ERRATA in 'A Breviary for Seismic Tomography'

Page

xiii, footnote (and elsewhere) the CIG website has moved since publication of this book to `http://www.geodynamics.org/cig/software#seismo`

1, line 16: Massachussets $\to$ Massachusets

18, line 1: $e^{i\omega t}$ $\to$ $e^{-i\omega t}$

32, line 20: from a different source S_1 $\to$ from a different source S_2

34, line 7: source at the surface $\to$ sources at the surface

49, line 10: heterogeneity $\to$ homogeneity

61, line 13: (see Appendix) $\to$ (see Appendix B)

113, line 2: And again for $r\Delta$ $\to$ And again for 3Δ

123: The LHS of (7.4) should read:
$\gamma_{\mathrm{obs}} = \gamma(t) + \delta\gamma(t) =$

123/124: The derivation of (7.9) is marred by two sign errors that cancel. The $-$ sign in front of the last term in (7.8) should not be there. It propagates in the first two lines of (7.9) but the final expression in (7.9) is correct.

172, equation (9.28) has a rotation/ellipticity correction that does not conform to the usual definition of the constants a, b and c. It should read $H_{mm'} = \omega_k(a + bm + cm^2)\delta_{mm'} + \sum_{st}\gamma_s^{mm't}c_{st}$ to conform to the a, b and c given by Dahlen and Tromp.

180, after eq. (10.2): time domai $\to$ time domain

196, line 5: It seem $\to$ It seems

213, eq. (11.9) lacks a final ')' in the numerator: $... + \pi/4] \to ... + \pi/4])$

237, eq. (13.4): The value of flattening used here is not consistent with the value of 298.3 quoted
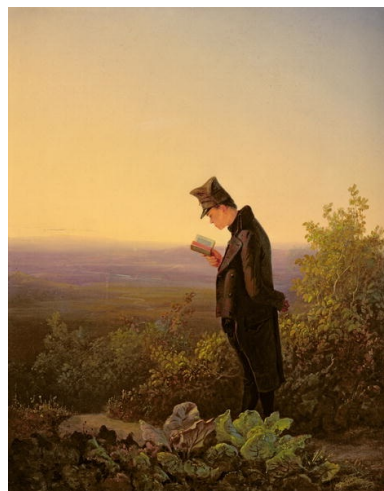
Karl Spitzweg (1808 – 1885): *reading the Breviary (Evening).* Louvre.

earlier. Replace (13.4) with:
$\cot\theta_{\mathrm{geocentric}} = 0.9933056\cot\theta_{\mathrm{geographic}}$

246, Figure legend: onto the unit slowness vector $\to$ onto the slowness vector

247, line 1: $\boldsymbol{p} = ... \to c_s\boldsymbol{p} = ...$

255, first equation: $\boldsymbol{A}_1\boldsymbol{m}_2 \to \boldsymbol{A}_1\boldsymbol{m}_1$

267, eq. (14.21) in the LHS, and 268, line 1: $P(\boldsymbol{d}|\boldsymbol{m})$ should be $P(\boldsymbol{d}^{\mathrm{obs}}|\boldsymbol{m})$; similarly, the data vector $\boldsymbol{d}$ in (14.23), (14.24) and (14.26) should be written as $\boldsymbol{d}^{\mathrm{obs}}$

268, line 3 from below: by scaling $\boldsymbol{C}_d^{-\frac{1}{2}} \to$ by scaling $\boldsymbol{C}_m^{-\frac{1}{2}}$

272, last equation: $\frac{1}{N_S^2} \to \frac{1}{N_S}$

299, line 5 below (16.10): remove '16.1' at the end of the sentence.

329, ref [338] : N.V. $\to$ N.J. Vlaar