

## TRACEPRO TOP USE CASES

Altair Partner Alliance

# Minimize Stray Light in Earth – and Space-Based, Large Astronomical Telescopes, and Military and Aerospace Optical Systems

## Challenge

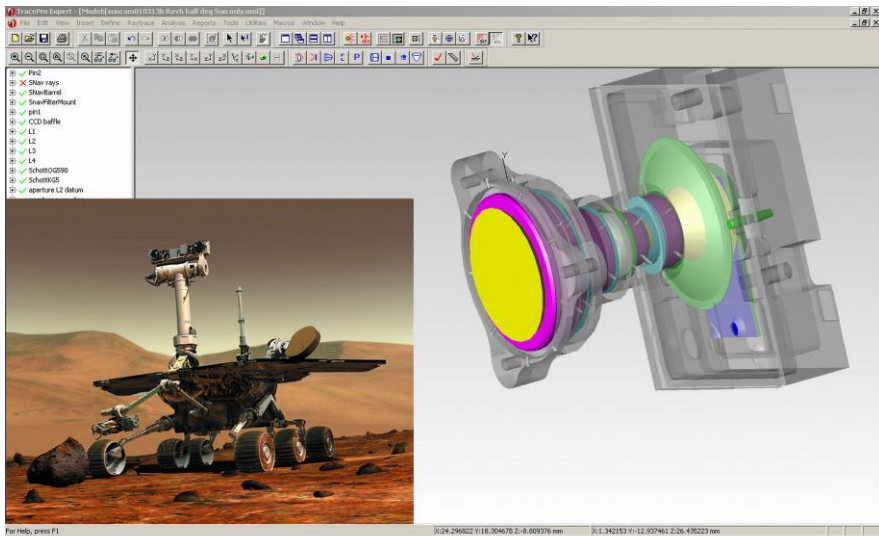
- Stray Light Suppression

## Solution

- Specialized tools to predict, analyze, and reduce unwanted light from bright sources outside the field of view.

## Result

- Enables images with reduced noise and without unwanted artifacts, thereby increasing available observation space.



# Design Luminaires

## Challenge

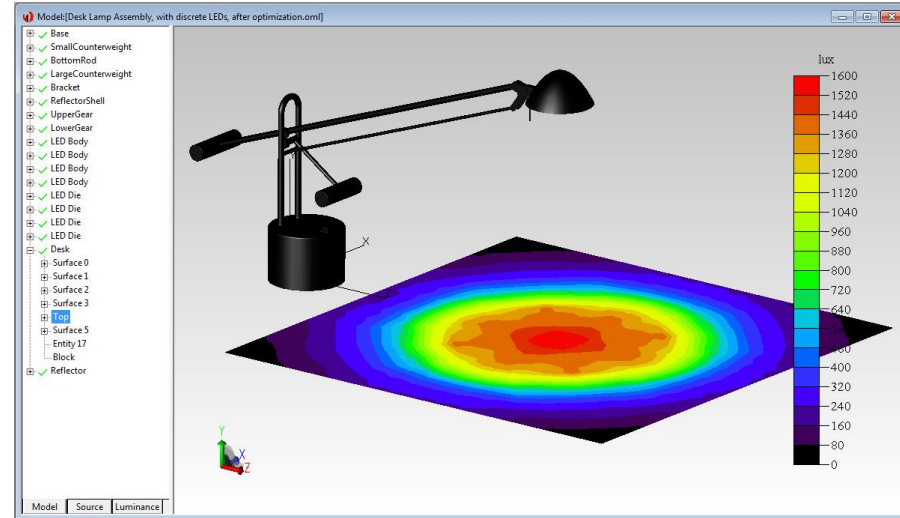
- Create efficient luminaires while satisfying specifications for light distribution and intensity.

## Solution

- Design and automatically optimize the luminaire optics luminaire using one or more user-defined targets.

## Result

- Enables images with reduced noise and without unwanted artifacts, thereby increasing available observation space.



# Design Lightpipes

## Challenge

- Create efficient luminaires while satisfying specifications for light distribution and intensity.

## Solution

- Design and automatically optimize lightpipe shape using one or more user-defined targets. Verify with photorealistic rendering of lit appearance.

## Result

- Better light pipes makes viewing of indicators and instrument panels easier while using fewer LEDs.

