with Waco Independent School District

this is Mission Control Houston please

call station for a voice check station

this is all of us here with the students

how do you hear me I have you loud and clear

well good morning and we're ready with our food coming up I'm really sorry I there's a lot of echoing and I cannot hear what the question is pretty

question my question for you is why did you choose to be an astronaut

why did I choose to be an astronaut well I was probably about your age I think
you're in the third grade I think I was
in the fourth grade and I watched the
first guys walk on the moon and I
thought wow cool job later in life they
when I graduated from high school they
picked the first female astronauts and I
still was dreaming of being an astronaut
bin so that's what I decided to try and
do
we can get really close hi Peggy my name
is Damian Garza and my question for you
is what does your family think about
what you do well I hope they're proud of
me I'm not sure but I think they
like what I do and are interested in

what I do that my parents are farmers

and so I grew up in a farm community

it's very different from anything I've

chosen to do and in my life since I

graduated from high school in college

but that's been okay and they I know

they're proud of me I Peggy my name is

Ruben Reza and my question for you is

what kind of challenges have any faced

as a female asking us can you say it

again I'm sorry what kind of challenges

have you faced as a female astronaut

that's a good question and you know I

that's a good question and you know I
think everyone faces different challenges in whatever it is that they pursue I think the things that have made me most successful have been just my work ethic I work really really hard and I try to always do my very very best and I think that that shows and people recognize that and has always made me succeed even though in many cases I was the only woman in the room during meetings and in my initial phases at NASA so I think working hard can overcome a lot of those obstacles that you might say proving that you can do the job is the most
important thing

gentlemen hi my name is Jhon dollars and

my question for you is have you seen any

strange objects and face actually I

haven't really seen anything unusual but

the perspective that we have from up

here is such that even things that you

might have seen on earth

like for instance media are coming in

you know we see a shooting star from

Earth seeing that from this perspective

means that it's below you and so had to

get past you and miss you to go into the

atmosphere so that's an interesting
perspective to see things from from here

at 250 miles above the earth

[MUSIC]

hi this is Kate Jana and her question

for you in soon my mom my wife Peggy the

question was have you ever experienced

any problems on the ISS I'm sorry I

didn't couldn't even tell from you okay

although that was better sure that Peggy

this is kinda a logical question is have

you ever experienced any problems on the

ISS actually we we have had occasional

problems on the ISS part of our job as

astronauts is to fix them when they

NO
arise

for instance the day after we arrived on orbit here we had a big problem with the toilet our toilet is actually a very sophisticated system that actually takes the urine and which processes the water and then it actually makes it clean enough that we use it as drinking water but in any in any case that part of our toilet system was broken and we had to spend a day an entire day trying to get that fixed we had a backup toilet on board but we always want to have two available just in case
hi Peggy my name is David Avila and my

question for you is what's been your

experience with micro meteorites or

space debris well aboard the ISS

actually that's a really good question

we have to worry a lot about space

debris we have a group of people on the

ground that actually monitor and track a

space debris that's very large which is

great for us because any time it gets

relatively close to the station we can

do either a reboost to increase our

altitude to avoid it or we can actually

debug and slow ourselves down and

decrease our altitude a little bit just
to make sure that we would miss any
large debris so it is a very important
problem and concern that we have and we
do track it good question hi my name is
Matthew mayhem my question for you is
when doing your spacewalk on the ISS if
you feel the effects of traveling at
17,500 miles per hour actually it really
is kind of hard to have a real sense of
traveling at 17,500 miles an hour it's
it's hard to imagine yourself going that
fast and I think about it in terms of
the fact that every 90 minutes we're
going around the earth and every 45
minutes we see either a sunrise or a sunset and that gives you more of a sense of speed than actually just looking out the window that is unless you're trying to take a picture of a particular spot on the ground because then it goes by pretty fast you have to be tracking your target very quickly in order to capture it in the camera.

hi my name's Joe

hi my name is Joe and I was one my question is for you when you want a statue eat hospice or their communication sorry I'm not...
caring them I take it this is Joel

Ramos this question is when you are in space can you eat hot food or everything

in a packet actually that's a really great question we do have a lot of food

in packets much like it is the these packets are like metal foil and we actually can warm them up in an oven and eat them out of that so like I have a chicken fajita and a soup here that are actually quite good and taste pretty much like the stuff we have on the ground a lot of our food though because we want to save mass and volume is
dehydrated which means we take all the
water out of it and then here we have a
machine that we just add the water back
into and we have a little food warmer to
heat it up if it's something we want to
eat hot we also have things like that
you might recognize here we have some
like candy coated almonds here and it's
actually pretty fun to play with our
food in space because it's a little
different than on earth things float
around so and if you think about it
being in zero gravity we also have to
worry about how we drink things because
we can't obviously drink fluids out of a
glass because fluids wouldn't stay in a glass so we drink them out of pouches and our pouches have special little straws on them that actually close up so that when we're not drinking that the liquid doesn't come out but if you I'm going to show you what happens when the liquid does come out it makes it forms a little ball and and then so it's really interesting just the behavior of liquids in zero-gravity you can see that it just stays on the end there it's stuck to the end of the straw and forms a little ball pretty cool
thank you

that's good I'll tell you my name is

Gerren evil continues what's your

favorite experiment we have conducted a

micro guy

[Music]

what is my favorite I didn't figure the

question was what is your favorite

experiment that you have done in

microgravity actually one of the things

I really love about being in

microgravity is and in being it working

in this laboratory here is the fact that

we get to work on such a wide variety of
different experiments for me that's a lot of fun but I like to grow things on earth I like to flowers and plants and so for me growing some cabbage on this flight and on my another flight I grew soybeans which is one of the crops that my dad grows so that was very interesting to me but I also like doing the experiments on the humans because that's what helps us understand what we need to do to make it safe for us to go on long-duration exploration missions to the Moon and Mars and you know all these other places that you folks will be
going to in the future and so it's really important that we do that research on the human body understanding bone and muscle development as well as you know changes in our vision and other changes in the body so it's really fun to do those experiments as well.

Hi Peggy my name is Lauren etc and my question for you is does your body feel tired as it does on earth after a long day well I do think you get tired especially like if we do spacewalks your body gets really physically tired because it's very physically challenging.
inside the spacesuit

but I think in general up here I sleep

so well that I don't typically feel very tired so I'm very pleased about that hi

Peggy my name is Joshua underneath and

my question for you is what has been your most frightening experience while in space well we train for a lot of things to go wrong in space and so I think that training tends to make you less frightened about things but probably the most what I would call sporty thing that happened is my last defense in the Soyuz spacecraft one of
the separation bolts didn't work and so
we had to do what's called a ballistic reentry which causes up to eight times the force of gravity on your body so it feels like eight dudes are sitting on your chest so it makes it hard to breathe and that was probably the most phenomenal we call it off nominal situation I've ever experienced.
hi Peggy my name is Sophia patina and my question for you is do you think there might be life on another earth-like planet in another galaxy
might be life on another earth-like planet in another galaxy
well I know you probably already know
that NASA has and many other agencies are working together and looking for other planets that are earth-like and we found literally last year I believe over a thousand planets that they consider earth-like and so I think that yes the chances are the odds are that yes there is other life out there it might not look it or be exactly like the life as we know it with plants on our earth or you know people won't necessarily be people or looked at quite the same but yes I think there will be other life out there because there just are so many
planets out there happy birthday

00:15:41,639 --> 00:15:47,620
thank you so much my name is Michael

00:15:45,070 --> 00:15:49,959
Oliva and my question for you is how long do you how old do you get along

00:15:47,620 --> 00:16:01,629
with the other astronomic I didn't quite get that one thank you the question was

00:15:49,958 --> 00:16:04,419
how well do you get along with the other astronauts actually that's a really important question because

00:16:01,629 --> 00:16:06,100
obviously we're living up here the six of us and getting along is very important but we also actually have to

00:16:04,419 --> 00:16:10,719

00:16:06,100 --> 00:16:12,759
get along well with our ground teams and

00:16:10,720 --> 00:16:15,879

00:16:12,759 --> 00:16:35,919
and Huntsville Alabama in scuba in Japan
and Moscow and in Munich and so being able to interact well with people is a very important skill being able to communicate effectively with people and tell them you know where the problems are and how to work around them is very important and a very important skill in life as well as for being an astronaut so it's very important and I happen to be extremely lucky with the group of guys that I'm up here with they are incredibly fun incredibly competent and we really have a good time genuinely in our work here hi thank you
my name is Han is Dale and my question

we want to become an astronaut really

well well if you want to become an astronaut I think probably the most important thing is to pick any field in science math or engineering and aviation

aerospace engineering I'm a biochemist we have physicists we have all different kinds of scientists all different kinds of engineers electrical engineers mechanical engineers aeronautical engineers and we have aviation pilots and test pilots so there
are lots of different fields but I think

probably the most important piece of

advice is that you need to pick

something that you really love because

you really want to be good at it in

order to stand out and be selected as an

astronaut so pursue something that you

really really love in any field of math

science or engineering hi Peggy my name

is Judy Gussets and my question for you

is do you see yourself being an

astronaut for the rest of your life well

I really haven't ever wanted to do

anything else

so I imagine I will always work in the space industry I really enjoy NASA what

NASA stands for exploration and spaceflight so yeah I think I will okay

Peggy thank you hear from whisper from all of us in here what's ago we're going to say happy birthday

thank you guys so much you had fantastic questions I'm sorry I couldn't hear them all very well but you had really great questions and just remember it's always important to pursue your dreams and dream really big station this is Houston ACR that concludes the event and thank
you to all the participants and guests

from West Waco Independent School

District station we're now resuming

normal operational common