



1
00:00:05,269 --> 00:00:03,050
for the Hubble Space telescope's 33rd

2
00:00:08,690 --> 00:00:05,279
anniversary we're taking a closer look

3
00:00:11,270 --> 00:00:08,700
at NGC 1333 one of the closest

4
00:00:14,390 --> 00:00:11,280
star-forming Regions to our solar system

5
00:00:18,010 --> 00:00:14,400
located a thousand light years away in

6
00:00:20,510 --> 00:00:18,020
the constellation Perseus NGC 1333

7
00:00:24,170 --> 00:00:20,520
contains the raw material for building

8
00:00:27,230 --> 00:00:24,180
new stars clouds of gas laced with dust

9
00:00:29,450 --> 00:00:27,240
reflect Starlight in some places they

10
00:00:31,310 --> 00:00:29,460
are so thick they hide the light from

11
00:00:34,430 --> 00:00:31,320
newborn Stars

12
00:00:36,830 --> 00:00:34,440
resembling the moon on a cloudy night a

13
00:00:40,369 --> 00:00:36,840

super hot star shines through filaments

14

00:00:42,709 --> 00:00:40,379

of obscuring dust in contrast the wispy

15

00:00:43,670 --> 00:00:42,719

Blue Area exhibits a thinner sheet of

16

00:00:46,310 --> 00:00:43,680

dust

17

00:00:48,529 --> 00:00:46,320

more light from the bright star peeks

18

00:00:51,470 --> 00:00:48,539

through and is scattered by fine dust

19

00:00:52,910 --> 00:00:51,480

giving this section its ethereal blue

20

00:00:55,189 --> 00:00:52,920

glow

21

00:00:57,950 --> 00:00:55,199

the most eye-catching portion is the

22

00:00:59,630 --> 00:00:57,960

Blazing Red area displaying a tangled

23

00:01:01,910 --> 00:00:59,640

mess of stars

24

00:01:04,130 --> 00:01:01,920

material flowing out from some of the

25

00:01:07,250 --> 00:01:04,140

young Stars plow into the surrounding

26

00:01:10,609 --> 00:01:07,260

gas and shock it this is a dramatic

27

00:01:12,710 --> 00:01:10,619

glimpse into what star birth looks like

28

00:01:14,929 --> 00:01:12,720

while The Bold and colorful sections

29

00:01:16,850 --> 00:01:14,939

grab attention the smallest parts of

30

00:01:18,289 --> 00:01:16,860

this image tell some of the biggest

31

00:01:20,929 --> 00:01:18,299

stories

32

00:01:22,249 --> 00:01:20,939

young Stars fire off Jets like

33

00:01:24,710 --> 00:01:22,259

skyrockets

34

00:01:27,590 --> 00:01:24,720

plow into the surrounding dark material

35

00:01:29,810 --> 00:01:27,600

like a stream from a garden hose

36

00:01:32,450 --> 00:01:29,820

the rambunctious nature of these Stars

37

00:01:35,270 --> 00:01:32,460

suggests to astronomers that they are

38

00:01:39,289 --> 00:01:35,280

likely less than one million years old

39

00:01:41,390 --> 00:01:39,299

NGC 1333 is a vibrant and dynamic region

40

00:01:43,690 --> 00:01:41,400

that offers a glimpse into the early

41

00:01:46,190 --> 00:01:43,700

stages of star and Planet formation

42

00:01:47,770 --> 00:01:46,200

providing valuable insights into the

43

00:01:50,040 --> 00:01:47,780

birth of our sun