



## High-Resolution XMM-Newton X-ray spectra of V2491 Cyg probing different stages of evolution

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AAVSO light curve of RS Oph

6

8

10

12

recurrent.

100

that's why pre-outburst obs exist

200

day after outburst

mag

Exponential decline in optical not due to reduction of energy budget but owing to a shift of the spectral energy distribution from optical to UV and ultimately X-ray

300

400













## What can we learn?











OD. v.Rossum, JU Ness (2009)







## **Summary I**

- Swift monitoring allows accurate scheduling of deeper exposures with Chandra/XMM-Newton
- The X-ray light curves show a surprisingly high degree of variability on long and short timescales
- The SSS spectra of V2491 Cyg and other novae in outburst contain complex details that will be difficult to model
- Atmosphere models must account for the expansion. Static hot WD models are not adequate, even if they fit the spectra