I. CHAPTER 1

• p. 32, in Ex. 1.25, exp(iqP)|x⟩ should be |x − q⟩, and exp(−ikX)|p⟩ should be |p − k⟩
  — Masa Hiro Nakano 2010/07/22

• p. 36, Figure 1.2: There is a mistake. A MD measurement of an observable which is BAE need not be projective. A MD weak measurement is an example of this.

• p. 41, Definition of Projective Measurement: The text here is also wrong, as per the preceding erratum.

II. CHAPTER 2

• p. 52, (2.1): Should have a subscript 0 on ρ on the RHS of the arrow.
  — Andy Chia 2009/11/27

• p. 53, Exercise 2.1: "...Taylor-series for eiX ˆG e−iX ˆG ...." should read ...Taylor-series for eiX ˆG ...."  
  — Andy Chia 2009/12/03

• p. 53, (2.11): Subscript X missing for ⟨(X_{est} − X)^2⟩.
  — Andy Chia 2009/12/03

• p. 54, 1st paragraph, 5th line: Subscript X missing for ⟨(X_{est} − X)^2⟩.
  — Andy Chia 2009/11/27

• p. 54, 1st paragraph of Sec.2.2, 2nd line: Subscript X missing for ⟨(X_{est} − X)^2⟩.
  — Andy Chia 2009/12/03

• p. 55, 1st paragraph, 5th line: "...equal to the observed frequency..." should read “...proportional to the observed frequency...”.
  — Andy Chia 2009/11/28

• p. 55, (2.19), (2.20): RHSs should be the absolute value of the limits shown.
  — Andy Chia 2009/12/11

• p. 80, penultimate paragraph: the statement “and has recently been realized experimentally [CMG07]” is very likely false.

III. CHAPTER 3

• p. 100, (3.7): The top limit of the integral should be t not t_1.
  — Shakib Daryanoosh 2013/01/21

• p. 101, (3.11), (3.12): The coupling Hamiltonian  ˆV in the integrand should be  ˆV_{SE}.
  — Shakib Daryanoosh 2013/01/21

• p. 102, second line:  V_S should be  ˆV_S.

• p. 112, (3.58): The sign preceding f(t) should be +.
  — Andy Chia 2012

• p. 129, Fig. 3.2 caption: Should say “diagonalize the stationary state matrix”, not “diagonalize the stationary Bloch sphere”.

Official Errata for Quantum Measurement and Control
Howard M. Wiseman and G. J. Milburn
(Dated: October 30, 2018)
• p. 132, (3.126): The overall sign of the exponent should be +.
  — Andy Chia 2012

• p. 132, (3.127): The LHS should be $|C(\alpha, \beta, t)|$.
  — Andy Chia 2012

• p. 142, (3.158): The quantum Wiener increments in the exponential should be written with a Roman rather than an italic d, i.e. $d\hat{B}_z = -t$ not $d\hat{B}_z = -t$.
  — Andy Chia 2010/03/17

• p. 122, Exercise 3.23: The phrase “except for the special case in which $|s_0| = |s_1|$” is unnecessary (it applies to the non-uniqueness of a bi-orthogonal expression in the case of just system and apparatus).
  — Andy Chia 2012

IV. CHAPTER 4

• p. 165, (4.98): on the RHS $\rho_J$ should be just $\rho$.
  — Areeya Chantasri 2018/02/19

• p. 166, Sec. 4.5.1: Full stop missing for the last sentence of the paragraph.
  — Andy Chia 2010/03/03

• p. 188, (4.219): Quantum Langevin equation should read $d\hat{a}(t) = -\frac{1}{2}\hat{a}(t)dt - \hat{\nu}(t)dt$.
  — Andy Chia 2010/03/03

• p. 152, (4.29): The $i\hat{H}$ term should be outside the sum.
  — Joe Hope 2010/03/10

V. CHAPTER 5

• p. 258, last para, 3rd line, “function of the photocurrent” should be “functional of the photocurrent”.

• p. 238, 239, (5.100)–(5.102): Typesetting error for the subscript I.
  — Andy Chia 2009/11/29

• p. 220, Fig. 5.1: $\hat{b}_3$ and $\hat{b}_2$ should be swapped to match the description in the text on page 221 where $\hat{b}_2$ is said to be the transmitted field and $\hat{b}_3$ the reflected field.
  — Andy Chia 2010/02/27

VI. CHAPTER 6

• p. 307, (6.180): Every term on the RHS should be multiplied by $dt$
  — Andy Chia 2010/01/17

• p. 310, (6.189): Diagonal dots should be replaced by lower dots i.e. $H = \text{diag}(\eta_1, \ldots, \eta_L)$
  — Andy Chia 2010/03/14

• p. 315, (6.216): the RHS should be $(\hbar/2)^N/\sqrt{\det[V]}$, the square-root reciprocal of that shown.
  — Kiarn Laverick 2018/03/27

• p. 322, (6.251), the second term of RHS should be multiplied by $dt$.
  — Kiarn Laverick 2018/02/27

• p. 322, (6.252): The LHS should be $\hat{V}_c$.

• p.328, (6.277): $\hbar$ should be $\frac{\hbar}{2}$.
  — Kiarn Laverick 2018/02/15
• p.329, Fig. 6.7 caption: the two instances of $\hbar/2$ should be replaced by $\hbar/4$.
  — Kiarn Laverick 2018/02/15

• p.334, (6.304): $\hat{q}\cos \theta - \hat{p}\sin \theta$ should be $\hat{q}\cos \theta + \hat{p}\sin \theta$.

• p.335, paragraph before Sec. 6.6.7, as a result of the preceding erratum, $\pi/4$ in the penultimate sentence should
  be $-\pi/4$, and the immediately following words (in the next sentence) must be significantly changed to: “The
  fact that the optimal $\theta$ is very different from this — closer to $+\pi/4$, in fact — points to . . . .”

VII. CHAPTER 7

• p.355, Exercise 7.17: The Hamiltonian should have $I - Z$ instead of $I + Z$ in (7.48).
  — Andy Chia 2010/02/21

VIII. REFERENCES

• p.431, [Bel64]: The title should say Podolsky, not Podolsy.
  — Ron Wiseman 2009

IX. APPENDIX A

• p. 410, (A.67): Hat missing for Hamiltonian
  — Andy Chia 2010/04/09

• p. 417, (A.119): $e^{-ikx/2}$ should be $e^{ikx/2}$
  — Andy Chia 2010/04/16

• p. 417, (A.120): $e^{ikx/2}$ should be $e^{-ikx/2}$
  — Andy Chia 2010/04/16

• p. 417, (A.117): Given that we have set $\hbar = 1$ it would be better to suppress the $\hbar$ appearing in this equation
  — Andy Chia 2010/04/16

X. APPENDIX B

• p. 421, (B.25): The first term under the square root should read $\langle (\Delta \tau)^2 \rangle$
  — Andy Chia 2010/03/24

• p. 428, (B.66): Small $x$ should be capitalized — $dX(t) = dN(t) \left( \exp \left[ \chi(X) \frac{\partial}{\partial X} \right] \right) X(t)$
  — Andy Chia 2010/05/01