Supplementary Materials: A Comparative Study of the Applied Methods for Estimating Deflection of the Vertical in Terrestrial Geodetic Measurements

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Table S1. Measurements and derived values according to Section 2.1. The respective standard deviation is given in brackets.

Site	Baseline	Δh (m)	ΔH (m)	ΔN (m)	ΔS (m)	α (deg)
Medicina	S-N	0.7972 (1.2E−03)	0.8317 (3.0E−03)	−0.0345	1339.6 (1.0E−03)	356.51008 (4.3E−05)
	W-E	1.3632 (1.2E−03)	1.3753 (3.0E−03)	−0.0121	1485.5 (1.0E−03)	93.05774 (3.9E−05)
Noto	S-N	−18.9243 (1.1E−03)	−18.8410 (3.0E−03)	−0.0833	1192.7 (1.0E−03)	348.11478 (4.8E−05)
	W-E	0.6467 (1.0E−03)	0.7093 (3.0E−03)	−0.0626	919.4 (1.0E−03)	105.52558 (6.2E−05)

Table S2. Results of the adjustment of the individual sets of measurements obtained from QDaedalus.

Site	Pillar	Set	ξ (arcsec)	η (arcsec)	σ(ξ) (arcsec)	σ(η) (arcsec)	# obs.
Medicina	m1	1	−5.25	−1.77	0.16	0.21	462
		2	−4.73	−1.81	0.1	0.14	208
		3	−5.22	−2.23	0.09	0.12	316
		4	−4.96	−2.14	0.05	0.06	328
Noto	n1	1	−12.15	11.93	0.14	0.17	282
		2	−12.43	11.8	0.12	0.21	576
		3	−11.1	11.76	0.17	0.21	338
	n2	1	−12.81	12.09	0.11	0.13	224
		2	−13.67	11.65	0.12	0.14	252
		3	−13.44	10.6	0.13	0.17	234
	n3	1	−12.23	11.85	0.08	0.09	214
		2	−12.16	11.85	0.07	0.08	252
		3	−12.01	12	0.08	0.09	206
	n4	1	−12.47	12.52	0.08	0.09	256
		2	−12.24	11.91	0.07	0.08	188
		3	−12.06	12.16	0.07	0.07	290