

## About the Cover:

Scientist Dana Edgell examines target Characterization Station #2. Cryogenic targets are inserted into the column (center) from a Moving Cryostat Transport Cart (MCTC) docked underneath the station. Two sets of cameras and collection optics, shown extending back off either side of the column, provide nearly orthogonal simultaneous views of a cryogenic target. High-luminescence LED's, backlighting the targets, are shown coming off the central column opposite each camera. The reflection of this light off the inner surface of the cryogenic target's hydrogenic ice layer produces a characteristic ring in the camera shadowgraph images. The smoothness of the ice surface is measured by analysis of this "bright ring."



The photo on the left shows the cryogenic target MCTC and layering team (from left to right: Senior Laboratory Engineer Luke Elasky, Senior Technician Al Weaver, Senior Technician Steve Verbridge, and high school summer student Lauren Weiss) layering and characterizing a target in preparation for an OMEGA cryogenic target shot. Characterization Station #2's target viewing cameras and optics, shown on the cover, can be seen above the platform while the MCTC is docked below it.

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