

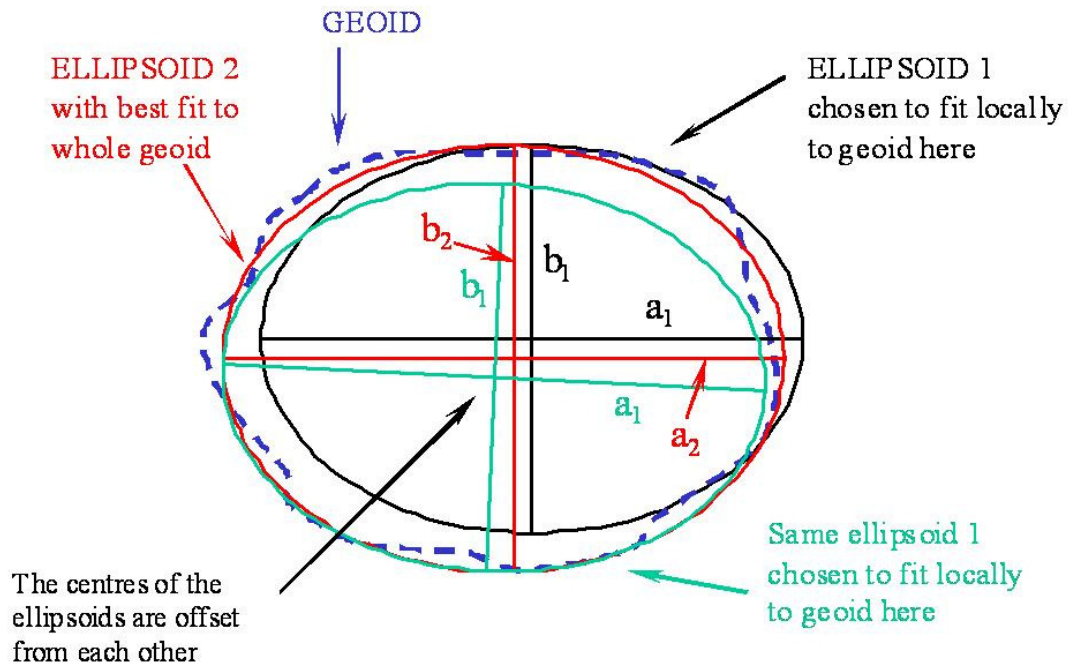
**DATUMS AND MAP PROJECTIONS**  
**SECOND EDITION, 2008 IMPRINT**

**Corrigenda**

(May 2010)

Cumulative list of all corrections to be applied to the 2008 imprint. The first version of this document was released in September 2009; the corrections given here for pages 27, 69 and 106 are additions since then.

Page	Section	Item	Correction
23	2.3.2.1	Fig 2.11	Replace with the following figure:



Page	Section	Item	Correction
27	2.3.2.4	Top of page 27	Replace 2.5mm per year with 2.5cm per year.
69	3.4.4	Table 3.9	Scale factor at origin $k_0$ for Romania Stereo70 is 0.99975, and not 0.9996.
86	3.7.2	Last sentence, reference to section 2.6	Replace with reference to section 2.5.2.
106	4.4.4	Equation 4.10	Replace with: $\Delta\varphi_P = \Delta\varphi_A + (\Delta\varphi_B - \Delta\varphi_A)m + (\Delta\varphi_C - \Delta\varphi_A)n$

Page	Section	Item	Correction
106	4.4.4	Equation 4.11	Replace by: $\Delta\lambda_F = \Delta\lambda_A + (\Delta\lambda_B - \Delta\lambda_A)m + (\Delta\lambda_C - \Delta\lambda_A)n +$
106	4.4.4	Equation 4.13	Replace with: $n = \frac{\varphi_F - \varphi_A}{\varphi_C - \varphi_A}$
119	4.5.6	Equation 4.48	Replace with: $\varepsilon = \frac{D}{2} \left( \frac{2 \sec \varphi_{MAX}}{\sec \varphi_{MAX} + \sec \varphi_{MIN}} - 1 \right)$
125	4.6.2	Equation 4.50 and explanatory notes to the bottom of page 125 (text up to and including "... the offset value respectively").	Replace by:  for the forward transformation: $X_2 = \{ [m * (X_1 * U_1)] + (\Delta A_{1>2} * U_A) \} / U_2$ for the reverse transformation: $X_1 = \{ m * [(X_2 * U_2) + (-\Delta A_{1>2} * U_A)] \} / U_1$ where $X_1$ and $X_2$ are heights or depths as appropriate and $\Delta A_{1>2}$ is the offset for the forward transformation from source system 1 to target system 2. $\Delta A_{1>2}$ is the value of the origin of the source system 1 in the target system 2 $m$ is a direction multiplier ( $m = 1$ if both systems are height or depth; $m = -1$ if one system is height and the other system is depth); and $U_1$ , $U_2$ , and $U_A$ are unit conversion ratios to metres for systems 1 and 2 and the offset value.
179	Appendix A	Comment against geoid-ellipsoid separation.	Replace with reference to section 2.3.4.2.
192	Appendix E	Equation E.39	Replace with:  $X_T = a_0 + a_1 X_S + a_2 Y_S$
192	Appendix E	Equation E.40	Replace with:

**Page Section Item**

**Correction**

$$Y_T = b_0 + b_1 X_S + b_2 Y_S$$