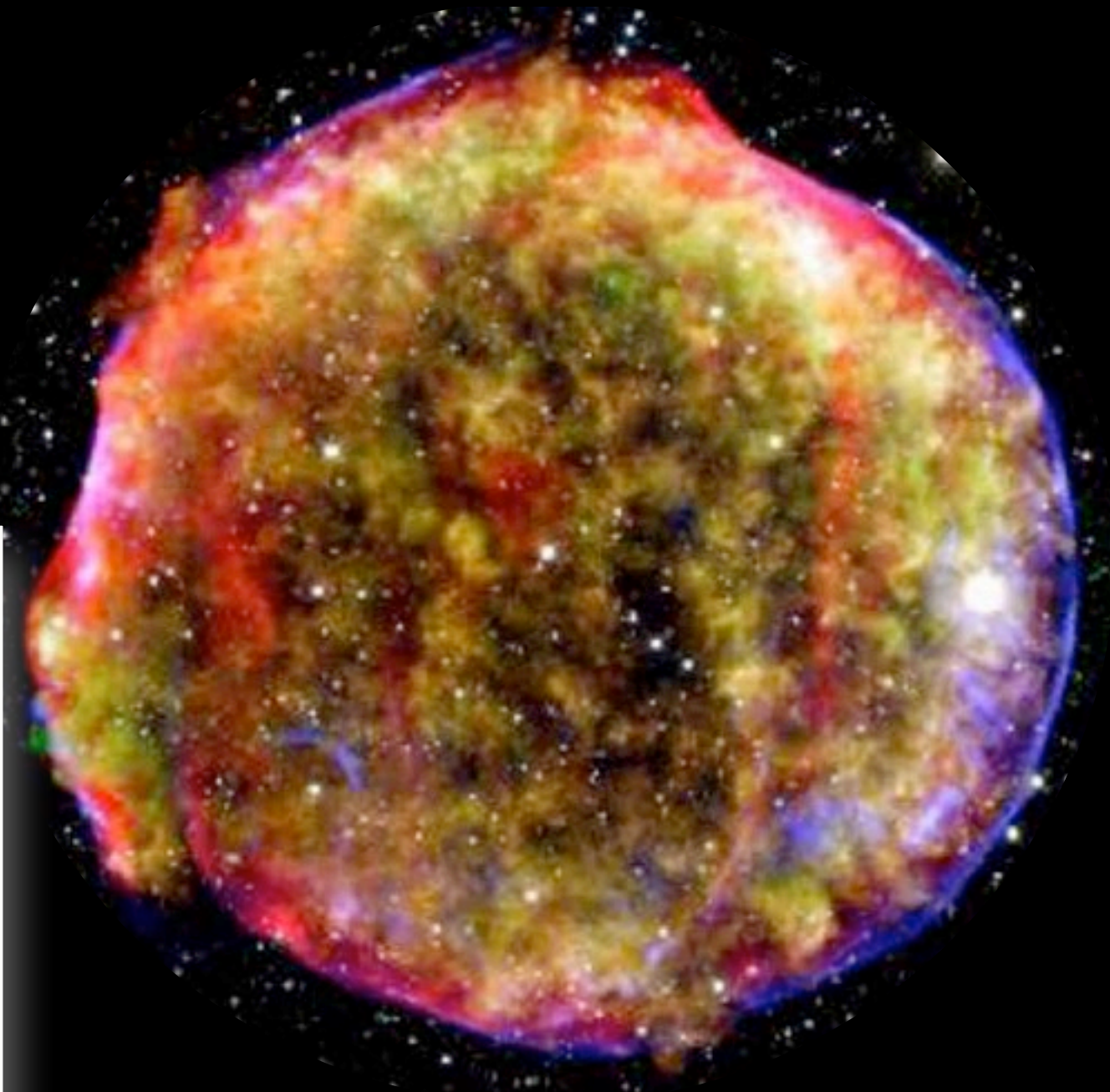
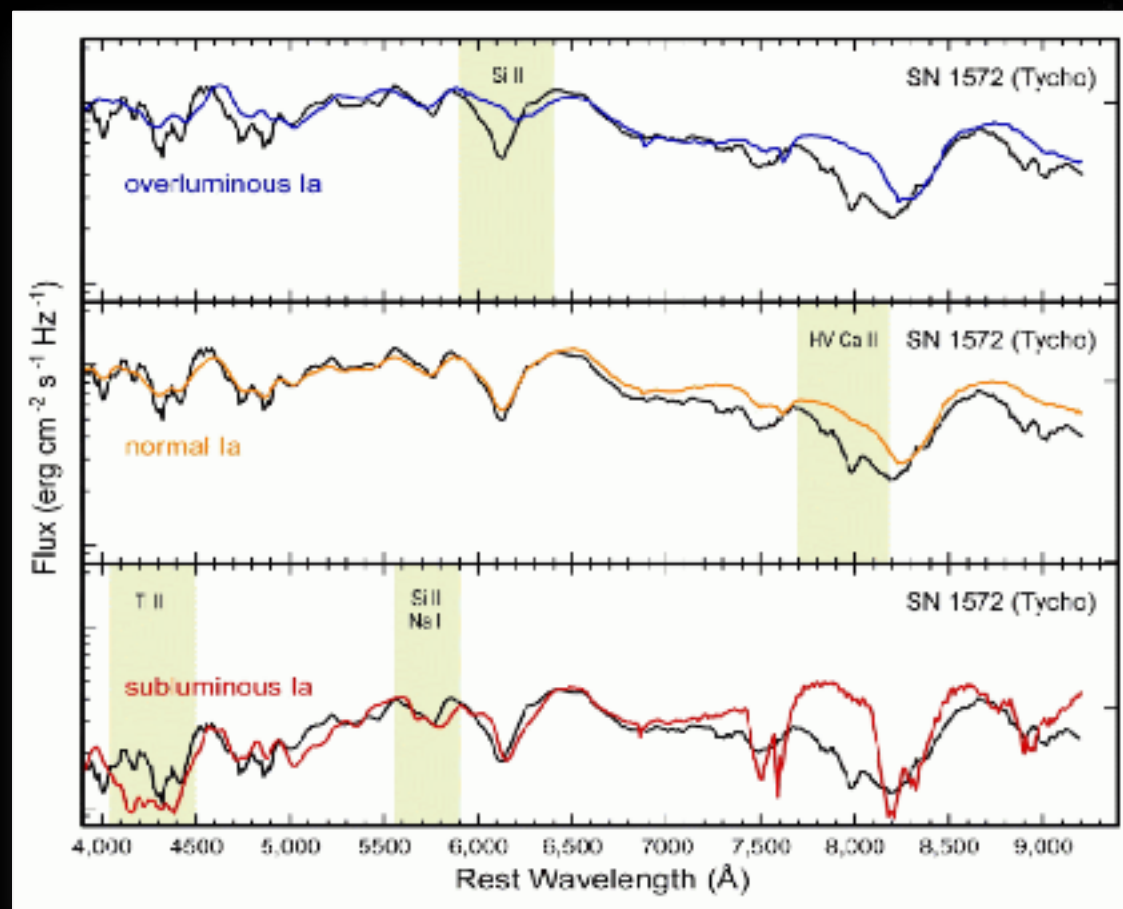


# why study light echoes?

Relating effect to cause:  
cosmic bursts and their remnants

## Tycho SN (1572)



Rest+ 2011

light echoes of  $\eta$ -Carinae

In 2010 we discovered light echoes of  $\eta$ -Carinae's mid 1800s eruptions!

Rest+ 2012, Nature



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**16 February 2012**

**Star light, star bright**  
Observations of 'light echoes' from the eruption in the mid-nineteenth century of one of the Milky Way's most massive binary stars are reported in this week's *Nature*.

**Latest news**

- ▶ Prions and chaperones: Outside the fold
- ▶ Cancer-causing mutations yield their secrets
- ▶ Human evolution: Cultural roots

[More news from nature](#)

NASA/NOAO/A. REST (STSI)

light echoes of  $\eta$ -Carinae