75.77	-15.31	0.37	0.2	0.21	1.01
Hungarian_1972_To_ETRS_1989_1	1829	CF	56	-75.77	-15.31	0.37	0.2	0.21	1.01
Hungarian_1972_To_ETRS_1989_2	1449	CF	52.684	-71.194	-13.975	0.312	0.1063	0.3729	1.0191
Hungarian_1972_To_WGS_1984_1	1830	CF	56	-75.77	-15.31	0.37	0.2	0.21	1.01
Hungarian_1972_To_WGS_1984_3	1448	CF	52.684	-71.194	-13.975	0.312	0.1063	0.3729	1.0191
IGN53_Mare_To_RGNC_1991-93_2	15891	CF	-408.809	366.857	-412.987	-1.8843	0.5308	-2.1657	-121.0994
IGN53_Mare_To_WGS_1984_1	1928	PV	-408.809	366.856	-412.987	1.8842	-0.5308	2.1655	-121.0993
IGN56_Lifou_To_RGNC_1991-93_2	15890	CF	137.092	131.675	91.478	1.9435	11.5995	4.3316	-7.4801
IGN56_Lifou_To_WGS_1984_2	1927	PV	137.092	131.66	91.475	-1.9436	-11.5993	-4.3321	-7.4824
IGN63_Hiva_Oa_To_RGPF_1	15761	CF	410.721	55.049	80.746	-2.5779	-2.3514	-0.6664	17.3311
IGN63_Hiva_Oa_To_RGPF_2	15762	CF	374.715	-58.407	-0.957	-16.2111	-11.4626	-5.5357	-0.5409
IGN63_Hiva_Oa_To_WGS_1984_1	15773	CF	410.721	55.049	80.746	-2.5779	-2.3514	-0.6664	17.3311
IGN63_Hiva_Oa_To_WGS_1984_2	15774	CF	374.716	-58.407	-0.957	-16.2111	-11.4626	-5.5357	-0.5409
IGN72_Grande_Terre_To_RGNC_1991-93_2	15887	CF	97.297	-263.243	310.879	1.5999	-0.8387	-3.1409	13.326
IGN72_Grande_Terre_To_RGNC_1991-93_3	15888	CF	48.812	-205.932	343.993	3.4427	0.4999	-4.0878	6.5215
IGN72_Grande_Terre_To_WGS_1984_2	1963	PV	97.295	-263.247	310.882	-1.5999	0.8386	3.1409	13.3259
IGN72_Nuku_Hiva_To_RGPF_1	15763	CF	165.732	216.72	180.505	-0.6434	-0.4512	-0.0791	7.4204
IGN72_Nuku_Hiva_To_RGPF_2	15764	CF	1363.785	1362.687	398.811	-4.5322	-6.7579	-1.0574	268.361
IGN72_Nuku_Hiva_To_RGPF_3	15765	CF	259.551	297.612	197.833	1.4866	2.1224	0.4612	27.0249
IGN72_Nuku_Hiva_To_WGS_1984_2	15775	CF	165.732	216.72	180.505	-0.6434	-0.4512	-0.0791	7.4204
IGN72_Nuku_Hiva_To_WGS_1984_3	15776	CF	1363.785	1362.687	398.811	-4.5322	-6.7579	-1.0574	268.361
IGN72_Nuku_Hiva_To_WGS_1984_4	15777	CF	259.551	297.612	197.833	1.4866	2.1224	0.4612	27.0249
Indian_1960_To_WGS_1984_1	8532	PV	199	931	318.9	0.0	0.0	0.814	-0.38
Indian_1975_To_WGS_1984_4	1812	PV	293	836	318	0.5	1.6	-2.8	2.1
Indonesian_1974_To_DGN_1995_1	15911	CF	-1.977	-13.06	-9.993	-0.364	-0.254	-0.689	-1.037
Indonesian_1974_To_WGS_1984_2	1832	PV	2.691	-14.757	4.724	0.0	0.0	0.774	-0.6
Indonesian_1974_To_WGS_1984_3	1833	CF	-1.977	-13.06	-9.993	-0.364	-0.254	-0.689	-1.037
ITRF_1988_To_ITRF_2000_1	1943	PV	-0.0247	-0.0115	0.0979	-0.0001	0.0	0.00018	-0.00895
ITRF_1989_To_ITRF_2000_1	1942	PV	-0.0297	-0.0475	0.0739	0.0	0.0	0.00018	0.00585
ITRF_1990_To_ITRF_2000_1	1941	PV	-0.0247	-0.0235	0.0359	0.0	0.0	0.00018	-0.00245
ITRF_1991_To_ITRF_2000_1	1940	PV	-0.0267	-0.0275	0.0199	0.0	0.0	0.00018	-0.00215
ITRF_1992_To_ITRF_2000_1	1939	PV	-0.0147	-0.0135	0.0139	0.0	0.0	0.00018	-0.00075
ITRF_1993_To_ITRF_2000_1	1938	PV	-0.0127	-0.0065	0.0209	0.00039	-0.0008	0.00114	-0.00195

Geographic (datum) Transformation Name	WKID	Method	dx	dy	dz	rx	ry	rz	ds
ITRF_1994_To_ITRF_2000_1	1937	PV	-0.0067	-0.0061	0.0185	0.0	0.0	0.0	-0.00155
ITRF_1996_To_ITRF_2000_1	1936	PV	-0.0067	-0.0061	0.0185	0.0	0.0	0.0	-0.00155
ITRF_1997_To_ITRF_2000_1	1935	PV	-0.0067	-0.0061	0.0185	0.0	0.0	0.0	-0.00155
ITRF_2000_To_ITRF_2005_1	15698	PV	-0.0001	0.0008	0.0058	0.0	0.0	0.0	-0.0004
ITRF_2000_To_NAD_1983_2011	108353	CF	0.9956	-1.9013	-0.5215	0.025915	0.009426	0.011599	0.00062
ITRF_2000_To_NAD_1983_CORS96	108150	CF	0.9956	-1.9013	-0.5215	0.025915	0.009426	0.011599	0.00062
ITRF_2000_To_NAD_1983_HARN	108281	CF	0.9956	-1.9013	-0.5215	0.025915	0.009426	0.011599	0.00062
ITRF_2005_To_ITRF_2008_1	108019	PV	0.0005	0.0009	0.0047	0.0	0.0	0.0	-0.00094
ITRF_2008_To_NAD_1983_2011	108360	CF	0.99343	-1.90331	-0.52655	0.02591467	0.00942645	0.01159935	0.00171504
ITRF_2008_To_NAD_1983_MA11	108361	CF	0.908	-2.0161	-0.5653	0.028971	0.01042	0.008928	0.0011
ITRF_2008_To_NAD_1983_PA11	108362	CF	0.908	-2.0161	-0.5653	0.027741	0.013469	0.002712	0.0011
Jamaica_1969_To_JAD_2001_1	15926	CF	-33.722	153.789	94.959	8.581	4.478	-4.54	8.95
Jamaica_1969_To_WGS_1984_3	15927	CF	-33.722	153.789	94.959	8.581	4.478	-4.54	8.95
Kalianpur_1962_To_WGS_1984_5	15704	PV	230.25	632.76	161.03	-1.114	1.115	1.212	12.584
KKJ_To_ETRS_1989_1_Old	1638	PV	-90.7	-106.1	-119.2	4.09	0.218	-1.05	1.37
KKJ_To_ETRS_1989_2	10098	CF	-96.0617	-82.4278	-121.7535	-4.80107	-0.34543	1.37646	1.4964
KKJ_To_EUREF_FIN	108229	CF	-96.0617	-82.4278	-121.7535	-4.80107	-0.34543	1.37646	1.4964
KKJ_To_WGS_1984_1_Old	1639	PV	-90.7	-106.1	-119.2	4.09	0.218	-1.05	1.37
KKJ_To_WGS_1984_2_JHS153	10099	CF	-96.0617	-82.4278	-121.7535	-4.80107	-0.34543	1.37646	1.4964
KUDAMS_To_WGS_1984_2	1062	CF	226.702	-193.337	-35.371	2.229	4.391	-9.238	0.9798
Lisbon_1890_To_WGS_1984_2	1990	CF	631.392	-66.551	481.442	-1.09	4.445	4.487	-4.43
Lisbon_To_ETRS_1989_1	1655	PV	-280.9	-89.8	130.2	-1.721	0.355	-0.371	-5.92
Lisbon_To_ETRS_1989_2	1997	PV	-282.1	-72.2	120	-1.529	0.145	-0.89	-4.46
Lisbon_To_WGS_1984_1	1656	PV	-280.9	-89.8	130.2	-1.721	0.355	-0.371	-5.92
Lisbon_To_WGS_1984_2	1944	PV	-282.1	-72.2	120	-1.592	0.145	-0.89	-4.46
Lisbon_To_WGS_1984_4	1988	CF	-288.885	-91.744	126.244	1.691	-0.41	0.211	-4.598
Luxembourg_1930_To_ETRS_1989_1	1642	PV	-192.986	13.673	-39.309	-0.4099	-2.9332	2.6881	0.43
Luxembourg_1930_To_ETRS_1989_3	5485	CF	-189.6806	18.3463	-42.7695	0.33746	3.09264	-2.53861	0.4598
Luxembourg_1930_To_WGS_1984_1	1643	PV	-192.986	13.673	-39.309	-0.4099	-2.9332	2.6881	0.43
Luxembourg_1930_To_WGS_1984_3	5486	CF	-189.6806	18.3463	-42.7695	0.33746	3.09264	-2.53861	0.4598
MGI_1901_To_ETRS_1989_2	3963	PV	551.7	162.9	467.9	6.04	1.96	-11.38	-4.82
MGI_1901_To_ETRS_1989_3	3914	PV	426.9	142.6	460.1	4.91	4.49	-12.42	17.1
MGI_1901_To_Slovenia_1996_1	3916	CF	409.545	72.164	486.872	-3.085957	-5.46911	11.020289	17.919665
MGI_1901_To_Slovenia_1996_10	3927	CF	355.845	274.282	462.979	-9.086933	-6.491055	14.502181	20.888647
MGI_1901_To_Slovenia_1996_11	3928	CF	400.629	90.651	472.249	-3.261138	-5.263404	11.83739	20.022676
MGI_1901_To_Slovenia_1996_2	3918	CF	315.393	186.223	499.609	-6.445954	-8.131631	13.208641	23.449046
MGI_1901_To_Slovenia_1996_3	3919	CF	464.939	-21.478	504.497	0.403	-4.228747	9.954942	12.795378
MGI_1901_To_Slovenia_1996_4	3921	CF	459.968	82.193	458.756	-3.565234	-3.700593	10.860523	15.507563
MGI_1901_To_Slovenia_1996_5	3922	CF	427.914	105.528	510.908	-4.992523	-5.898813	10.306673	12.431493
MGI_1901_To_Slovenia_1996_6	3923	CF	468.63	81.389	445.221	-3.839242	-3.262525	10.566866	16.132726
MGI_1901_To_Slovenia_1996_7	3924	CF	439.5	-11.77	494.976	-0.026585	-4.65641	10.155824	16.270002
MGI_1901_To_Slovenia_1996_8	3925	CF	524.442	3.275	519.002	0.013287	-3.119714	10.232693	4.184981
MGI_1901_To_Slovenia_1996_9	3926	CF	281.529	45.963	537.515	-2.570437	-9.648271	10.759507	26.465548
MGI_1901_To_WGS_1984_4	3964	PV	551.7	162.9	467.9	6.04	1.96	-11.38	-4.82
MGI_1901_To_WGS_1984_5	3915	PV	426.9	142.6	460.1	4.91	4.49	-12.42	17.1
MGI_1901_To_WGS_1984_9	3917	CF	409.545	72.164	486.872	-3.085957	-5.46911	11.020289	17.919665
MGI_To_ETRS_1989_1	1619	PV	577.326	90.129	463.919	5.137	1.474	5.297	2.4232

Geographic (datum) Transformation Name	WKID	Method	dx	dy	dz	rx	ry	rz	ds
MGI_To_ETRS_1989_2	1620	PV	551.7	162.9	467.9	6.04	1.96	-11.38	-4.82
MGI_To_ETRS_1989_3	1785	PV	426.9	142.6	460.1	4.91	4.49	-12.42	17.1
MGI_To_ETRS_1989_4	1024	CF	601.705	84.263	485.227	-4.7354	-1.3145	-5.393	-2.3887
MGI_To_WGS_1984_2	8415	PV	577.326	90.129	463.919	5.1365988	1.4742	5.2970436	2.4232
MGI_To_WGS_1984_3	1618	PV	577.326	90.129	463.919	5.137	1.474	5.297	2.4232
MGI_To_WGS_1984_4	1621	PV	551.7	162.9	467.9	6.04	1.96	-11.38	-4.82
MGI_To_WGS_1984_5	1786	PV	426.9	142.6	460.1	4.91	4.49	-12.4	17.1
MGI_To_WGS_1984_8	1194	CF	601.705	84.263	485.227	-4.7354	-1.3145	-5.393	-2.3887
Minna_To_WGS_1984_12	15705	PV	-83.13	-104.95	114.63	0.0	0.0	0.554	0
Minna_To_WGS_1984_3	1754	PV	-111.92	-87.85	114.5	1.875	0.202	0.219	0.032
Minna_To_WGS_1984_4	1818	PV	-89	-112	125.9	0.0	0.0	0.814	-0.38
MONREF_1997_To_MSK_1942_1	108286	CF	78.04217803	204.5186132514	77.449861533	-1.77367097	3.31979173	-1.04260771	-4.95105766
MONREF_1997_To_Pulkovo_1942_1	108288	CF	78.04217803	204.5186132514	77.449861533	-1.77367097	3.31979173	-1.04260771	-4.95105766
Monte_Mario_To_ETRS_1989_1	1659	PV	-104.1	-49.1	-9.9	0.971	-2.917	0.714	-11.68
Monte_Mario_To_ETRS_1989_2	1661	PV	-168.6	-34	38.6	-0.374	-0.679	-1.379	-9.48
Monte_Mario_To_ETRS_1989_3	1663	PV	-50.2	-50.4	84.8	-0.69	-2.012	0.459	-28.08
Monte_Mario_To_WGS_1984_2	1662	PV	-168.6	-34	38.6	-0.374	-0.679	-1.379	-9.48
Monte_Mario_To_WGS_1984_3	1664	PV	-50.2	-50.4	84.8	-0.69	-2.012	0.459	-28.08
Monte_Mario_To_WGS_1984_4	1660	PV	-104.1	-49.1	-9.9	0.971	-2.917	0.714	-11.68
Moorea_1987_To_RGPF_1	15757	CF	215.525	149.593	176.229	3.2624	1.692	1.1571	10.4773
Moorea_1987_To_WGS_1984_1	15769	CF	215.525	149.593	176.229	3.2624	1.692	1.1571	10.4773
Moznet_To_WGS_1984	1302	CF	0	0	0	0.0	0.0	0.0	0.0
NAD_1927_To_WGS_1984_88	15978	CF	2.478	149.752	197.726	-0.526	-0.498	0.501	0.685
NAD_1983_CSRS_To_WGS_1984_2	1946	CF	-0.991	1.9072	0.5129	-0.02578991	-0.0096501	-0.01165994	0.0
NAD_1983_HARN_MARP00_To_WGS_1984	108018	CF	-0.9102	2.0141	0.5602	-0.029039	-0.010065	-0.010101	0.0
NAD_1983_HARN_PACP00_MARP00_To_WGS_1984	108307	CF	-0.9102	2.0141	0.5602	-0.029039	-0.010065	-0.010101	0.0
NAD_1983_HARN_PACP00_To_WGS_1984	108017	CF	-0.9102	2.0141	0.5602	-0.029039	-0.010065	-0.010101	0.0
NAD_1983_HARN_To_WGS_1984_2	1900	CF	-0.9738	1.9453	0.5486	-0.02755079	-0.01004922	-0.011359	0.0
NAD_1983_HARN_To_WGS_1984_3	1901	CF	-0.991	1.9072	0.5129	-0.02578991	-0.0096501	-0.01165994	0.0
NAD_1983_To_WGS_1984_4	1308	CF	-0.9738	1.9453	0.5486	-0.02755079	-0.01004922	-0.011359	0.0
NAD_1983_To_WGS_1984_5	1515	CF	-0.991	1.9072	0.5129	-0.02578991	-0.0096501	-0.01165994	0.0
Nahrwan_1967_To_WGS_1984_8	15938	PV	-225.4	-158.7	380.8	0.0	0.0	0.814	-0.38
NEA74_Noumea_To_RGNC_1991-93_2	15889	PV	-166.0684	-154.7826	254.8282	37.546	-7.7018	10.2029	-30.84
NEA74_Noumea_To_WGS_1984_1	1932	PV	-166.207	-154.777	254.831	-37.5444	7.7011	-10.2025	-30.8598
New_Zealand_1949_To_NZGD_2000_2_7PAR	1701	CF	59.47	-5.04	187.44	-0.47	0.1	-1.024	-4.5993
NGO_1948_Oslo_To_ETRS_1989_1	108146	PV	278.3	93	474.5	7.889	0.05	-6.61	6.21
NGO_1948_Oslo_To_WGS_1984	108145	CF	319.08	37.81	463.57	-6.2970588	1.2903926	5.71291634	10.819
NGO_1948_Oslo_To_WGS_1984_1	108147	PV	278.3	93	474.5	7.889	0.05	-6.61	6.21
NGO_1948_To_ETRS_1989_1	1653	PV	278.3	93	474.5	7.889	0.05	-6.61	6.21
NGO_1948_To_WGS_1984	108201	CF	319.08	37.81	463.57	-6.2970588	1.2903926	5.71291634	10.819
NGO_1948_To_WGS_1984_1	1654	PV	278.3	93	474.5	7.889	0.05	-6.61	6.21
Nord_Sahara_1959_To_WGS_1984_3	8562	PV	-156	-87.2	287.8	0.0	0.0	0.814	-0.38
Nord_Sahara_1959_To_WGS_1984_4	1815	PV	-152.9	43.8	358.3	2.714	1.386	-2.788	-6.743

Geographic (datum) Transformation Name	WKID	Method	dx	dy	dz	rx	ry	rz	ds
NZGD_1949_To_WGS_1984_2	1564	CF	59.47	-5.04	187.44	-0.47	0.1	-1.024	-4.5993
Observatorio_Meteorologico_1939_To_PTRA08_1_7par	108341	PV	-487.978	-226.275	102.787	-0.743	1.677	2.087	1.485
Observatorio_Meteorologico_1939_To_PTRA08_2_7par	108342	PV	-511.151	-181.269	139.609	1.05	2.703	1.798	3.071
Observatorio_Meteorologico_1939_To_PTRA08_3_7par	108343	PV	-1333.976	-487.235	945.031	6.674	35.963	20.438	-11.187
Observatorio_Meteorologico_1939_To_WGS_1984_1_7par	108347	PV	-487.978	-226.275	102.787	-0.743	1.677	2.087	1.485
Observatorio_Meteorologico_1939_To_WGS_1984_2_7par	108348	PV	-511.151	-181.269	139.609	1.05	2.703	1.798	3.071
Observatorio_Meteorologico_1939_To_WGS_1984_3_7par	108349	PV	-1333.976	-487.235	945.031	6.674	35.963	20.438	-11.187
Ocotepeque_1935_To_WGS_1984_RN	108283	PV	6.41	-49.05	-11.28	1.5657	0.5242	6.9718	-5.7649
OSGB_1936_To_ED_1950_UKOOA	1315	PV	535.948	-31.357	665.16	0.15	0.247	0.998	-21.689
OSGB_1936_To_WGS_1984_NGA_7PAR	108336	CF	446	-99	544	-0.945	-0.261	-0.435	-20.8927
OSGB_1936_To_WGS_1984_Petroleum	1314	PV	446.448	-125.157	542.06	0.15	0.247	0.842	-20.489
OSNI_1952_To_WGS_1984_1	1955	PV	482.5	-130.6	564.6	-1.042	-0.214	-0.631	8.15
Palestine_1923_To_WGS_1984_1	1074	PV	-275.7224	94.7824	340.8944	-8.001	-4.42	-11.821	1
PD/83_To_ETRS_1989_1	15867	PV	599.4	72.4	419.2	-0.062	-0.022	-2.723	6.46
PDO_1993_To_WGS_1972	1616	PV	-182.046	-225.604	168.884	-0.616	-1.655	7.824	16.641
PDO_1993_To_WGS_1984	1439	PV	-180.624	-225.516	173.919	-0.81	-1.898	8.336	16.71006
PDO_1993_To_WGS_1984_3	1617	PV	-191.808	-250.512	167.861	-0.792	-1.653	8.558	20.703
Pointe_Noire_To_WGS_1984_3	1802	PV	-178.3	-316.7	-131.5	5.278	6.077	10.979	19.166
Porto_Santo_1936_To_PTRA08_1_7par	108160	PV	-160.41	-21.066	-99.282	2.437	-17.25	-7.446	0.168
Porto_Santo_1936_To_PTRA08_2_7par	108161	PV	-303.956	224.556	214.306	9.405	-6.626	-12.583	1.327
Porto_Santo_1936_To_PTRA08_3_7par	108162	PV	-494.088	-312.129	279.877	-1.423	-1.0130	1.59	-0.748
Porto_Santo_1936_To_WGS_1984_1_7par	108166	PV	-160.41	-21.066	-99.282	2.437	-17.25	-7.446	0.168
Porto_Santo_1936_To_WGS_1984_2	108125	CF	-210.502	-66.902	-48.476	-2.094	15.067	5.817	0.485
Porto_Santo_1936_To_WGS_1984_2_7par	108167	PV	-303.956	224.556	214.306	9.405	-6.626	-12.583	1.327
Porto_Santo_1936_To_WGS_1984_3_7par	108168	PV	-494.088	-312.129	279.877	-1.423	-1.013	1.59	-0.748
Porto_Santo_1995_To_PTRA08_2	5022	PV	-303.956	224.556	214.306	9.405	-6.626	-12.583	1.327
Porto_Santo_1995_To_WGS_1984_3	1967	CF	-210.502	-66.902	-48.476	-2.094	15.067	5.817	0.485
PRS_1992_To_WGS_1984_1	15708	CF	-127.62	-67.24	-47.04	3.068	-4.903	-1.578	-1.06
PSAD_1956_To_SIRGAS_1	3971	CF	-60.31	245.935	31.008	-12.324	-3.755	7.37	0.447
PSAD_1956_To_WGS_1984_14	3990	CF	-60.31	245.935	31.008	-12.324	-3.755	7.37	0.447
Pulkovo_1942_Adj_1958_To_ETRS_1989_1	1644	PV	33.4297	-146.5746	-76.2865	-0.35867	-0.05283	0.84354	-0.8407728
Pulkovo_1942_Adj_1958_To_ETRS_1989_3	15993	CF	68.1564	32.7756	80.2249	2.20333014	2.19256447	-2.54166911	-0.14155333
Pulkovo_1942_Adj_1958_To_ETRS_1989_4	15994	CF	2.3287	-147.0425	-92.0802	0.3092483	-0.32482185	-0.49729934	5.68906266
Pulkovo_1942_Adj_1958_To_WGS_1984_1	1645	PV	33.4	-146.6	-76.3	-0.359	-0.053	0.844	-0.84
Pulkovo_1942_Adj_1958_To_WGS_1984_19	15995	CF	2.329	-147.042	-92.08	0.309	-0.325	-0.497	5.69
Pulkovo_1942_Adj_1983_To_ETRS_1989_1	1674	CF	24	-123	-94	-0.02	0.25	0.13	1.1
Pulkovo_1942_Adj_1983_To_ETRS_1989_2	1775	PV	24.9	-126.4	-93.2	-0.063	-0.247	-0.041	1.01
Pulkovo_1942_Adj_1983_To_WGS_1984_1	1675	CF	24	-123	-94	-0.02	0.25	0.13	1.1
Pulkovo_1942_To_Estonia_1992	1332	CF	21.53219	-97.00027	-60.74046	-0.99548	-0.58147	-0.2418	-4.5981
Pulkovo_1942_To_ETRF_1989	108198	CF	24	-123	-94	-0.02	0.25	0.13	1.1
Pulkovo_1942_To_ETRS_1989	1310	CF	24	-123	-94	-0.02	0.25	0.13	1.1

Geographic (datum) Transformation Name	WKID	Method	dx	dy	dz	rx	ry	rz	ds
Pulkovo_1942_To_LKS_1994	1274	CF	-40.595	-18.55	-69.339	-2.508	-1.832	2.611	-4.299
Pulkovo_1942_To_PZ_1990_1	15844	CF	25	-141	-80	0.0	-0.35	-0.66	0.0
Pulkovo_1942_To_WGS_1984_10	1303	PV	43.822	-108.842	-119.585	1.455	-0.761	0.737	0.549
Pulkovo_1942_To_WGS_1984_12	1334	CF	21.58719	-97.54127	-60.92546	-1.01378	-0.58117	-0.2348	-4.6121
Pulkovo_1942_To_WGS_1984_13	1807	PV	27	-135	-84.5	0.0	0.0	0.554	0.2263
Pulkovo_1942_To_WGS_1984_14	1808	PV	686.1	-123.5	-574.4	8.045	-23.366	10.791	-2.926
Pulkovo_1942_To_WGS_1984_15	1809	PV	926.4	-715.9	-186.4	-10.364	-20.78	26.452	-7.224
Pulkovo_1942_To_WGS_1984_16	15865	CF	25	-141	-78.5	0.0	-0.35	-0.736	0.0
Pulkovo_1942_To_WGS_1984_17	1267	CF	23.92	-141.27	-80.9	0.0	-0.35	-0.82	-0.12
Pulkovo_1942_To_WGS_1984_2	1679	CF	-40.595	-18.55	-69.339	-2.508	-1.832	2.611	-4.299
Pulkovo_1942_To_WGS_1984_20	5044	CF	23.57	-140.95	-79.8	0.0	-0.35	-0.79	-0.22
Pulkovo_1995_To_WGS_1984_1	1281	CF	24.82	-131.21	-82.66	0.0	0.0	-0.16	-0.12
Pulkovo_1995_To_WGS_1984_2	5043	CF	24.47	-130.89	-81.56	0.0	0.0	-0.13	-0.22
PZ_1990_To_WGS_1984_1	15843	CF	0.0	0.0	1.5	0.0	0.0	-0.076	0.0
PZ_1990_To_WGS_1984_GOST	1244	CF	-1.08	-0.27	-0.9	0.0	0.0	-0.16	-0.12
QND_1995_To_WGS_1984_1	1840	PV	-119.4248	-303.65872	-11.00061	1.164298	0.174458	1.096259	3.657065
Qornoq_1927_To_Greenland_1996_1	15957	PV	163.511	127.533	-159.789	0.0	0.0	0.814	-0.6
Qornoq_1927_To_WGS_1984_2	1798	PV	163.511	127.533	-159.789	0.0	0.0	0.814	-0.6
RD/83_To_ETRS_1989_1	15868	PV	612.4	77	440.2	-0.054	0.057	-2.797	2.55
Reunion_1947_To_RGR_1992_1	1926	PV	789.524	-626.486	-89.904	0.6006	76.7946	-10.5788	-32.3241
RGPF_To_WGS_1984_1	15832	CF	0.072	-0.507	-0.245	0.0183	-0.0003	0.007	-0.0093
RGR_1992_To_Reunion_1947_1	1964	PV	-789.99	627.333	89.685	-0.6072	-76.8019	10.568	32.2083
RRAF_1991_To_RGAF09_1	5494	PV	0.7696	-0.8692	-12.0631	-0.32511	-0.21041	-0.0239	0.2829
RRAF_1991_To_RGAF09_2	5495	PV	1.2239	2.4156	-1.7598	0.038	-0.16101	-0.04925	0.2387
RRAF_1991_To_RGAF09_3	5496	PV	14.6642	5.2493	0.1981	-0.06838	0.09141	-0.58131	-0.4067
RT90_To_ETRS_1989_1	1437	CF	419.3836	99.3335	591.3451	-0.850389	-1.817277	7.862238	-0.99496
RT90_To_ETRS_1989_2	1787	CF	414.1	41.3	603.1	0.855	-2.141	7.023	0.0
RT90_To_SWEREF99_1	1895	CF	414.0978567149	41.3381489658	603.0627177516	0.85504343	-2.14134652	7.02272095	0.0
RT90_To_WGS_1984	1680	CF	419.3836	99.3335	591.3451	-0.850389	-1.817277	7.862238	-0.99496
RT90_To_WGS_1984_2	1896	CF	414.1	41.3	603.1	0.855	-2.141	7.023	0.0
Sainte_Anne_To_RGAF09_1	5492	PV	-471.06	-3.212	-305.843	0.4752	-0.9978	0.2068	2.1353
Sainte_Anne_To_WGS_1984_2	1905	PV	-472.29	-5.63	-304.12	0.4362	-0.8374	0.2563	1.8984
Sao_Braz_To_PTRA08_1_7par	108172	PV	-269.089	186.247	155.667	2.005	3.606	-0.366	0.097
Sao_Braz_To_PTRA08_2_7par	108173	PV	-249.507	179.302	119.92	1.406	2.423	-0.479	0.952
Sao_Braz_To_PTRA08_3_7par	108174	PV	-440.296	58.548	296.265	1.128	10.202	4.559	-0.438
Sao_Braz_To_WGS_1984_1_7par	108178	PV	-269.089	186.247	155.667	2.005	3.606	-0.366	0.097
Sao_Braz_To_WGS_1984_2	108127	CF	-208.719	129.685	52.092	0.2	0.01	-0.33	0.2
Sao_Braz_To_WGS_1984_2_7par	108179	PV	-249.507	179.302	119.92	1.406	2.423	-0.479	0.952
Sao_Braz_To_WGS_1984_3_7par	108180	PV	-440.296	58.548	296.265	1.128	10.202	4.559	-0.438
Scoresbysund_1952_To_Greenland_1996_1	15899	PV	105	326	-102.5	0.0	0.0	0.814	-0.6
Scoresbysund_1952_To_WGS_1984_1	1799	PV	105	326	-102.5	0.0	0.0	0.814	-0.6
S_JTSK/05_Ferro_To_WGS_1984_1	5240	CF	572.213	85.334	461.94	-4.9732	-1.529	-5.2484	3.5378
S_JTSK/05_To_ETRS_1989_1	5226	CF	572.213	85.334	461.94	-4.9732	-1.529	-5.2484	3.5378
S_JTSK/05_To_WGS_1984_1	5227	CF	572.213	85.334	461.94	-4.9732	-1.529	-5.2484	3.5378
S_JTSK_FERRO_To_WGS_1984_2	5230	PV	485	169.5	483.8	7.786	4.398	4.103	0.0
S_JTSK_Ferro_To_WGS_1984_3	5242	CF	572.213	85.334	461.94	-4.9732	-1.529	-5.2484	3.5378

Geographic (datum) Transformation Name	WKID	Method	dx	dy	dz	rx	ry	rz	ds
S_JTSK_To_ETRS_1989_1	1622	PV	570.8	85.7	462.8	4.998	1.587	5.261	3.56
S_JTSK_To_ETRS_1989_2	1624	PV	559	68.7	451.5	7.92	4.073	4.251	5.71
S_JTSK_To_ETRS_1989_4	4827	PV	485	169.5	483.8	7.786	4.398	4.103	0.0
S_JTSK_To_Pulkovo_1942	108202	PV	544.8	206.7	540.8	4.998	1.587	5.261	3.56
S_JTSK_To_WGS_1984_1	1623	PV	570.8	85.7	462.8	4.998	1.587	5.261	3.56
S_JTSK_To_WGS_1984_2	1625	PV	559	68.7	451.5	7.92	4.073	4.251	5.71
S_JTSK_To_WGS_1984_4	4836	PV	485	169.5	483.8	7.786	4.398	4.103	0.0
S_JTSK_To_WGS_1984_5	5239	CF	572.213	85.334	461.94	-4.9732	-1.529	-5.2484	3.5378
SLD99_To_WGS_1984_1	5236	CF	-0.293	766.95	87.713	-0.195704	-1.695068	-3.473016	-0.039338
ST71_Belep_To_WGS_1984_1	1931	PV	-480.26	-438.32	-643.429	16.3119	20.1721	-4.0349	-111.7002
ST84_Ile_des_Pins_To_RGNC_1991-93_1	15893	CF	244.42	85.352	168.129	8.936	-7.752	-12.5952	14.2723
ST84_Ile_des_Pins_To_WGS_1984_1	1930	PV	244.416	85.339	168.114	-8.9353	7.7523	12.5953	14.268
ST87_Ouvea_To_RGNC_1991-93_2	15892	CF	-122.386	-188.707	103.334	-3.511	4.9665	5.7048	4.4799
S_TUREF_To_ETRS_1989_1	5260	PV	0.023	0.036	-0.068	0.00176	0.00912	-0.01136	0.00439
SWEREF99_To_RT90	108212	CF	414.10552461741 68	41.32655000418 88	603.05824742210 75	0.85511634	-2.14131741	7.02272983	0.0
Tahaa_1954_To_RGPF_1	15758	CF	72.438	345.918	79.486	-1.6045	-0.8823	-0.5565	1.3746
Tahaa_1954_To_WGS_1984_2	15770	CF	72.438	345.918	79.486	-1.6045	-0.8823	-0.5565	1.3746
Tahiti_1979_To_RGPF_1	15756	CF	221.525	152.948	176.768	2.3847	1.3896	0.877	11.4741
Tahiti_1979_To_WGS_1984_1	4835	CF	221.525	152.948	176.768	2.3847	1.3896	0.877	11.4741
Tete_To_Moznet_1	1297	CF	-115.064	-87.39	-101.716	0.058	-4.001	2.062	9.366
Tete_To_Moznet_2	1298	CF	-82.875	-57.097	-156.768	2.158	-1.524	0.982	-0.359
Tete_To_Moznet_3	1299	CF	-138.527	-91.999	-114.591	0.14	-3.363	2.217	11.748
Tete_To_Moznet_4	1300	CF	-73.472	-51.66	-112.482	-0.953	-4.6	2.368	0.586
Tete_To_Moznet_5	1301	CF	219.315	168.975	-166.145	-0.198	-5.926	2.356	-57.104
Tete_To_WGS_1984_1	1683	CF	-115.064	-87.39	-101.716	0.058	-4.001	2.062	9.366
Tete_To_WGS_1984_2	1684	CF	-82.875	-57.097	-156.768	2.158	-1.524	0.982	-0.359
Tete_To_WGS_1984_3	1685	CF	-138.527	-91.999	-114.591	0.14	-3.363	2.217	11.748
Tete_To_WGS_1984_4	1686	CF	-73.472	-51.66	-112.482	-0.953	-4.6	2.368	0.586
Tete_To_WGS_1984_5	1687	CF	219.315	168.975	-166.145	-0.198	-5.926	2.356	-57.104
Timbalai_1948_To_GDBD2009_1	5248	CF	-689.5937	623.84046	-65.93566	0.02331	-1.17094	0.80054	5.88536
Timbalai_1948_To_WGS_1984_4	1852	PV	-533.4	669.2	-52.5	0.0	0.0	4.28	9.4
Timbalai_1948_To_WGS_1984_5	5249	CF	-689.5937	623.84046	-65.93566	0.02331	-1.17094	0.80054	5.88536
TM65_To_ETRS_1989_1	1640	PV	482.53	-130.596	564.557	-1.042	-0.214	-0.631	8.15
TM65_To_WGS_1984_2	1641	PV	482.53	-130.596	564.557	-1.042	-0.214	-0.631	8.15
TM75_To_ETRS_1989_2	1953	PV	482.53	-130.596	564.557	-1.042	-0.214	-0.631	8.15
TM75_To_WGS_1984_2	1954	PV	482.53	-130.596	564.557	-1.042	-0.214	-0.631	8.15
VN_2000_To_WGS_1984_2	5194	CF	-192.873	-39.382	-111.202	0.00205	0.0005	-0.00335	0.0188
WGS_1972_BE_To_WGS_1972_1	1239	PV	0	0	-2.6	0.0	0.0	0.26	-0.6063
WGS_1972_BE_To_WGS_1984_1	1240	PV	0	0	1.9	0.0	0.0	0.814	-0.38
WGS_1972_To_WGS_1984_1	1237	PV	0	0	4.5	0.0	0.0	0.554	0.2263
WGS_1972_To_WGS_1984_2	1238	PV	0	0	4.5	0.0	0.0	0.554	0.219
WGS_1984_(ITRF00)_To_NAD_1983	108190	CF	0.9956	-1.9013	-0.5215	0.025915	0.009426	0.011599	0.00062
WGS_1984_(ITRF00)_To_NAD_1983_2011	108354	CF	0.9956	-1.9013	-0.5215	0.025915	0.009426	0.011599	0.00062
WGS_1984_(ITRF00)_To_NAD_1983_COR S96	108151	CF	0.9956	-1.9013	-0.5215	0.025915	0.009426	0.011599	0.00062
WGS_1984_(ITRF00)_To_NAD_1983_HAR	108282	CF	0.9956	-1.9013	-0.5215	0.025915	0.009426	0.011599	0.00062

Geographic (datum) Transformation Name	WKID	Method	dx	dy	dz	rx	ry	rz	ds
N									
WGS_1984_(ITRF08)_To_NAD_1983_2011	108363	CF	0.99343	-1.90331	-0.52655	0.02591467	0.00942645	0.01159935	0.00171504
WGS_1984_(ITRF08)_To_NAD_1983_MA1 1	108364	CF	0.908	-2.0161	-0.5653	0.028971	0.01042	0.008928	0.0011
WGS_1984_(ITRF08)_To_NAD_1983_PA11	108365	CF	0.908	-2.0161	-0.5653	0.027741	0.013469	0.002712	0.0011
WGS_1984_To_Observatorio_Meteorologico 1965_1	108211	CF	148.635396	339.470115	157.265381	32.876850	-76.963371	-32.622853	-8.204889
WGS_1984_To_RT90	108213	CF	-414.0978567149	-41.3381489658	-603.0627177516	-0.85504343	2.14134652	-7.02272095	0.0
Yacare_To_SIRGAS_1	15963	PV	-124.45	183.74	44.64	-0.4384	0.544	-0.9706	-2.1365
Yacare_To_SIRGAS-ROU98_1	5385	PV	-124.45	183.74	44.64	-0.4384	0.5446	-0.9706	-2.1365
Yacare_To_WGS_1984_2	5386	PV	-124.45	183.74	44.64	-0.4384	0.5446	-0.9706	-2.1365

Table 6: Geographic (datum) transformations: Molodensky-Badekas method

Name	WKID	dx	dy	dz	rx	ry	rz	ds	X0	Y0	Z0
Amersfoort_To_ETRS_1989_4	15740	593.0297	26.0038	478.7534	0.40685733	-0.35073268	1.87034738	4.0812	3903453.1482	368135.3134	5012970.3051
Amersfoort_To_ETRS_1989_6	4831	593.0248	25.9984	478.7459	0.39895739	-0.34398782	1.87740164	4.0725	3903453.1482	368135.3134	5012970.3051
Amersfoort_To_ETRS_1989_ MB	1066	593.032	26	478.741	0.40939439	-0.3597052	1.86849100	4.0772	3903453.148	368135.313	5012970.306
Amersfoort_To_WGS_1984_2 008_MB	108457	593.0248	25.9984	478.7459	0.39895739	-0.34398782	1.87740164	4.0725	3903453.1482	368135.3134	5012970.3051
Amersfoort_To_WGS_1984_4 X	108237	593.0297	26.0038	478.7534	0.40685733	-0.35073268	1.87034738	4.0812	3903453.1482	368135.3134	5012970.3051
Bogota_To_MAGNA_Region_ 1_MB	15730	300.449	293.757	-317.306	12.41421444	-2.99084382	-39.03468639	-20.81615	1891881.173	-5961263.267	1248403.057
Bogota_To_MAGNA_Region_ 2_MB	15731	308.833	282.519	-314.571	-9.22384242	2.42379092	-8.30830721	-13.56561	1625036.59	-6054644.061	1172969.151
Bogota_To_MAGNA_Region_ 3_MB	15732	311.118	289.167	-310.641	-17.24129356	-6.30649282	1.56205225	-5.771882	1555622.801	-6105353.313	991255.656
Bogota_To_MAGNA_Region_ 4_MB	15733	306.666	315.063	-318.837	-16.48504015	-1.66882626	21.69284905	-13.89912	1845222.398	-6058604.495	769132.398
Bogota_To_MAGNA_Region_ 5_MB	15734	307.871	305.803	-311.992	-8.69688329	-4.18803363	-12.80826891	2.181655	1594396.206	-6143812.398	648855.829
Bogota_To_MAGNA_Region_ 6_MB	15735	302.934	307.805	-312.121	6.86687099	-8.25267346	-9.29677766	3.746562	1558280.49	-6167355.092	491954.2193
Bogota_To_MAGNA_Region_ 7_MB	15736	295.282	321.293	-311.001	-9.69049386	1.03196902	-19.75739005	6.325744	1564000.62	-6180004.879	243257.9554
Bogota_To_MAGNA_Region_ 8_MB	15737	302.529	317.979	-319.08	2.80843147	-0.44851375	-2.81018885	-2.199976	1738580.767	-6120500.388	491473.3064
CR05_To_Ocotepeque_1935_ MB	108013	-213.116	-9.358	74.946	2.3514188	-0.0614669	6.394209	5.22	617749.7118	-6250547.7336	1102063.6099
Katanga_1955_To_RGRDC_20 05_2	4067	-102.283	-10.277	-257.396	-3.976	-0.002	-6.203	12.315	5580868.818	2826402.46	-1243557.996
Katanga_1955_To_WGS_1984 _2	4068	-102.283	-10.277	-257.396	-3.976	-0.002	-6.203	12.315	5580868.818	2826402.46	-1243557.996

Name	WKID	dx	dy	dz	rx	ry	rz	ds	X0	Y0	Z0
Korean_1985_To_Korea_2000_1	5189	-145.907	505.034	685.756	-1.162	2.347	1.592	6.342	-3159521.31	4068151.32	3748113.85
Korean_1985_To_WGS_1984_1	5191	-145.907	505.034	685.756	-1.162	2.347	1.592	6.342	-3159521.31	4068151.32	3748113.85
La_Canoa_To_REGVEN_1	1771	-270.933	115.599	-360.226	-5.266	-1.238	2.381	-5.109	2464351.594	-5783466.613	974809.808
La_Canoa_To_SIRGAS	108217	-270.933	115.599	-360.226	-5.266	-1.238	2.381	-5.109	2464351.594	-5783466.613	974809.808
La_Canoa_To_WGS_1984_2	1096	-270.933	115.599	-360.226	-5.266	-1.238	2.381	-5.109	2464351.594	-5783466.613	974809.808
Luxembourg_1930_To_ETRS_1989_2	1078	-265.983	76.918	20.182	0.4099	2.9332	-2.6881	0.43	4098647.674	442843.139	4851251.093
Luxembourg_1930_To_ETRS_1989_4	5483	-265.8867	76.9851	20.2667	0.33746	3.09264	-2.53861	0.4598	4103620.3943	440486.4235	4846923.4558
Luxembourg_1930_To_WGS_1984_2	1079	-265.983	76.918	20.182	0.4099	2.9332	-2.6881	0.43	4098647.674	442843.139	4851251.093
Luxembourg_1930_To_WGS_1984_4	5484	-265.8867	76.9851	20.2667	0.33746	3.09264	-2.53861	0.4598	4103620.3943	440486.4235	4846923.4558
MGI_To_WGS_1984_7	1795	408.0895	-288.9616	791.5498	-4.078662	0.022669	9.825424	94.060626	4444943.0248	1518098.4827	4302370.0765
Observatorio_Meteorologico_1965_To_WGS_1984_2	108234	-203.35	-302.66	-155.23	-33.338	76.825	32.412	7.926	-2361564.77	5417538.39	2391581.09
PSAD_1956_To_REGVEN	1769	-270.933	115.599	-360.226	-5.266	-1.238	2.381	-5.109	2464351.594	-5783466.613	974809.808
PSAD_1956_To_WGS_1984_13	1095	-270.933	115.599	-360.226	-5.266	-1.238	2.381	-5.109	2464351.594	-5783466.613	974809.808
S_JTSK_To_ETRS_1989_3	4829	558.7	68.8	452.2	-8.025	-4.105	-4.295	5.74	3977358.114	1407223.203	4765441.589
WGS_1984_To_Ain_el_Abd_1970_MB	108366	151.9082	251.0907	-0.2276	-0.91646	-1.0469	3.21042	-5.2723	3641909.2287	4425312.2897	2789434.9636
WGS_1984_To_Observatorio_Meteorologico_1965_2	108235	203.35	302.66	155.23	33.326	-76.831	-32.4	-7.926	-2361768.11	5417235.73	2391425.86
WGS_1984_To_Ocotepeque_1935_MB	108014	-213.116	-9.358	74.946	2.3514188	-0.0614669	6.394209	5.22	617749.7118	-6250547.7336	1102063.6099

Table 7: Geographic (datum) transformations: HARN, NADCON, and NTV2 methods

Geographic Transformation Name	WKID	Method	File name
AGD_1966_To_GDA_1994_10_NTV2_New_South_Wales_and_Victoria	1596	NTV2	Dataset_australia/SEAust_21_06_00
AGD_1966_To_GDA_1994_11_NTV2	1803	NTV2	Dataset_australia/A66_National_13_09_01
AGD_1966_To_GDA_1994_NTV2_Northern_Territory	1507	NTV2	Dataset_australia/nt_0599
AGD_1966_To_GDA_1994_NTV2_Tasmania	1506	NTV2	Dataset_australia/Tas_1098
AGD_1966_To_GDA_1994_NTV2_Victoria	1464	NTV2	Dataset_australia/Vic_0799
AGD_1966_To_WGS_1984_17_NTV2	15786	NTV2	Dataset_australia/A66_National_13_09_01
AGD_1984_To_GDA_1994_3	1559	NTV2	Dataset_australia/wa_0400
AGD_1984_To_GDA_1994_4_NTV2_Western_Australia	1593	NTV2	Dataset_australia/WA_0700
AGD_1984_To_GDA_1994_5_NTV2	1804	NTV2	Dataset_australia/National_84_02_07_01
AGD_1984_To_GDA_1994_NTV2_Queensland	108453	NTV2	Dataset_australia/QLD_0900
AGD_1984_To_WGS_1984_9_NTV2	15785	NTV2	Dataset_australia/National_84_02_07_01
American_Samoa_1962_To_HARN_American_Samoa_East	1579	HARN	Dataset_eshpgn
American_Samoa_1962_To_HARN_American_Samoa_West	1578	HARN	Dataset_wshpgn

Geographic Transformation Name	WKID	Method	File name
American_Samoa_1962_To_WGS_1984_2	1694	HARN	Dataset_wshpgn
American_Samoa_1962_To_WGS_1984_3	1695	HARN	Dataset_eshpgn
ATS_1977_To_NAD_1983_CSRS_2_NTv2_Prince_Edward_Is	1846	NTv2	Dataset_canada/PE7783v2
ATS_1977_To_NAD_1983_CSRS_NTv2_Maritimes	108302	NTv2	Dataset_canada/GS7783
ATS_1977_To_NAD_1983_CSRS_NTv2_New_Brunswick	1841	NTv2	Dataset_canada/NB7783v2
ATS_1977_To_NAD_1983_CSRS_NTv2_Nova_Scotia	1850	NTv2	Dataset_canada/NS778301
ATS_1977_To_WGS_1984_1	1688	NTv2	Dataset_canada/NB7783v2
ATS_1977_To_WGS_1984_2	1689	NTv2	Dataset_canada/PE7783v2
ATS_1977_To_WGS_1984_3	1851	NTv2	Dataset_canada/NS778301
CH1903_To_CH1903+_1_NTv2	15486	NTv2	Dataset_switzerland/CHENYX06
Corrego_Alegre_1961_To_SIRGAS_2000_1	5525	NTv2	Dataset_brazil/CA61_003
Corrego_Alegre_1961_To_WGS_1984_1	5540	NTv2	Dataset_brazil/CA61_003
Corrego_Alegre_To_SIRGAS_2000_1	5526	NTv2	Dataset_brazil/CA7072_003
Corrego_Alegre_To_WGS_1984_2	5541	NTv2	Dataset_brazil/CA7072_003
DHDN_To_ETRS_1989_8_NTv2	15948	NTv2	Dataset_germany/BETA2007
DHDN_To_WGS_1984_4_NTv2	15949	NTv2	Dataset_germany/BETA2007
ED_1950_To_ETRS_1989_12_NTv2_Spain_v2	15932	NTv2	Dataset_spain/SPED2ETV2
ED_1950_To_ETRS_1989_NTv2_Baleares	108118	NTv2	Dataset_spain/baleares
ED_1950_To_ETRS_1989_NTv2_Catalonia	108358	NTv2	Dataset_spain/100800401
ED_1950_To_ETRS_1989_NTv2_Peninsula	108126	NTv2	Dataset_spain/peninsula
ED_1950_To_WGS_1984_41_NTv2_Spain_v2	15933	NTv2	Dataset_spain/SPED2ETV2
ED_1950_To_WGS_1984_NTv2_Baleares	108119	NTv2	Dataset_spain/baleares
ED_1950_To_WGS_1984_NTv2_Catalonia	108359	NTv2	Dataset_spain/100800401
ED_1950_To_WGS_1984_NTv2_Peninsula	108136	NTv2	Dataset_spain/peninsula
ETRS_1989_To_NTF_3_NTv2	15959	NTv2	Dataset_france/rgf93_ntf
Guam_1963_To_HARN_Guam	1068	HARN	Dataset_guhpgn
Guam_1963_To_NAD_1983_HARN_Rota	108305	HARN	Dataset_c2hpgn
Guam_1963_To_NAD_1983_HARN_Saipan	108304	HARN	Dataset_c1hpgn
Guam_1963_To_WGS_1984_2	1069	HARN	Dataset_guhpgn
ISN_1993_To_ISN_2004	108214	NADCON	Dataset_icegrid2004
ISN_2004_To_ISN_1993	108216	NADCON	Dataset_ICEGRID93
JGD_2000_To_touhokutaiheiyouoki2011_NTv2_1	108020	NTv2	Dataset_japan/touhokutaiheiyouoki2011
NAD_1927_CGQ77_To_NAD_1983_2	1575	NTv2	Dataset_canada/CGQ77-83
NAD_1927_CGQ77_To_NAD_1983_CSRS	1845	NTv2	Dataset_canada/CGQ77-98
NAD_1927_CGQ77_To_WGS_1984_3	1691	NTv2	Dataset_canada/CGQ77-98
NAD_1927_DEF_1976_To_NAD_1983_NTv2_Ontario	1463	NTv2	Dataset_canada/May76v20
NAD_1927_DEF_1976_To_WGS_1984_1	1690	NTv2	Dataset_canada/May76v20
NAD_1927_To_NAD_1983_6	1573	NTv2	Dataset_canada/QUE27-83
NAD_1927_To_NAD_1983_Alaska	1243	NADCON	Dataset_alaska
NAD_1927_To_NAD_1983_CSRS_1	1844	NTv2	Dataset_canada/QUE27-98
NAD_1927_To_NAD_1983_CSRS_2	1847	NTv2	Dataset_canada/SK27-98

Geographic Transformation Name	WKID	Method	File name
NAD_1927_To_NAD_1983_NADCON	1241	NADCON	Dataset_conus
NAD_1927_To_NAD_1983_NTv2_Canada	1313	NTv2	Dataset_canada/Ntv2_0
NAD_1927_To_NAD_1983_PR_VI	108003	NADCON	Dataset_prvi
NAD_1927_To_WGS_1984_32	1703	NTv2	Dataset_canada/SK27-98
NAD_1927_To_WGS_1984_33	1693	NTv2	Dataset_canada/Ntv2_0
NAD_1927_To_WGS_1984_34	1692	NTv2	Dataset_canada/QUE27-98
NAD_1927_To_WGS_1984_79_CONUS	15851	NADCON	Dataset_conus
NAD_1927_To_WGS_1984_85	15864	NADCON	Dataset_alaska
NAD_1983_To_HARN_Alabama	1474	HARN	Dataset_alhpgn
NAD_1983_To_HARN_Arizona	1475	HARN	Dataset_azhpgn
NAD_1983_To_HARN_Arkansas	1704	HARN	Dataset_arhpgn
NAD_1983_To_HARN_CA_N	1476	HARN	Dataset_cnhpgn
NAD_1983_To_HARN_CA_S	1477	HARN	Dataset_cshpgn
NAD_1983_To_HARN_Colorado	1478	HARN	Dataset_cohpgn
NAD_1983_To_HARN_East_MT_ID	1481	HARN	Dataset_emhpgn
NAD_1983_To_HARN_East_Texas	1498	HARN	Dataset_ethpgn
NAD_1983_To_HARN_Florida	1480	HARN	Dataset_flhpgn
NAD_1983_To_HARN_Georgia	1479	HARN	Dataset_gahpgn
NAD_1983_To_HARN_Hawaii	1520	HARN	Dataset_hihpgn
NAD_1983_To_HARN_Illinois	1553	HARN	Dataset_ilhpgn
NAD_1983_To_HARN_Indiana	1521	HARN	Dataset_inhpgn
NAD_1983_To_HARN_Iowa	1705	HARN	Dataset_iahpgn
NAD_1983_To_HARN_Kansas	1522	HARN	Dataset_kshpgn
NAD_1983_To_HARN_Kentucky	1483	HARN	Dataset_kyhpgn
NAD_1983_To_HARN_Louisiana	1484	HARN	Dataset_lahpgn
NAD_1983_To_HARN_Maine	1486	HARN	Dataset_mehpgn
NAD_1983_To_HARN_MD_DE	1485	HARN	Dataset_mdhpgn
NAD_1983_To_HARN_Michigan	1487	HARN	Dataset_mihpgn
NAD_1983_To_HARN_Minnesota	1706	HARN	Dataset_mnhpgn
NAD_1983_To_HARN_Mississippi	1488	HARN	Dataset_mshpgn
NAD_1983_To_HARN_Missouri	1707	HARN	Dataset_mohpgn
NAD_1983_To_HARN_Montana_Idaho	108298	HARN	Dataset_imhpgn
NAD_1983_To_HARN_Nebraska	1489	HARN	Dataset_nbhpgn
NAD_1983_To_HARN_Nevada	1523	HARN	Dataset_nvhpgn
NAD_1983_To_HARN_New_England	1490	HARN	Dataset_nehpgn
NAD_1983_To_HARN_New_Jersey	1554	HARN	Dataset_njhpgn
NAD_1983_To_HARN_New_Mexico	1491	HARN	Dataset_nmhpgn
NAD_1983_To_HARN_New_York	1492	HARN	Dataset_nyhpgn
NAD_1983_To_HARN_North_Carolina	15834	HARN	Dataset_nchpgn
NAD_1983_To_HARN_North_Dakota	1493	HARN	Dataset_ndhpgn
NAD_1983_To_HARN_Ohio	1524	HARN	Dataset_ohhpgn
NAD_1983_To_HARN_Oklahoma	1494	HARN	Dataset_okhpgn

Geographic Transformation Name	WKID	Method	File name
NAD_1983_To_HARN_OR_WA	108291	HARN	Dataset_wohpgn
NAD_1983_To_HARN_Pennsylvania	15838	HARN	Dataset_pahpgn
NAD_1983_To_HARN_PR_VI	1495	HARN	Dataset_pvhpgn
NAD_1983_To_HARN_South_Carolina	15836	HARN	Dataset_schpgn
NAD_1983_To_HARN_South_Dakota	1496	HARN	Dataset_sdhpgn
NAD_1983_To_HARN_Tennessee	1497	HARN	Dataset_tnhpgn
NAD_1983_To_HARN_Utah	1525	HARN	Dataset_uthpgn
NAD_1983_To_HARN_Virginia	1500	HARN	Dataset_vahpgn
NAD_1983_To_HARN_WA_OR	1501	HARN	Dataset_wohpgn
NAD_1983_To_HARN_West_MT_ID	1482	HARN	Dataset_wmhpgn
NAD_1983_To_HARN_West_Texas	1499	HARN	Dataset_wthpgn
NAD_1983_To_HARN_West_Virginia	1526	HARN	Dataset_wvhpgn
NAD_1983_To_HARN_Wisconsin	1502	HARN	Dataset_wihpgn
NAD_1983_To_HARN_Wyoming	1503	HARN	Dataset_wyhpgn
NAD_1983_To_NAD_1983_CSRS_1	1843	NTv2	Dataset_canada/NAD83-98
NAD_1983_To_NAD_1983_CSRS_2	1848	NTv2	Dataset_canada/SK83-98
NAD_1983_To_NAD_1983_CSRS_3	1849	NTv2	Dataset_canada/AB_CSRS
NAD_1983_To_WGS_1984_6	1696	NTv2	Dataset_canada/NAD83-98
NAD_1983_To_WGS_1984_7	1697	NTv2	Dataset_canada/SK83-98
NAD_1983_To_WGS_1984_8	1702	NTv2	Dataset_canada/AB_CSRS
New_Zealand_1949_To_NZGD_2000_3_NTv2	1568	NTv2	Dataset_newzealand/nzgd2kgrid0005
NZGD_1949_To_WGS_1984_3_NTv2	1670	NTv2	Dataset_newzealand/nzgd2kgrid0005
Old_Hawaiian_To_NAD_1983	1454	NADCON	Dataset_hawaii
Old_Hawaiian_To_NAD_1983_HARN_Hawaii	108306	HARN	Dataset_ohdhihpgn
Old_Hawaiian_To_WGS_1984_8	15840	NADCON	Dataset_hawaii
OSGB_1936_To_ETRS_1989_1	5338	NTv2	Dataset_uk/OSTN02_NTv2
OSGB_1936_To_WGS_1984_7	5339	NTv2	Dataset_uk/OSTN02_NTv2
PD/83_To_WGS_1984_1_NTv2	15955	NTv2	Dataset_germany/BETA2007
Puerto_Rico_To_NAD_1983	1461	NADCON	Dataset_prvi
Puerto_Rico_To_WGS_1984_4	15841	NADCON	Dataset_prvi
RD/83_To_WGS_1984_1_NTv2	15954	NTv2	Dataset_germany/BETA2007
RGF_1993_To_NTF_NTv2	15958	NTv2	Dataset_france/rgf93_ntf
RGNC_1991-93_To_IGN72_Grande_Terre_6_NTv2	15962	NTv2	Dataset_france/RGNC1991_IGN72GrandeTerre
RGNC_1991-93_To_NEA74_Noumea_4_NTv2	1295	NTv2	Dataset_france/RGNC1991_NEA74Noumea
RGNC_1991_To_IGN72_Grande_Terre_NTv2	108471	NTv2	Dataset_france/RGNC1991_IGN72GrandeTerre
RGNC_1991_To_NEA74_Noumea_NTv2	108472	NTv2	Dataset_france/RGNC1991_NEA74Noumea
SAD_1969_96_To_SIRGAS_2000_1	5529	NTv2	Dataset_brazil/SAD96_003
SAD_1969_96_To_WGS_1984_1	5543	NTv2	Dataset_brazil/SAD96_003
SAD_1969_To_SIRGAS_2000_2	5528	NTv2	Dataset_brazil/SAD69_003
SAD_1969_To_WGS_1984_15	5542	NTv2	Dataset_brazil/SAD69_003
St_George_To_NAD_1983	1457	NADCON	Dataset_stgeorge

Geographic Transformation Name	WKID	Method	File name
St_George_To_WGS_1984_1	1698	NADCON	Dataset_stgeorge
St_Lawrence_To_NAD_1983	1455	NADCON	Dataset_stlrc
St_Lawrence_To_WGS_1984_1	1699	NADCON	Dataset_stlrc
St_Paul_To_NAD_1983	1456	NADCON	Dataset_stpaul
St_Paul_To_WGS_1984_1	1700	NADCON	Dataset_stpaul
Tokyo_To_JGD_2000_NTv2	108108	NTv2	Dataset_japan/ky2jgd
Tokyo_To_WGS_1984_NTv2	108109	NTv2	Dataset_japan/ky2jgd
WGS_1984_To_NTF_NTv2	15960	NTv2	Dataset_france/rgf93_ntf

Table 8: Geographic transformation methods: well-known IDs

Geographic Transformation Method Name	WKID
Bursa_Wolf	109607
Coordinate_Frame	9607
Geocentric_Translation	9603
Geographic_2D_Offset	9619
HARN	109613
Longitude_Rotation	9601
Molodensky	9604
Molodensky_Abridged	9605
Molodensky_Badegas	9636
NADCON	9613
NTv2	9615
Null	109600
Position_Vector	9606
Unit_Change	109601

Table 9: Geographic transformation methods: parameters

Geographic Transformation Method Name	Parameter Name	Default Value	Array Position
Bursa_Wolf	X_Axis_Translation	0	0
	Y_Axis_Translation	0	1
	Z_Axis_Translation	0	2
	X_Axis_Rotation	0	3
	Y_Axis_Rotation	0	4
	Z_Axis_Rotation	0	5
	Scale_Difference	0	6
Coordinate_Frame	X_Axis_Translation	0	0

Geographic Transformation Method Name	Parameter Name	Default Value	Array Position
	Y_Axis_Translation	0	1
	Z_Axis_Translation	0	2
	X_Axis_Rotation	0	3
	Y_Axis_Rotation	0	4
	Z_Axis_Rotation	0	5
	Scale_Difference	0	6
Geocentric_Translation	X_Axis_Translation	0	0
	Y_Axis_Translation	0	1
	Z_Axis_Translation	0	2
Geographic_2D_Offset	Longitude_Offset	0	10
	Latitude_Offset	0	11
HARN	Dataset_	0	15
Longitude_Rotation			
Molodensky	X_Axis_Translation	0	0
	Y_Axis_Translation	0	1
	Z_Axis_Translation	0	2
Molodensky_Abridged	X_Axis_Translation	0	0
	Y_Axis_Translation	0	1
	Z_Axis_Translation	0	2
Molodensky_Badekas	X_Axis_Translation	0	0
	Y_Axis_Translation	0	1
	Z_Axis_Translation	0	2
	X_Axis_Rotation	0	3
	Y_Axis_Rotation	0	4
	Z_Axis_Rotation	0	5
	Scale_Difference	0	6
	X_Coordinate_of_Rotation_Origin	0	7
	Y_Coordinate_of_Rotation_Origin	0	8
Z_Coordinate_of_Rotation_Origin	0	9	
NADCON	Dataset_	0	15
NTv2	Dataset_	0	15

Geographic Transformation Method Name	Parameter Name	Default Value	Array Position
Null			
Position_Vector	X_Axis_Translation	0	0
	Y_Axis_Translation	0	1
	Z_Axis_Translation	0	2
	X_Axis_Rotation	0	3
	Y_Axis_Rotation	0	4
	Z_Axis_Rotation	0	5
	Scale_Difference	0	6
Unit_Change			

Table 10: Vertical transformations: well-known IDs, accuracies, and areas of use

Vertical Transformation Name	WKID	Accuracy (m)	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
AIOC95_Depth_To_Caspian_1	5403	0	Azerbaijan - offshore and Sangachal	37.9	48.66	42.58	51.73
Alicante_To_EVRS_2000_1	5429	0.1	Spain – mainland onshore	35.96	-9.36	43.81	3.39
Baltic_1982_Height_To_EVRF_2007_Height_1	5200	0.1	Bulgaria - onshore	41.24	22.37	44.22	28.67
Baltic_1982_To_EVRS_2000_1	5416	0.1	Bulgaria	41.24	22.37	44.22	31.35
Baltic_Height_To_EVRF_2007_Height_1	5202	0.1	Czech Republic	48.58	12.09	51.05	18.85
Baltic_Height_To_EVRF_2007_Height_2	5203	0.1	Estonia - onshore	57.52	21.74	59.71	28.19
Baltic_Height_To_EVRF_2007_Height_3	5204	0.1	Lithuania - onshore	53.89	20.87	56.45	26.81
Baltic_Height_To_EVRF_2007_Height_4	5210	0.1	Latvia - onshore	55.67	20.88	58.08	28.24
Baltic_Height_To_EVRS_2000_Height_1	5436	0.1	Estonia - onshore	57.52	21.74	59.71	28.19
Baltic_Height_To_EVRS_2000_Height_4	5201	0.1	Czech Republic	48.58	12.09	51.05	18.85
Baltic_Height_To_EVRS_2000_Height_5	5209	0.1	Latvia - onshore	55.67	20.88	58.08	28.24
Baltic_To_AIOC95_Depth_1	5402	0	Azerbaijan - offshore and Sangachal	37.9	48.66	42.58	51.73
Baltic_To_Black_Sea_1	5404	0	Georgia	41.05	38.97	43.58	46.71
Baltic_To_Caspian_1	5400	0	Asia - FSU - Caspian Sea	37.35	46.95	46.96	53.92
Baltic_To_EVRS_2000_2	5437	0.1	Lithuania - onshore	53.89	20.87	56.45	26.81
Baltic_To_EVRS_2000_3	5435	0.1	Slovakia	47.74	16.84	49.6	22.56
Belfast_To_Malin_Head_1	5406	0.01	Europe - Ireland (Republic and Ulster) - onshore	51.4	-10.56	55.43	-5.35
Cascais_To_EVRS_2000_1	5427	0.1	Portugal - mainland - onshore	36.96	-9.55	42.15	-6.19
Constanta_Height_To_EVRF_2007_Height_1	5206	0.1	Romania - onshore	43.62	20.26	48.26	29.73
Constanta_Height_To_EVRS_2000_Height_1	5205	0.1	Romania - onshore	43.62	20.26	48.26	29.73
DHHN85_Height_To_EVRF_2007_Height_1	5212	0.1	Germany - West Germany all states	47.27	5.87	55.09	13.83

Vertical Transformation Name	WKID	Accuracy (m)	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
DHHN85_To_EVRS_2000_1	5421	0.1	Germany - West Germany all states	47.27	5.87	55.09	13.83
DHHN92_Height_To_EVRF_2007_Height_1	5211	0.1	Germany - onshore	47.27	5.87	55.09	15.03
DHHN92_To_EVRS_2000_1	5420	0.1	Germany - onshore	47.27	5.87	55.09	15.03
DNN_To_EVRS_2000_1	5417	0.1	Denmark - onshore	54.51	8.0	57.8	15.24
EOMA_1980_To_EVRS_2000_1	5424	0.1	Hungary	45.75	16.11	48.58	22.89
Genoa_Height_To_EVRF_2007_Height_1	5215	0.1	Italy - mainland	37.87	6.62	47.09	18.58
Genoa_Height_To_EVRF_2007_Height_2	5217	0.1	Italy - Sicily	36.6	12.37	38.35	15.7
Genoa_Height_To_EVRS_2000_Height_1	5213	0.1	Italy - mainland	37.87	6.62	47.09	18.58
Genoa_Height_To_EVRS_2000_Height_2	5216	0.1	Italy - Sicily	36.6	12.37	38.35	15.7
GHA_To_EVRS_2000_1	5415	0.1	Austria	46.41	9.53	49.02	17.17
Hong_Kong_Principal_Height_To_Hong_Kong_Chart_Depth_1	5405	0	China - Hong Kong	22.16	113.89	22.62	114.57
HVRS_1971_Height_To_EVRF_2007_Height_1	5197	0.1	Croatia - onshore	42.35	13.43	46.54	19.43
HVRS_1971_Height_To_EVRS_2000_Height_1	5196	0.1	Croatia - onshore	42.35	13.43	46.54	19.43
KOC_CD_To_KOC_WD_1	5413	0.1	Kuwait - onshore	28.56	46.57	30.1	48.45
KOC_CD_To_Kuwait_PWD_1	5412	0.1	Kuwait	28.56	46.57	30.1	49.24
KOC_WD_To_Kuwait_PWD_1	5414	0.1	Kuwait	28.56	46.57	30.1	49.24
LN02_To_EVRS_2000_1	5431	0.1	Europe - Liechtenstein and Switzerland	45.83	5.97	47.81	10.49
LN_1902_Height_To_EVRF_2007_Height_1	5207	0.1	Europe - Liechtenstein and Switzerland	45.83	5.97	47.81	10.49
N60_To_EVRS_2000_1	5432	0.1	Finland - onshore	59.76	19.41	70.09	31.58
NAP_To_EVRS_2000_1	5425	0.1	Netherlands - onshore	50.75	3.21	53.71	7.21
Newlyn_To_EVRS_2000_1	110083	0.1	UK - Great Britain mainland onshore	49.91	-7.08	58.71	1.83
NGF_IGN69_To_EVRS_2000_1	5419	0.1	France - mainland onshore	42.33	-4.87	51.14	8.23
NGVD29_To_NAVD88_HARN_Central	110016	0.02	USA - CONUS 89°W-107°W - onshore	25.84	-107	49.38	-89
NGVD29_To_NAVD88_HARN_East	110014	0.02	USA - CONUS east of 89°W - onshore	24.41	-89	48.31	-66.92
NGVD29_To_NAVD88_HARN_ECW	110015	0.02	USA - CONUS - onshore	24.41	-124.79	49.38	-66.92
NGVD29_To_NAVD88_HARN_West	110017	0.02	USA - CONUS west of 107°W - onshore	31.33	-124.79	49.05	-107
NGVD29_To_NAVD88_NAD27_1_West	5409	0.02	USA - CONUS west of 107°W - onshore	31.33	-124.79	49.05	-107
NGVD29_To_NAVD88_NAD27_2_Central	5410	0.02	USA - CONUS 89°W-107°W - onshore	25.84	-107	49.38	-89
NGVD29_To_NAVD88_NAD27_3_East	5411	0.02	USA - CONUS east of 89°W - onshore	24.41	-89	48.31	-66.92
NGVD29_To_NAVD88_NAD27_ECW	110009	0.02	USA - CONUS - onshore	24.41	-124.79	49.38	-66.92
NGVD29_To_NAVD88_NAD83_Central	110012	0.02	USA - CONUS 89°W-107°W - onshore	25.84	-107	49.38	-89
NGVD29_To_NAVD88_NAD83_East	110010	0.02	USA - CONUS east of 89°W - onshore	24.41	-89	48.31	-66.92

Vertical Transformation Name	WKID	Accuracy (m)	Area of Use	Minimum Latitude	Minimum Longitude	Maximum Latitude	Maximum Longitude
NGVD29_To_NAVD88_NAD83_ECW	110011	0.02	USA - CONUS - onshore	24.41	-124.79	49.38	-66.92
NGVD29_To_NAVD88_NAD83_West	110013	0.02	USA - CONUS west of 107°W - onshore	31.33	-124.79	49.05	-107
NN54_To_EVRS_2000_1	5426	0.1	Norway - onshore	57.94	4.69	71.2	31.22
NVN99_To_EVRS_2000_1	5428	0.1	Slovenia - onshore	45.43	13.38	46.88	16.61
NZVD2009_To_Auckland_1	4442	0.05	New Zealand - North Island - Auckland vcrs	-37.5	174	-35.8	176
NZVD2009_To_Bluff_1	4451	0.05	New Zealand - South Island - Bluff vcrs	-46.6	168	-46.3	168.7
NZVD2009_To_Dunedin_1	4450	0.07	New Zealand - South Island - Dunedin vcrs	-46	168	-44	171
NZVD2009_To_Dunedin_Bluff_1960_1	4453	0.04	New Zealand - South Island - Dunedin-Bluff vcrs	-46.7	166.4	-44.7	170.3
NZVD2009_To_Gisborne_1	4445	0.02	New Zealand - North Island - Gisborne vcrs	-39	176.3	-37.5	178.5
NZVD2009_To_Lyttleton_1	4449	0.09	New Zealand - South Island - Lyttleton vcrs	-45	168.2	-41.3	174
NZVD2009_To_Moturiki_1	4443	0.06	New Zealand - North Island - Moturiki vcrs	-40.2	174.2	-37.5	177.4
NZVD2009_To_Napier_1	4446	0.05	New Zealand - North Island - Hawkes Bay mc Napier vcrs	-40.6	175.9	-38.9	178.1
NZVD2009_To_Nelson_1	4444	0.07	New Zealand - South Island - Nelson vcrs	-42.3	171.5	-40.5	173.6
NZVD2009_To_One_Tree_Point_1	4441	0.03	New Zealand - North Island - One Tree vcrs	-36.5	172.5	-34	175
NZVD2009_To_Stewart_Island_1	4452	0.15	New Zealand - Stewart Island	-47.4	167.3	-46.67	168.45
NZVD2009_To_Taranaki_1	4447	0.05	New Zealand - North Island - Taranaki vcrs	-40	173.7	-38.5	175
NZVD2009_To_Wellington_1	4448	0.04	New Zealand - North Island - Wellington vcrs	-41.8	176.3	-40	178.5
Oostende_Height_To_EVRF_2007_Height_1	5199	0.1	Belgium - onshore	49.51	2.51	51.5	6.4
Oostende_Height_To_EVRS_2000_Height_1	5198	0.1	Belgium - onshore	49.51	2.51	51.5	6.4
Poolbeg_To_Belfast_1	5408	0.1	UK - Northern Ireland - onshore	53.96	-8.17	55.35	-5.35
Poolbeg_To_Malin_Head_1	5407	0.1	Europe - Ireland (Republic and Ulster) - onshore	51.4	-10.56	55.43	-5.35
RH2000_Height_To_EVRF_2007_Height_1	5208	0.1	Sweden - onshore	55.29	10.94	69.06	24.17
RH70_To_EVRS_2000_1	5430	0.1	Sweden - onshore	55.29	10.94	69.06	24.17
SNN76_To_EVRS_2000_1	5422	0.1	Germany - East Germany all states	50.2	9.92	54.73	15.03
WGS_1984_To_EGM_1984_Geoid_1	15781	1	World	-90	-180	90	180
WGS_1984_To_EGM_1984_Geoid_2	110085	1	World	-90	-180	90	180
WGS_1984_To_EGM_1996_Geoid_1	10084	1	World	-90	-180	90	180
WGS_1984_To_EGM_1996_Geoid_2	110084	1	World	-90	-180	90	180

Table 11: Vertical transformations: Vertical offset method

Vertical Transformation Name	WKID	Method	Z Shift
AIOC95_Depth_To_Caspian_1	5403	Vertical_Offset	-1.7
Baltic_To_AIOC95_Depth_1	5402	Vertical_Offset	-26.3
Baltic_To_Black_Sea_1	5404	Vertical_Offset	0.4
Baltic_To_Caspian_1	5400	Vertical_Offset	-28
Belfast_To_Malin_Head_1	5406	Vertical_Offset	-0.037
Cascais_To_EVRS_2000_1	5427	Vertical_Offset	-0.315
Hong_Kong_Principal_Height_To_Hong_Kong_Chart_Depth_1	5405	Vertical_Offset	-0.146
KOC_CD_To_KOC_WD_1	5413	Vertical_Offset	4.74
KOC_CD_To_Kuwait_PWD_1	5412	Vertical_Offset	-0.49
KOC_WD_To_Kuwait_PWD_1	5414	Vertical_Offset	4.25
N60_To_EVRS_2000_1	5432	Vertical_Offset	0.213
NAP_To_EVRS_2000_1	5425	Vertical_Offset	-0.005
NGF_IGN69_To_EVRS_2000_1	5419	Vertical_Offset	-0.486
NZVD2009_To_Auckland_1	4442	Vertical_Offset	0.34
NZVD2009_To_Bluff_1	4451	Vertical_Offset	0.36
NZVD2009_To_Dunedin_1	4450	Vertical_Offset	0.49
NZVD2009_To_Dunedin_Bluff_1960_1	4453	Vertical_Offset	0.38
NZVD2009_To_Gisborne_1	4445	Vertical_Offset	0.34
NZVD2009_To_Lyttleton_1	4449	Vertical_Offset	0.47
NZVD2009_To_Moturiki_1	4443	Vertical_Offset	0.24
NZVD2009_To_Napier_1	4446	Vertical_Offset	0.2
NZVD2009_To_Nelson_1	4444	Vertical_Offset	0.29
NZVD2009_To_One_Tree_Point_1	4441	Vertical_Offset	0.06
NZVD2009_To_Stewart_Island_1	4452	Vertical_Offset	0.39
NZVD2009_To_Taranaki_1	4447	Vertical_Offset	0.32
NZVD2009_To_Wellington_1	4448	Vertical_Offset	0.44
Poolbeg_To_Belfast_1	5408	Vertical_Offset	-2.7
Poolbeg_To_Malin_Head_1	5407	Vertical_Offset	-2.7

Table 12: Vertical transformations: Vertical offset and slope method

Vertical Transformation Name	WKID	Method	Z shift	dlat	dlon	Inclination North	Inclination East
Alicante_To_EVRS_2000_1	5429	Vertical_Offset_and_Slope	-0.486	40.77222222222222	3.659722222222222	-0.003	0.006
Baltic_1982_Height_To_EVRF_2007_Height_1	5200	Vertical_Offset_and_Slope	0.228	42.625	25.376666666666667	-0.009	-0.003
Baltic_1982_To_EVRS_2000_1	5416	Vertical_Offset_and_Slope	0.182	42.625	25.376666666666667	0.001	-0.004
Baltic_Height_To_EVRF_2007_Height_1	5202	Vertical_Offset_and_Slope	0.13	49.916666666666666	15.25	0.026	0

Vertical Transformation Name	WKID	Method	Z shift	dlat	dlon	Inclination North	Inclination East
Baltic_Height_To_EVRF_2007_Height_2	5203	Vertical_Offset_and_Slope	0.195	58.7	25.866666666666667	0.009	-0.013
Baltic_Height_To_EVRF_2007_Height_3	5204	Vertical_Offset_and_Slope	0.121	55.3	24.016666666666667	0.053	0
Baltic_Height_To_EVRF_2007_Height_4	5210	Vertical_Offset_and_Slope	0.154	56.966666666666667	24.883333333333333	0.016	-0.012
Baltic_Height_To_EVRS_2000_Height_1	5436	Vertical_Offset_and_Slope	0.133	58.7	25.866666666666667	-0.014	0.005
Baltic_Height_To_EVRS_2000_Height_4	5201	Vertical_Offset_and_Slope	0.116	49.916666666666666	15.25	0.036	0
Baltic_Height_To_EVRS_2000_Height_5	5209	Vertical_Offset_and_Slope	0.105	56.966666666666667	24.883333333333333	0	0.004
Baltic_To_EVRS_2000_2	5437	Vertical_Offset_and_Slope	0.102	55.3	24.016666666666667	0	0.02
Baltic_To_EVRS_2000_3	5435	Vertical_Offset_and_Slope	0.122	48.633333333333333	19.25	0.02	0
Constanta_Height_To_EVRF_2007_Height_1	5206	Vertical_Offset_and_Slope	0.062	46.016666666666667	24.816666666666667	-0.005	0.008
Constanta_Height_To_EVRS_2000_Height_1	5205	Vertical_Offset_and_Slope	0.028	46.016666666666667	24.816666666666667	0.002	0.002
DHHN85_Height_To_EVRF_2007_Height_1	5212	Vertical_Offset_and_Slope	0.017	51.05	8.666666666666666	-0.011	0.005
DHHN85_To_EVRS_2000_1	5421	Vertical_Offset_and_Slope	0.017	51.05	8.666666666666666	-0.002	0.003
DHHN92_Height_To_EVRF_2007_Height_1	5211	Vertical_Offset_and_Slope	0.015	51.05	10.216666666666667	-0.01	0.002
DHHN92_To_EVRS_2000_1	5420	Vertical_Offset_and_Slope	0.014	51.05	10.216666666666667	-0.001	0
DNN_To_EVRS_2000_1	5417	Vertical_Offset_and_Slope	0.011	56.033333333333333	9.233333333333333	0.003	0.011
EOMA_1980_To_EVRS_2000_1	5424	Vertical_Offset_and_Slope	0.14	46.983333333333333	19.583333333333333	0.008	-0.002
Genoa_Height_To_EVRF_2007_Height_1	5215	Vertical_Offset_and_Slope	-0.259	42.583333333333334	12.966666666666667	-0.036	0
Genoa_Height_To_EVRF_2007_Height_2	5217	Vertical_Offset_and_Slope	-0.333	37.5	14.3	-0.051	0
Genoa_Height_To_EVRS_2000_Height_1	5213	Vertical_Offset_and_Slope	-0.309	42.583333333333334	12.966666666666667	-0.03	0
Genoa_Height_To_EVRS_2000_Height_2	5216	Vertical_Offset_and_Slope	-0.402	37.5	14.3	-0.079	0
GHA_To_EVRF_2007_height_1	5557	Vertical_Offset_and_Slope	-0.335	47.533333333333333	14.45	-0.065	-0.06
GHA_To_EVRS_2000_1	5415	Vertical_Offset_and_Slope	-0.356	47.533333333333333	14.45	-0.057	-0.058
HVRS_1971_Height_To_EVRF_2007_Height_1	5197	Vertical_Offset_and_Slope	-0.313	45.35	16.366666666666667	-0.016	-0.018
HVRS_1971_Height_To_EVRS_2000_Height_1	5196	Vertical_Offset_and_Slope	-0.343	45.35	16.366666666666667	-0.007	-0.016
LN02_To_EVRS_2000_1	5431	Vertical_Offset_and_Slope	-0.245	46.916666666666666	8.183333333333333	-0.21	-0.032
LN_1902_Height_To_EVRF_2007_Height_1	5207	Vertical_Offset_and_Slope	-0.225	46.916666666666666	8.183333333333333	-0.221	-0.033
Newlyn_To_EVRS_2000_1	110083	Vertical_Offset_and_Slope	0.07	54.583333333333334	-2.25	0.044	0
NN54_To_EVRS_2000_1	5426	Vertical_Offset_and_Slope	-0.001	62.933333333333333	11.166666666666667	-0.01	0.034
NVN99_To_EVRS_2000_1	5428	Vertical_Offset_and_Slope	-0.411	46	15	-0.033	0.008
Oostende_Height_To_EVRF_2007_Height_1	5199	Vertical_Offset_and_Slope	-2.317	50.716666666666667	4.766666666666667	-0.031	0
Oostende_Height_To_EVRS_2000_Height_1	5198	Vertical_Offset_and_Slope	-2.311	50.716666666666667	4.766666666666667	-0.016	0
RH2000_Height_To_EVRF_2007_Height_1	5208	Vertical_Offset_and_Slope	-0.008	64	16.233333333333333	-0.0006	-0.0003
RH70_To_EVRS_2000_1	5430	Vertical_Offset_and_Slope	0.005	64	16.233333333333333	-0.012	0
SNN76_To_EVRS_2000_1	5422	Vertical_Offset_and_Slope	0.157	52.533333333333333	13.166666666666667	0.007	0.005

Table 13: Vertical transformations: file-based methods

Vertical Transformation Name	WKID	Method	File name
NGVD29_To_NAVD88_HARN_Central	110016	VERTCON	Dataset_vertconc.94
NGVD29_To_NAVD88_HARN_East	110014	VERTCON	Dataset_vertcone.94
NGVD29_To_NAVD88_HARN_ECW	110015	VERTCON	Dataset_vertconecw.94
NGVD29_To_NAVD88_HARN_West	110017	VERTCON	Dataset_vertconw.94
NGVD29_To_NAVD88_NAD27_1_West	5409	VERTCON	Dataset_vertconw.94
NGVD29_To_NAVD88_NAD27_2_Central	5410	VERTCON	Dataset_vertconc.94
NGVD29_To_NAVD88_NAD27_3_East	5411	VERTCON	Dataset_vertcone.94

NGVD29_To_NAVD88_NAD27_ECW	110009	VERTCON	Dataset_vertconecw.94
NGVD29_To_NAVD88_NAD83_Central	110012	VERTCON	Dataset_vertconc.94
NGVD29_To_NAVD88_NAD83_East	110010	VERTCON	Dataset_vertcone.94
NGVD29_To_NAVD88_NAD83_ECW	110011	VERTCON	Dataset_vertconecw.94
NGVD29_To_NAVD88_NAD83_West	110013	VERTCON	Dataset_vertconw.94
WGS_1984_To_EGM_1984_Geoid_1	15781	EGM84	Dataset_egm84.grd
WGS_1984_To_EGM_1984_Geoid_2	110085	EGM84_Natural_Spline	Dataset_egm84.grd
WGS_1984_To_EGM_1996_Geoid_1	10084	EGM96	Dataset_egm96.grd
WGS_1984_To_EGM_1996_Geoid_2	110084	EGM96_Natural_Spline	Dataset_egm96.grd

Table 14: Vertical transformation methods

Vertical Method Name	WKID
EGM84	129861
EGM84_Natural_Spline	129961
EGM96	129661
EGM96_Natural_Spline	129761
GEOID	129665
VERTCON	129658
Vertical_Offset	129616
Vertical_Offset_and_Slope	129657
VTGridFile	129600

Table 15: Vertical transformations: parameters

Vertical Method Name	Parameter Name	Default Value	Array Position
EGM84	Dataset_	0	15
EGM84_Natural_Spline	Dataset_	0	15
EGM96	Dataset_	0	15
EGM96_Natural_Spline	Dataset_	0	15
GEOID	Dataset_	0	15
VERTCON	Dataset_	0	15
Vertical_Offset	Vertical_Offset	0	0
Vertical_Offset_and_Slope	Vertical_Offset	0	0
	Longitude_Of_Evaluation	0	2

	Latitude_Of_Evaluation	0	6
	Inclination_North	0	13
	Inclination_East	0	14
VTGridFile	Interpolation_Type	0	12
	Dataset_	0	15