Hardware Fabrication Completion Percentages

- Primary Mirror Segments: 100%
- Aft Optics System Bench: 95%
- Primary Mirror Support Structure: 75%
- Secondary Mirror: 100%
- Tertiary Mirror: 100%
- Fine Steering Mirror: 95%
- Secondary Mirror: 95%
- Secondary Mirror Supports: 90%
- Spacecraft Bus: 25%
- Sunshield Membranes: 10%

Green borders denote actual spaceflight hardware images, red borders are test equipment.

As of 9/1/2011
Mirror segment has completed all thermal testing
Sunshield Membrane Engineering Dev. Unit
Cost Breakdown by Element through FY11 ($3.5B total)

- **Northrop-Grumman**: 33.2% spent
- **Misc. Observatory Support**: 1.3% spent
- **Ground System**: 4.9% spent
- **ISIM and Science Instruments**: 24.2% spent
- **Technology Development**: 3.2% spent
- **Science Working Group**: 0.3% spent
- **Miscellaneous**: 5.2% spent
- **Civil Service Labor**: 7.1% spent
- **I&T test chamber**: 2.5% spent
- **MIRI cryocooler**: 1.6% spent
- **Mirrors (Ball Aerospace)**: 15.4% spent
- **System Level I&T**: 1.1% spent