

A Short Report on Thin Glass Optics

- Some of the questions from two years ago ..
- Freeze/Thaw affect on the optics
- 6 pucks of various thickness and density with glass fused to the surface. Placed for 16 months into a tin shed in central Oregon.



Affects of Freeze Thaw on Optical Quality

- No data at this time.

Oopsies

- How do the pucks handle damage and wear?
- How well will they work optically?
- Several pucks have been ground to mirror quality, though not always to quality mirrors.



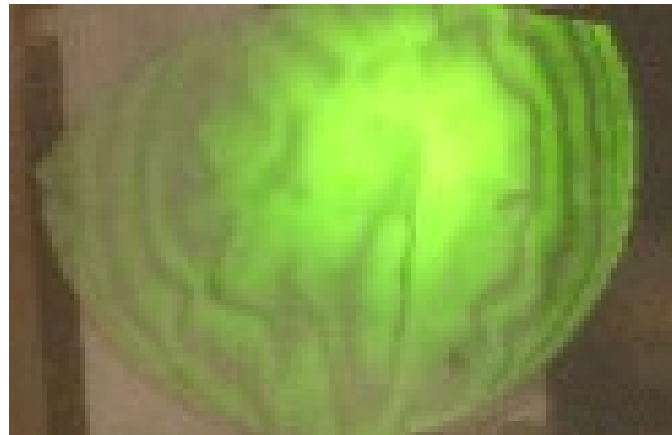
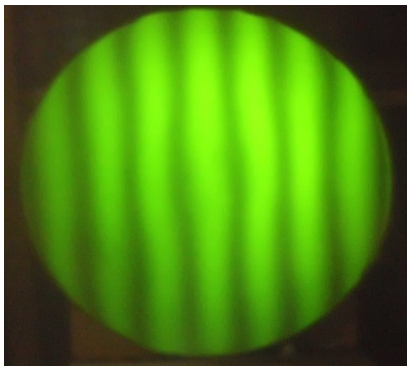
Play Video

- <http://www.youtube.com/watch?v=prkruHD0MOk>
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Lots of videos on this subject by me on YouTube. Search for vorblesnak

Damage Affect on the Figure

- There is always some affect on the figure but the fused optics show a greater affect.
- A 12 inch puck, well on it's way to figuring to parabaloid. All figure lost in the destructive test.

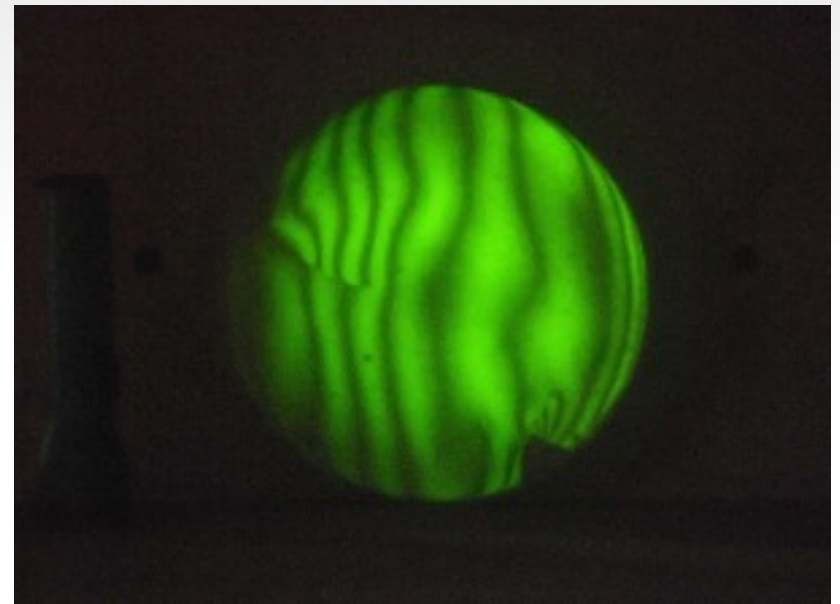


More After Drop Photos



After Drop Figure

As bad as the Ronchi
looks, the mirror might
work as a light bucket

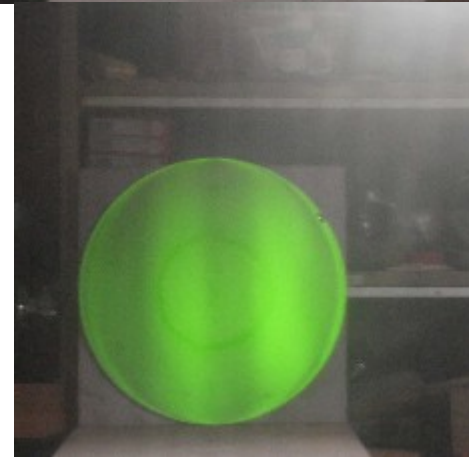
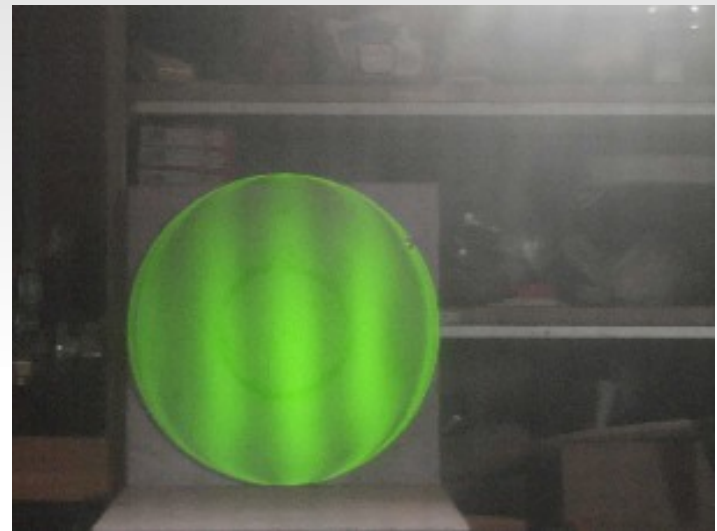
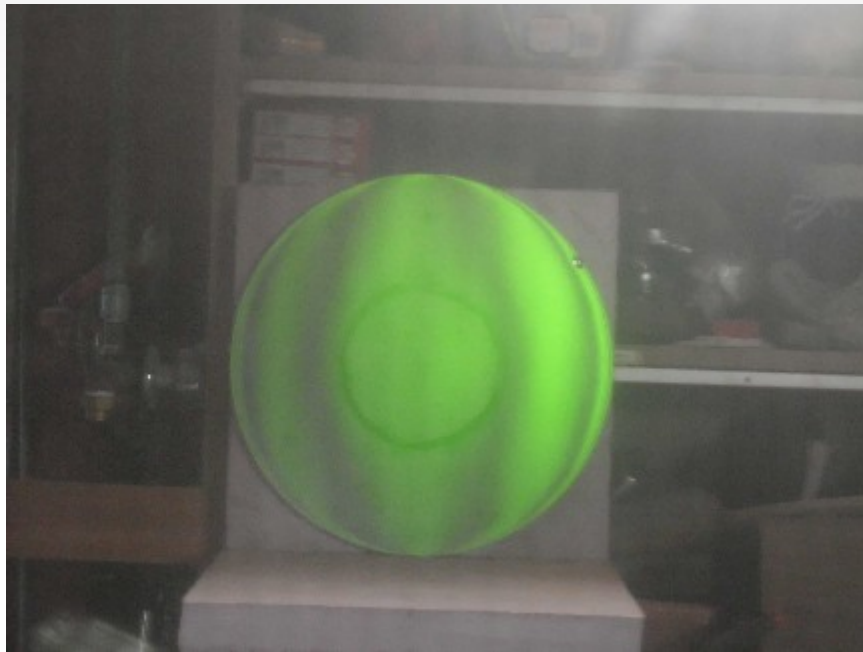


Play Video ..

- <http://www.youtube.com/watch?v=93DrLivXDMc>

Magic Mirror Figuring

Before and after shots.



Ultra Thin Glass Must be Stabilized Prior to Work

Very thin glass like Fuzzy, 8mm x 400mm or Russ's mirror, 25mm x 1000mm will flex and respond to heat and pressure. You are never sure where you are.

