

Ultraviolet-Blocking Lenses Protect, Enhance Vision



Jet Propulsion Laboratory

Eagle Eyes Optics Calabasas, California

Originating Technology/NASA Contribution

- ◆ JPL scientists invented a welding curtain to protect against eye-damaging light wavelengths found in space and produced by laser and welding work
- ◆ The curtain employed a light filtering/vision enhancing system developed through studying the eyes of birds of prey



Partnership

- ◆ SunTiger Inc.—now Eagle Eyes Optics—licensed the technology for use in sunglasses
- ◆ Eagle Eyes sunglasses shield eyes from harmful ultraviolet, violet, and blue light
- ◆ The eyewear was inducted into the Space Technology Hall of Fame

Product Outcome

- ◆ The technology protects against damage that can lead to cataracts, which effect millions in the United States alone
- ◆ Eagle Eyes donated 150 pairs to children in Alaska, where the Sun's reflection off the snow results in a higher incidence of cataracts