NEBEL*

NGC 1566 : Estimates of Broad Emission Lines

NGC 1566-Abstract



Composite Image

Produced by Hubble

NGC 1566 is a highly variable changing look AGN that triggered Integral and ASAS-SN in June 2018 during a flare that saw a jump of a factor of about 30 in the X-ray and by several magnitudes in the Optical We will present Cloudy models of different line emitting regions of the AGN in an attempt to explain the mechanisms behind changing look AGN.

Observations



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Swift UV and X-ray Light Curves





Cloudy: BLR Model



Cloudy: NLR Model



Cloudy: Torus Model

