Errata for G. S. Girolami, *X-ray Crystallography*, first printing

p. 18, middle: after "reorientation" insert "of"

p. 18, definition for geometric element: after "set of points *p*" insert ", less than all of space,"

p. 31, figure 3.3: in the orthograph for the $\overline{1}$ point group, the lower point should be a dot, not a dot in a circle

p. 51, last paragraph before exercises: 2 = *m* should have a bar over the 2

p. 69, figure 6.2: in the 4*mm* diagram, the two sets of commas at left and right are drawn incorrectly

p. 74, last bullet: after "if you shift the centered" insert "rectangular"

p. 91, figure 8.1: in the diagram for the *c2mm* plane group, the horizontal line in the middle of the cell should be solid to indicate a mirror, not a glide

p. 93, figure 8.2 caption: replace "mirror planes" with "mirror lines"

p. 108, near bottom: benzene's point group is 6/*mmm*, not 6*mm*

p. 116, equation 10.1: in $\cos^2 y$, the symbol should be a gamma, not a *y*

p. 138, table 12.4 header: replace "organic" with "inorganic"; also, space group *I*4/*mma* should be *I*4/*mmm* and this space group is tetragonal, not orthorhombic

p. 147, figure 13.3: the 10 kV curve is mislabeled 15 kV

p. 162, figure caption: the vertical shadow is that of the support for the beam stop, not the support for the crystal.

p. 183, figure 16.4: delete "oscillation axis"

p. 190, third full paragraph: replace "diffraction from an atom" with "scattering from an atom"

p. 190, bottom: replace "in which the electrons inside of the atom behave as if they were free electrons" with "in which the scattering takes place off of electrons inside the atom"

p. 238, just above equation 22.7: after "*h*, *k*, and *l*" insert "for cubic crystals"

p. 251, first line in Section 23.2: "Equation 23.15 in Section 23.2" should refer instead to Section 23.1

p. 258, equation 24.11: replace middle line with $f_{\text{aluminum}} \cos[2\pi(0)] + f_{\text{boron}} \cos[2\pi(-0.667)] + f_{\text{boron}} \cos[2\pi(-0.333)]$, and in the next line replace $-480°$ with $-240°$

p. 258, equation 24.12: in the first line, replace "hkl" with "$21\overline{4}$" (twice)

p. 259, in equation 24.14: $\sin(-\theta) = -\sin(\theta)$ is missing the minus sign on the right hand side

p. 260, equation 24.18: insert minus signs in front of the two H's

p. 262, figure 24.2: in $\overline{3}/m$ delete the / sign

p. 313, middle, r_{oxide} should be 1.35 Å, not 1.40 Å, and the volume for 20 atoms should be 278 Å^3

p. 328, after equation 31.2: delete the floating 0 between the two lines

p. 353, figure 33.2: in the right figure, the outer circle is warped but should not be

p. 364, equation 34.9: insert absolute value signs around the numerator in the tanh term

p. 371, bottom paragraph: add vector arrows over $a/2$ and $a/2 + b/2$

p. 392, equations: in each case, π should be π^2; also, in the last expression, U_{33} should be U_{23}

p. 402, fourth bullet: replace "large compared with" with "approaches or exceeds one-tenth of"

p. 413, second bullet at top: replace "some of the molecules" with "some of the atoms"

p. 414: the last section should be Section 38.5, not 38.6

p. 422, middle: replace "b-axis unique" with "61.7 Å axis unique (because the 2_1 axis runs in this direction)." Also, change $C2_1$ to $B2_1$

p. 452, middle: the neutron half-life is 10.2 min, not 10.6 min

p. 454, end of first full paragraph: replace "Incoherent scattering, which is" with "The presence of different isotopes, which is"

p. 465, top of subsection: move the equation so that the sentence reads: "We will prove the Euler identity $e^{i\phi} = \cos\phi + i\sin\phi$ by showing that…"

p. 469, beginning of fourth paragraph: replace "centered at the origin of reciprocal space" with "centered where the vector $\vec{S_0}$ begins (its left end in the figure)"