Errata for A. Griffin, T. Nikuni and E. Zaremba,
"Bose-condensed gases at finite temperatures" (Cambridge, 2009)

p.26. In line above (2.30), should be $\delta n_c(\mathbf{r}, t)$.

p.28. In section 2.2, the chemical potential μ should be interpreted as μ_{c0}.

p.29. In (2.47), should be $v^*(\mathbf{r})$.

p.33. In (3.1) and (3.2), $\eta(\mathbf{r})$ is from the symmetry breaking term in (1.7). It is left implicit in the rest of this chapter.

p.44. In (3.53), prefactor should be $1/\hbar^6$ and $\tilde{\mu}$ should be $\tilde{\mu}_0$.

p.48. Second paragraph, second line: should be $\frac{1}{2}mv_c^2(\mathbf{r}, t)$.

p.160. Before (8.41), reference should be to (8.36).

p.163. In last paragraph, the relaxation time τ_μ is defined in (15.72), not (15.36).

p.209. In (10.43), there is a missing term $2\langle v_x v_y\rangle_{\rm n}$ on the r.h.s. arising from the last term in (10.30). This uses $\langle \bar{P}_{xz}\rangle_{\rm n} = m\langle v_x v_y\rangle_{\rm n}$ from (10.35). In addition, (10.32) gives the additional equation

$$\frac{d}{dt}\langle v_x v_y\rangle_{\rm n} = -\omega_0^2\langle z v_x + x v_z\rangle_{\rm n} - \epsilon\omega_0^2\langle z v_x - x v_z\rangle_{\rm n},$$

where we neglect the effect of interactions (both mean fields and collisions).

p.250. In Fig. 11.5, the vertical axis label should be $n(r)a_{h0}^3$.

p.312. In (14.5), μ should be $\mu + \frac{1}{2}mv_{\rm s}^2$.

p.316. In (14.22), denominator should be $\rho_{\mathbf{n}0}$, not ρ_0.

p.318. In (14.35), in numerator, $\left.\frac{\partial T}{\partial \bar{s}}\right|_{\bar{s}}$ should be $\left.\frac{\partial T}{\partial \rho}\right|_{\bar{s}}$.

p.319. In (14.38), s_0 should have a bar.

p.323. Second paragraph, third line, ref. should be Giorgini et al, 2008.

p.339. In last term in (15.75), a factor $\frac{n_{c0}}{\tilde{n}_0}$ is missing.

p.348. In second line of (15.102), should be $(\omega^2 - \frac{8}{3}\omega_z^2)$

p.454. Correct reference is Kasamatsu, K. (no M).

p.458. In Zaremba, Nikuni and Griffin ref., the correct page number is 277.