

Table S1: Horizontal GPS velocities with respect to the ITRF2008 (defined after Altamimi et al., 2012).

Site	Lon. (°)	Lat. (°)	Ve (mm/yr)	Vn (mm/yr)	σ Ve (mm/yr)	σ Vn (mm/yr)	Rho
ADEN	45.040	12.812	39.07	27.17	0.43	0.39	-0.006
ADER	38.119	15.655	24.44	17.29	0.33	0.32	-0.004
ADIK	39.325	14.883	25.05	15.94	0.39	0.37	-0.000
ASAB	42.654	13.063	40.01	28.01	0.24	0.24	0.000
BOTA	42.167	13.614	38.42	27.86	0.46	0.42	-0.039
DAHE	40.110	15.639	28.52	17.61	0.41	0.39	-0.007
DAHW	39.955	15.737	28.99	15.31	0.40	0.38	-0.008
DEBA	42.346	12.703	40.82	28.37	0.61	0.57	-0.017
DHMR	44.392	14.571	37.82	27.52	0.55	0.51	-0.017
EDIL	41.677	13.845	40.06	24.09	0.41	0.38	-0.002
EDTI	41.353	14.359	35.95	23.21	0.40	0.38	-0.011
GEDE	39.583	15.296	27.84	16.37	0.35	0.32	-0.007
GELA	40.088	15.114	30.74	16.66	0.36	0.34	0.002
GOOZ	41.383	19.042	34.34	26.95	0.39	0.37	-0.007
GURG	39.465	15.657	25.62	16.77	0.40	0.39	-0.009
HABR	38.715	15.638	24.49	16.66	0.33	0.32	0.005
HIRG	39.458	15.456	26.87	17.23	0.41	0.39	-0.006
JIZN	42.104	16.699	35.70	26.67	0.37	0.37	-0.001
JNAR	43.436	13.317	40.45	28.95	0.62	0.53	0.004
MAIA	39.255	15.578	25.36	16.25	0.33	0.32	-0.003
MAJR	41.829	19.096	34.38	27.20	0.38	0.37	-0.003
MAN2	42.184	12.416	40.46	26.49	0.38	0.36	-0.004
MASZ	39.379	15.652	25.84	16.72	0.41	0.40	-0.010
MAYN	38.776	15.233	24.85	16.73	0.42	0.40	-0.011
NAFA	38.504	16.670	24.10	17.46	0.44	0.40	-0.017
NAMA	42.045	19.211	34.43	27.59	0.21	0.21	0.004
PGMD	42.556	11.617	40.10	25.61	0.42	0.42	0.003
PTDJ	42.884	11.789	39.03	26.43	0.63	0.46	-0.002
RSB0	43.362	11.980	39.72	28.33	1.62	1.44	0.010
SANA	44.190	15.348	38.88	28.65	0.56	0.54	-0.027
SHEB	39.054	15.853	24.86	16.42	0.21	0.21	0.000
TIGE	40.477	14.891	31.91	19.18	0.41	0.39	-0.006
TIO1	40.961	14.615	34.38	20.86	0.37	0.35	-0.029