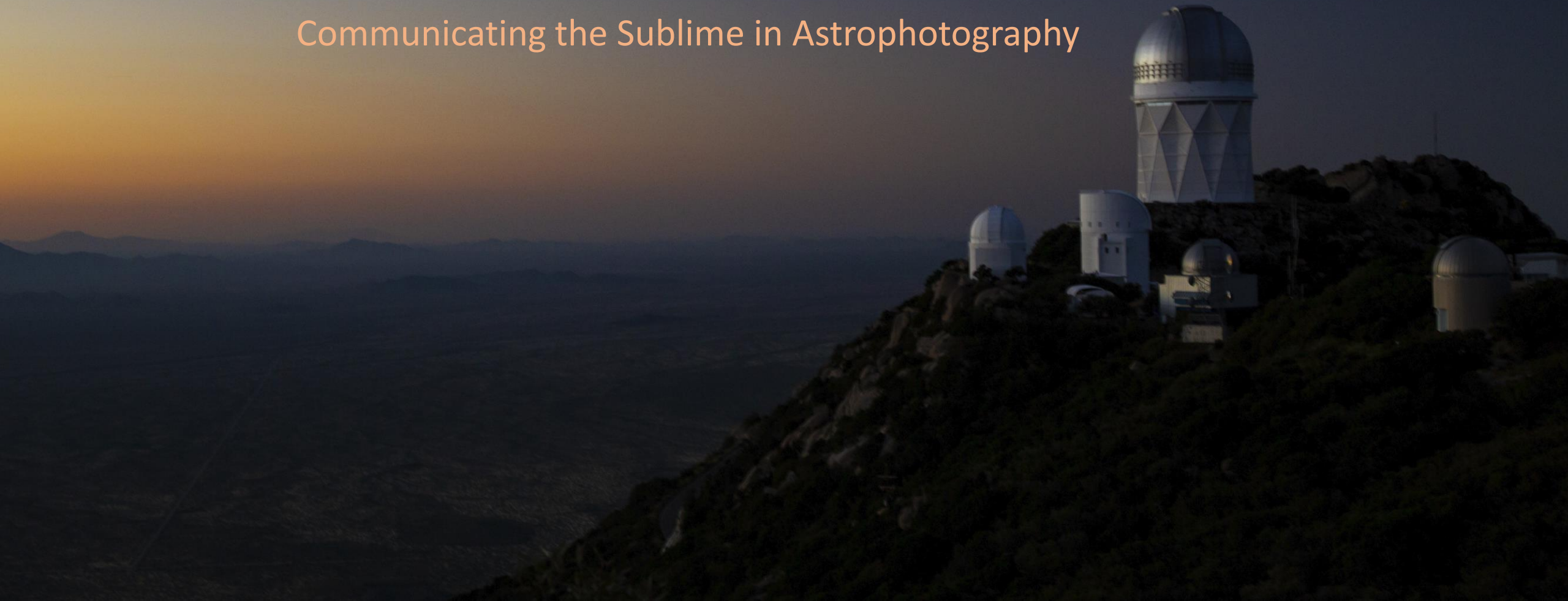


Beauty and the Beholder

Communicating the Sublime in Astrophotography



M87



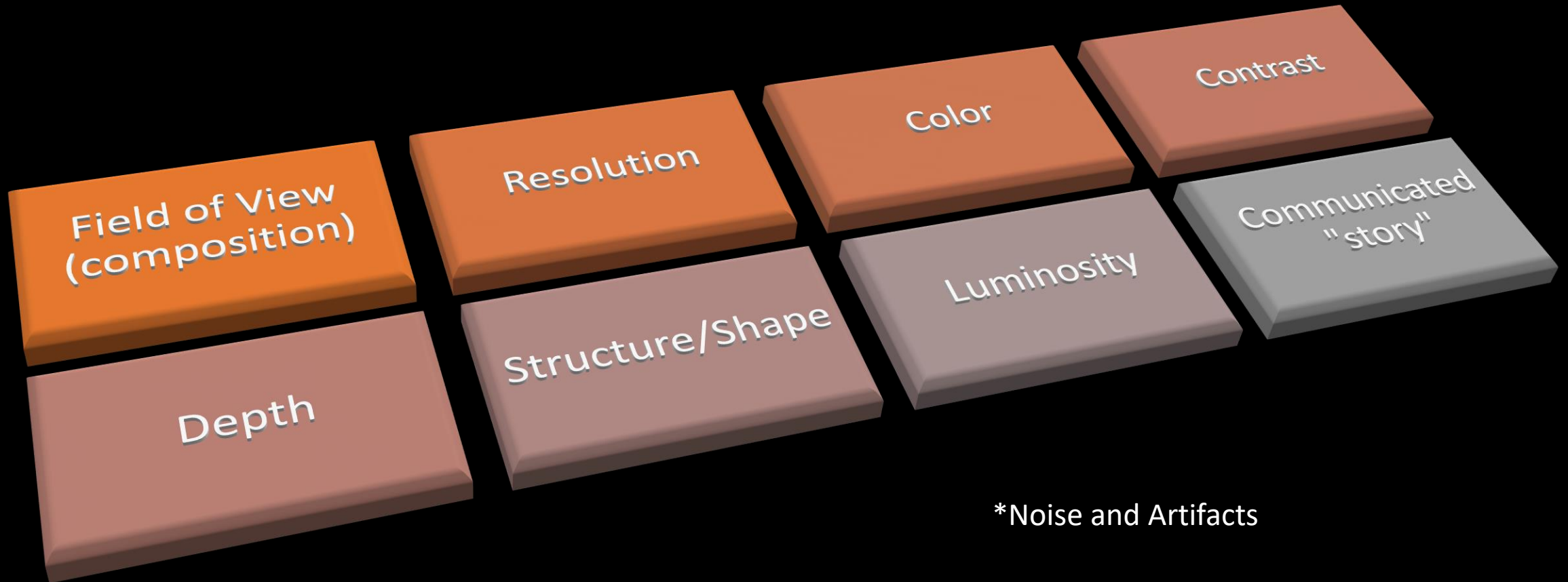
M87







Elements of Images



*Noise and Artifacts

"How do you know what to do next?"

-workshop participant

Previsualization

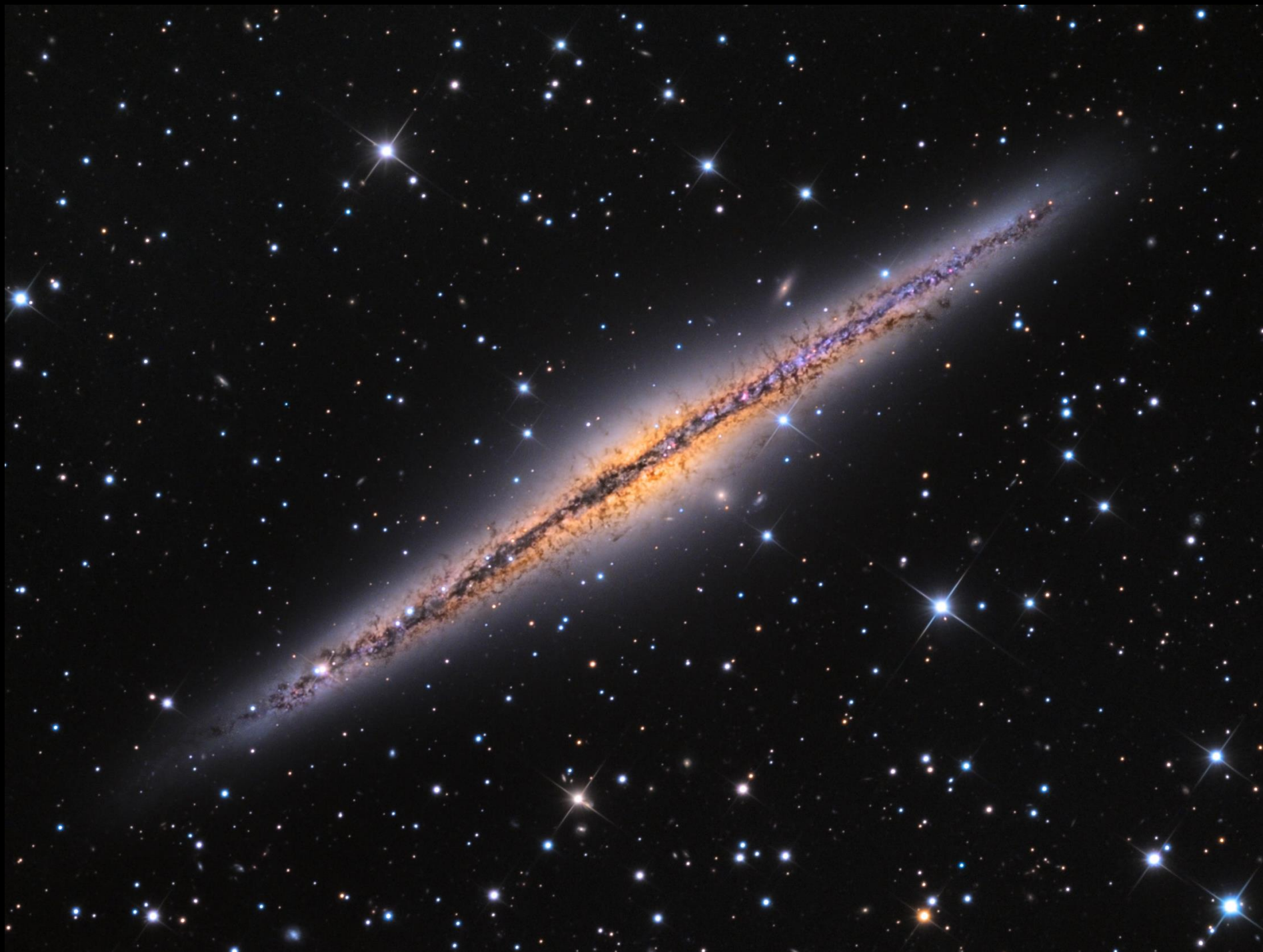
"There is nothing worse than a sharp image of a fuzzy concept."

-Ansel Adams

- There is more information recorded in the image (data) than can be displayed on the screen (or printed) in any one rendering of the object.
- The astrophotographer chooses the amount of:
 - Brightness
 - Color balance
 - Color Saturation
 - Contrast
 - Sky brightness (black level)
 - Noise/Artifact Suppression

Degrees of
Freedom (Bit
Depth)

NGC 891



NGC 891

apod



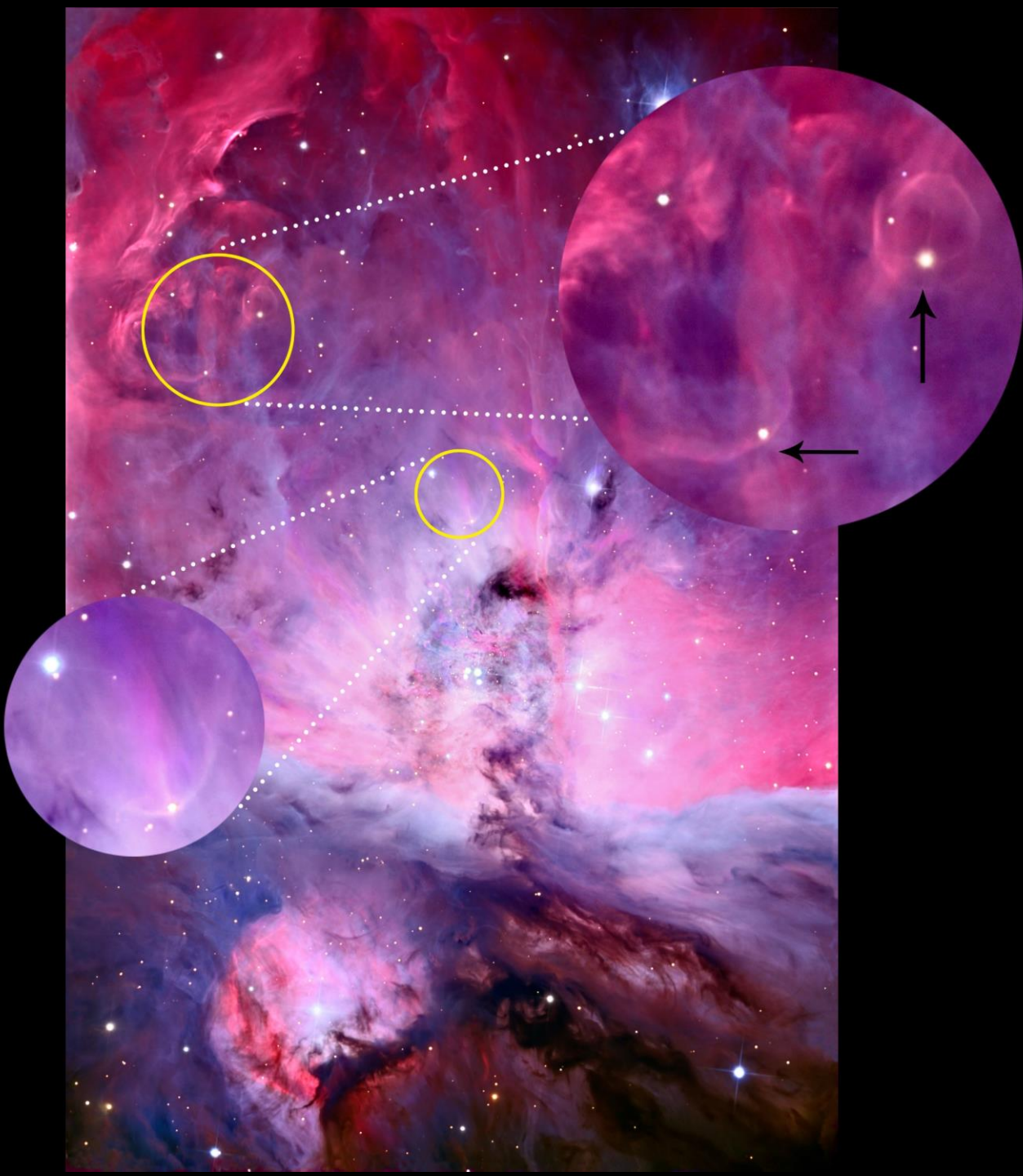
NGC 6522



NGC 6522



M42



M42







HST

M31



M31



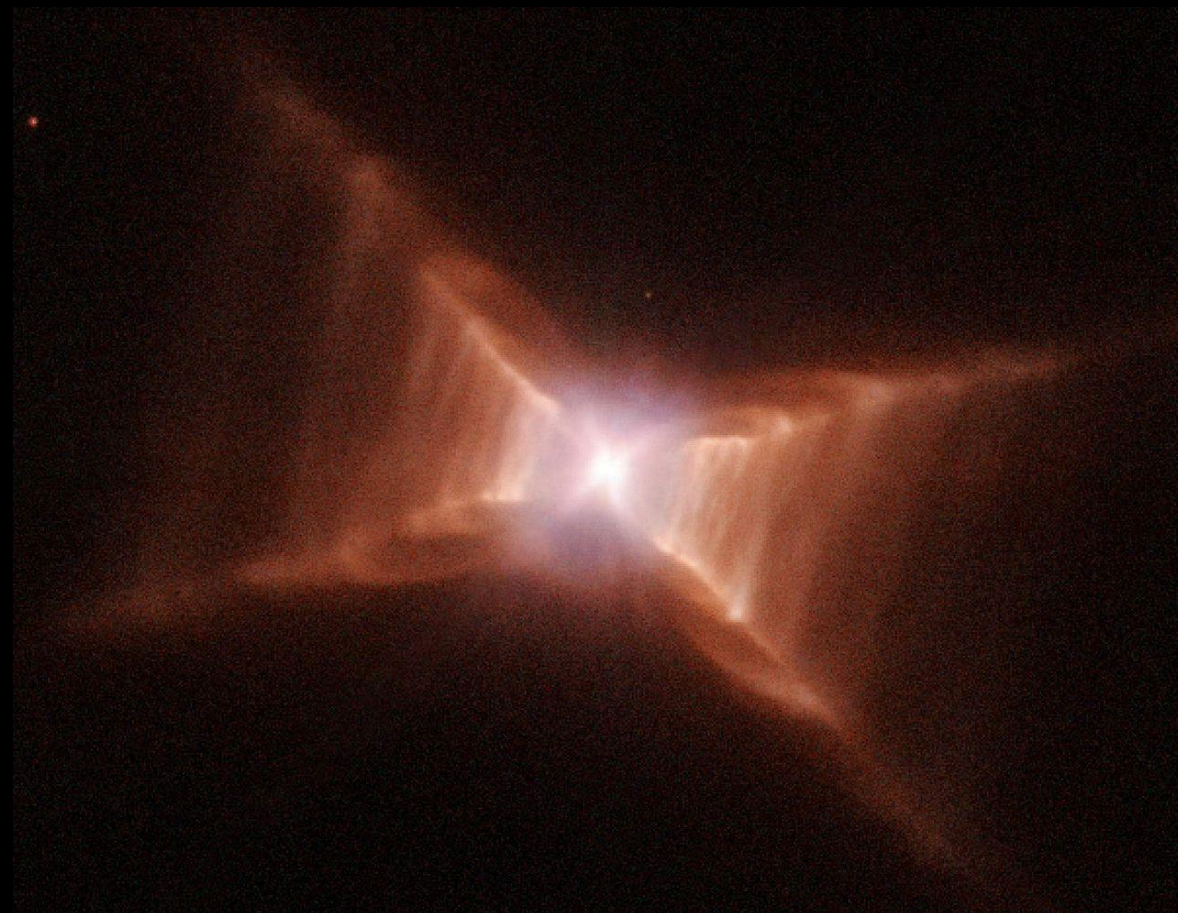
Structure

Red
Rectangle



Structure

Red Rectangle



HST

M1
(2012)



M1

Artifacts



<https://vimeo.com/71117055>

VLT (ESO)
1999

Artifacts



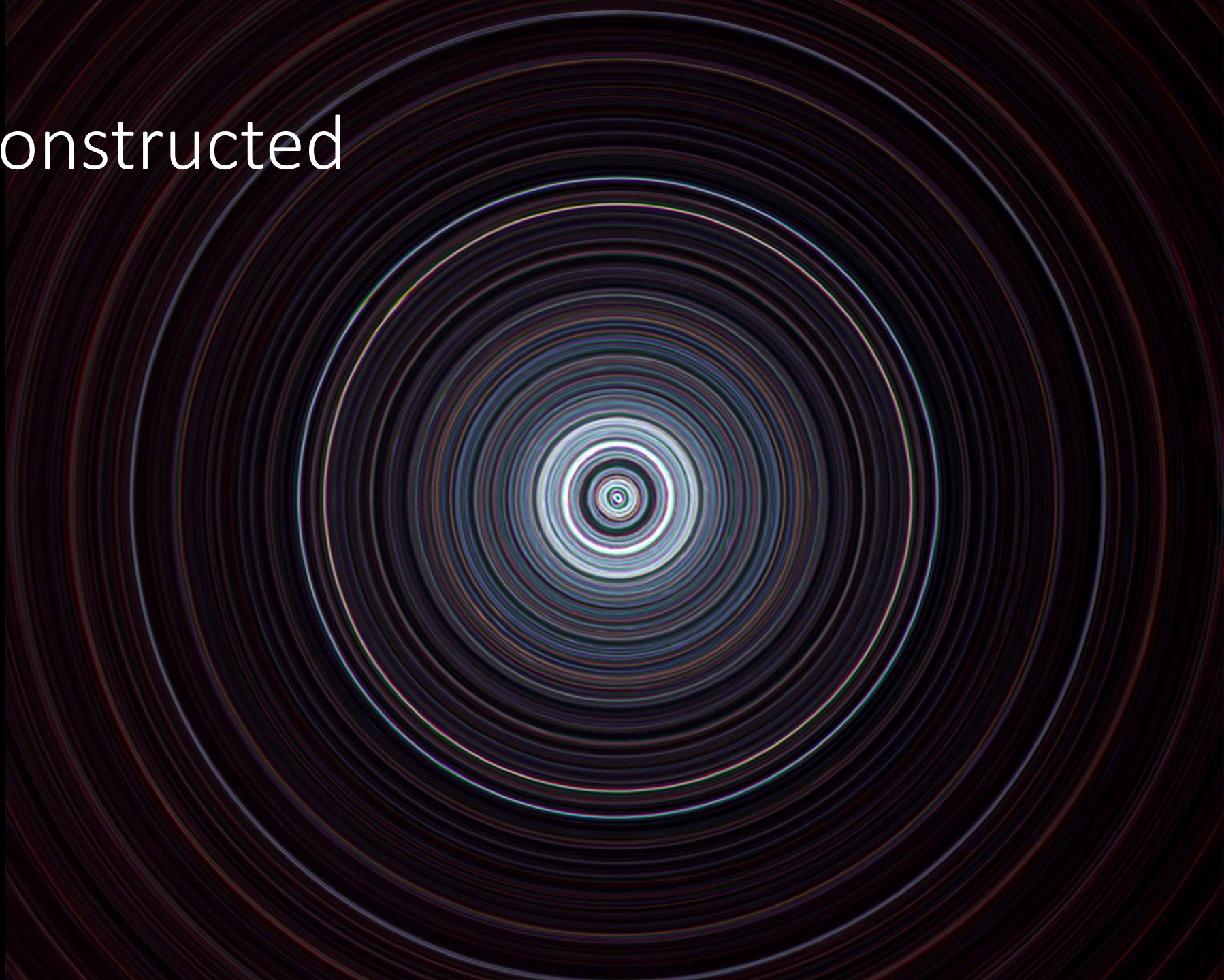
Deconstructed



Stefan Seip

M11

Deconstructed



M8

Color in the Balance





IC 5070









NGC 7331



Vicent Peris



Adam Block



Tony Hallas

The story being
told.

M20



Jay GaBany

M15





Sh2-239



V1025 Tauri



NGC 1497





NGC 3614



NGC 6240

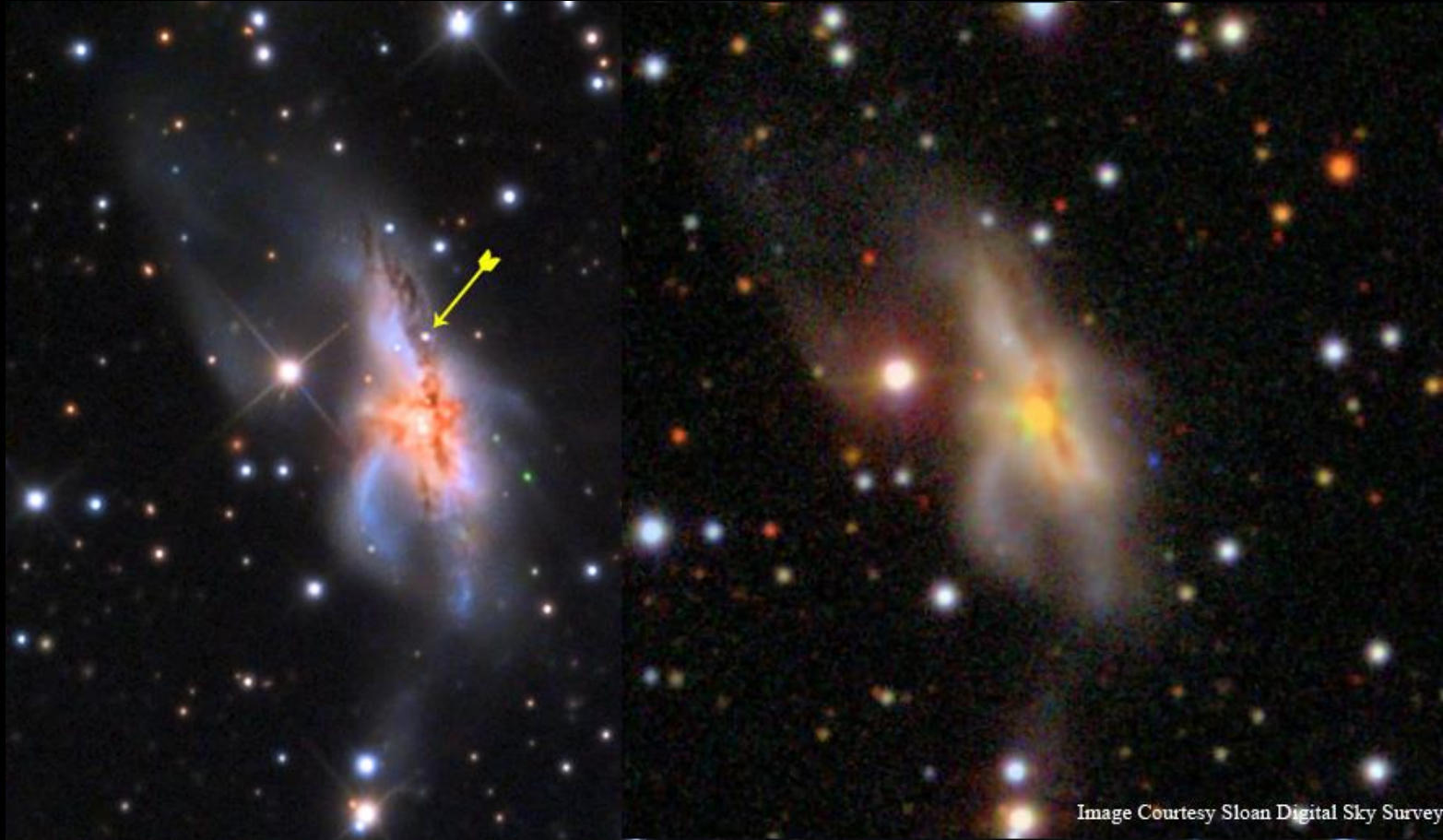


Image Courtesy Sloan Digital Sky Survey







Now the Useful Stuff

Star De-Emphasis

Morphological Selection

Adam's Method



