### Hashtags: #spacetech, #alertalert

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### Tags: Data Visualization, Platform

**Challenge Description**

Although a typical clear night sky may seem relaxing, in reality it is always restless. Various phenomena are taking place unexpectedly around the clock in every part of the sky. News and information on these cosmic surprises are not announced in one place.

Your challenge is to create a central place for information and visualizations of these sky phenomena. Brainstorm ways to follow the event in real time from the ground (keeping in mind that an event’s visibility could change depending on local weather and time of day). Once the event is announced, how does the news spread around the world? How can we make these astrophysical trends and events more visible?

**Background**

Participants need to be able to build a website, displaying information about the event, and the weather, and know how to fetch information from other websites containing that info.

**Solution Ideas**

Here are some ways for you to frame this solution:

1. Create a central place for information and visualizations of sky phenomena

2. Build an easy accessible and attractive website that displays information about a sky event, and include data about items like the weather and the methods for retrieving related information

3. Provide a subscription and notification capability to inform interested parties of sky events.

**Sample Resources**

* [http://www.astronomerstelegram.org](http://www.astronomerstelegram.org/)
* <http://gcn.gsfc.nasa.gov/gcn3_archive.html>
* <http://www.cbat.eps.harvard.edu/lists/RecentSupernovae.html>
* <http://en.wikipedia.org/wiki/VOEvent>
* <http://wiki.ivoa.net/>