Spherical Harmonics and Approximations
on the Unit Sphere: An Introduction

Page	Line	Corrected version of text
13	-8	Replace $\sum_{i=1}^{n} \alpha_i = d$ with $\sum_{i=1}^{d} \alpha_i = n$
138	-1	Replace $P_\ell (\boldsymbol{\eta} \cdot \boldsymbol{\xi})$ with $P_\ell (t)$
139	(4.26)	$\|V_n f\|_p \leq c \, \|f\|_p, \qquad f \in L^2\left(\mathbb{S}^2\right), \; n \geq 1, \quad \text{some } c > 0$
140	(4.28)	Replace ω with ω_1

As an additional reference, see the following.

Kunyang Wang and Luoqing Li. *Harmonic Analysis and Approximation on the Unit Sphere*, Science Press, Beijing, 2000.

For a complete development of the foundations of best approximation on the unit sphere and unit ball, see the following:

Feng Dai and Yuan Xu. *Approximation Theory and Harmonic Analysis on Spheres and Balls*, Springer-Verlag, 2013.

For an updated list of corrections/changes, see the webpage

http://www.math.uiowa.edu/~atkinson/CorrectionsSphere.pdf