



## ESA/Hubble

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Space Sparks Episode 6: Hubble Discovers Hydrogen-Burning White Dwarfs Enjoying Slow Ageing	Visual Notes
00:00-0:10	SPACESPARKS
Intro	H006
00:11-00:34	White duarfs are the slouly cooling stars which have
White dwarfs are the slowly cooling stars which have cast off their outer layers during the last	cast off their outer layers during the last stages of their lives.
stages of their lives.	They are common objects in the cosmos, roughly
They are common objects in the cosmos; roughly 98% of all the stars in the Universe will	98% of all the stars in the Universe util Utimately
ultimately end up as white dwarfs, including our own Sun.	end up as white duarfs, including our oun Sun.
00:35-00:45 Studying these cooling stages helps astronomers understand not only white dwarfs, but also their earlier stages as well.	Studying these cooling stages helps astronomers understand not only unite duarfs, but also their earlier stages as well.
00:46-00:56	The provident view of white dwarfs as inert,
The prevalent view of white dwarfs as inert, slowly cooling stars has now been <mark>challenged</mark> by	slowly cooling stars has now been challenged
observations from the NASA/ESA Hubble Space Telescope.	by observations from the NASA/ESA Hubble Space Trilescope.
00:57-01:07	An international group of astronomers have discovered
An international group of astronomers have discovered the first evidence that white dwarfs	the first evidence that uning sources can also a down their
can slow down their rate of ageing by burning hydrogen on their surface.	rate of ageing by burning hydrogen on their surface.



Total Time: 02:18