REAL INSIGHTS by INDATECH

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GET REAL WITH DATA

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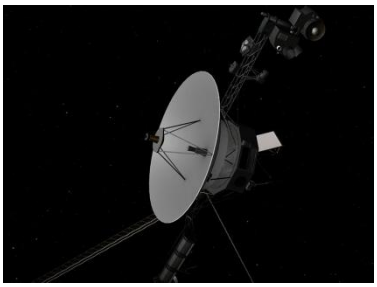
What do telescopes have to do with insurance data?

You may have recently read some updates on Voyager 1, NASA's deep-space probe, which is the farthest spacecraft from our planet, currently exploring space 15.8 billion miles away.



November 15 of this year, Voyager will reach a historic milestone, as it will officially be 1 light-day away from Earth. That's the distance light travels in one day.

This pales in comparison to the distance of far-away stars and galaxies we see in the sky every night at distances of thousands and millions or light-years away. Yes, light-years not light-days.

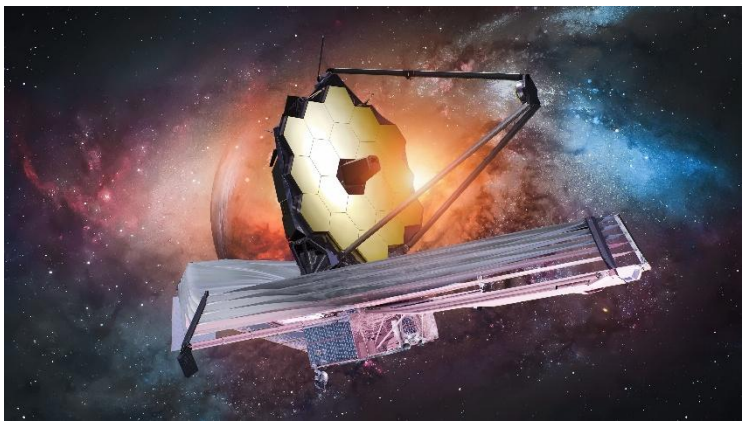
Looking at objects that are light-years away is our version of a time-machine. When we look at a star that is that far away, we're seeing it the way it was a million years ago, and it may not even exist in its current form today, possibly having gone through a supernova explosion and collapsed into a black hole. But we still instantly see it as it was, not what it is today.

Wouldn't it be great to have instant access to historical data. About anything. Not just the stars. A quick look up and you see instant history.

Our eyes do have restrictions, and the atmosphere and artificial lights that surround us obstruct our ability to see further back in time. Or deeper in space. So, in 1990 the Hubble Telescope was launched to orbit the planet outside our atmosphere, away from the artificial lights on Earth, and have the ability to see much further out into space, thus further back in time.

Hubble was a great step in our exploration of deep space and looking back in time, but the technology still had limitations.

Then came the James Webb Space Telescope (JWST), launched on Christmas Day 2021. Equipped with new technology, this joint international effort led by NASA, the European Space Agency and the Canadian Space Agency, was launched further into space to orbit the Sun, not the Earth.



The goal was to get a step closer to "First Light", the origins of the universe.

In 2022, Webb returned impressive images of galaxies as far away as 13.8 billion light-years. Taking us closer to the origins of the universe estimated to be about 14 billion years old.

Partners and technology for better historical data

With the need for more complete and accurate historical data being greater than ever, what's your strategy?

The Eyeball Solution. Your existing low-cost option will get you some history but will be subject to significant limitations from both the technology and obstructions.

The Hubble Solution. With significant investment, you can remove the obstructions and get a deeper look at the data.

The Webb Solution. If you're willing to work with partners and invest in better technology, you can get closer to "First Light", the ultimate source of historical data.

Much like the Universe, data can be thought of as infinite, so you may never get all the way there, but with the right technology and partners you can get closer.

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