**The Sun: Size and Rotation**

**:60 spot #2**

September 2017

Video Audio

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| Science Trek spot open (:05) | (music and animation)  60 SECONDS WITH SCIENCE TREK |
| Graphic (:04) | (THE SUN) |
| Shots of the sun  Animation showing diameter and numbers  Animation compared to Earth | THE SUN IS THE MOST PERFECTLY ROUND NATURAL OBJECT KNOWN IN THE SOLAR SYSTEM.  IT’S ALSO REALLY BIG.  IT HAS A DIAMETER OF ABOUT 1 POINT FOUR MILLION KILOMETERS OR ABOUT 870,000 MILES.  THAT’S 110 TIMES THE DIAMETER OF EARTH. |
| Animation of earths filling up a sun  Video of the sun’s outer boundaries  Shots of the sun  Shots of the sun and the Earth | IN FACT, IF THE SUN WERE HOLLOW, MORE THAN A MILLION EARTHS COULD FIT INSIDE IT.  AND THE SUN DOESN’T HAVE A DEFINITE BOUNDRY.  ITS OUTER PARTS GET LESS AND LESS DENSE AS YOU MOVE AWAY FROM ITS CENTER.  THE SUN ROTATES MORE QUICKLY AT ITS EQUATOR THAN IT DOES CLOSE TO ITS POLES  AND IT ROTATES IN THE OPPOSITE DIRECT OF EARTH.  THE SUN GOES WEST TO EAST INSTEAD OF EAST TO WEST LIKE OUR HOME PLANET. |
| Animation with Science Trek’s URL and logos of funders for the series.  (:10) | CHECK OUT THE SCIENCE TREK WEBSITE FOR MORE INFORMATION ABOUT THIS AND ALL OUR SCIENCE TOPICS FOR KIDS.  YOU’LL FIND IT AT IDAHOPTV.ORG/SCIENCE TREK |