

## About the Cover:

A remote camera suspended from the OMEGA target bay crane captured the November 1993 installation of the Upgrade target chamber—a DOE milestone achievement. The 11-ft-diam, 3.5-in.-thick, 6-ton aluminum chamber is shown being lowered into the bottom section of the 22-ft-diam target mirror structure (TMS). To the right of the chamber, the preassembled top section of the TMS rests atop the south-end mirror structure. After the chamber was bolted into the TMS, the top section was moved into place, thus completing the assembly. Also visible in the foreground are the massive final alignment sensor package structures, which will incorporate the alignment and diagnostic sensors for each laser beamline. All of the major structures are now installed in the target bay, except the TMS personnel platform. Installation of the optomechanical assemblies begins in early 1994.

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