

Absolute gravity measurements in Fennoscandia by the FGI in 2003

Measured absolute gravity stations:

Metsähovi AB	Separate pillar at Metsähovi research station, marker exists, GPS station, groundwater well, superconducting gravimeter $\varphi = 60.21722$ deg $\lambda = 24.39833$ deg $H = 55.00$ m
Metsähovi AC	Separate pillar at Metsähovi research station, marker exists, GPS station, groundwater observations, superconducting gravimeter $\varphi = 60.21722$ deg $\lambda = 24.39833$ deg $H = 55.00$ m
Vaasa AA	In cellar of school, marker exists $\varphi = 63.0847$ deg $\lambda = 21.6458$ deg $H = 3.00$ m
Vaasa AB	In cabin of permanent GPS station $\varphi = 62.9611$ deg $\lambda = 21.7706$ deg $H = 36.00$ m
Joensuu	In cabin of permanent GPS station $\varphi = 62.3912$ deg $\lambda = 30.0962$ deg $H = 93.46$ m

Observers: Jaakko Mäkinen and Mirjam Bilker

Measurement schedule:

Station	Date	Drops	Additional measurements	Remarks
Metsähovi AB	18.-19.08.03	2096	-	parallel registration with FG5-220, IfE
	10.-11.09.03	2561	-	problems with feedthrough
	14.-16.11.03	4782	-	-
	23.-24.11.03	1094	-	-
	24.-26.11.03	3489	-	-
Metsähovi AC	19.-21.08.03	3123	-	parallel registration with FG5-220, IfE
	02.-04.09.03	3847	-	-
Vaasa AA	24.-26.08.03	3316	vertical gradient	parallel registration with FG5-220, IfE
Vaasa AB	22.-24.08.03	3389	connection to 63° land uplift gravity line	parallel registration with FG5-220, IfE
Joensuu	29.-31.08.03	3439	vertical gradient connection to 63° land uplift gravity line	-

Absolute gravity measurements were made with the FG5-221

Relative gravity measurements were made with the relative gravimeters LCR-G600A (with feedback system) and LCR-G55