
Subject: What Does NASA Bring To The Table?
Posted by [Azuri](#) on Mon, 29 Apr 2019 11:04:18 GMT
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NASA has made instruments that can actually record the sounds of deep space from deep space. With their amount of knowledge of sound-waves and how to manipulate them, how much do you think they can influence music technology down here?

Subject: Re: What Does NASA Bring To The Table?
Posted by [Rusty](#) on Mon, 29 Apr 2019 14:49:18 GMT
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I wonder what part of the spectrum they accomplish getting sound waves from? Since sound doesn't travel in a vacuum. They have a long history though of contributing to technological advancement.

Subject: Re: What Does NASA Bring To The Table?
Posted by [Azuri](#) on Sun, 05 May 2019 20:29:52 GMT
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It seems that while their instruments can record the sound, humans cannot hear them. Think "Dog Whistle". The frequency is that low. How sound can "live" through a vacuum though is another question.

Subject: Re: What Does NASA Bring To The Table?
Posted by [Rusty](#) on Mon, 06 May 2019 14:32:44 GMT
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I looked it up. They are converting radio waves into the audible part of the spectrum. There are no molecules close enough in space to transmit any sound, low, high or anything in between. I saw on a show a former astronaut explain the lack of sound in space by stating an obvious reason, the sun, there are massive explosions occurring all the time, that if there were sound transmitted through space, we'd be bombarded with intolerable noise. I have a gripe always with movies and television shows adding space noise, under the premise I guess that the public just expects noise from kinetic occurrences. The only movie I know that got it right was the classic Kubrick's, Space Odyssey.

Subject: Re: What Does NASA Bring To The Table?
Posted by [Newjack](#) on Sun, 12 May 2019 08:15:07 GMT
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Rusty wrote on Mon, 06 May 2019 09:32I saw on a show a former astronaut explain the lack of sound in space by stating an obvious reason, the sun, there are massive explosions occurring all the time, that if there were sound transmitted through space, we'd be bombarded with intolerable noise.

Very interesting point! I have never considered that before. You learn something new every day. I find space fascinating, as I'm sure many people do. If only I was smarter, I would have gone into a related field for my career. :lol:

Subject: Re: What Does NASA Bring To The Table?
Posted by [Kingfish](#) on Tue, 01 Oct 2019 04:07:50 GMT

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If NASA needs the money, they might be selling the technology to the military so it could be weaponized.

They say the military gets all the cool toys first.

Subject: Re: What Does NASA Bring To The Table?
Posted by [Miami](#) on Mon, 25 May 2020 01:53:17 GMT

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Newjack wrote on Sun, 12 May 2019 03:15Rusty wrote on Mon, 06 May 2019 09:32I saw on a show a former astronaut explain the lack of sound in space by stating an obvious reason, the sun, there are massive explosions occurring all the time, that if there were sound transmitted through space, we'd be bombarded with intolerable noise.

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I got into a related field when I was a teenager. The benefits were outstanding, but it pay for crap. I was an intern in a way. :lol:

But yeah, the subject of sound in space is a fascinating one.

Subject: Re: What Does NASA Bring To The Table?
Posted by [Concorde](#) on Mon, 16 Nov 2020 02:11:24 GMT

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Azuri wrote on Mon, 29 April 2019 06:04.....how much do you think they can influence music technology down here?

I'm thinking sound buffers. If they know how to get sound from a soundless environment, maybe they can engineer more soundproofing materials. There has to be a connection there somewhere.

Subject: Re: What Does NASA Bring To The Table?
Posted by [Airforce 3](#) on Sun, 29 Nov 2020 09:40:15 GMT
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You mean reverse engineering the fluctuations of sound waves? It's an interesting idea, for sure, and may actually work. I'm trying to wrap my head around exactly HOW it would work for sound insulation purposes, but it just seems like it would.

Subject: Re: What Does NASA Bring To The Table?
Posted by [Silver](#) on Wed, 02 Dec 2020 02:36:56 GMT
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Airforce 3 wrote on Sun, 29 November 2020 03:40You mean reverse engineering the fluctuations of sound waves? I'm trying to wrap my head around exactly HOW it would work for sound insulation purposes

Try wrapping your head around the process in general and you'll bend your mind. This is some serious physics right here. That's why they get paid the big bucks I suppose.
