



1
00:00:00,000 --> 00:00:02,002
[music]

2
00:00:02,002 --> 00:00:08,308
Over 11 million years ago, a
star exploded in the M82 galaxy.

3
00:00:08,308 --> 00:00:14,548
2.5 years of Hubble observations
led to this movie of a supernova
explosion rippling through space.

4
00:00:14,548 --> 00:00:23,924
[music]

5
00:00:23,924 --> 00:00:30,797
Light from the explosion
reflected off nearby dust,
creating this "light echo" effect.

6
00:00:30,797 --> 00:00:33,033
[music]

7
00:00:33,033 --> 00:00:41,041
This type of supernova occurs
when material from a companion
star falls onto a white dwarf star.

8
00:00:41,041 --> 00:00:49,583
With enough pressure, the white
dwarf explodes.

9
00:00:49,583 --> 00:00:56,857
Hubble's observations are the
most detailed images yet of this
type of supernova.