This book was an early (pre-GPS) integration of information from multiple sensors. Modern estimation was the means, particularly with an essentially continuous process (primarily an inertial system with or without gimbals) updated by discrete observations. Although written before much GPS experience could have been available, the material remains quite useful as a source of fundamental information, basic derivations, subtle points, exercises, and practical implementation details. Its existence allowed those details to be merely cited rather than repeated in my second navigation book in 2007, which begins where this ended.
CORRECTIONS to INTEGRATED AIRCRAFT NAVIGATION – ALL PRINTINGS

Page 281: Two factors of two following Eq.(8-9) — roughly 6 fps ••• roughly 3 mr.

FIRST PRINTING (Orange cover) ONLY

Page 46 Eq. (2-51): On right side, replace square bracket [ by paren ( .
Page 48 In some copies the symbol $I_1$ in the middle of Eq. (2-66) has a broken-letter appearance.
Page 75 Replace (Exs. 3.14-3.16) by (Exs. 3-14 - 3-16).
Page 83, Text following Eq. (3-60) — ••• correct for small near-uniform •••
Page 94, Ex. (3-29) delete the line beginning "with a derivative ••• " and the sentence "Since initial ••• considered?"
Page 114 In some copies the "4" in "Reference 4-3" (3rd last line) has a broken-letter appearance.
Page 158 Text preceding Eq. (5-9): ••• zero-mean random vectors $e$ and •••
Page 163 Replace equation marker (5.39) with (5-39)
Page 168 Font for the first "t" in the lower limit of the integral should match the upper limit's font.
Page 212 Eq. (6-17): Multiply the $\{ -2 (g/s^3) h \} \text{ term by the unit vector } I_3$. 
Page 226 Eq. (6-63): Delete the dot over the first $n$ (representing gyro drift), multiplied by gravity $g$, on the right side. Minus before $g$ on right.
Page 251 Eq. (7-48): Put slash / before left paren; the parenthetical expression is a denominator.
Page 264, 2nd-last para: Image degradation is then quantified by using a sine in Eq. (7-73) followed by a two-term expansion of the cosine in its integral, and subsequent formulation of a quadratic phase shift.

Subsequent printings corrected these items (except for pages 46, 226, and 264), in addition to various minor imperfections in the INDEX. Later hard cover printings have different colors on the covers (e.g., red for the second, brown for the third, etc.). It is available now in paperback only.