



1
00:00:03,590 --> 00:00:00,880

[Music]

2
00:00:05,510 --> 00:00:03,600

500 32 nanometers

3
00:00:08,030 --> 00:00:05,520

that's the wavelength of a

4
00:00:10,640 --> 00:00:08,040

bright green color the color of the laser from the

5
00:00:14,060 --> 00:00:10,650

atlas instrument that measures the elevation

6
00:00:15,770 --> 00:00:14,070

of the earth under it when it receives them

7
00:00:18,320 --> 00:00:15,780

the photons coming from the earth

8
00:00:20,660 --> 00:00:18,330

have to filter the sunlight that it is

9
00:00:23,810 --> 00:00:20,670

reflected from the planet as it could

10
00:00:26,210 --> 00:00:23,820

overwhelm the detectors so you are

11
00:00:29,960 --> 00:00:26,220

just getting in the light waves that

12
00:00:32,720 --> 00:00:29,970

measure exactly 500 32 nanometers in

13
00:00:34,940 --> 00:00:32,730

that wavelength range

14

00:00:37,750 --> 00:00:34,950

sunlight also activates the

15

00:00:40,400 --> 00:00:37,760

bile detectors so programs are needed

16

00:00:44,180 --> 00:00:40,410

computer systems to filter