



1
00:00:00,060 --> 00:00:04,070

[music]

532 nanometers. That's the

2
00:00:04,090 --> 00:00:08,140

wavelength of a bright green color, the color of the ATLAS laser

3
00:00:08,160 --> 00:00:12,200

measuring the elevation of the Earth below. When ATLAS receives the photons back

4
00:00:12,220 --> 00:00:16,350

from Earth, it has to filter out the sunlight that naturally reflects off the Earth,

5
00:00:16,370 --> 00:00:20,440

which would overwhelm the detectors. So ATLAS only lets in

6
00:00:20,460 --> 00:00:24,580

light that is exactly 532 nanometers. Sunlight in that

7
00:00:24,600 --> 00:00:28,790

wavelength range will also set off ATLAS detectors, and so computer