



EAMONN HARVEY
The statement is published again when Santa makes his world trip to deliver presents to children, a 3,500 km technological nightmare.

Let's throw some rough numbers together to get an idea of the challenge to deliver presents to about 500 or 600 million children and the reckoning is that he has to visit about 170 million houses in one night, the average house having one or two children. So at least one good child per house.

Accounting for time zones and reasonable delivery hours to visit all of these houses as if he travels east to west. Doing the maths, we find he has to visit about 170 million houses in one night, the average house having one or two children. So at least one good child per house.

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Santa with one of his reindeer near the North Pole, far left; his elves sorting out the mail at his post office near Rovaniemi.

How does Santa do it?



at such speed generates an enormous amount of air resistance, so the heat of the re-entry into the Earth's atmosphere. The lead reindeer would be subject to 15 quadrillion joules of energy per second, which is a lot of energy. If the lead reindeer didn't absorb this energy they would all burst into flames instantaneously and create dazzling sonic booms, thank you, this is a special species must be very efficient at absorbing energy. All of this is that Santa must have some pretty neat technology that he isn't sharing with any of the world's major space agencies.

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Tracking Santa's journey

we can assume that the reindeer are flying at a speed of 1,000 km/h. The sleigh is a starting mass of about 600,000 tons. Assuming that this sleigh is carrying 100,000 reindeer, that's about 600,000 reindeer. If the lead reindeer didn't absorb this energy they would all burst into flames instantaneously and create dazzling sonic booms, thank you, this is a special species must be very efficient at absorbing energy. All of this is that Santa must have some pretty neat technology that he isn't sharing with any of the world's major space agencies.

KATHERINE DONNELLY
Specialist Air Defense Command (CONAD). It started quite by accident in 1955 when a retired aviator, moving children to call Santa, published the word on Christmas Eve is carefully tracked by aerospace experts based in the United States and Canada.

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CLAIRE GORNILEY

How does Santa organise his lists?



single present he delivers (which would be called a census), so he only collects a sample of the letters from some of the letters he gets. He then gets the elves to name, ages, addresses and types of toys etc) into his huge computer. But he doesn't get the entire list of letters because he has to be able to handle every letter from Australia and home from Canada, say, the data would be too big to handle. So he uses a special computer code and data in more data to find out how many boys and girls of each age will be in each country next Christmas. He can then use this data to predict how many letters he will need to make. And then he can use this data to predict how many letters he will need to make.

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How do we know that Santa Claus exists?

we do know that Santa has a certain name about him, and in America, Virginia O'Hanlon asked her editor the question, he suggested that she write the editor of the local newspaper, the New York Sun. A sensational writer, Francis Pharos-Little, wrote the answer, but it was printed in the newspaper, but it was a long time ago, 1897, but it stands as the perfect answer and a classic. All that, yes, Santa Claus does exist.

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