

Table S1: GPS site locations (“Longitude, Latitude”), velocities (“Ve, Vn”) and associated uncertainties (“Se, Sn”) in the horizontal (“east and north”) component, the correlations (“Rho”) and names (“Site”) for time period 1 (1992.0-2004.8). The units of Ve, Vn, Se, Sn are all mm/yr.

Longitude	Latitude	Ve	Vn	Se	Sn	Rho	Site
210.8677	61.5982	-9.95	-5.89	0.60	0.67	0.000	ATWC
206.6461	59.3703	-6.58	-5.80	0.50	0.59	0.000	AUGL
213.3530	60.2375	-15.25	25.05	0.81	0.72	0.000	CHI1
213.3534	60.2375	-15.89	33.06	0.45	0.55	0.000	CHI3
213.3535	60.2377	-16.00	41.45	0.57	0.60	0.000	CHI4
210.1551	61.1658	-15.19	7.50	0.50	0.58	0.000	CMJV
207.8066	57.6177	-12.76	22.80	0.43	0.54	0.000	KDK1
208.6498	60.6751	-4.47	-0.89	0.43	0.54	0.000	KEN1
207.4986	57.7351	-9.96	16.10	0.48	0.57	0.000	KODK
213.3032	61.0563	-16.04	26.38	0.45	0.55	0.000	POT3
208.2933	59.4457	-5.80	-1.80	0.53	0.60	0.000	SELD
210.2198	61.2292	-12.90	18.57	0.78	0.80	0.000	ZAN1
210.2224	61.1601	-15.70	10.84	1.32	0.93	0.000	1000
209.4486	59.5249	-11.28	14.16	2.06	1.52	0.000	2201
210.4571	61.5712	-18.71	5.01	1.18	0.96	0.000	4A1A
205.8254	56.9411	-10.85	21.62	1.08	0.90	0.000	AHKI
210.9361	60.8931	-14.04	19.84	1.30	0.93	0.000	ALAS
212.7456	60.8841	-21.03	37.13	0.89	0.81	0.000	ANCR
208.3234	59.6737	-4.40	2.17	2.54	2.78	0.000	B86
209.7522	60.4554	-11.50	10.85	1.20	0.97	0.000	BEAR
204.8085	58.2811	-8.18	7.65	0.71	0.68	0.000	BKDM
208.7943	61.6830	-3.89	1.52	0.63	0.65	0.000	BLGA
210.9474	61.5459	-6.76	3.67	1.81	1.24	0.000	BODE
209.1481	59.7551	-8.43	7.08	0.63	0.63	0.000	BRAD
210.8152	60.8043	-12.56	21.40	0.59	0.63	0.000	C85G
207.8421	57.6187	1.04	17.93	3.45	1.98	0.000	CHIN
211.9871	60.0685	-23.78	53.26	0.63	0.65	0.000	CHNG
211.4632	61.7647	-13.65	16.39	4.11	2.98	0.000	CKLN
207.4938	57.6522	-11.99	16.34	1.86	1.35	0.000	CLAM
212.0529	61.0704	-21.61	36.77	2.02	1.49	0.000	COGH
210.2791	60.3830	-16.60	23.17	1.81	1.32	0.000	CPLK
210.2545	60.4894	-13.47	18.05	0.57	0.61	0.000	CPR
208.9700	60.4969	-6.79	-1.65	2.20	1.35	0.000	D79
210.5121	60.6540	-13.10	20.02	0.54	0.60	0.000	DAHL
205.3177	58.0880	-2.41	4.87	1.51	1.21	0.000	DAKA
208.7721	60.5879	-2.93	-5.78	0.78	0.72	0.000	DIAN
212.5536	60.7315	-20.74	42.73	1.05	0.93	0.000	DIXI
210.4713	61.2575	-15.34	8.83	0.56	0.60	0.000	EAGL
208.0873	59.3605	2.17	-2.65	3.40	2.42	0.000	EBAY
208.1618	60.4846	-3.23	-3.41	0.70	0.71	0.000	EKG3
210.6587	61.4628	-11.10	2.98	2.20	1.42	0.000	EKLU
211.0243	60.8185	-16.67	23.81	1.80	1.24	0.000	ENDI
211.9173	60.5959	-22.04	45.12	0.81	0.79	0.000	ENUN
210.7650	61.7168	-6.42	6.78	2.00	1.53	0.000	FSHK
210.1176	61.5247	-8.34	4.13	0.68	0.71	0.000	FSHL

211.6081	60.7067	-16.82	38.62	0.85	0.77	0.000	GAIN
210.7103	61.7283	-8.12	3.23	0.62	0.65	0.000	GOVP
210.4185	60.5644	-13.78	19.56	0.97	0.80	0.000	GRAV
208.6804	60.5796	-1.37	-1.79	0.77	0.72	0.000	H81
211.9086	61.0056	-21.00	31.98	0.78	0.71	0.000	HAM
207.7288	60.3903	-0.51	-5.72	1.43	1.18	0.000	HAR3
210.2807	61.1061	-12.90	9.74	1.17	0.88	0.000	HILS
208.5085	59.6390	-6.34	-1.73	0.51	0.57	0.000	HOMA
210.9521	60.8415	-16.05	23.33	1.00	0.83	0.000	INCK
210.4651	60.9831	-12.41	12.27	1.58	1.03	0.000	INDI
210.2544	61.0207	-13.57	8.66	1.22	0.83	0.000	ISLZ
210.3564	60.1830	-17.86	32.95	1.30	0.90	0.000	JANE
208.7587	60.5789	-0.43	-6.71	0.81	0.76	0.000	KIRT
206.1135	59.8957	-3.24	-6.08	1.92	1.44	0.000	KNUT
207.5027	57.7399	-13.35	15.47	0.56	0.58	0.000	KOD2
209.7841	60.5243	-10.63	11.27	1.05	0.80	0.000	M78
207.8039	57.6140	-7.91	27.04	3.98	1.85	0.000	MCGA
209.3464	60.0888	-9.97	9.71	1.06	0.89	0.000	MENA
210.9440	61.6756	-9.36	6.63	1.13	0.82	0.000	MOS2
212.0922	59.8248	-27.26	55.08	1.12	0.93	0.000	MOTG
209.5173	60.7352	-7.88	9.22	0.89	0.77	0.000	MPEN
210.9730	61.6292	-5.41	4.04	1.65	1.35	0.000	MSB2
209.2631	61.4734	-8.92	11.47	2.32	1.71	0.000	MSUN
208.5702	60.1877	-1.38	-1.05	0.71	0.68	0.000	N82
204.4094	58.6259	-5.50	-0.63	0.91	0.80	0.000	NARM
208.6008	60.6830	-1.40	-2.10	0.90	0.76	0.000	NIK
208.6085	60.6853	-1.93	-3.18	0.65	0.64	0.000	NIK2
208.2842	60.0085	-4.61	-4.01	0.76	0.70	0.000	NINI
204.8399	58.2653	-14.64	3.55	4.85	3.37	0.000	NOVR
210.5490	61.4209	-14.19	5.08	2.07	1.71	0.000	NWOD
210.1003	59.7484	-12.97	20.23	1.23	0.90	0.000	NWP
210.4529	60.5348	-12.87	21.68	2.13	1.58	0.000	P118
207.5422	57.4360	-15.17	28.58	2.24	1.14	0.000	PASA
210.8841	61.0282	-16.12	18.63	1.45	1.14	0.000	POOR
209.9359	60.4870	-14.60	16.29	1.33	1.09	0.000	POPL
209.9442	60.4850	-13.08	13.38	1.43	1.43	0.000	POPZ
210.5385	61.8883	-6.39	3.98	1.02	0.85	0.000	PRSP
211.1704	60.7712	-15.41	28.73	0.57	0.63	0.000	PRTG
211.9106	61.8046	-4.68	17.72	1.64	1.19	0.000	PURI
207.6963	60.6299	-4.61	-1.81	1.35	1.11	0.000	QRRY
210.6041	61.5424	-9.92	1.81	0.65	0.65	0.000	REED
210.5928	59.8652	-16.97	41.79	0.76	0.71	0.000	RGGI
212.0671	60.6537	-22.00	44.72	0.90	0.79	0.000	ROC
210.5582	61.5805	-5.88	-1.36	3.36	1.86	0.000	S1
210.1294	61.6443	-5.72	5.05	1.16	0.88	0.000	S103
209.2686	60.5297	-8.15	4.44	0.78	0.70	0.000	S79R
205.8641	56.5403	-15.03	31.63	0.80	0.72	0.000	SITK
207.3906	57.8023	-11.91	12.80	0.97	0.90	0.000	SKI
209.7042	60.3529	-12.36	13.93	1.48	1.18	0.000	SKLK
208.9478	60.4752	-2.12	3.13	1.14	0.95	0.000	SXQC
208.9583	60.4759	-8.51	0.15	2.21	1.63	0.000	SXQD
210.9425	61.6573	-8.60	10.82	2.52	1.56	0.000	T18N
210.5714	60.1192	-16.10	34.38	0.73	0.69	0.000	T19

210.7304	61.7729	-9.20	4.38	1.66	1.09	0.000	T20N
211.9098	60.3627	-22.92	50.25	0.67	0.67	0.000	THIN
210.5797	60.5015	-15.24	24.75	0.52	0.60	0.000	TRLK
210.4567	60.9305	-13.07	13.84	0.85	0.81	0.000	TURN
210.6293	60.4286	-18.37	33.17	4.95	3.59	0.000	U76
210.5576	60.0985	-13.60	33.71	0.55	0.59	0.000	UAMF
205.0391	58.4290	-5.39	1.44	0.83	0.70	0.000	UNAM
210.1881	60.4906	-16.93	21.58	2.50	1.90	0.000	V77
210.0472	61.1745	-9.08	8.02	1.24	0.87	0.000	VDUS
213.7488	61.1328	-17.35	30.23	4.10	2.52	0.000	VDZW
208.7560	60.3317	-1.92	-2.66	0.87	0.80	0.000	W81
208.2380	59.9019	-5.33	-5.59	1.69	1.22	0.000	W86
210.6098	59.9868	-15.03	40.27	1.42	1.15	0.000	WLKR
209.9476	61.7542	-3.30	2.02	1.26	0.94	0.000	Z22A
208.3807	60.0808	-4.72	-5.94	0.86	0.78	0.000	Z82