

Baseline

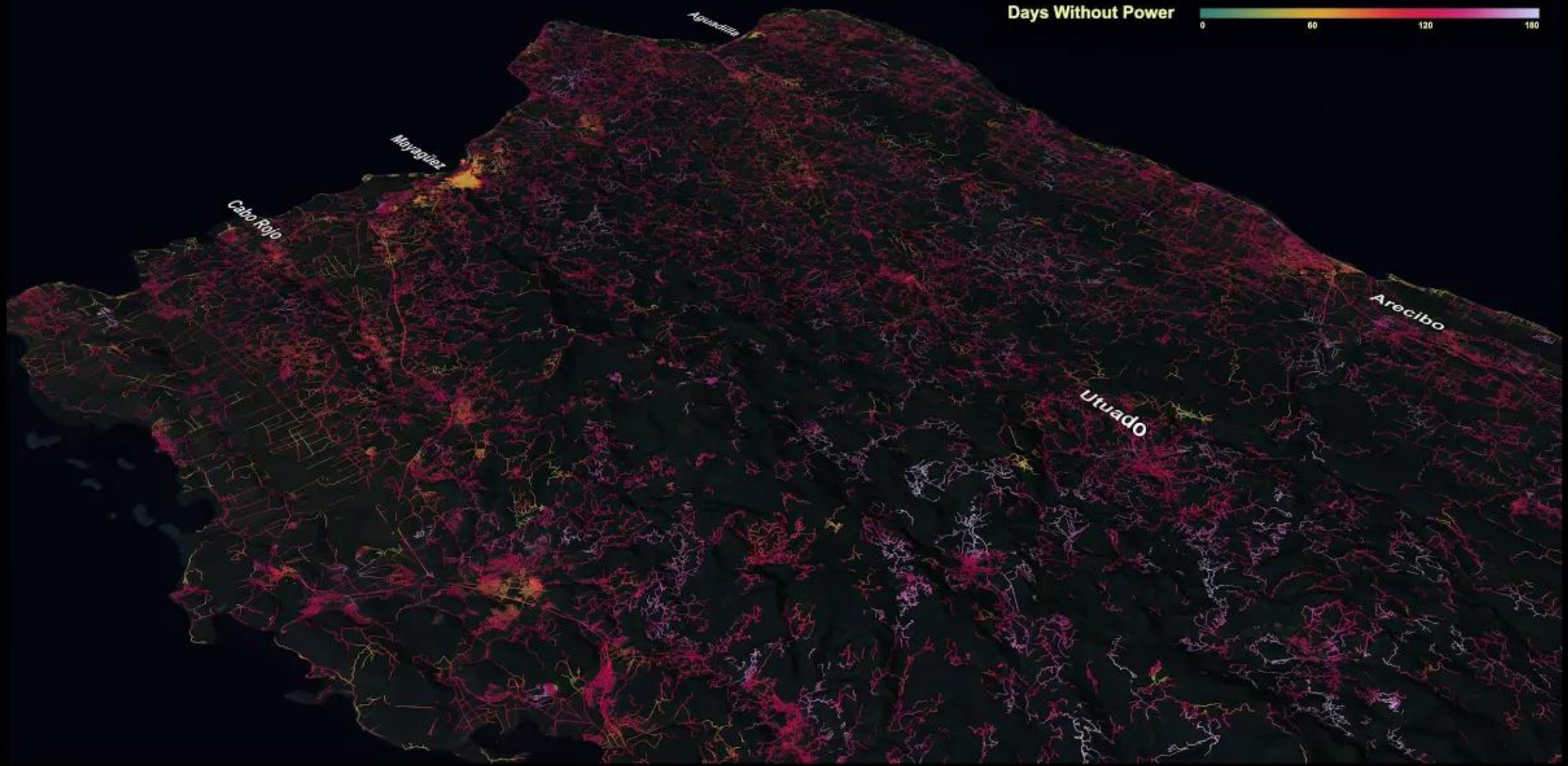
Sep 20 - Nov 20

Nov 21 - Jan 20

Jan 21 - Mar 20

Days Without Power

Nighttime Lights



1

00:00:01,390 --> 00:00:05,830

In September 2017, Category 4 storm Hurricane Maria struck Puerto Rico head-on

2

00:00:05,830 --> 00:00:09,370

The storm caused the longest electricity black-out in U.S. history

3

00:00:11,360 --> 00:00:15,830

A new NASA study mapped Puerto Rico's slow recovery using night lights satellite data

4

00:00:24,300 --> 00:00:29,310

Lights before the storm

5

00:00:32,510 --> 00:00:36,700

Lights after the storm

6

00:00:38,730 --> 00:00:42,560

Four months after the storm

7

00:00:44,480 --> 00:00:48,810

Six months after the storm

8

00:00:48,810 --> 00:00:50,980

This high-resolution imagery was created with three powerful

9

00:00:50,980 --> 00:00:54,650

data sets that monitored the absence of electricity

10

00:01:21,020 --> 00:01:23,900

41 percent of the long-duration power outages

11

00:01:23,900 --> 00:01:26,460

that occurred post-Maria happened in rural areas

12

00:01:33,840 --> 00:01:37,100

29 percent of the long-duration power outages occurred in urban areas

13

00:01:39,100 --> 00:01:42,160

Puerto Rico's energy grid directs all power to prioritized locations, like urban centers,

14

00:01:42,160 --> 00:01:44,450

rather than by proximity to the nearest power plant

15

00:01:51,790 --> 00:01:55,500

Imaging the absence of electricity from space offers a new way to visualize

16

00:01:55,500 --> 00:01:56,930

impacts to Puerto Rico's most vulnerable communities

17

00:01:56,930 --> 00:01:59,960

The next step will be to sync-up Black Marble night lights data

18

00:01:59,960 --> 00:02:01,620

with updated information on community lifelines