

**Table 1. Observed velocities of GPS Stations used in this study (with respect to BLO1)**

**WABASH Campaign Sites (48)**

<b>Longitude</b>	<b>Latitude</b>	<b><math>V_e</math></b>	<b><math>V_n</math></b>	<b><math>\sigma_e</math></b>	<b><math>\sigma_n</math></b>	<b>Correlation</b>	<b>Station</b>	<b>Group</b>
273.232	38.192	0.04	-0.32	0.34	0.42	0.018	ADY1	WAB
272.275	38.603	-0.12	-0.14	0.31	0.39	0.015	AIRP	WAB
271.721	37.599	0.28	-0.05	0.29	0.37	0.01	BARN	WAB
271.391	37.336	0.04	0.11	0.43	0.51	0.014	BAY1	WAB
273.443	39.119	0.00	0.00	0.29	0.37	0.011	BLO1	WAB
271.828	38.201	-0.30	-0.88	0.31	0.39	0.009	BRN1	WAB
271.877	38.095	-0.02	0.21	0.31	0.39	0.014	CARP	WAB
271.998	39.304	0.29	-0.01	0.31	0.39	0.007	CASP	WAB
270.908	38.511	-0.08	0.22	0.32	0.40	0.011	CENP	WAB
274.103	39.253	0.21	0.32	0.31	0.38	0.012	COLU	WAB
273.131	38.851	0.14	-0.07	0.32	0.40	0.019	CRA1	WAB
272.211	36.915	0.25	-0.05	0.35	0.42	0.019	EDVL	WAB
271.065	38.005	0.14	-0.29	0.31	0.39	0.013	FAAI	WAB
271.547	38.665	0.04	-0.04	0.32	0.40	0.013	FLOR	WAB
272.089	38.486	-0.26	-0.20	0.32	0.40	0.014	GARD	WAB
273.289	37.919	0.13	-0.29	0.56	0.65	-0.01	GOSP	WAB
272.034	38.062	0.09	0.09	0.35	0.43	0.012	HARM	WAB
273.171	37.477	0.03	0.34	0.57	0.66	-0.004	HART	WAB
272.727	38.921	-0.34	0.71	0.49	0.59	-0.004	HAWT	WAB
270.196	38.731	-0.19	-0.46	0.34	0.43	0.011	JACO	WAB
272.503	37.353	0.86	0.25	0.32	0.40	0.011	KY02	WAB
273.890	38.067	0.37	-0.30	0.32	0.40	0.016	LAC1	WAB
270.330	39.167	0.20	0.04	0.31	0.39	0.009	LITP	WAB
273.185	36.798	0.47	-0.05	0.32	0.39	0.017	LOGA	WAB
271.333	38.130	-0.14	0.49	0.34	0.41	0.014	LOVI	WAB
271.415	36.765	0.27	0.10	0.32	0.39	0.016	MAYP	WAB
270.775	37.550	0.78	-1.62	0.82	0.91	0.019	MKND	WAB
272.842	37.226	-0.29	0.05	0.33	0.40	0.017	MUHL	WAB
273.749	37.280	-0.89	1.73	0.56	0.64	0.005	NOL1	WAB
271.826	38.722	0.61	0.25	0.31	0.39	0.009	OLNE	WAB
271.694	37.902	0.11	0.24	0.29	0.36	0.011	OMAH	WAB
271.992	38.222	0.09	0.22	0.32	0.40	0.013	OTB1	WAB
272.908	38.306	0.20	-0.06	0.36	0.44	0.023	PC64	WAB
270.639	37.977	-0.25	0.09	0.32	0.40	0.009	PINC	WAB
272.450	38.389	0.05	-0.55	0.34	0.42	0.013	PK65	WAB
272.354	39.016	0.22	0.12	0.31	0.39	0.01	ROBP	WAB
273.298	38.576	0.02	0.76	0.32	0.40	0.019	ROL1	WAB
273.822	38.676	0.71	0.04	0.32	0.39	0.016	RUSH	WAB
273.507	37.629	0.52	0.60	0.36	0.44	0.016	SAND	WAB
272.529	37.617	-1.05	-0.52	0.32	0.40	0.013	SEBR	WAB
270.300	38.147	0.31	-0.08	0.32	0.39	0.01	SPAR	WAB
272.044	37.546	0.30	-0.05	0.29	0.37	0.009	STUR	WAB
272.586	38.229	0.33	-0.42	0.41	0.46	0.004	T356	WAB
272.328	37.961	0.25	-0.71	0.41	0.46	0.029	USI1	WAB
270.834	38.990	0.26	0.37	0.33	0.40	0.013	VANP	WAB
273.087	38.494	0.50	0.66	0.36	0.44	0.021	W231	WAB
272.712	38.510	-0.44	-0.11	0.42	0.48	0.044	WHIO	WAB
271.913	37.246	-1.13	-0.02	0.37	0.45	0.013	Z405	WAB

**SHAWNEE Campaign Sites (19)**

Longitude	Latitude	Ve	Vn	$\sigma e$	$\sigma n$	Correlation	Station	Group
272.288	37.737	-0.06	-0.06	0.33	0.41	0.016	BESC	SHW
271.510	37.509	0.23	-0.41	0.52	0.63	0.014	CONC	SHW
271.303	37.193	0.33	-0.43	0.37	0.45	0.028	COPL	SHW
271.396	37.512	-1.41	0.20	0.88	0.98	-0.065	GPS4	SHW
271.290	37.424	1.88	0.04	0.64	0.73	0.046	GPS6	SHW
271.397	37.423	1.81	-0.16	0.49	0.59	0.004	GPS7	SHW
271.292	37.250	0.67	1.28	0.44	0.62	0.009	GURL	SHW
271.728	37.687	-1.57	1.98	0.50	0.60	0.026	HOPS	SHW
271.626	37.688	0.44	0.18	0.53	0.62	0.025	HORS	SHW
271.402	37.673	-0.16	1.11	0.40	0.48	0.029	LEDF	SHW
271.398	37.248	1.34	-0.31	0.51	0.61	0.015	MIDW	SHW
271.525	37.688	0.68	-0.48	0.50	0.60	0.029	PANK	SHW
271.619	37.519	1.32	-0.86	0.59	0.69	0.03	PARI	SHW
271.838	37.687	-0.10	0.35	0.37	0.45	0.015	PEAB	SHW
271.854	37.509	0.29	-0.05	0.37	0.45	0.015	POTT	SHW
271.621	37.427	-0.19	1.06	0.66	0.75	0.063	ROSI	SHW
271.287	37.342	0.31	0.68	0.44	0.53	0.014	STAF	SHW
271.500	37.247	0.84	0.23	0.40	0.48	0.035	STAZ	SHW
271.460	37.812	2.04	0.02	0.53	0.62	0.023	T145	SHW

**IGS North American sites (11)**

Longitude	Latitude	Ve	Vn	$\sigma e$	$\sigma n$	Correlation	Station	Group
281.929	45.956	0.17	-1.85	0.22	0.28	-0.014	ALGO	IGS
295.304	32.370	-0.45	-1.36	0.36	0.41	0.078	BRMU	IGS
272.836	37.746	-0.22	0.38	0.32	0.40	0.014	DAOW	IGS
240.375	49.323	0.95	-0.61	0.20	0.25	-0.022	DRAO	IGS
264.134	50.259	-0.23	-1.74	0.26	0.33	0.002	DUBO	IGS
283.173	39.022	0.39	-0.85	0.23	0.28	0.027	GODE	IGS
255.985	30.681	0.47	-0.71	0.19	0.23	-0.019	MDO1	IGS
268.425	41.772	0.22	-0.66	0.22	0.28	0	NLIB	IGS
251.881	34.302	0.05	-1.12	0.21	0.26	-0.004	PIE1	IGS
307.322	47.595	0.14	-0.69	0.11	0.12	-0.015	STJO	IGS
237.832	52.237	-0.68	-0.98	0.18	0.22	-0.037	WILL	IGS

**GAMA/CERI at NMSZ Stations (9)**

Longitude	Latitude	Ve	Vn	$\sigma e$	$\sigma n$	Correlation	Station	Group
270.356	35.541	0.47	-0.76	0.31	0.40	0.007	CVMS	GAM
270.643	36.847	-0.12	-0.24	0.31	0.40	0.008	MAIR	GAM
270.298	36.120	-0.17	-0.45	0.31	0.40	0.007	MCTY	GAM
270.542	36.417	-0.44	-0.33	0.35	0.45	0.008	NWCC	GAM
269.825	36.370	0.19	-1.88	0.45	0.40	0.006	PIGT	GAM
245.707	50.871	0.65	-2.61	0.28	0.36	0.011	PRDS	GAM
270.300	36.413	-0.40	-0.26	0.31	0.40	0.007	PTGV	GAM
270.655	36.474	0.09	-1.21	0.33	0.42	0.004	RLAP	GAM
270.142	36.089	0.12	-0.06	0.31	0.40	0.01	STLE	GAM

**CORS/NOAA Stations (4)**

Longitude	Latitude	Ve	Vn	$\sigma e$	$\sigma n$	Correlation	Station	Group
275.586	41.277	-0.63	-1.43	0.35	0.45	0.006	DEFI	COR
273.494	39.174	-0.88	0.94	0.30	0.39	0.006	IUCO	COR
275.717	39.431	1.17	-0.73	0.36	0.46	0.008	LEBA	COR
276.850	41.075	-0.44	-1.29	0.35	0.45	0.004	TIFF	COR