Interferometry and Synthesis in Radio Astronomy,
Corrections to the first printing of the second edition (Wiley 2001).

p. xx, second paragraph, lines 13 and 15, add “Radio” (National Radio Astronomy Observatory).
p. 100, four lines below Eq. (4.24), x’ should be y’.
p. 108, Eq. (4.43), “sin” should be “tan” in two places.
p. 111, Eq. (4.55), delete angle brackets, ⟨ ⟩, and the terms within them.
pp. 118-119, the expression for $D_\chi$ two lines above Eq. (A4.5) is not consistent with the
definition of leakage used earlier, because of the factor $(1+|\epsilon|^2)^{1/2}$ in the denominator,
which should be deleted. For circular polarization (p. 119) Eq. (A4.12) then becomes
$D_r = \exp(j2\psi_r) \tan\Delta\chi_r \approx \exp(j2\psi_r)\Delta\chi_r$. In Eq. (A4.7), $\sin\phi$ should be $\sin\psi$.
p. 160, line 8, year of reference (Padin et al.) should be 2001.
p. 184, Eq. (6.35), $p(t)$ should be $p_0(t)$.
p. 188, Eq. (6.50), $\sqrt{\Delta\nu_{\rm IF}}$ should be in the denominator.
p. 230, last bullet, second line, should be $7 \times 10^{-6}$ K$^{-1}$.
p. 233, subsection Effects of Phase Errors, third line, replace “of” by “is”. Eq. (7.33), replace subscripts 1 and 2 by m and n. Eq. (7.34), replace “proportional” sign by “approximately equal”.
p. 242, second paragraph, the set of square waves described contains some pairs that are
not orthogonal. For a discussion of phase switching with square waves of this set see
ALMA Memos 385 and 391, available through the NRAO web site at
p. 243, fourth line below figure caption, orthogonal is misspelled.
p. 249, third line of Eq. (A7.1), change $(t+\Delta t)$ to $(t-\Delta t)$: fourth line of Eq. (A7.1), change $(t-\Delta t)$ to $(t+\Delta t)$.
p. 250, two lines above Eq. (A7.2), change “RF” to “optical frequency”. Line above Eq.
(A7.3), $\nu_m$ missing from expression at beginning of the line.
p. 259, Eq. (8.14), missing square root sign in the denominator: should be $\sqrt{(1+\rho^2)}$.
p. 252, First reference to Payne, 993-1071 should be 993-1017.
p. 263, end of line below Eq. 8.30, $\rho^2$ should be $p_0^2$, (i.e. subscript 2 missing).
p. 273, Eq. (8.60), second exponent (m-1) should be (m+1).
p. 317, Eq. (9.37), delete $f$ within the second set of brackets.
p. 417, two lines above Eq. (A10.7), should be $\theta = 0$ or 180°. On the right-hand side of
Eq. (A10.7), under the square-root sign, change $- to + in the numerator, and $+ to $- in the
denominator. The treatment is then consistent with positive velocity for recession and $\theta$
< 90° for a receding source.
p. 538, lines 6, 7, and 9 below Eq. (13.110), change approximately equal sign to
proportional sign, once in each line.
p. 547, second paragraph, last line, Pardo is misspelled.
p. 632, second paragraph, last line, add “$s$” (occultations).
p. 651, reference Cash et al., change 147 (volume number) to 407.
p. 668, Carlson, B. R., change 297 to 298.
p. 672, the name Prado should be Pardo.
p. 680, under Delta function, Shah function, change 392-293 to 392-393.
p. 681, Filters, spectral-line, change 220-297 to 290-297.