**The Sun: Orbits**

**:60 spot #3**

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 Earth revolving around the sun  Shots of the sun rotating in the milky way (NASA animation, our animation?) | JUST LIKE THE EARTH ORBITS AROUND THE SUN, THE SUN ORBITS AROUND THE CENTER OF THE MILKY WAY GALAXY.  IT TAKES THE EARTH SLIGHTLY MORE THAN 365 DAYS TO COMPLETE ONE ORBIT OF THE SUN.  IT TAKES MORE THAN 225 MILLION YEARS FOR THE SUN TO COMPLETE ONE OF ITS ORBITS AROUND THE GALAXY.  SCIENTISTS THINK THE SUN SO FAR HAS COMPLETED ONLY ABOUT 20 ORBITS IN ITS LIFETIME. |
| Shots of the sun from the Earth  A prism splitting up the light into colors  Shots of the sun  Shots of the sun and the Earth | WE DEPICT THE SUN AS YELLOW BUT IF YOU SEE IT IN SPACE, IT WOULD LOOK WHITE.  OUR ATMOSPHERE FILTERS LIGHT SO WE SEE THE SUN AS YELLOW.  USING A PRISM, YOU CAN SEE THAT SUNLIGHT IS ACTUALLY MADE UP OF MANY COLORS.  IT CAN TAKES MILLIONS OF YEARS FOR THE ENERGY THAT BECOMES LIGHT TO MOVE FROM THE SUN’S CORE TO THE SUN’S SURFACE,  BUT IT ONLY TAKES ABOUT 8 MINUTES LIGHT TO TRAVEL FROM THE SUN’S SURFACE TO THE EARTH. |
| 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 |