

**MAXI J1820+070 =
ASASSN-18ey**

The Great X-ray Nova of 2018

Seen 6 March by ASASSN

Seen 11 March by MAXI

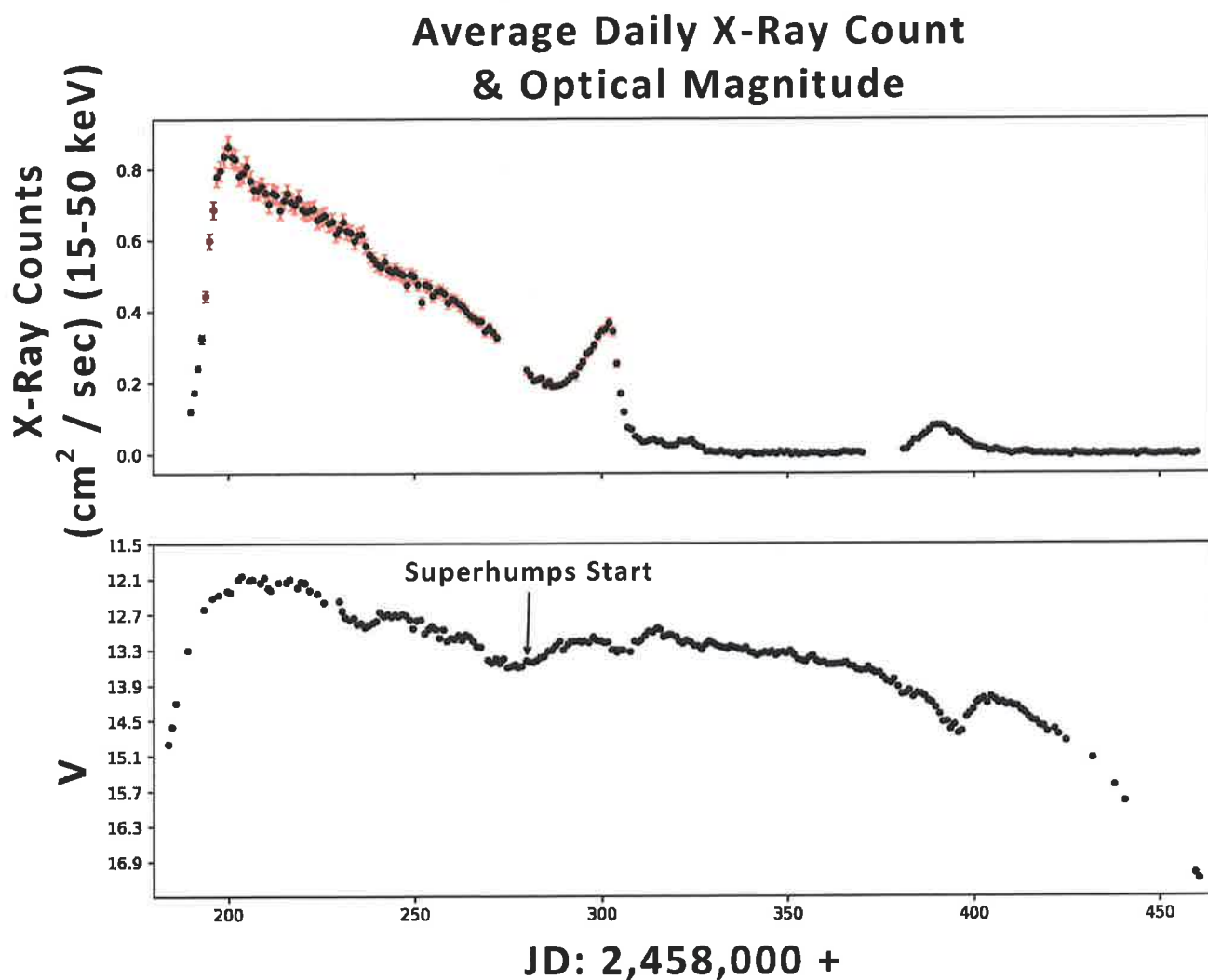
Quiescent $V \sim 18.5$

Rises to $V \sim 12.5$

Distance = 3 ± 1 Kpc

$\Rightarrow M_v = 4.7$ quiescent
-1.3 eruption

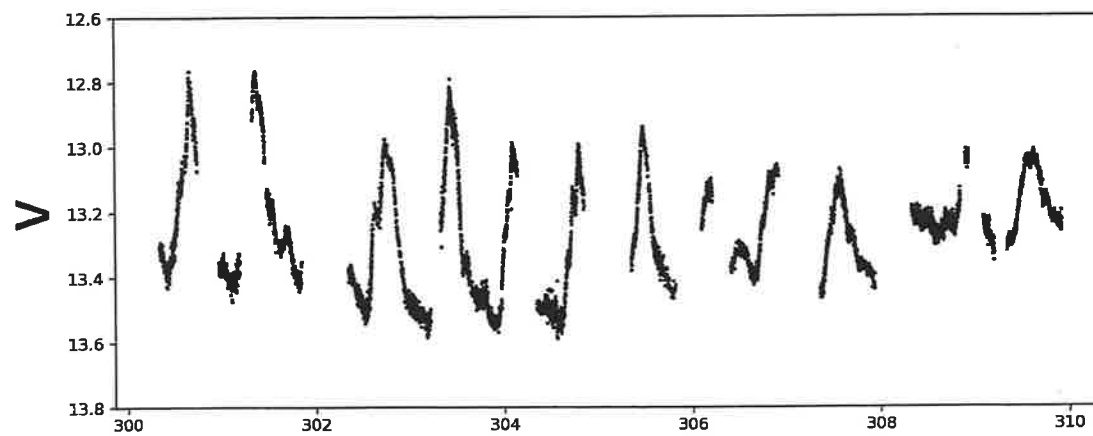
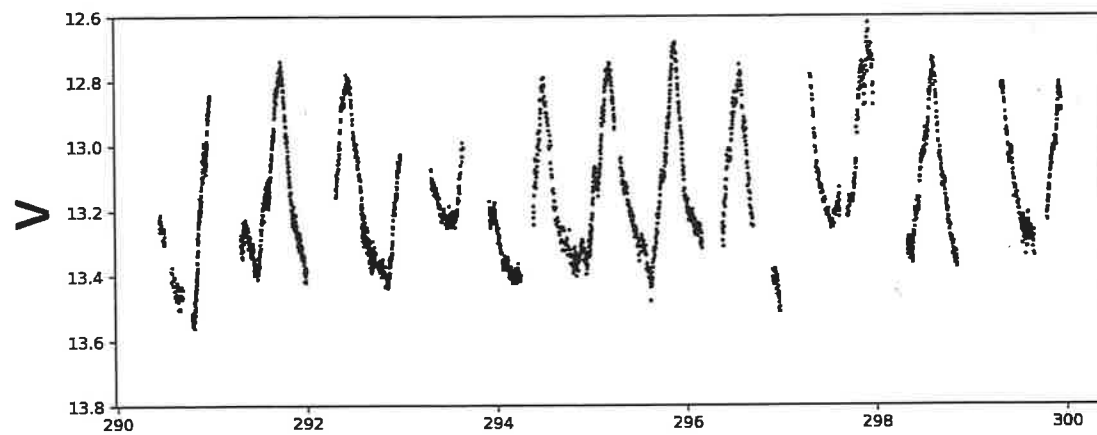
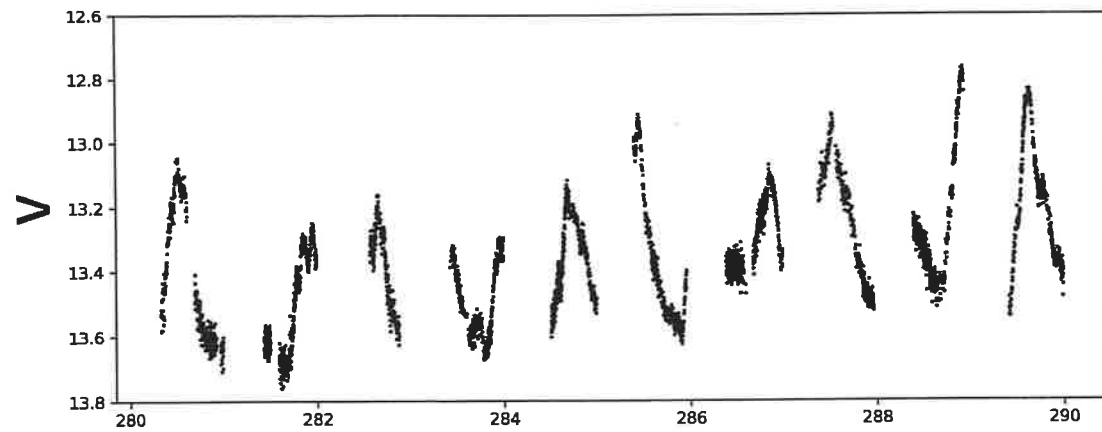
$L_x/L_{opt} \approx 500 \Rightarrow$ ***neutron star***
or
black hole



**Day 270: X-ray spectrum softens, and
LARGE periodic waves appear.**

**Period ~ 17 hours, decreasing slowly
=> *SUPERHUMPS* !**

But $M_V \sim 0$, cf $\sim +6$ for CVs... A PUZZLE!



JD +2458000

