

Late-time ($t \sim 330$ d) HST and JWST Observations of GRB 221009A

Huei Sears (Rutgers, The State University of New Jersey; huei.sears@rutgers.edu),
 Ryan Chornock, Peter Blanchard, Raffaella Margutti, V. Ashley Villar, Justin Pierel, Patrick J. Valley,
 Kate D. Alexander, Edo Berger, Tarraneh Eftekhari, Wynn V. Jacobson-Galán, Tanmoy Laskar,
 Natalie LeBaron, Brian D. Metzger, and Dan Milisavljevic

GRB 221009A is one of the **most energetic** ($E_{\gamma,iso} = 10^{55}$ erg) and **closest** ($z = 0.151$) long gamma-ray bursts (GRB) ever discovered by Swift!

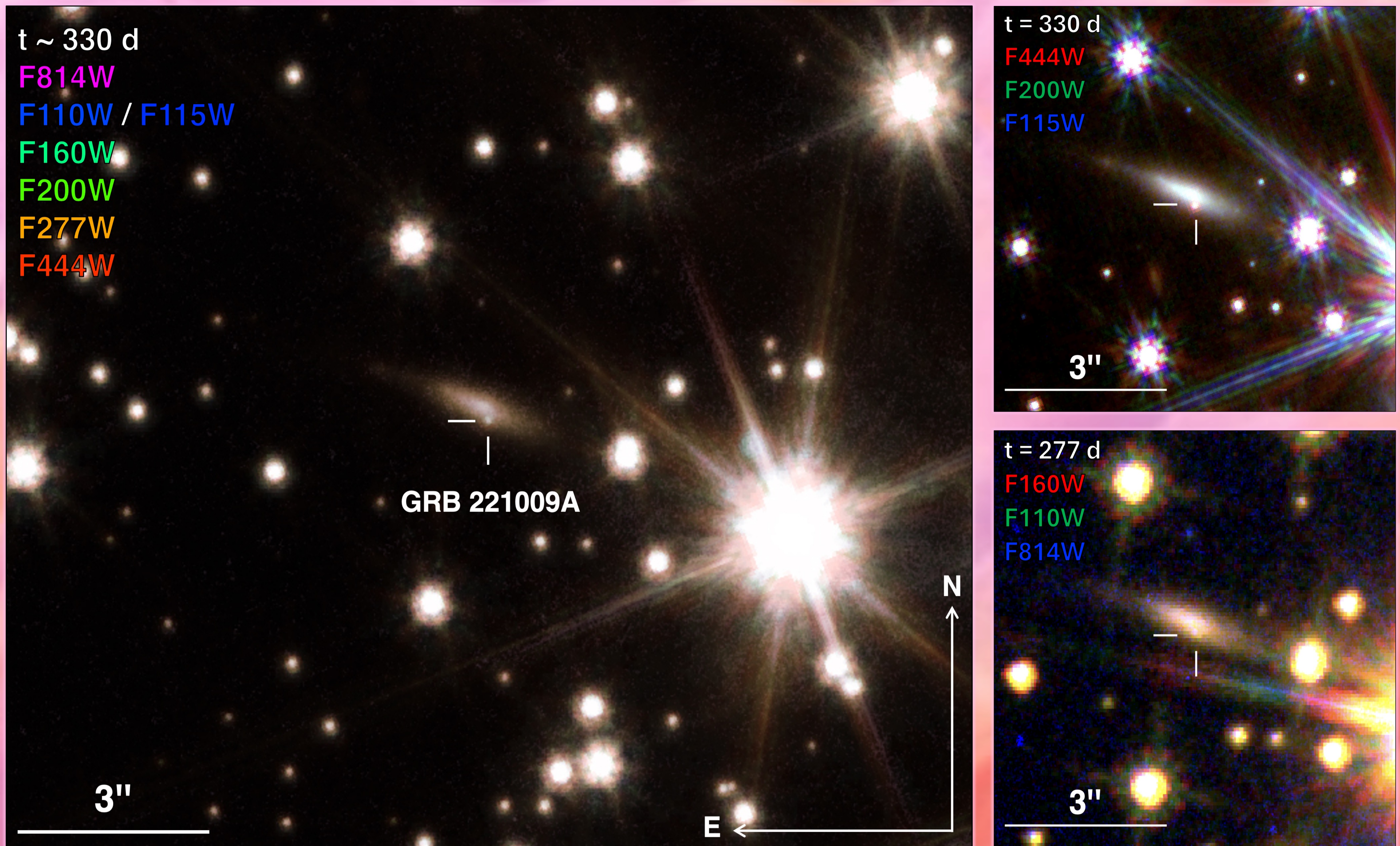


Fig. 1 in Sears+2025: The field of GRB 221009A at 330 d

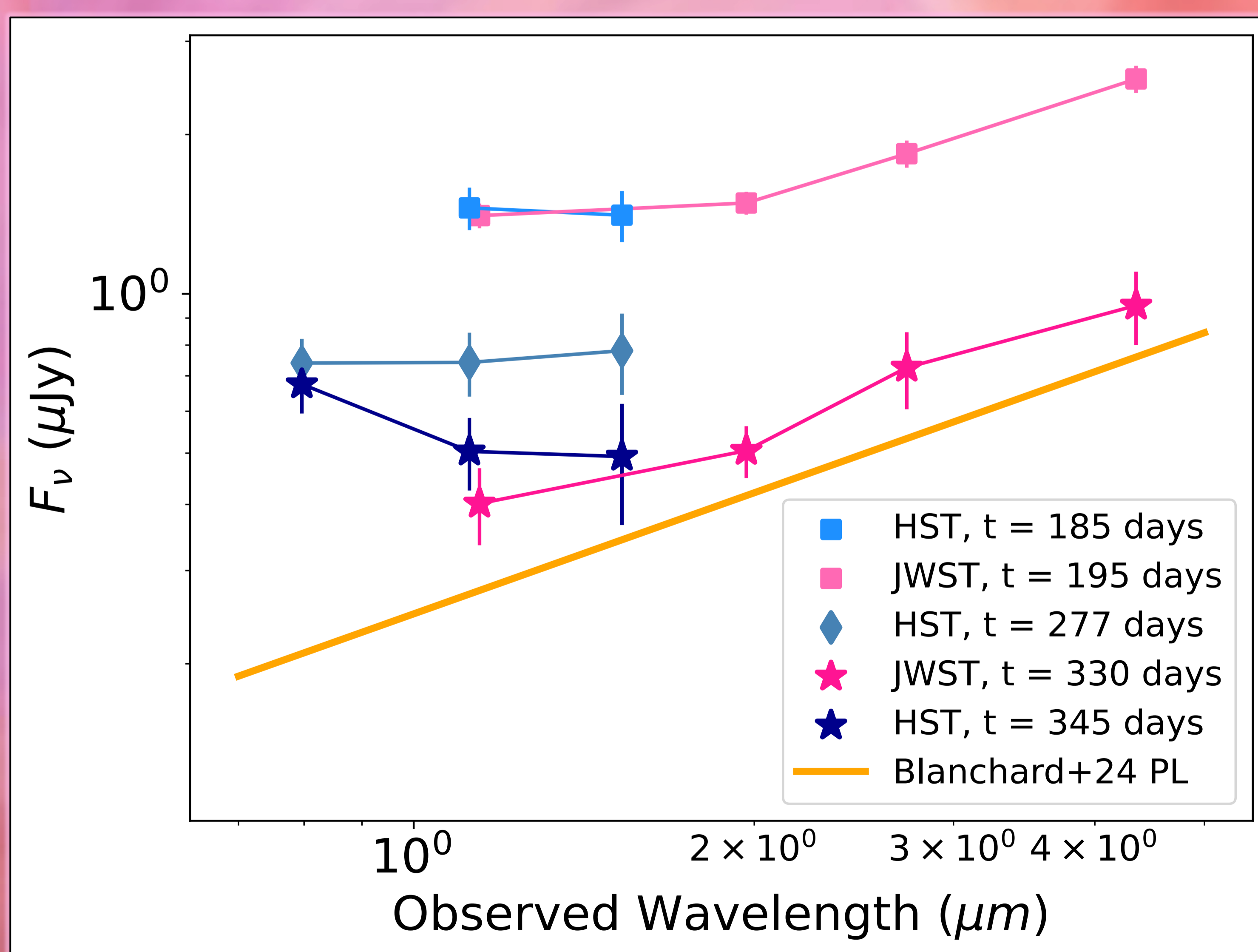


Fig. 5 in Sears+2025: SEDs of GRB 221009A to 345 d

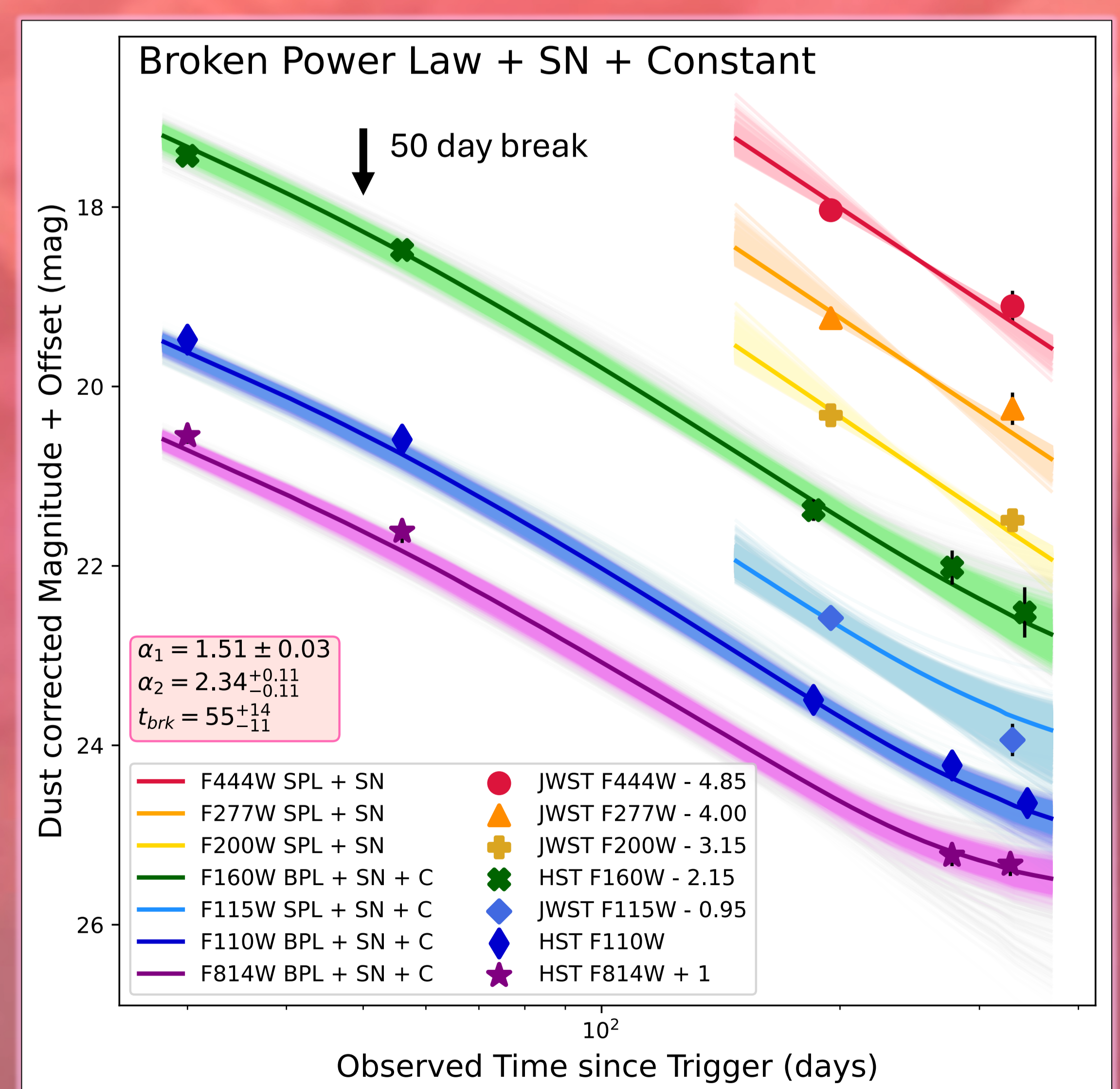


Fig. 6 in Sears+2025: Light curve of GRB 221009A

GRB 221009A shows an **optical/NIR temporal break at 50 d** and evidence for **an additional blue component**, maybe a star cluster or light echo !

