



1
00:00:06,140 --> 00:00:02,690
the Large Magellanic Cloud is the

2
00:00:09,049 --> 00:00:06,150
nearest dwarf galaxy to earth if we zoom

3
00:00:12,499 --> 00:00:09,059
into it with telescopic vision myriad

4
00:00:15,340 --> 00:00:12,509
stars become visible at the heart of the

5
00:00:18,620 --> 00:00:15,350
small galaxy is the tarantula nebula

6
00:00:21,410 --> 00:00:18,630
Hubble unveils a rich tapestry of star

7
00:00:24,950 --> 00:00:21,420
birth and star destruction among its

8
00:00:28,120 --> 00:00:24,960
millions of stars at the center of the

9
00:00:29,960 --> 00:00:28,130
nebula is a glittering cluster of over

10
00:00:34,639 --> 00:00:29,970
500,000 young stars

11
00:00:38,690 --> 00:00:34,649
it's called r136 and is only two million

12
00:00:42,350 --> 00:00:38,700
years old a neighboring star cluster

13
00:00:45,920 --> 00:00:42,360

Hadj 301 is at least 20 million years

14

00:00:52,700 --> 00:00:45,930

old it contains many aging red

15

00:00:59,050 --> 00:00:55,490

the expanding wave of debris is slamming

16

00:01:01,130 --> 00:00:59,060

into gas ejected by stars in r136

17

00:01:17,070 --> 00:01:01,140

creating a ridge of star formation

18

00:01:30,720 --> 00:01:20,320

the blast wave is blowing out turbulent

19

00:01:38,190 --> 00:01:33,990

this region of 30 Doradus resembles a

20

00:01:40,260 --> 00:01:38,200

coral reef dense columns of gas several

21

00:01:44,640 --> 00:01:40,270

light years long protrude from the

22

00:01:52,969 --> 00:01:44,650

undulating gas they are incubators for

23

00:01:58,550 --> 00:01:55,850

the tarantula nebula is a unique stellar

24

00:02:00,889 --> 00:01:58,560

laboratory for observing close-up fire