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Hubblecast 125 Light: Hubble Studies High-Energy Gamma Ray Burst	Visual notes
00:00 Intro	
Gamma-ray bursts are the most powerful explosions in the Universe.	Animation A
They emit most of their energy in gamma-rays , light which is much more energetic than the visible light that we can see with our eyes.	Animation A (contd).
New observations from the NASA/ESA Hubble Space Telescope have investigated the nature of the powerful gamma-ray burst GRB 190114C by studying its environment.	Still A 
In January 2019, an extremely bright and long gamma-ray burst was detected.	Still B 

<p>This is the highest energy emitted observed to date: 1Tera electron volt - about one trillion times more energy per photon than visible light.</p>	<p>Still C</p> 
<p>Hubble's observations suggest that this particular burst displayed such powerful emission because the collapsing star was sitting in a very dense environment.</p>	<p>Animation A</p>
<p>This new observation is an important step forward in our understanding of gamma-ray bursts and their immediate surroundings.</p>	<p>Animation A (contd).</p>

Ends 00:00