# SKY AND TELESCOPE

# **CONTENIDO**

### VOLUME 122 No. 2 AUGUST 2011

#### **FACTURES**

#### COVER STORY

# **Pummeling the Planets.**

Scientists are debating whether the entire solar system suffered a barrage of impacts long after the planets formed.

Emily Lakdawalla.

## 28 The Exoplanets that Weren't.

Misadventures in planet discovery have continued from 1855 through the present time.

Brandon Tingley.

#### 34 NEAF Turns 20.

The annual Northeast Astronomy Forum has something for every amateur regardless of experience.

Dennis di Cicco & Sean Walker.

#### **Spectroscopy for Everyone.**

With inexpensive equipment, you can easily reveal the spectral signatures of everything from nearby planets to distant quasars. *Tom Field.* 

#### 72 Trading Techniques.

Attending an astrophotography meeting can boost your imaging skills. *Sean Walker*.

## THIS MONTH'S SKY

#### 40 Northern Hemisphere's Sky.

Fred Schaaf.

## 43 August's Sky at a Glance.

#### 45 Binocular Highlight.

Gary Seronik.

### 46 Planetary Almanac.

#### 48 Sun, Moon, and Planets.

	Fred Schaaf.
50	<b>Exploring the Moon.</b> Charles A. Wood.
53	Celestial Calendar. Tony Flanders.
58	<b>Deep-Sky Wonders.</b> Sue French.
62	Going Deep.  Ken Hewitt-White.
	<b>х</b> еп пеши-тине.
	ALSO IN THE ISSUE
6	
6 8	ALSO IN THE ISSUE Spectrum
	ALSO IN THE ISSUE  Spectrum  Robert Naeye.

- 18
  - **Cosmic Relief.** David Grinspoon.
- Telescope Workshop. 64 Gary Seronik.
- 76 Gallery.
- **Focal Point** 86 Andre Bormanis.

### ON THE COVER:

Artist Don Davis depicts a very large asteroid Slamming into Earth about 600 million years after the planet formed.