

Auxiliary Table. Helmert Transformation Parameters To Transform Velocities in Published Studies From Original Reference Frame to ITRF2000 Frame Of Our Core Solution

Source	Region	Frame ¹	ω_x	ω_y	ω_z	$\rho(x,y)$	$\rho(x,z)$	$\rho(y,z)$	X_x	X_y	X_z	$\rho(x,y)$	$\rho(x,z)$	$\rho(y,z)$
<i>Abrahamov et al.</i> [1996]	Tien Shan	AZOK	-0.0371 ± 0.0366	-0.2356 ± 0.1387	0.1271 ± 0.1374	0.99	0.99	1.00	--	--	--	--	--	--
<i>Antonelis et al.</i> [1999]	Gulf California	MAZA	0.0014 ± 0.2392	-0.1941 ± 0.6246	0.0142 ± 0.3100	1.00	-0.99	-0.99	--	--	--	--	--	--
<i>Apel et al.</i> [2006]	Northeast Asia	North America	0.0214 ± 0.0018	-0.1983 ± 0.0047	-0.0102 ± 0.0029	-0.01	0.18	0.11	-0.1387 ± 0.5451	-0.7866 ± 0.4642	0.3031 ± 0.3081	0.04	0.18	0.17
<i>Árnadóttir et al.</i> [2006] ²	Iceland	ITRF2000	0.1529 ± 0.0689	-0.0640 ± 0.0270	0.3734 ± 0.1517	-1.00	1.00	-1.00	--	--	--	--	--	--
<i>Avallone et al.</i> [2004]	Greece	ITRF2000	-0.0035 ± 0.0144	-0.0049 ± 0.0044	-0.0051 ± 0.0190	0.85	0.99	0.86	--	--	--	--	--	--
<i>Avé-Lallemant and Oldow</i> [2000] ²	Aleutians	FAIR	-0.0204 ± 0.0201	-0.2293 ± 0.0085	0.1352 ± 0.0323	0.59	-0.95	-0.62	--	--	--	--	--	--
<i>Beavan and Haines</i> [2001] ³	New Zealand	ITRF2000	-0.0036 ± 0.0109	-0.0003 ± 0.0077	-0.0033 ± 0.0115	-0.60	0.79	-0.61	--	--	--	--	--	--
<i>Beavan et al.</i> [2001]	Luzon (Phil.)	ITRF96	0.0183 ± 0.0082	-0.0096 ± 0.0289	-0.0058 ± 0.0453	0.85	0.01	0.13	1.2638 ± 3.3304	2.7526 ± 3.1026	-2.6363 ± 5.0085	0.89	-0.10	-0.01
<i>Beavan et al.</i> [2002]	Pacific Plate	ITRF2000	-0.0010 ± 0.0019	-0.0021 ± 0.0033	-0.0032 ± 0.0036	-0.45	0.52	-0.42	0.0762 ± 0.2924	0.1545 ± 0.3607	-0.6095 ± 0.3503	-0.39	-0.52	-0.54
<i>Bevis et al.</i> [1995] ⁴	Tonga - Fiji	Pacific	-0.2652 ± 0.9870	0.2971 ± 0.1201	-0.6342 ± 0.3147	0.94	0.99	0.93	--	--	--	--	--	--
<i>Bilham et al.</i> [1999] ²	Ethiopia	ADD1	0.3413 ± 0.5188	0.0766 ± 0.4252	0.2799 ± 0.1010	1.00	1.00	1.00	--	--	--	--	--	--
<i>Bock et al.</i> [2003]	Indonesia	ITRF2000	-0.0027 ± 0.0021	0.0027 ± 0.0017	-0.0034 ± 0.0028	-0.14	0.65	-0.05	--	--	--	--	--	--
<i>Brooks et al.</i> [2003]	Southern Andes	South America	-0.0595 ± 0.0103	-0.0818 ± 0.0142	-0.0431 ± 0.0086	-0.81	-0.60	0.65	--	--	--	--	--	--
<i>Bürgmann et al.</i> [2005]	Kamchatka	North America	0.0253 ± 0.0140	-0.2021 ± 0.0071	-0.0029 ± 0.0274	-0.15	-0.87	0.18	--	--	--	--	--	--
<i>Calais et al.</i> [2002]	Northern Caribbean	North America	0.0372 ± 0.0019	-0.1510 ± 0.0111	0.0006 ± 0.0104	-0.18	0.19	0.68	-3.1896 ± 1.5513	-1.1704 ± 1.5508	1.8624 ± 1.3583	-0.06	0.04	0.86
<i>Calais et al.</i> [2003]	Mongolia	ITRF2000	0.0070 ± 0.0017	0.0129 ± 0.0063	-0.0099 ± 0.0047	0.00	-0.24	-0.66	-1.9009 ± 0.9306	0.7840 ± 0.7942	-0.6017 ± 0.5171	-0.32	0.13	-0.75
<i>Calmant et al.</i> [2003]	New Hebrides	Australia	0.4071 ± 0.0056	0.3171 ± 0.0032	0.3228 ± 0.0044	-0.48	0.75	-0.43	--	--	--	--	--	--
<i>Clarke et al.</i> [1998]	Corinth Rift	GC54	0.0785 ± 0.5288	-0.1078 ± 0.2247	0.3187 ± 0.4532	1.00	1.00	1.00	--	--	--	--	--	--
<i>Cocard et al.</i> [1999]	Greece	Eurasia	0.0871 ± 0.0945	-0.0988 ± 0.0360	0.3061 ± 0.0816	0.98	0.99	0.98	--	--	--	--	--	--
<i>D'Alessio et al.</i> [2005]	Northern California	ITRF2000	0.0057 ± 0.0008	0.0223 ± 0.0015	-0.0031 ± 0.0013	0.07	0.02	0.03	-1.0789 ± 0.1660	0.2626 ± 0.1427	1.4829 ± 0.1221	0.04	-0.03	0.00
<i>Dietrich et al.</i> [2004]	Antarctica	ITRF2000	0.0071 ± 0.0023	0.0050 ± 0.0054	-0.0028 ± 0.0030	-0.35	0.03	-0.26	0.7950 ± 0.5789	-0.4358 ± 0.5522	-0.7181 ± 0.3237	-0.14	0.21	-0.39
<i>Dixon et al.</i> [2000]	Baja California	North America	0.0402 ± 0.0390	-0.1578 ± 0.0769	-0.0349 ± 0.0535	0.98	-0.98	-0.99	--	--	--	--	--	--
<i>Dixon et al.</i> [2002]	Baja California	North America	0.0659 ± 0.2146	0.1113 ± 0.4442	-0.0603 ± 0.3007	1.00	-1.00	-1.00	--	--	--	--	--	--

Auxiliary Table (continued)

EBRY ⁵	East Basin & Range	ITRF2000	0.0205 ±0.0049	-0.2012 ±0.0112	-0.0196 ±0.0106	0.86	-0.86	-0.95	--	--	--	--	--	--
<i>Fadil et al.</i> [2006]	Morocco	Eurasia	-0.0347 ±0.0014	-0.1373 ±0.0009	0.2034 ±0.0016	0.10	0.79	0.16	--	--	--	--	--	--
<i>Fernandes et al.</i> [2004a]	Nubia-Somalia	ITRF2000	0.0051 ±0.0064	0.0027 ±0.0041	-0.0013 ±0.0041	0.26	-0.17	-0.16	--	--	--	--	--	--
<i>Fernandes et al.</i> [2004b] ²	Azores	ITRF2000	0.0025 ±0.0741	0.0003 ±0.0400	-0.0050 ±0.0669	-0.99	1.00	-0.99	--	--	--	--	--	--
<i>Fletcher and Freymueller</i> [2003] ²	Fair-weather flt.	WHIT	-0.3648 ±0.2279	-0.5696 ±0.2251	0.9848 ±0.5726	1.00	-1.00	-1.00	--	--	--	--	--	--
<i>Freymueller et al.</i> [1999]	Northern California	Pacific	-0.4383 ±0.2272	-0.1986 ±0.3638	-0.1130 ±0.3506	1.00	-1.00	-1.00	--	--	--	--	--	--
<i>Gonzalez-Garcia et al.</i> [2003]	Gulf of California	ITRF2000	-0.0004 ±0.0021	0.0038 ±0.0036	-0.0074 ±0.0040	-0.21	0.16	-0.44	--	--	--	--	--	--
<i>Hollenstein et al.</i> [2003]	Southern Italy	Eurasia	0.0041 ±0.0660	-0.1346 ±0.0155	-0.2411 ±0.0548	0.93	0.99	0.93	--	--	--	--	--	--
<i>Hollenstein et al.</i> [2006]	Southern Greece	Eurasia	-0.0978 ±0.3557	-0.1780 ±0.1320	0.1405 ±0.3081	1.00	1.00	1.00	--	--	--	--	--	--
<i>Iwakuni et al.</i> [2004]	Thailand	Eurasia	-0.0146 ±0.0057	-0.0118 ±0.0084	-0.0160 ±0.0090	-0.39	-0.35	0.58	--	--	--	--	--	--
<i>Jade et al.</i> [2004]	Himalayas	ITRF97	-0.0041 ±0.0051	-0.0088 ±0.0174	-0.0286 ±0.0162	0.32	0.27	0.82	--	--	--	--	--	--
<i>Jansma et al.</i> [2005]	Puerto Rico	ITRF2000	0.0402 ±0.1415	-0.0590 ±0.3170	0.0382 ±0.1137	-1.00	0.99	-0.99	--	--	--	--	--	--
<i>Jouanne et al.</i> [2004]	Himalayas	Eurasia	-0.0891 ±0.0045	-0.1067 ±0.0368	0.1642 ±0.0619	-0.08	-0.05	-0.93	-3.6837 ±8.2987	3.7358 ±3.3303	9.3586 ±5.2246	-0.15	-0.07	-0.80
<i>Kato et al.</i> [1998] ³	Western Pacific	TSKB	-0.0003 ±0.0115	-0.1447 ±0.0130	0.0944 ±0.0131	-0.95	-0.93	0.93	--	--	--	--	--	--
<i>Kato et al.</i> [2003] ²	Marianas	Eurasia	-6.2787 ±0.4602	4.2777 ±0.3204	1.3169 ±0.1490	-1.00	-0.99	0.99	--	--	--	--	--	--
<i>Kendrick et al.</i> [2001]	Nazca plate	South America	-0.0552 ±0.0133	-0.0843 ±0.0161	-0.0440 ±0.0085	-0.86	-0.54	0.57	--	--	--	--	--	--
<i>Kendrick et al.</i> [2003]	Central Andes	South America	-0.0578 ±0.0067	-0.0796 ±0.0182	-0.0381 ±0.0287	0.62	0.13	-0.42	-1.3142 ±3.0941	0.3508 ±2.1958	0.4234 ±3.0775	0.68	0.23	-0.22
<i>Klotz et al.</i> [2001]	Southern Andes	South America	-0.0547 ±0.0124	-0.0754 ±0.0187	-0.0432 ±0.0119	-0.77	-0.60	0.69	--	--	--	--	--	--
<i>Kotzev et al.</i> [2006]	Bulgaria/Macedonia	Eurasia	-0.0258 ±0.0031	-0.1365 ±0.0016	0.2153 ±0.0041	0.43	0.90	0.48	--	--	--	--	--	--
<i>Kreemer et al.</i> [2006] ⁶	Basin and Range	SNARF ⁹	0.0214 ±0.0072	-0.1707 ±0.0190	-0.0398 ±0.0157	0.90	-0.87	-0.94	--	--	--	--	--	--
<i>Mahmoud et al.</i> [2005]	Middle East	Nubia	-0.1310 ±0.1022	-0.2613 ±0.0712	0.0769 ±0.0786	1.00	1.00	1.00	--	--	--	--	--	--
<i>LaFemina et al.</i> [2005] ²	Iceland	ITRF97	0.2961 ±0.1041	-0.1366 ±0.0395	0.6723 ±0.2297	-1.00	1.00	-1.00	--	--	--	--	--	--
<i>Márquez-Azúa and DeMets</i> [2003]	Mexico	ITRF2000	-0.0001 ±0.0016	0.0070 ±0.0035	-0.0051 ±0.0038	0.01	0.00	-0.69	--	--	--	--	--	--
<i>Mazzotti et al.</i> [2003a]	Pacific Northwest	ITRF2000	0.0004 ±0.0256	0.0124 ±0.0442	0.0014 ±0.0600	0.99	-0.99	-1.00	--	--	--	--	--	--

Auxiliary Table (continued)

<i>Mazzotti et al.</i> [2003b]	Q. Charlotte Fault	ITRF2000	0.0088 ±0.0203	0.0153 ±0.0286	-0.0217 ±0.0436	0.95	-0.96	-0.98	--	--	--	--	--	--
<i>McCaffrey et al.</i> [2000]	Oregon	North America	0.0433 ±0.0299	-0.1557 ±0.0472	-0.0596 ±0.0556	0.99	-0.99	-1.00	--	--	--	--	--	--
<i>McClusky et al.</i> [2000]	Greece-Turkey	Eurasia	-0.0989 ±0.0059	-0.1761 ±0.0480	0.2601 ±0.0315	-0.33	-0.74	-0.27	6.8260 ±4.7868	-9.9221 ±6.0696	2.1586 ±3.7220	-0.08	-0.65	-0.60
<i>McClusky et al.</i> [2001]	Southern California	North America	0.0813 ±0.0653	-0.0559 ±0.1253	-0.1494 ±0.1026	1.00	-1.00	-1.00	--	--	--	--	--	--
<i>Meade et al.</i> [2002]	Northwest Turkey	Eurasia	-0.0386 ±0.0880	-0.1277 ±0.0487	0.2042 ±0.0853	1.00	1.00	1.00	--	--	--	--	--	--
NASA Goddard Space Flight Center VLBI [2004] ⁷	Global	NUVEL 1A-NNR	0.0115 ±0.0014	-0.0015 ±0.0017	0.0109 ±0.0019	-0.10	0.27	-0.20	--	--	--	--	--	--
<i>Nocquet and Calais</i> [2004]	Western Europe	Eurasia	-0.0275 ±0.0043	-0.1373 ±0.0013	0.2127 ±0.0048	0.57	0.97	0.59	--	--	--	--	--	--
<i>Norabuana et al.</i> [2004] ²	Costa Rica	ITRF97	-0.1069 ±0.0377	0.3021 ±0.3447	0.0046 ±0.0622	-0.98	0.96	-0.98	--	--	--	--	--	--
<i>Paul et al.</i> [2001]	India	India	0.3250 ±0.0098	-0.0237 ±0.0277	0.3927 ±0.0187	0.59	0.51	0.80	--	--	--	--	--	--
<i>Pérez et al.</i> [2001] ²	Venezuela	CANO	-0.0863 ±0.0365	-0.0036 ±0.0767	-0.0694 ±0.0166	-0.99	0.91	-0.92	--	--	--	--	--	--
<i>Poland et al.</i> [2006]	Northern California	North America	0.0353 ±0.1864	-0.1696 ±0.3043	-0.0509 ±0.3167	1.00	-1.00	-1.00	--	--	--	--	--	--
<i>Reigber et al.</i> [2001]	Tien Shan	Eurasia	-0.0252 ±0.0049	-0.1353 ±0.0031	0.2141 ±0.0069	0.38	0.81	0.44	--	--	--	--	--	--
<i>Ruegg et al.</i> [2002]	Chile	ITRF97	-0.0044 ±0.0070	-0.0174 ±0.0105	-0.0018 ±0.0073	-0.63	-0.37	0.48	--	--	--	--	--	--
<i>Sagiya et al.</i> [2000]	Japan	93002	0.0597 ±0.1274	-0.2130 ±0.1103	0.0390 ±0.1228	-0.99	-0.99	0.99	--	--	--	--	--	--
<i>Sauber et al.</i> [1997]	Alaska	FAIR	0.7761 ±0.2787	0.2484 ±0.1808	1.8500 ±0.6998	1.00	-1.00	-1.00	--	--	--	--	--	--
<i>Savage et al.</i> [1999] ²	Kodiak Isl. (Alaska)	North America	0.1807 ±0.2911	-0.0861 ±0.1448	-0.2666 ±0.5153	1.00	-1.00	-1.00	--	--	--	--	--	--
<i>Serpelloni et al.</i> [2005]	Italy and Environs	ITRF2000	0.0085 ±0.0043	0.0028 ±0.0018	0.0081 ±0.0049	0.52	0.93	0.54	--	--	--	--	--	--
<i>Shen et al.</i> [2000]	North East China	NNR	0.0008 ±0.0047	0.0234 ±0.0087	0.0145 ±0.0085	-0.38	-0.35	0.67	--	--	--	--	--	--
<i>Shen et al.</i> [2001]	Northwest Tibet	ITRF97	-0.0580 ±0.0027	0.0042 ±0.0136	-0.0099 ±0.0085	-0.11	-0.24	-0.73	0.9155 ±1.8140	-3.3580 ±1.5381	3.9133 ±0.9283	-0.28	-0.06	-0.76
<i>Shen et al.</i> [2003]	Southern California	North America	0.0217 ±0.0020	-0.1904 ±0.0047	-0.0193 ±0.0047	0.17	-0.16	-0.76	--	--	--	--	--	--
<i>Shen et al.</i> [2005]	South East Tibet	Eurasia	-0.0469 ±0.0176	-0.1030 ±0.0472	0.2225 ±0.0275	-0.89	-0.86	0.94	--	--	--	--	--	--
<i>Smalley et al.</i> [2003]	Tierra del Fuego	South America	-0.0567 ±0.0036	-0.0790 ±0.0044	-0.0430 ±0.0036	-0.70	-0.37	0.42	--	--	--	--	--	--
<i>Socquet et al.</i> [2006]	South East Asia	ITRF2000	-0.0024 ±0.0031	0.0023 ±0.0039	-0.0031 ±0.0038	-0.14	0.13	-0.04	--	--	--	--	--	--
<i>Steblov et al.</i> [2003]	East Siberia	ITRF2000	0.0007 ±0.0016	-0.0004 ±0.0026	-0.0033 ±0.0024	-0.11	0.20	-0.08	0.3305 ±0.3010	0.2110 ±0.2656	-0.2383 ±0.2401	0.00	0.20	-0.60

Auxiliary Table (continued)

<i>Svarc et al.</i> [2002a]	Oregon	North America	0.1030 ±0.0337	-0.0294 ±0.0510	-0.2182 ±0.0609	1.00	-1.00	-1.00	--	--	--	--	--	--
<i>Tatar et al.</i> [2002] ²	Zagros Mtns., Iran	Eurasia	-0.2025 ±0.1862	-0.3521 ±0.2289	0.1100 ±0.1493	1.00	1.00	1.00	--	--	--	--	--	--
<i>Tregoning et al.</i> [1998a]	Papua N. Guinea	ITRF94	-0.0055 ±0.0024	0.0037 ±0.0024	-0.0202 ±0.0035	-0.18	0.33	-0.18	--	--	--	--	--	--
<i>Tregoning et al.</i> [1998b] ²	Solomon Islands	ITRF94	1.6237 ±1.0942	-0.5645 ±0.3989	0.4490 ±0.2185	-1.00	0.99	-0.99	--	--	--	--	--	--
<i>Tregoning et al.</i> [2002]	Pacific Plate	ITRF97	-0.0053 ±0.0051	-0.0230 ±0.0143	-0.0014 ±0.0158	0.54	-0.42	-0.05	1.0177 ±1.2974	2.2961 ±1.7776	-0.5199 ±1.5565	0.53	-0.32	-0.01
<i>Tregoning et al.</i> [2003]	Australian plate	Australia	0.3903 ±0.0047	0.3326 ±0.0053	0.3584 ±0.0271	0.61	-0.42	0.34	1.2974 ±2.7165	3.9231 ±3.0296	0.2739 ±3.0916	0.55	-0.36	0.46
<i>Trenkamp et al.</i> [2002] ³	Northern Andes	ITRF2000	0.0089 ±0.0020	0.0017 ±0.0028	-0.0077 ±0.0027	-0.12	-0.03	-0.23	--	--	--	--	--	--
USGS ⁸	Basin and Range	SNARF ⁹	0.0182 ±0.0199	-0.1947 ±0.0350	0.0171 ±0.0339	0.99	-0.99	-1.00	--	--	--	--	--	--
<i>Van der Hoeven et al.</i> [2005]	South Car- pathians	ITF2000	-0.0016 ±0.0068	0.0001 ±0.0029	-0.0042 ±0.0077	0.67	0.94	0.69	--	--	--	--	--	--
<i>Vernant et al.</i> [2004a]	Iran	Eurasia	-0.0319 ±0.0041	-0.1366 ±0.0029	0.2083 ±0.0059	0.48	0.82	0.52	--	--	--	--	--	--
<i>Vernant et al.</i> [2004b]	Iran	Eurasia	-0.0286 ±0.0048	-0.1376 ±0.0026	0.2111 ±0.0070	0.34	0.86	0.39	--	--	--	--	--	--
<i>Vigny et al.</i> [2006]	Afar Rift & Arabia	ITRF2000	0.0021 ±0.0024	0.0036 ±0.0058	0.0160 ±0.0066	-0.33	-0.35	-0.27	-0.8518 ±0.5751	-1.4391 ±0.6577	-0.8176 ±0.6590	-0.44	-0.31	-0.16
<i>Wallace et al.</i> [2004a]	Papua N. Guinea	ITRF2000	-0.0010 ±0.0055	-0.0101 ±0.0050	-0.0038 ±0.0050	-0.51	0.43	-0.39	--	--	--	--	--	--
<i>Wallace et al.</i> [2004b]	Altyn Tagh Fault	TERR	0.0547 ±0.0081	0.3754 ±0.4508	0.6248 ±0.3583	-0.35	-0.35	1.00	--	--	--	--	--	--
<i>Wang et al.</i> [2001]	Tibet	Eurasia	-0.0381 ±0.0036	-0.1530 ±0.0059	0.1948 ±0.0057	-0.44	-0.39	0.65	--	--	--	--	--	--
<i>Weber et al.</i> [2001]	Caribbean	ITRF97	0.0019 ±0.0108	-0.0051 ±0.0140	-0.0010 ±0.0082	-0.83	0.09	-0.11	--	--	--	--	--	--
<i>Williams et al.</i> [2006]	Northern California	North America	0.0237 ±0.0031	-0.1687 ±0.0083	-0.0360 ±0.0091	0.48	-0.45	-0.81	--	--	--	--	--	--
<i>Yoshioka et al.</i> [2004] ²	Mexico	MDO1	0.0708 ±0.0159	-0.0405 ±0.0686	-0.1023 ±0.0383	0.89	-0.88	-0.97	--	--	--	--	--	--
<i>Yu et al.</i> [1997]	Taiwan	S01R	0.3835 ±0.1996	-0.9342 ±0.3314	-0.1588 ±0.1682	-1.00	-1.00	-1.00	--	--	--	--	--	--
<i>Yu et al.</i> [1999]	Taiwan & Luzon	Eurasia	-0.0351 ±0.0097	-0.1124 ±0.0150	0.1459 ±0.0142	-0.79	-0.68	0.75	--	--	--	--	--	--
<i>Zhang et al.</i> [2004]	Tibet	Eurasia	-0.0433 ±0.0066	-0.0969 ±0.0365	0.2267 ±0.0233	-0.47	-0.45	0.93	--	--	--	--	--	--

ω_x , ω_y , and ω_z are the Cartesian components of the rotation vector ($^{\circ}$ Myr⁻¹), and X_x , X_y , and X_z are the Cartesian components of the translation rate vector (mm yr⁻¹), where x is the vector direction of 0°N, 0°E, y is the vector direction of 0°N, 90°E, and z is the vector direction of the geographic north pole; $\rho(x, y)$ is the correlation coefficient between x and y directions; $\rho(x, z)$ is the correlation coefficient between x and z directions, and $\rho(y, z)$ is the correlation coefficient between y and z directions.

¹ Original reference frame used by study. Can be a tectonic plate, geodetic site, or ITRF.

² These studies do not have a sufficient number of collocated sites with the other solutions and a Helmert transformation can therefore not be determined. Instead these studies are rotated into the common frame in the process of minimizing the misfit between the velocities of these studies and model velocities.

³ This is a newer solution than presented in the original publication.

⁴ Includes velocity estimates presented by [Zellmer and Taylor, 2001]

⁵ Eastern Basin and Range and Yellowstone solution provided by R.B. Smith : http://www.mines.utah.edu/~ggcmpsem/UUSATR/GPS/vel_gmt.txt

⁶ Includes velocities for the BARGEN network (2000-2006) and the MAGNET network [Blewitt et al., 2006].

⁷ NASA Goddard Space Flight Center VLBI Group, Solution 2004en.

⁸ Solution provided by W.C. Hammond of all USGS velocities in the Basin and Range, which includes [Hammond and Thatcher, 2004; Hammond and Thatcher, 2005; Hammond, et al., 2004; Svarc, et al., 2002b]

⁹ Stable North American Reference Frame [Blewitt, et al., 2005]

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