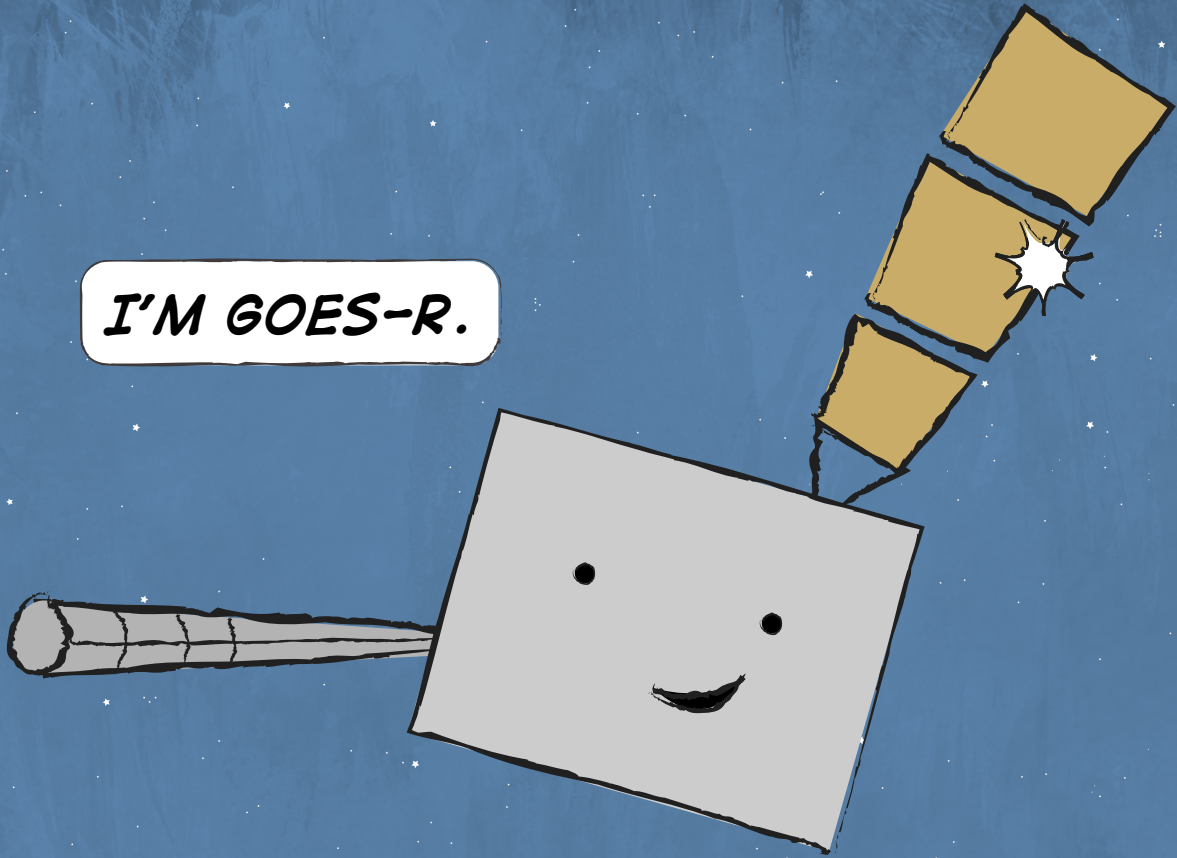
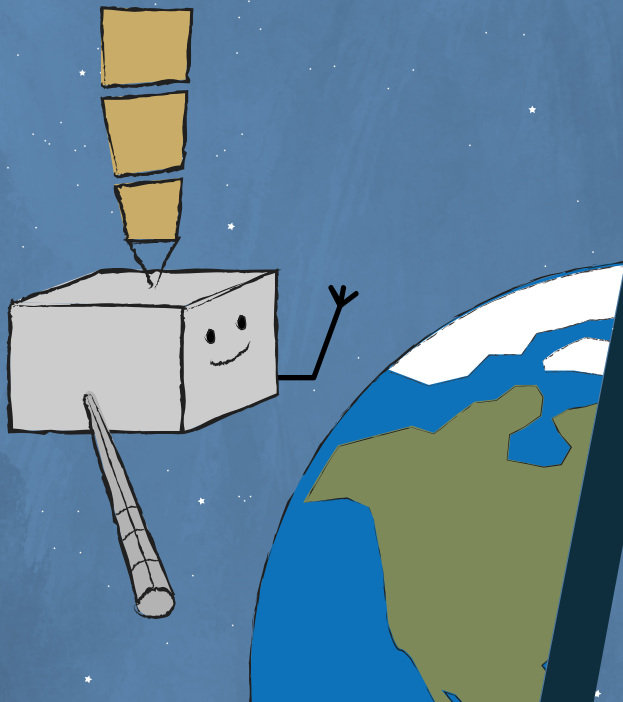


*MEET THE
GEOSTATIONARY OPERATIONAL
ENVIRONMENTAL SATELLITE - R SERIES*

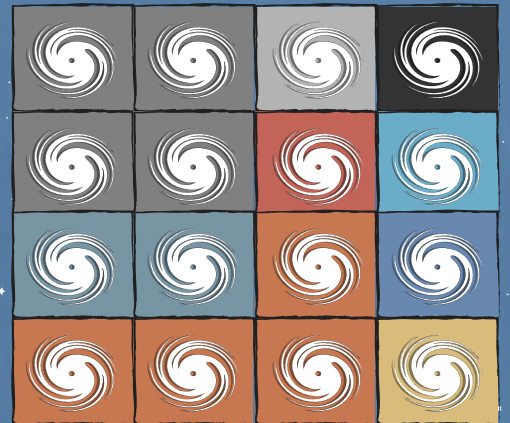
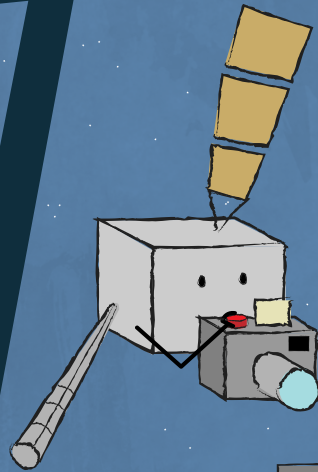
I'M GOES-R.




I'M A NEW, HIGH-TECH SATELLITE THAT WILL BE ORBITING 22,000 MILES ABOVE EARTH.

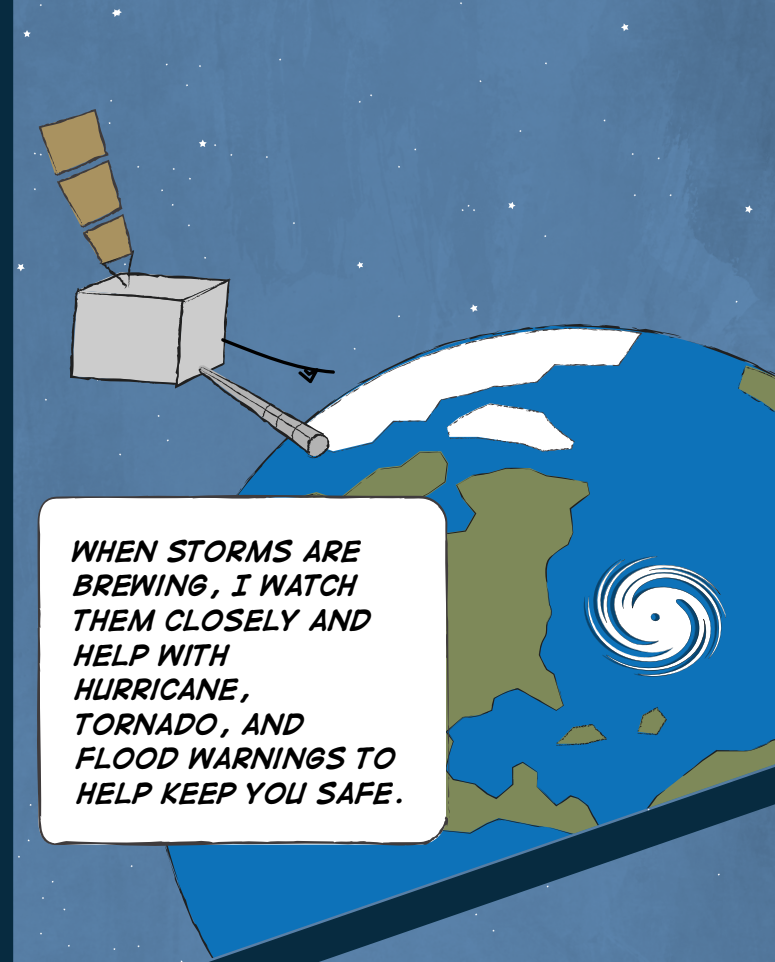


I CAN SEE A LOT OF COOL STUFF FROM UP HERE, AND I TAKE PICTURES OF IT WITH MY SPIFFY CAMERA THAT HAS 16 DIFFERENT SETTINGS.

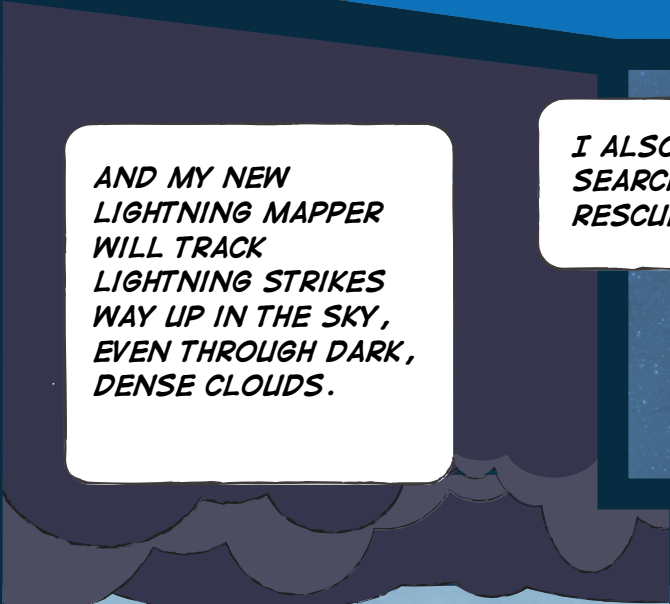




I HAVE SUCH GOOD EYESIGHT, I CAN SEE CLOUDS, SNOW, SMOKE, SMOG, AND ASH, SO I CAN WARN YOU ABOUT DANGEROUS CONDITIONS AND HELP YOU AVOID THEM.



WHEN STORMS ARE BREWING, I WATCH THEM CLOSELY AND HELP WITH HURRICANE, TORNADO, AND FLOOD WARNINGS TO HELP KEEP YOU SAFE.



AND MY NEW LIGHTNING MAPPER WILL TRACK LIGHTNING STRIKES WAY UP IN THE SKY, EVEN THROUGH DARK, DENSE CLOUDS.

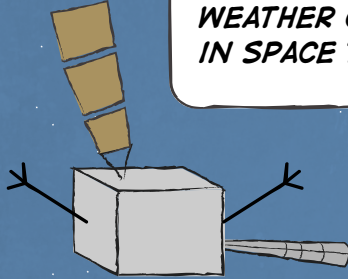


I ALSO HELP WITH SEARCH AND RESCUE MISSIONS.

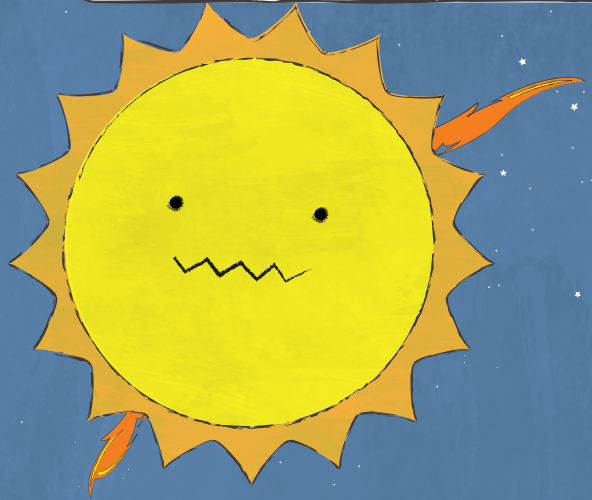


I LISTEN FOR DISTRESS SIGNALS FROM EMERGENCY BEACONS AND TELL SEARCH AND RESCUE TEAMS JUST WHERE TO FIND PEOPLE WHO NEED HELP.

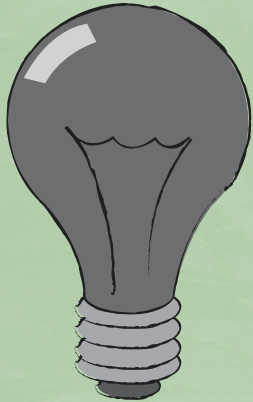
BUT EVEN WHEN I'M KEEPING A CLOSE EYE ON THE EARTH, I'M MONITORING WEATHER OUT HERE IN SPACE TOO.



I WATCH THE SUN FOR BIG BURSTS OF ENERGY, WHICH SEND WAVES OF RADIATION TOWARD EARTH THAT CAN

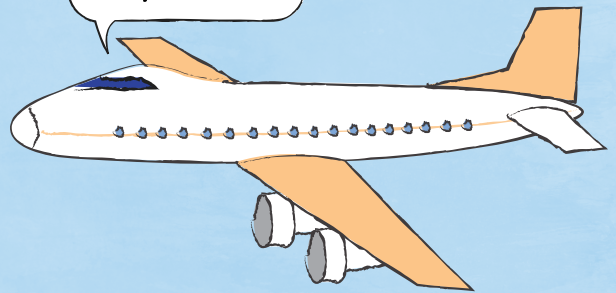


AFFECT POWER GRIDS,

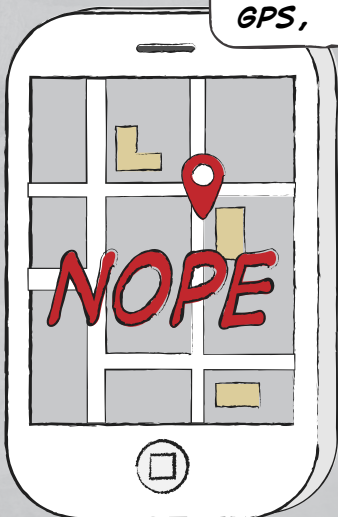


BLOCK COMMUNICATION WITH PLANES,

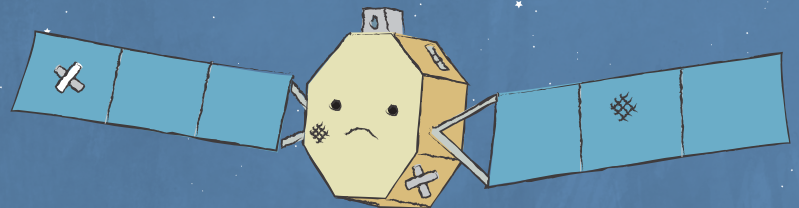
UM, HELLO?



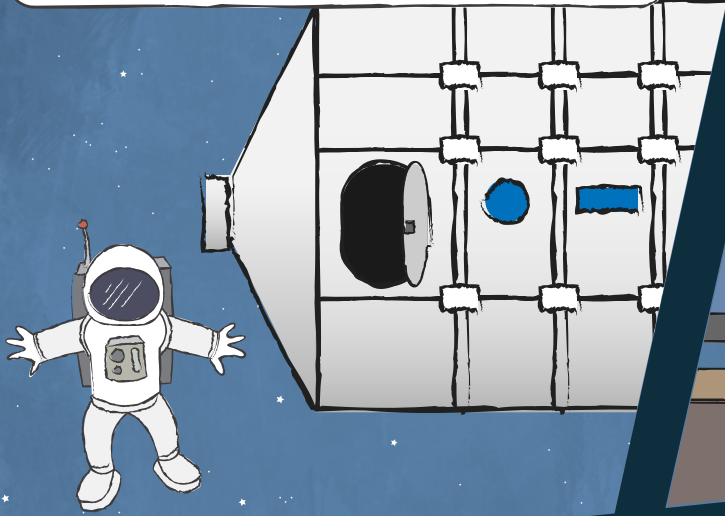
CAUSE ERRORS IN GPS,



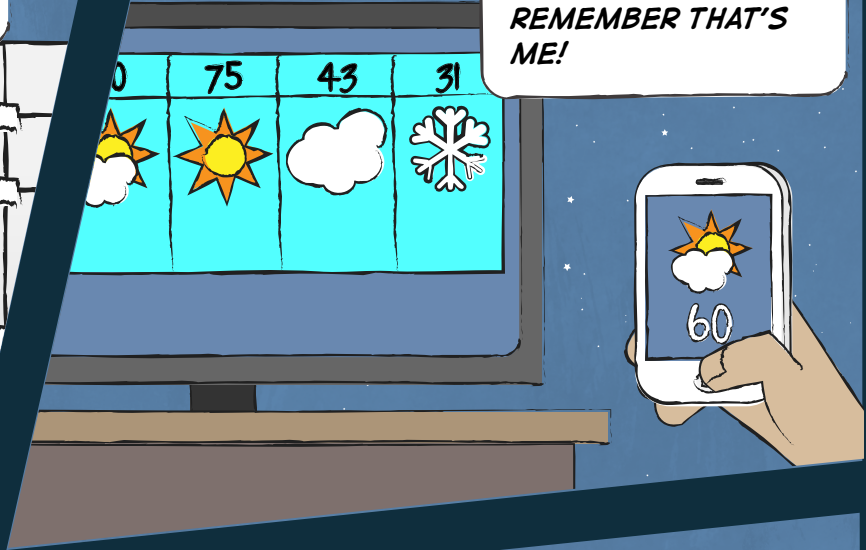
AND DAMAGE SATELLITES.



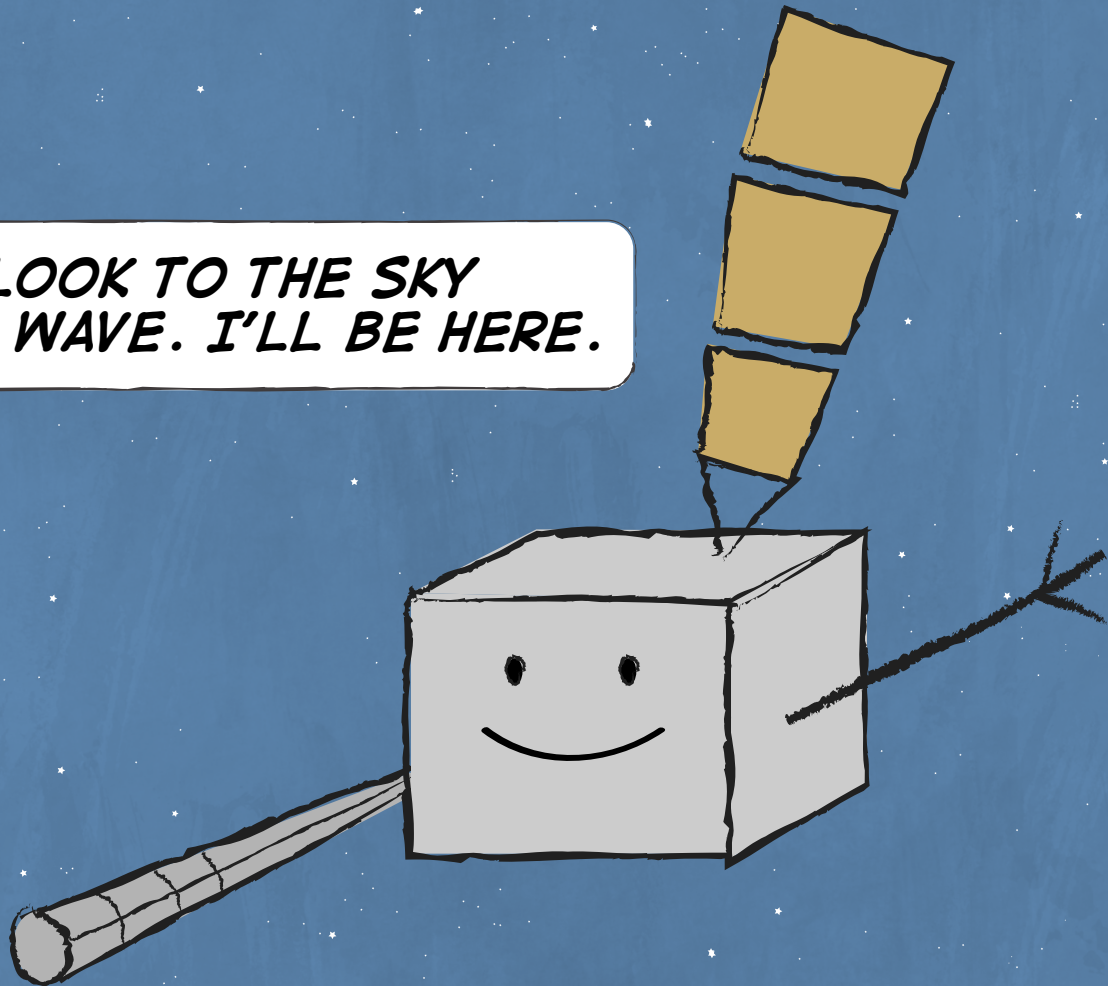
SPACE WEATHER IS ALSO VERY DANGEROUS FOR ASTRONAUTS WORKING OUTSIDE THE INTERNATIONAL SPACE STATION. I WARN THEM SO THEY CAN GET INSIDE WHERE THEY'LL BE SAFE.



SO THE NEXT TIME YOU WATCH A WEATHER REPORT OR CHECK YOUR PHONE FOR THE FORECAST, REMEMBER THAT'S ME!



SO LOOK TO THE SKY AND WAVE. I'LL BE HERE.





FOR MORE INFORMATION, VISIT THE GOES-R WEBSITE AT WWW.GOES-R.GOV.

FOR INFORMATION FOR STUDENTS, VISIT THE NOAA SCIJINKS WEBSITE AT SCIJINKS.GOV.



GOES-R FACEBOOK: WWW.FACEBOOK.COM/GOESRSATELLITE



NOAA SATELLITES FACEBOOK: WWW.FACEBOOK.COM/NOAANESDIS



NOAA SATELLITES TWITTER: WWW.TWITTER.COM/NOAASATELLITES



NOAA SATELLITES YOUTUBE: WWW.YOUTUBE.COM/USER/NOAASATELLITES



NOAA SATELLITES FLICKR: WWW.FLICKR.COM/NOAASATELLITES



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SCIJINKS TWITTER: WWW.TWITTER.COM/SCIJINKS

