



Sound and Light Captured by Mars InSight

2018-12-10

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One of the most popular websites at NASA is the Astronomy Picture of the Day. The most valuable images and detailed information in history

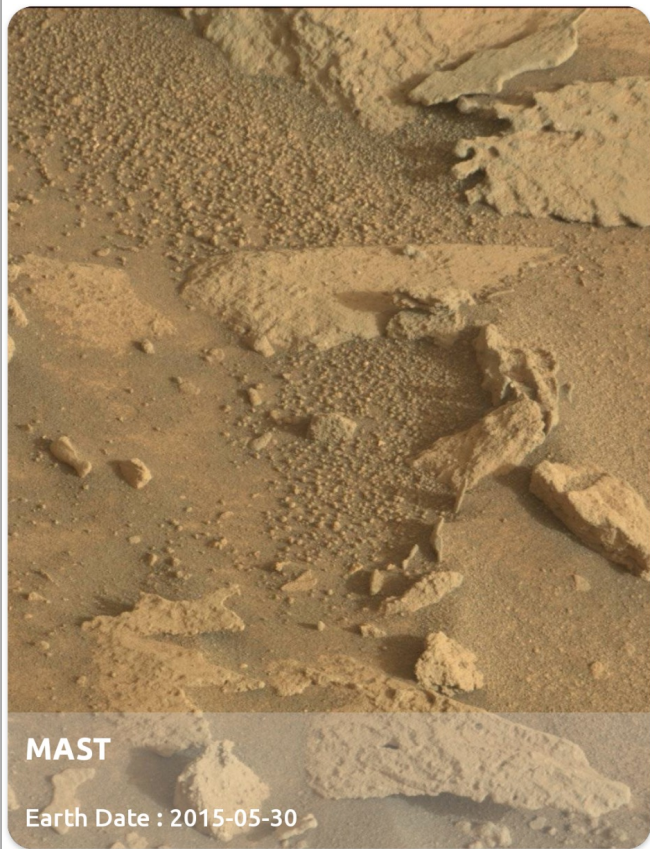


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Your arm on Mars has unusual powers. For one thing it is nearly 2 meters long, has a scoop and grapple built into its hand, and has a camera built into its forearm. For another, it will soon deploy your ear -- a sensitive seismometer that will listen for distant rumblings -- onto the surface of Mars. Your SEISmomet-ear is the orange box in the foreground, while the gray dome behind it will be its protective cover. Your arm is attached to the InSight robotic lander that touched down on Mars two weeks ago. Somewhat unexpectedly, your ear has already heard something -- slight vibrations caused by the Martian wind flowing over the solar panels. Light from the Sun is being collected by the solar panels, part of one being visible on the far right. Actually, at the present time, you have two arms operating on Mars, but they are separated by about 600 kilometers. That's because your other active arm is connected to the Curiosity rover exploring a distant crater. Taken a week ago, rusty soil and rocks are visible in the featured image beyond InSight, as well as the orange sky of Mars. Follow APOD on: Instagram, Facebook, Reddit, or Twitter



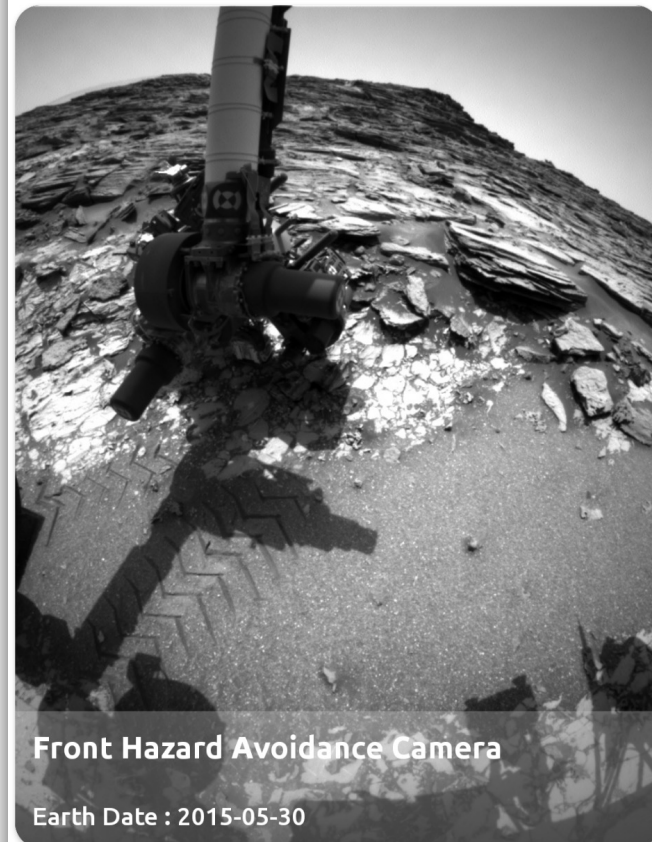


MAST

Earth Date : 2015-05-30



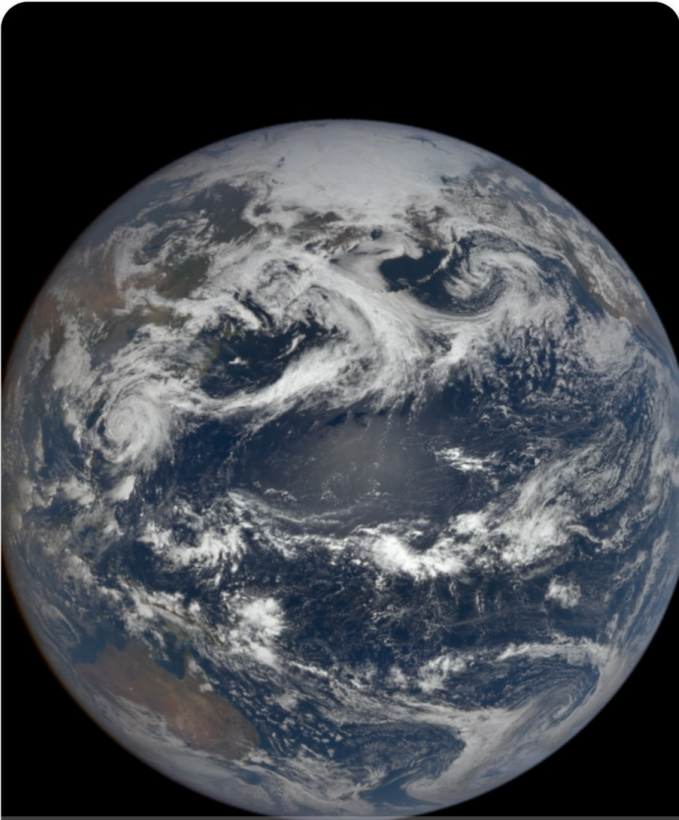
**Image data collected
on Mars by NASA's
Curiosity, Opportunity,
and Spirit rover**



Front Hazard Avoidance Camera

Earth Date : 2015-05-30





2023-06-01 00:03:42

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The EPIC API provides information on the daily imagery collected by DSCOVR's Earth Polychromatic Imaging Camera (EPIC) instrument.



2023-06-01 00:03:42

This image was taken by NASA's EPIC camera onboard the NOAA DSCOVR spacecraft

Centroid Coordinates

i [21.77 , 168.66]

Discover Position

i [735768.74 , 1251709.09 , 578385.6]

Lunar Position

i [-333744.99 , -176727.27 , -74332.38]

Sun Position

i [X = 51966662.57 ,
Y = 130736173.6 ,
Z = 56672633.77]

