

Table 1. Common sites in SOPAC and SCEC datasets that were used to calculate the three parameter transformation in order to rotate SOPAC data into the North America Fixed Reference Frame used by SCEC. The table contains the differences of the SOPAC vectors after the transformation and the SCEC vectors and relative errors. The average residual for the north component is $(0.6 \pm 0.98)mm/yr$ with $rms = 0.78mm/yr$. For the east component the average residual is $(0.73 \pm 0.96)mm/yr$ with $rms = 0.87mm/yr$.

Site	Lon [° E]	Lat [° N]	Res _N [mm/yr]	σ_N [mm/yr]	Res _E [mm/yr]	σ_E [mm/yr]
ALGO	-78.07	45.96	0.24	0.45	1.05	0.46
AOA1	-118.83	34.16	-0.08	0.89	-0.66	0.86
AVRY	-117.15	34.47	0.28	1.03	0.65	1.01
AZU1	-117.90	34.13	0.11	0.93	-1.20	0.90
BKMS	-118.09	33.96	-0.25	1.01	-0.95	0.99
BLYT	-114.71	33.61	-0.33	0.81	0.61	0.80
BRAN	-118.28	34.18	-0.62	0.89	-0.48	0.86
CAT1	-118.48	33.45	0.50	0.91	-0.34	0.88
CBHS	-118.63	34.14	-0.36	1.08	-0.04	1.06
CCCS	-117.86	33.86	-1.48	1.07	0.76	1.04
CHIL	-118.03	34.33	0.38	0.88	-0.66	0.84
CHMS	-117.83	34.64	0.40	1.15	-1.55	1.13
CHUR	-94.09	58.76	0.81	0.56	-0.17	0.57
CIC1	-116.67	31.87	-0.82	1.08	0.09	1.07
CIT1	-118.13	34.14	-0.11	0.87	-1.27	0.84
CLAR	-117.71	34.11	0.17	0.89	0.63	0.86
CMP9	-118.41	34.35	0.46	0.90	-1.12	0.87
CRFP	-117.10	34.04	-0.09	0.86	-1.07	0.83
CRHS	-118.27	33.82	0.21	1.14	1.25	1.12
CRRS	-115.73	33.07	-1.17	1.03	-0.27	1.02
CSDH	-118.26	33.86	-0.99	1.02	0.69	0.99
CSN1	-118.52	34.25	-1.18	0.93	-0.68	0.90
DHLG	-115.79	33.39	0.07	0.88	0.09	0.86
DSHS	-118.35	34.02	0.70	1.11	0.97	1.09
DVPB	-117.86	34.41	-0.26	1.14	-1.31	1.11
DYHS	-118.13	33.94	-0.06	1.01	-0.98	0.99
ECCO	-118.33	33.89	-0.18	1.12	0.15	1.09
ELSC	-118.21	34.03	-1.40	1.13	-1.39	1.11
FHFF	-118.61	34.51	0.94	1.19	1.01	1.17
FVPK	-117.94	33.66	0.95	1.02	1.44	0.99
FXHS	-118.36	34.08	-1.79	1.13	0.26	1.10
FZHS	-118.89	34.80	0.19	1.03	-0.05	1.01
GODE	-76.83	39.02	-0.05	0.52	1.01	0.53
GOL2	-116.89	35.43	-1.36	0.80	-0.89	0.77
GOLD	-116.89	35.43	-0.92	1.42	0.34	1.54
HARV	-120.68	34.47	-1.77	0.90	-0.65	0.85
HOLC	-117.85	34.46	0.30	0.88	0.15	0.85
ISLK	-118.47	35.66	-1.10	1.14	-0.86	1.11
KELY	-50.94	66.99	0.38	0.65	1.90	0.65
LAPC	-118.57	34.18	-0.54	1.15	0.47	1.13
LEEP	-118.32	34.13	-0.02	0.89	-0.35	0.86
LFRS	-118.41	34.10	-0.30	1.11	-1.41	1.08
LINJ	-118.14	34.66	0.52	0.97	0.25	0.95
LLAS	-117.84	34.59	-0.02	1.12	-1.58	1.10
LONG	-118.00	34.11	0.38	0.90	-0.78	0.87
LORS	-117.75	34.13	0.01	1.12	0.02	1.10
LVMS	-119.10	34.73	-0.95	1.17	-0.27	1.14
MDO1	-104.02	30.68	-0.54	0.62	0.56	0.64

Site	Lon [° E]	Lat [° N]	Res _N [mm/yr]	σ_N [mm/yr]	Res _E [mm/yr]	σ_E [mm/yr]
MLFP	-117.32	33.92	0.42	1.05	0.41	1.02
MONP	-116.42	32.89	0.04	0.81	0.14	0.79
MPWD	-118.88	34.30	-0.54	1.13	-0.45	1.11
MVFD	-116.53	33.21	0.75	1.10	0.82	1.08
NLIB	-91.57	41.77	0.08	0.49	1.23	0.51
NOPK	-118.35	33.98	0.06	1.16	-0.53	1.14
OAT2	-118.60	34.33	-1.31	0.84	0.37	0.81
OVLS	-119.14	34.33	0.29	1.14	-0.10	1.12
OXYC	-118.21	34.13	-0.35	1.17	-0.53	1.15
PHLB	-117.69	34.93	0.35	1.20	-1.19	1.18
PIE1	-108.12	34.30	-1.37	0.61	1.14	0.61
PIN1	-116.46	33.61	0.91	1.03	-0.19	1.05
PIN2	-116.46	33.61	0.66	1.08	-0.99	1.11
PMHS	-118.15	33.90	0.05	1.01	0.67	0.99
PMOB	-116.86	33.36	-0.16	1.02	0.16	1.00
PPBF	-117.18	33.84	-0.63	1.04	0.58	1.02
PVHS	-118.37	33.78	-0.77	1.14	0.89	1.12
PVRS	-118.32	33.77	-0.18	1.12	-0.96	1.08
QHTP	-118.24	34.63	-0.42	1.17	-1.44	1.15
RHCL	-118.03	34.02	0.38	1.09	0.62	1.07
ROCH	-116.61	33.61	0.08	1.55	0.19	1.61
ROCK	-118.68	34.24	1.00	0.91	-0.85	0.88
RSTP	-118.19	34.88	-0.36	1.14	-0.73	1.11
RTHS	-117.35	34.09	-0.82	0.99	-0.96	0.96
RYAN	-116.65	36.32	-1.21	1.03	-0.01	1.02
SCIA	-117.39	34.61	1.33	1.04	-2.20	1.02
SCIP	-118.49	32.91	-0.29	0.99	0.02	0.97
SGHS	-118.11	34.09	-0.25	1.21	1.62	1.19
SIO3	-117.25	32.86	-0.53	0.76	-0.07	0.73
SNHS	-117.93	33.93	0.17	1.11	-0.48	1.09
SNII	-119.52	33.25	-0.22	0.94	-0.29	0.91
SPK1	-118.65	34.06	0.16	0.90	-0.19	0.87
SPMS	-117.85	33.99	1.11	1.01	0.47	0.99
SPMX	-115.47	31.05	0.32	1.05	0.85	1.04
STJO	-52.68	47.60	-0.92	0.62	1.14	0.62
TABL	-117.68	34.38	-0.22	0.89	-0.98	0.86
TORP	-118.33	33.80	0.57	0.94	-0.18	0.91
TOST	-118.84	34.25	-1.66	1.13	-0.63	1.10
TRAK	-117.80	33.62	0.21	0.88	1.17	0.85
TROY	-116.53	34.84	-1.58	1.04	1.21	1.01
UCLP	-118.44	34.07	0.43	0.89	-0.12	0.86
USC1	-118.29	34.02	1.47	0.88	-1.20	0.85
USGC	-116.09	33.03	-0.69	1.12	1.22	1.10
VNCX	-118.48	34.29	-1.78	1.08	-0.46	1.06
VNDP	-120.62	34.56	-0.52	0.89	0.30	0.84
VNPS	-118.12	34.50	-0.29	1.15	-1.31	1.12
VTIS	-118.29	33.71	-0.05	1.05	-0.16	1.02
VYAS	-117.99	34.03	2.23	1.01	1.40	0.99
WES2	-71.49	42.61	-0.15	0.49	0.54	0.50
WKPK	-118.74	34.57	-0.55	1.07	-1.57	1.05
WRHS	-118.43	33.96	-0.74	1.18	0.04	1.16
YELL	-114.48	62.48	1.64	0.58	-1.02	0.59