



PASS 1

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REFERENCE TRACK

1  
00:00:00,060 --> 00:00:04,100

[music]  
90 meters. The

2  
00:00:04,120 --> 00:00:08,150  
distance between each laser pair. In order to measure the slope

3  
00:00:08,170 --> 00:00:12,250  
across the laser's path in a single pass of the satellite, ATLAS

4  
00:00:12,270 --> 00:00:16,360  
uses three pairs of beams spaced 90 meters apart with a

5  
00:00:16,380 --> 00:00:20,570  
reference track between the beams. Then on following

6  
00:00:20,590 --> 00:00:24,760  
passes, even if the two beams are slightly upslope or downslope from

7  
00:00:24,780 --> 00:00:29,020  
where they were on the first pass, scientists can still calculate the elevation