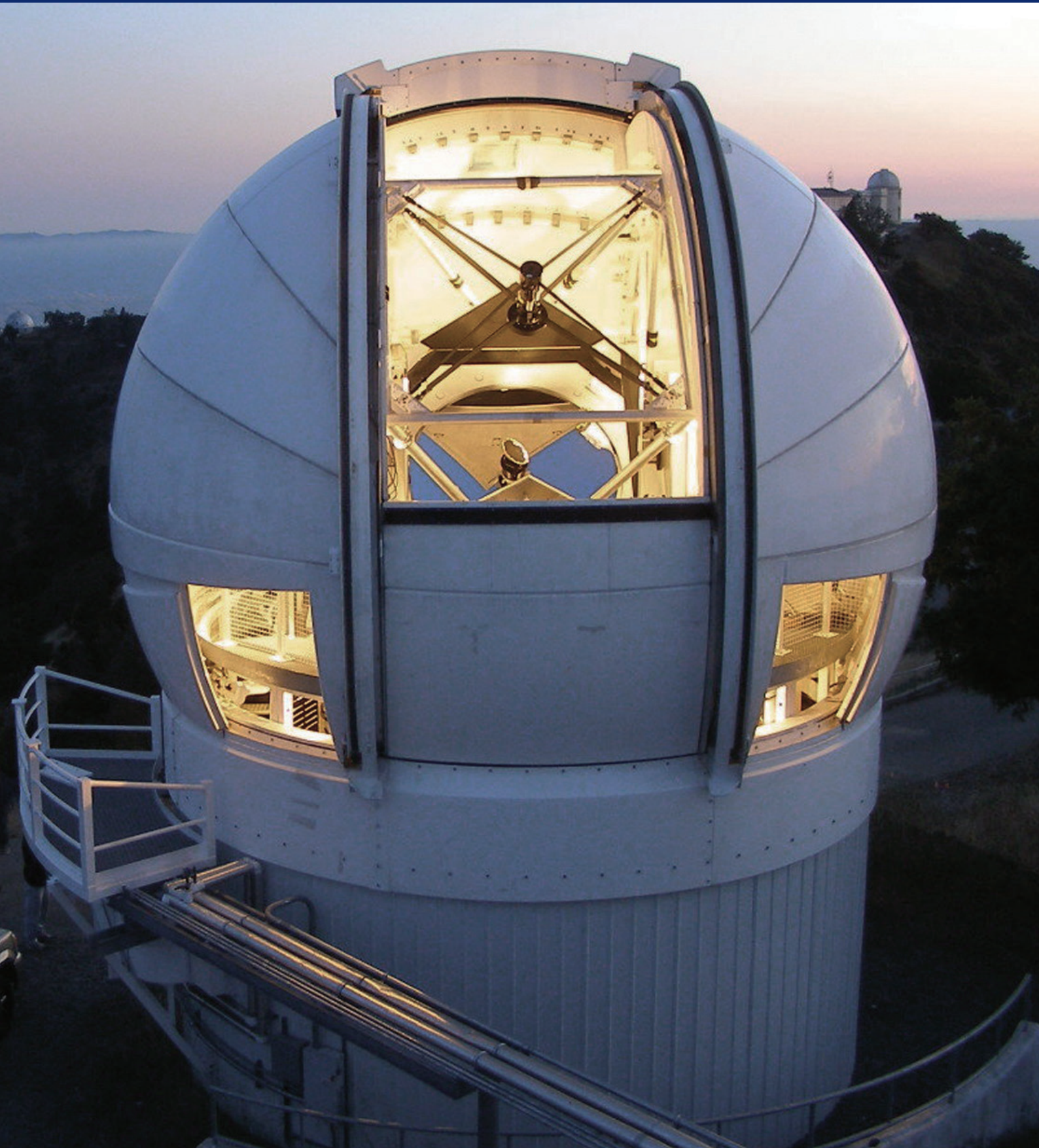


ICESTORM II ENCLOSURE

TEOS



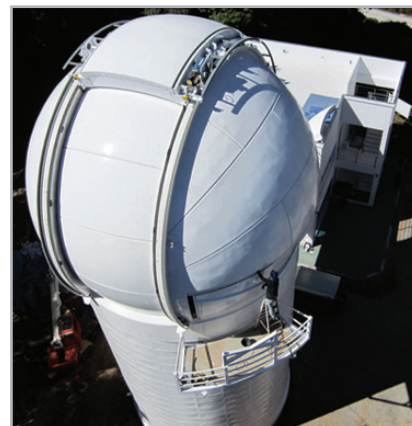
ICESTORM II ENCLOSURE



EOS is a leading manufacturer of large aperture beam directors and astronomical telescopes, lasers, enclosures and observatory systems.

EOS provides robust, industrial grade control systems for remote and robotic telescope and observatory control. EOS observatory products are found in many astronomical and military space sensing systems around the world.

The IceStorm II Enclosure is suited for large beam directors, accommodating apertures up to 2.4 m; this makes it ideal for optical astronomy applications. Its robust dome construction minimizes thermal effects, protects against vibration and reduces wind shake.



FEATURES	
Structure Capable for remote operations	8 m diameter ringwall supporting a co-rotating spherical enclosure with diameter of 9 m Composite GRP dome panels includes fire retardant insulation (>R3 or R19 US); dual flap seals minimize air leakage
Shutters	Accurately track telescope elevation at speeds up to 2°/sec Dual tracking (positioning to < 50mm) Speed: 2°/sec and acceleration 1°/sec ²
Dome rotation	Co-rotating dome maximizes space, improves safety and minimizes volume for environmental conditioning Dome rotational speed 4°/sec
Dome acceleration	> 1°/sec ²
Operational environment	Operational wind load to 80km/h (survival wind speed 240km/h) Thermally isolated area for electronics control racks and other heat sources
Optional features	<ul style="list-style-type: none"> • Level 4 mezzanine floor • Service crane • HVAC • Nasmyth instrument hatch • Instrument cooling • Lightning protection

High Performance, High Reliability - 10 Years Operation Maintenance Free

For more information please contact:
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2868 Wall Triana Hwy SW
Huntsville, AL 35824

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