



1
00:00:06,230 --> 00:00:02,389
this photo has been presented as

2
00:00:08,930 --> 00:00:06,240
evidence that beams of energy from space

3
00:00:11,930 --> 00:00:08,940
are starting forest fires the

4
00:00:14,870 --> 00:00:11,940
explanation given for the photo is that

5
00:00:16,250 --> 00:00:14,880
it's just a lens flare but it's not

6
00:00:18,980 --> 00:00:16,260
really a lens flare is something

7
00:00:20,599 --> 00:00:18,990
slightly different it's actually a dirty

8
00:00:24,019 --> 00:00:20,609
lens color

9
00:00:28,849 --> 00:00:24,029
let me explain where is this mysterious

10
00:00:36,850 --> 00:00:28,859
streak of light well what it actually is

11
00:00:39,830 --> 00:00:36,860
is a artifact of a smear on the lens the

12
00:00:42,110 --> 00:00:39,840
when people try to clean that camera

13
00:00:44,840 --> 00:00:42,120

lenses on a small phone like this they

14

00:00:50,000 --> 00:00:44,850

often will just use a finger and they

15

00:00:53,029 --> 00:00:50,010

will swipe across yeah you can see after

16

00:00:56,619 --> 00:00:53,039

I just swiped across the the beam change

17

00:00:59,450 --> 00:00:56,629

it's now this different beam here and

18

00:01:01,520 --> 00:00:59,460

the reason is is that when you swipe you

19

00:01:04,399 --> 00:01:01,530

leave these little streaks in this

20

00:01:06,820 --> 00:01:04,409

direction and the light kind of gets

21

00:01:09,500 --> 00:01:06,830

refracted by them and so you get this

22

00:01:13,700 --> 00:01:09,510

streak across the same thing you get on

23

00:01:15,289 --> 00:01:13,710

a windscreen when your instrument wipers

24

00:01:17,960 --> 00:01:15,299

strike across it you get these streaks

25

00:01:22,880 --> 00:01:17,970

that go along it so I can do a few

26
00:01:25,070 --> 00:01:22,890
different angles here and you know there

27
00:01:26,539 --> 00:01:25,080
are succeeded in cleaning it well how

28
00:01:29,060 --> 00:01:26,549
often happens though is people have

29
00:01:33,469 --> 00:01:29,070
slightly greasy fingers and say you get

30
00:01:37,010 --> 00:01:33,479
these streaks like this and if I did it

31
00:01:39,770 --> 00:01:37,020
up you get if I did like 45 degrees and

32
00:01:40,700 --> 00:01:39,780
get ones that are more dag and only if I

33
00:01:42,889 --> 00:01:40,710
do it straight up and down

34
00:01:45,440 --> 00:01:42,899
you'll get ones to the side so I can't

35
00:01:46,639 --> 00:01:45,450
really see it and if I do it

36
00:01:50,210 --> 00:01:46,649
horizontally

37
00:01:54,620 --> 00:01:50,220
you'll get one there's more that's it

38
00:01:56,330 --> 00:01:54,630

got it depends of course on just what

39

00:01:59,480 --> 00:01:56,340

the last streak was you can see this one

40

00:02:02,810 --> 00:01:59,490

in this direction and you know there's

41

00:02:05,149 --> 00:02:02,820

some big ones over there and then

42

00:02:08,109 --> 00:02:05,159

there's a big one going in this

43

00:02:10,510 --> 00:02:08,119

direction so these types of streaks