[Music]

we all live here we want to know what's happening and why it's happening the way that it is space offers us a bird's-eye view of our planet satellites

that we have today are so much more advanced it's like living in science fiction when you think about it
today we can do everything from that big picture of you to zooming down in a small location well the earth is a system everything is connected the
atmosphere the oceans the air all of

that has to work together so there is

always a balance you know it exists

around Earth and we can measure we can

see it

sometimes we think of the polar regions

in these remote places disconnected from

us and nothing could be further from the

truth changes in the sea ice cover

change how our atmosphere works changes

our weather all over the planet but

especially here in North America

and changes in the land ice the glaciers
of the Arctic and of Greenland and of Antarctica they change our local sea levels and one of the best ways to study those is by satellite because you're trying to cover continental scale areas if an impending storm is coming in we know that usually days in advance and so these early warning systems and observations all come from massive technologies that been launched to space we can from a space see how the earth is changing we have used from Nevada in how Las Vegas has impacted the area around through the years and how the sprawl has
taken over the desert so it is just an

amazing way to see rapid progression of

those images and how their landscape

changes because of human action here it

is this little blue marble that's really

a spaceship and all of us are on it and

everybody you've ever known and

everybody you care about is down on that

little planet and then you extrapolate

that and go WOW every human existence

there's ever happened at all time is

down on this little thing that I went

around in 90 minutes and also the oceans

very finite and that the more people

that see our planet from that vantage
point the better we'll be to each other

and maybe to our whole planet Earth is

the only planet that we know that hosts

life

therefore we absolutely must protect it

and NASA is the agency that can

understand what's what's causing the

changes to the earth in a way that can

inform policymakers so they can make

good decisions first and foremost we

have to understand the planet that we

are we live in and try to preserve it

for a few generations

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