HURRICANE LANDFALL PROJECT

BY HURRICANETRACK

HURRICANE MICHAEL
MEXICO BEACH, FL (2018)

The Hurricane Landfall Project (HLP) began in 2004 with the objective of capturing data, using both video and meteorological recording equipment, to better understand the impacts of tropical storms and hurricanes.

Our project utilizes remotely operated camera systems that stream and record live video from practically any location. In addition, GoPro cameras are placed in select locations to capture stunning 4K video recordings during the most extreme weather imaginable.

Over the years, the cameras have captured remarkable impacts such as storm surge, extreme wind and historic flood events. In fact, in 2018, during category five Hurricane Michael, **our cameras in Mexico Beach, Florida** streamed live video while also recording on to a GoPro camera. The result was an unprecedented look at how hurricanes inflict the damage that they do.

HURRICANE SALLY
DAUPHIN ISLAND, AL (2020)

HURRICANE CRISTOBAL
PASS CHRISTIAN, MS (2020)

The live cam feeds are often utilized by local, state and federal agencies from local emergency management, law enforcement, NWS offices and even the National Hurricane Center in Miami, Florida.

Our field team works to deploy the equipment well ahead of the projected landfall with the goal of capturing as many impacts as possible. The cameras typically operate for 80 hours and are fully self-contained within **yellow Pelican Cases**.

Working with locals in the affected area, as well as making contact with local law enforcement and emergency management agencies, our team places the cameras strategically with the goal of capturing the expected impacts of the event while not putting any persons in harm's way. The cameras replace the people!

The project also aims to capture high-end wind and pressure data using state-of-the-art scientific equipment that is designed to withstand the extreme winds of a hurricane. The data streams live back to our servers where it is displayed on our interactive map; updating in near-real time.

HURRICANE DELTA
GRAND CHENIER, LA (2020)

Everything is 100% supported through crowdfunding via Patreon. This means that it is the public who funds what we do for the benefit of the greater good. In fact, all of the equipment that we use was donated by our supporters - a truly remarkable testament to the power of social media and crowdfunding.

We never charge a fee for government agencies to access our live feeds and weather data. We do, however, ask that the general public join our Patreon to help support the project via a monthly pledge ranging from $10 to $100 depending upon the support level that is chosen.

So, if you happen to see a yellow Pelican Case that looks like it has a cam inside, it's most likely ours. **Our weather stations**, like the one pictured in Hurricane Sally (2020), are also easily identifiable and are usually mounted on the Jersey Wall of bridges or overpasses. All of our equipment is labeled with a note explaining what it is and who to contact. We typically recover the equipment within a few days, sometimes longer depending on the hurricane's severity.