

Table S2: 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 2 (2004.8-2009.85). The units of Ve, Vn, Se, and Sn are all mm/yr.

Longitude	Latitude	Ve	Vn	Se	Sn	Rho	Site
205.3017	59.8993	-4.58	-1.98	0.52	0.60	0.000	AB22
205.8170	56.9506	-15.68	22.37	0.49	0.58	0.000	AC02
208.1355	59.7706	-9.54	2.19	0.68	0.75	0.000	AC03
209.1094	59.7636	-10.02	10.02	0.48	0.58	0.000	AC06
206.3553	58.9288	-8.21	5.99	0.70	0.74	0.000	AC08
212.0004	60.8487	-21.16	41.94	0.64	0.70	0.000	AC14
210.2760	60.4813	-15.60	24.86	0.48	0.58	0.000	AC15
211.9068	60.5182	-22.22	47.85	0.61	0.69	0.000	AC16
207.5961	60.6639	-5.04	-0.26	0.53	0.62	0.000	AC17
210.6475	60.9292	-17.84	24.34	0.47	0.57	0.000	AC20
209.1221	60.4751	-9.70	3.51	0.60	0.68	0.000	AC23
203.3472	58.6816	-7.12	1.17	0.52	0.61	0.000	AC24
205.8371	59.2525	-6.90	-0.99	0.46	0.56	0.000	AC27
209.2631	61.4731	-11.31	6.61	0.54	0.63	0.000	AC32
206.7208	57.2200	-17.96	22.14	0.52	0.61	0.000	AC34
209.2067	59.3758	-14.87	16.82	0.52	0.61	0.000	AC35
209.3916	60.9553	-11.46	1.33	0.74	0.80	0.000	AC36
206.1346	60.4397	-1.38	-1.83	0.68	0.73	0.000	AC37
206.6581	57.7537	-11.94	12.54	0.47	0.57	0.000	AC38
207.6059	58.6097	-7.41	5.06	0.51	0.60	0.000	AC39
210.3713	59.5213	-16.33	38.88	0.62	0.70	0.000	AC43
205.8190	56.5645	-16.35	29.43	0.52	0.61	0.000	AC45
208.4760	61.9863	-7.58	-0.06	0.52	0.61	0.000	AC46
207.3761	60.0814	-8.38	1.66	0.68	0.73	0.000	AC47
212.6570	60.6459	-21.65	44.94	0.63	0.70	0.000	AC48
208.1646	61.4981	-5.14	-2.17	0.64	0.71	0.000	AC51
209.9310	61.7690	-10.68	9.13	0.52	0.61	0.000	AC53
206.4148	59.5672	-7.10	-2.30	0.46	0.56	0.000	AC59
207.5746	57.7907	-13.94	21.45	0.52	0.61	0.000	AC67
206.5392	59.3585	-7.64	-1.52	0.52	0.61	0.000	AV01
206.5716	59.3330	-7.88	-1.60	0.52	0.61	0.000	AV02
206.5553	59.3626	-5.00	-2.99	0.54	0.62	0.000	AV04
206.6453	59.3706	-7.88	-1.35	0.53	0.62	0.000	AV11
206.4650	59.3859	-7.90	-1.30	0.53	0.62	0.000	AV16
206.5486	59.4040	-8.59	-1.31	0.54	0.62	0.000	AV17
206.5632	59.3804	-1.83	-0.41	0.53	0.62	0.000	AV18
206.5857	59.3549	-6.11	-3.98	0.54	0.62	0.000	AV19
206.5718	59.3474	-6.69	-2.59	0.55	0.62	0.000	AV20
210.1368	61.1557	-14.71	14.97	0.50	0.59	0.000	ACCU
210.0032	61.1824	-14.22	17.22	0.49	0.58	0.000	ANC1
210.8677	61.5977	-16.07	19.42	0.45	0.56	0.000	ATW2
213.3534	60.2375	-14.58	29.74	0.55	0.64	0.000	CHI3
213.3535	60.2377	-15.16	31.45	0.55	0.63	0.000	CHI4
213.3534	60.2375	-19.88	35.75	1.13	1.01	0.000	CHI5
207.8066	57.6177	-13.15	24.50	0.57	0.65	0.000	KDK1

207.8061	57.6176	-13.21	25.22	0.57	0.65	0.000	KDK2
208.6498	60.6751	-9.20	3.77	0.55	0.64	0.000	KEN1
208.6498	60.6748	-7.67	2.50	0.57	0.64	0.000	KEN2
208.6498	60.6751	-2.75	-0.45	0.65	0.71	0.000	KEN5
208.6498	60.6748	-3.62	0.30	0.69	0.73	0.000	KEN6
207.8066	57.6177	-13.79	26.43	0.60	0.68	0.000	KOD5
207.8061	57.6176	-12.86	27.26	0.61	0.68	0.000	KOD6
207.4986	57.7351	-10.62	22.05	6.36	4.11	0.000	KODK
213.3032	61.0563	-15.98	29.02	0.55	0.63	0.000	POT3
213.3026	61.0563	-15.39	28.36	0.55	0.63	0.000	POT4
213.3032	61.0563	-16.56	27.37	0.65	0.71	0.000	POT5
213.3026	61.0563	-16.67	27.70	0.65	0.71	0.000	POT6
208.2933	59.4457	-5.97	3.53	0.46	0.56	0.000	SELD
207.7908	61.2003	-6.36	-3.18	1.13	1.04	0.000	SPCR
210.2149	61.1797	-15.97	16.57	0.52	0.60	0.000	TBON
210.1050	61.1873	-14.05	15.79	0.47	0.56	0.000	TSEA
210.1759	61.1911	-14.24	17.61	0.47	0.57	0.000	UAAG
210.2198	61.2292	-14.72	16.71	0.47	0.56	0.000	ZAN1
213.6404	61.1272	-16.61	26.71	1.43	1.04	0.000	4240
209.7522	60.4554	-11.86	17.29	3.81	2.37	0.000	BEAR
211.4632	61.7647	-21.04	21.17	1.31	1.03	0.000	CKLN
210.2545	60.4894	-15.40	25.12	1.13	0.89	0.000	CPR
210.5121	60.6540	-16.17	27.69	0.92	0.81	0.000	DAHL
210.1176	61.5247	-12.82	13.65	0.79	0.74	0.000	FSHL
213.7080	60.6396	-11.64	32.27	1.15	0.88	0.000	GRIS
213.2963	60.7230	-16.30	30.32	0.57	0.62	0.000	GULL
208.5085	59.6390	-7.84	5.67	1.30	1.03	0.000	HOMA
210.2544	61.0207	-15.67	20.69	0.93	0.73	0.000	ISLZ
213.3229	60.9434	-16.95	28.75	0.91	0.84	0.000	MIST
210.9440	61.6756	-14.93	17.12	0.87	0.77	0.000	MOS2
209.5173	60.7352	-8.13	14.59	1.92	1.38	0.000	MPEN
213.9236	60.7450	-12.96	32.53	0.85	0.76	0.000	NATI
208.2842	60.0085	-7.75	2.73	0.69	0.68	0.000	NINI
211.9106	61.8046	-17.35	19.70	0.95	0.83	0.000	PURI
210.6041	61.5424	-15.69	18.26	0.67	0.66	0.000	REED
213.6420	60.4478	-15.78	28.55	1.11	0.93	0.000	RUB2
210.1294	61.6443	-16.19	12.25	0.89	0.79	0.000	S103
208.9478	60.4752	-5.47	9.30	1.08	0.92	0.000	SXQC
210.5797	60.5015	-16.53	28.48	1.26	1.03	0.000	TRLK
210.4567	60.9305	-15.03	18.52	0.68	0.69	0.000	TURN
210.5576	60.0985	-16.03	30.68	1.75	1.15	0.000	UAMF
210.6098	59.9868	-29.01	33.60	2.71	1.68	0.000	WLKR