The Patrick Moore Practical Astronomy Series

Series Editor

Gerald R. Hubbell
Mark Slade Remote Observatory, Locust Grove, VA, USA

More information about this series at http://www.springer.com/series/3192

Using Sequence Generator Pro and Friends

Imaging with SGP, PHD2, and Related Software

Alex McConahay

Springer

Alex McConahay
Moreno Valley, CA, USA

ISSN 1431-9756 ISSN 2197-6562 (electronic)
The Patrick Moore Practical Astronomy Series
ISBN 978-3-030-19718-6 ISBN 978-3-030-19719-3 (eBook)
https://doi.org/10.1007/978-3-030-19719-3

This Springer imprint is published by the registered company Springer Nature Switzerland AG
The registered company address is: Gewerbestrasse 11, 6330 Cham, Switzerland

Preface

This book is for imagers who would like to simplify their lives. As with anything we want to simplify, the key may be good planning. And face it, sometimes planning can sound complicated. Yes, here is a book with twenty-two chapters, four hundred pages, and a hundred illustrations about simplifying your astroimaging life.

This book was born in the gap between the promise of *Sequence Generator Pro* and the reality of its first use. *SGP* sounded like such a good idea, but so many things needed to be right before it could work its magic. Once one learned a few tricks, though, things fell into place rather quickly. Imagers on the forums, at workshops, and in the field wanted to learn those tricks and were asking questions. Many thought a book would be a good place to put the answers. So, here it is.

Many people worked with the author to pull this off. Some were there for moral support and encouragement. Some were technical support, and they found quite enough errors on first reading. Hopefully, none has slipped through. But that is a hope, not a guarantee. If you find some things in this book are not clear, or not the way you prefer to work with *SGP*, or simply have suggestions, you can send your ideas to the author at SGPFriends@gmail.com.

The people who made this happen included Ken Pendlebury, Jared Wellman, Andy Galasso, Bruce Waddington, Ken Self, Joel Short, Glenn Diekmann, Phyllis Lang, Sebastian Garcia, Paul Rodman, Tolga Gumusayak, Warren Keller, Chris Woodhouse, Mitch Arsenault, Adam Jaffe, Eric Coles,

Ken Self, John Hayes, Bill Connelly, Bob Stephens, John Liderbach-Vega, and Jose Castro. It would not have gotten done without help from Hannah Kaufman, and Maury Solomon at Springer. And, my wife Judy kept me comfortable and inspired through the year it took to finish this project. Thanks to all, especially Judy.

Moreno Valley, CA, USA Alex McConahay

Image Credits

All illustrations, unless otherwise credited, are generated by the author, including those using illustrations of the various programs. The developers and owners of these programs have graciously consented to use of screen-shots of their programs. They include Ken Pendlebury, Jared Wellman, Andy Galasso, Bruce Waddington, Phyllis Lang, Sebastian Garcia, Paul Rodman, Patrick Chevalley, and Simulation Curriculum.

Contents