



JIM GREEN
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00:00:00,320 --> 00:00:04,980
Hi, I'm Jim Green, Director of Planetary
Science at NASA.

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NASA works with the international science
community to explore our solar system and

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beyond.

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We look to unravel the mysteries that intrigue
us all as we explore and answer big questions,

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00:00:17,340 --> 00:00:18,590
like:

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How did Earth originate and change over time,
and how did the solar system begin and evolve,

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00:00:25,090 --> 00:00:26,780
and what will be its destiny.

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00:00:26,780 --> 00:00:28,980
What will be our destiny?

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Last July 14th, NASA's New Horizons spacecraft
flew past Pluto, capping a half century of

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exploration of our solar system.

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It piqued our interest about what lies beyond
Pluto, and what can we learn about the origins

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of the solar system.

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The idea of a new planet is certainly an exciting one for me as a planetary scientist and I

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think for all of us.

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The January 20th paper in the Astronomical Journal is fueling our interest in planetary

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exploration and stimulating a healthy debate that's part of the scientific process.

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I couldn't be more please about what's happening.

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It's the start of a process that could lead to an exciting result.

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It is not, however, the detection of a new planet.

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It's too early to say with certainty there's a so-called Planet X out there.

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What we're seeing is an early prediction based on modeling from limited observations.

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What's exciting is that, like NASA's journey to Mars or New Horizons' flyby of Pluto,

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you will have a front row seat to see how the scientific process unfolds.

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Theories like this serve to stimulate ideas and conversation.

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They tap into our innate curiosity.

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It's important for us to continue the work, and we will.

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Anytime we have an interesting idea like this, we always apply Carl Sagan's rules for critical

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thinking, which include independent confirmation of the facts, looking for alternate explanations,

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and encouraging scientific debate.

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If Planet X is out there, we'll find it together.