Earth Science at Your Fingertips

my NASA data

FLIPBOOK

PLANT GROWTH & DECLINE

https://mynasadata.larc.nasa.gov/

NASA thinks you will "flip out" with this hands-on visualization!

NASA visualizers take data – numbers, codes – and turn them into animations people can see and quickly understand. You can become a data visualizer by creating your own flipbook animations using maps of science variables that NASA scientists commonly study to better understand the Earth System. Each frame in this flipbook shows monthly averages collected in 2016 and 2017. There are six flipbooks available for different science variables: aerosols, cloud coverage, vegetation concentrations, precipitation, incoming solar radiation, and surface temperature. Please visit our website for more information.

The processes in the Earth System take place in and between the Atmosphere, Cryosphere, Hydrosphere, Biosphere, and Geosphere, as well as include energy from the Sun. As we can see, Earth System processes are not bound by oceans, mountains, or country delineations–they are truly global in scope!

ESSENTIAL QUESTIONS:
- What do the colors in the flipbook represent?
- How does this variable change over time?
- Why do you think these changes occur?
- What is affected by these changes?

MATERIALS NEEDED:


Binder clip


Scissors


Copier Paper

INSTRUCTIONS

1 **PRINT** flipbook on cardstock.

2 **CUT** cardstock along the dotted line, making 26 frames.

3 **STACK** the 26 frames in order. The frames are numbered.

4 **CLIP** the stack of frames together, with the binder clip.

5 **FLIP** through the stack quickly. Watch and enjoy the animation.

NP-2019-10-092-LaRC

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Data acquired January 2016 - December 2017

1 CLIP HERE

my NASA data FLIPBOOK

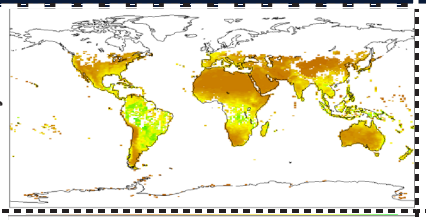
https://mynasadata.larc.nasa.gov/

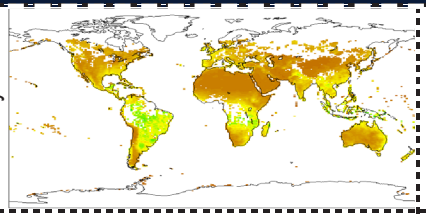
-0.5 1

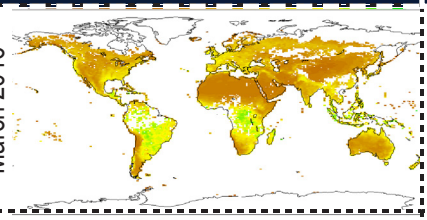
my NASA data FLIPBOOK

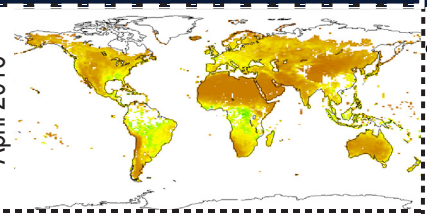
For best results, print on cardstock paper.
Color and data values may appear distorted.

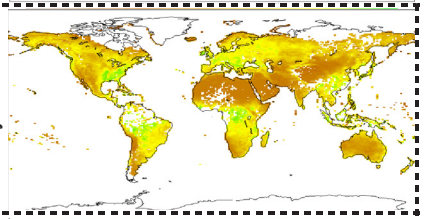
2 These dimensionless data are the "greenness" values of vegetation across Earth's landscapes. This quantity measures the health of plants on the Earth's surface, by how much near-infrared radiation is reflected at the surface. (MISR)

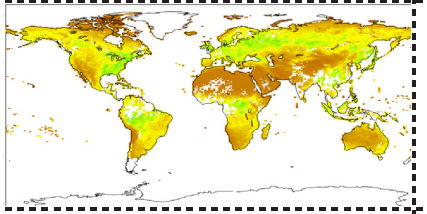
3 January 2016 

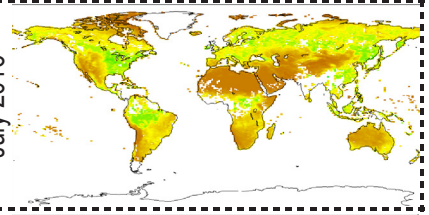
4 February 2016 

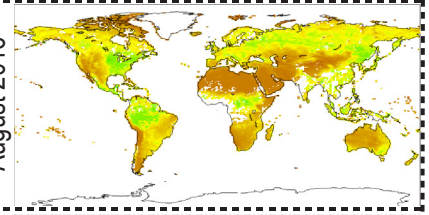
5 March 2016 

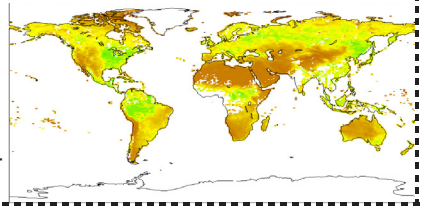
6 April 2016 

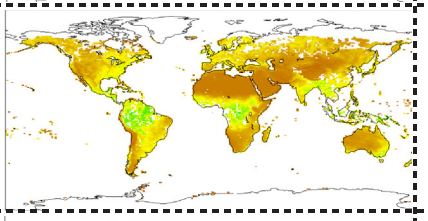
7 May 2016 

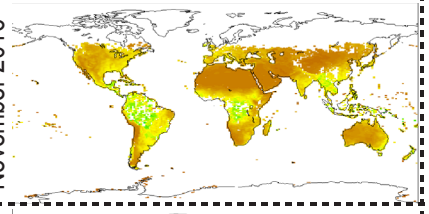
8 June 2016 

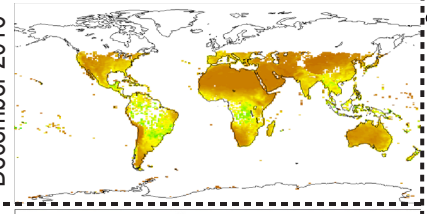
9 July 2016 

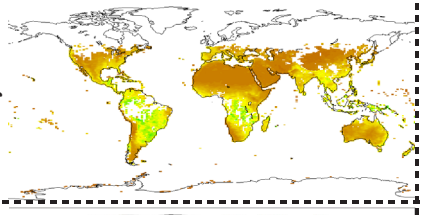
10 August 2016 

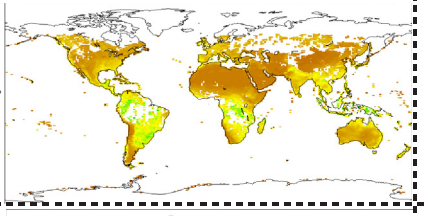
11 September 2016 

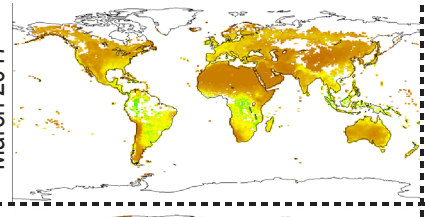
12 October 2016 

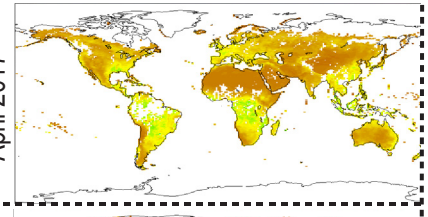
13 November 2016 

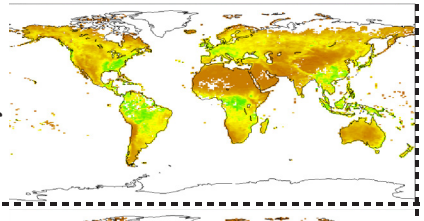
14 December 2016 

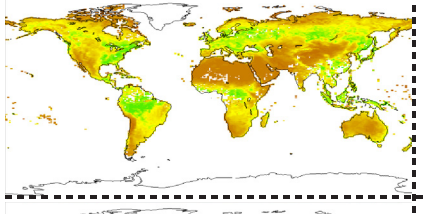
15 January 2017 

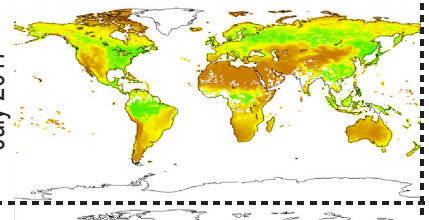
16 February 2017 

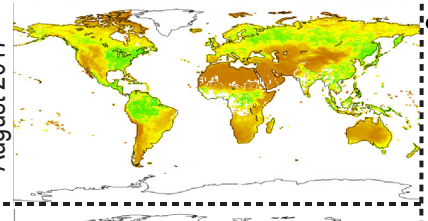
17 March 2017 

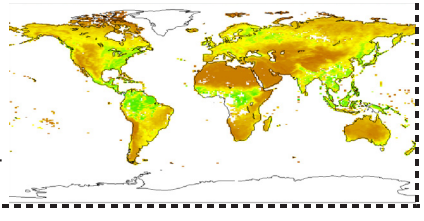
18 April 2017 

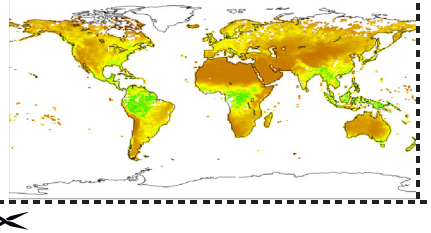
19 May 2017 

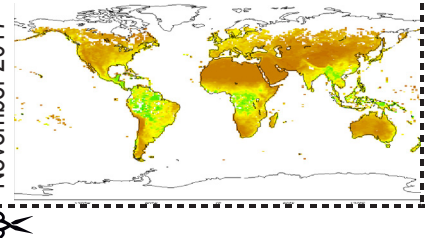
20 June 2017 

21 July 2017 

22 August 2017 

23 September 2017 

24 October 2017 

25 November 2017 

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