okay station this is Houston are you ready for the event I am ready for the events Houston scuba space station this is Mission Control Houston please call station for a voice check station this is Jack said scuba dead center how do you hear me I can you're loud and clear hosting us out it's got his honors hello mr. Hoshi dad how are you this is the Tsukuba space station we have so many gifts and this is a young audience and there are a lot of women too so we'd like to start the question hello everyone thank you for gathering so late
at night so this is sooji from Cairo

University I’d like to ask a question during their loan mission at is a

sometimes relationship becomes sour and

course mr. Hoshi day you a great in leadership so how do you deal with such

a situation so this now well first of all in our training we all come to get

to know each other and towards the Lord

mission we prepare ourselves mentally so basically we do not have any such sour

human relationships when things don't go well and since we're all human beings

sometimes we feel good sometimes we
don't and so we tried to leave a person alone when he seems to need the time to himself so it's not that we do something intentionally but naturally we keep a good distance amongst ourselves and on the ground we have been training together for a long time and that helps we are friends and we are almost like a family and I'm sure that when you spend your time with your family sometimes people are in good moods sometimes people are not we all know how to act and so even before we are up here we already had
That relationships thank you Boyd's to

00:03:03,818 --> 00:03:09,099
push through can I ask another question

00:03:06,449 --> 00:03:12,939
oxygen like have a legitimate I have

00:03:09,099 --> 00:03:17,289
cold right now and the space astronauts

00:03:12,939 --> 00:03:20,590
do you ever have cold or do folio hiya

00:03:17,289 --> 00:03:23,079
no more on Geo Neo Tokyo casa hideous

00:03:20,590 --> 00:03:26,680
and I et votre are you messi hello yes

00:03:23,080 --> 00:03:29,769
when I'm on ground yes sometimes I have

00:03:26,680 --> 00:03:34,239
cold and I'm absent from my work but

00:03:29,769 --> 00:03:37,800
coming to space if I become ill and I'm

00:03:34,239 --> 00:03:40,480
not able to conduct my mission or if I

00:03:37,800 --> 00:03:44,410
don't want to go back on earth on

00:03:40,479 --> 00:03:46,988
emergency so what we do is before the

00:03:44,409 --> 00:03:52,150
launch for a certain period like a week

00:03:46,989 --> 00:03:54,789
or two weeks we are isolated and we make
58 00:03:52,150 --> 00:03:57,879
sure we don't bring any viruses wrong

59 00:03:54,789 --> 00:04:00,689
and we're not infected to make sure that

60 00:03:57,879 --> 00:04:05,590
we go up when we're not infected and

61 00:04:00,689 --> 00:04:09,129
every day if I we have stomachache or if

62 00:04:05,590 --> 00:04:14,230
we have runny nose we have that medicine

63 00:04:09,129 --> 00:04:17,889
and we communicate with doctors on the

64 00:04:14,229 --> 00:04:25,269
ground to ask him for him advice how

65 00:04:17,889 --> 00:04:27,788
much medication to take thank you school

66 00:04:25,269 --> 00:04:31,240
or go see my name is Suzuki from the

67 00:04:27,788 --> 00:04:34,750
university of tsukuba women well the

68 00:04:31,240 --> 00:04:37,660
differences between space and earth the

69 00:04:34,750 --> 00:04:40,360
big difference is the microgravity the

70 00:04:37,660 --> 00:04:43,630
human beings have created culture and

71 00:04:40,360 --> 00:04:46,300
civilization with gravity but when
humans go out to space and when there is microgravity what will human beings create what willkommen beings try to communicate from the perspective of art I'd like to ask this question so in creating a piece of art in the space what do you think would be the characteristics of outer space leaving the micro gravity alone hi so there's nano module need air dimanche got well jus de blah i'm now in space and the biggest difference is the gravity and the scenery from the window is different we are looking at the earth from the
outer space journalism you can only understand something if you see the earth from the outer space that scenery is also a big difference and astronauts tend to tell people about the beauty of the earth and food photos and videos that we take we try to tell people that it's beautiful but the lighting condition is a bit different and the sunlight brightness is different out here and the setting of the cameras or the exposures it's difficult for us the muscle and the professional artists well I think can help if they want to
take a good picture they'd have to think

00:06:26.978 --> 00:06:32.288
about the conditions and professional

00:06:29.709 --> 00:06:34.689
camera man's if they want to take an

00:06:32.288 --> 00:06:37.000
accurate picture they always have to

00:06:34.689 --> 00:06:40.209
think of the conditions like the

00:06:37.000 --> 00:06:44.560
lighting that needs to be something to

00:06:40.209 --> 00:06:49.478
consider as for microgravity now I am

00:06:44.560 --> 00:06:55.019
free from the gravity and new culture or

00:06:49.478 --> 00:06:59.110
new art could be created look at all so

00:06:55.019 --> 00:07:00.668
artists probably have various ideas and

00:06:59.110 --> 00:07:02.980
I think it would be interested if we get

00:07:00.668 --> 00:07:10.180
these ideas from artists

00:07:02.980 --> 00:07:13.780
thank you grow up hello I am me attorney

00:07:10.180 --> 00:07:16.780
from University of Tokyo and I am

00:07:13.779 --> 00:07:19.779
engaged in developing the micro
satellite in the space where there's microgravity probably there needs to be there is a new way of developing satellites so Mr. Hoshi day you are now used to microgravity do you have any ideas about creating satellites in space in a different way from the earth she's on the snare it mykko horses you know that's a difficult question same with you when I much like it microsatellite well the experiment was conducted the two months ago and for promotion that uses just a spring force or so it doesn't use any fire or rockets and
these satellites are let out into space

with just spring that's only possible

because there's no gravity here now as

for constructing satellites as well so

they decay to Kunta on the orbit we do

various jobs with Velcro but we'll

velcro be enough joking on when we let

the satellites so there's a heat

condition or the vacuum conditions so

satellite would have to be constructed

to endure this hard conditions that

would be difficult but in terms of

strength the satellites would have to

endure the launch condition but that
Could be easy so we could make the satellite smaller and lighter in that sense and if demand utakata support is necessary like exchanging parts or fixing some parts.

Think the design should be so that the parts could be exchanged it's difficult to do some minor small changes but if this design is made so that the exchange apart is possible that's good actually.

This hour is a is also designed that way the parts can be exchanged go by myself Thank You papa diagram from Tohoku.
University this is Murayama so the topic

00:09:54,779 --> 00:10:02,159
of this science cafe is whether we need

00:09:57,450 --> 00:10:04,860
demand space operations and in the

00:10:02,159 --> 00:10:09,059
future if we have them unmanned space

00:10:04,860 --> 00:10:11,639
experiments and if the astronauts have

00:10:09,059 --> 00:10:13,829
to carry out and install equipment which

00:10:11,639 --> 00:10:17,759
would make an astronaut's presence in

00:10:13,830 --> 00:10:21,480
the space unnecessary what would what do

00:10:17,759 --> 00:10:24,000
you think would happen what would

00:10:21,480 --> 00:10:29,460
be the motivation for the astronauts to

00:10:24,000 --> 00:10:32,730
complete such a task hi unreleased one

00:10:29,460 --> 00:10:34,410
is me I know these are Cano to station

00:10:32,730 --> 00:10:37,889
monica demon opening that's a good

00:10:34,409 --> 00:10:41,459
questions asked you to more actually in

00:10:37,889 --> 00:10:44,100
this ayah say there are six astronauts
we were working and there are various experimental equipment and they are all automated or the physical adagio they could be operated from the instruction from the Earth's although the astronaut doesn't have to do anything on their own there's not much of that your muscle because we have to have it that way otherwise we would be in a situation where we do not have a much time to do all this like the maintenance of the equipment don't lie to me so most of the equipment are automated and I think that direction
is correct so the cycle and question is

setting up these equipments or

exchanging the equipment in case of

trouble that would be the majority of

task placed on the astronauts actually

in this mission there were unexpected

troubles and by us being here we can

cope with unexpected situation and we

can also be aware of some problems which

we didn't expect like the liquid is

leaking from this equipment and so on we

can check it so that is the strength of

manned space experiment or manned space

operation thank you retrieve an extinct
usual day i am from the institute of space and astronautical study science my name is vicky tomahto mr. Hoshi day you signed your son autograph my paper and I still have that in my room in the about half of the students who have majored in aerospace engineering have not gotten jobs in the industry from the Uganda to God mom the chief I choral corral so what are the keys to staying motivated to seek an aerospace career you had a dream ever since you were small to become an astronaut didn't dr. motivation yo please give us the
motivations or some secrets of realizing

00:13:02,789 --> 00:13:12,870
your dream high so it's nano watashi no

00:13:09,750 --> 00:13:16,470
Vanya Messiah i jus cards and it was

00:13:12,870 --> 00:13:20,610
equal to radical well in my case I was

00:13:16,470 --> 00:13:23,519
lucky I am able to be engaged in the

00:13:20,610 --> 00:13:27,100
aerospace development and I became an

00:13:23,519 --> 00:13:30,100
astronaut and I came to the space

00:13:27,100 --> 00:13:32,500
you da man one reason was I never gave

00:13:30,100 --> 00:13:36,250
up my walk at the Oneida so everybody's

00:13:32,500 --> 00:13:38,200
let's kill them all and of course some

00:13:36,250 --> 00:13:40,900
people can't realize their dreams even

00:13:38,200 --> 00:13:43,930
though they don't give up their dreams

00:13:40,900 --> 00:13:46,930
but when you give up your dream the

00:13:43,929 --> 00:13:51,029
dream will no longer be there for you so

00:13:46,929 --> 00:13:55,259
you have to make a step and progress
00:13:51,029 --> 00:13:57,970
that's necessary to realize your dream

00:13:55,259 --> 00:14:00,730
are you told I'm up you may all thank

00:13:57,970 --> 00:14:06,910
you get inside ok i will also keep on

00:14:00,730 --> 00:14:09,940
pursuing my dream hello well thank you i

00:14:06,909 --> 00:14:12,549
am also from the institute of space and

00:14:09,940 --> 00:14:14,590
astronaut astronautical science bang

00:14:12,549 --> 00:14:19,000
konichiwa hey oh god Kingu so they came

00:14:14,590 --> 00:14:22,120
to stay motel my name is sugimoto NJ I

00:14:19,000 --> 00:14:25,299
wasn't I still there still some time so

00:14:22,120 --> 00:14:27,879
I'd like to pose a question so you've

00:14:25,299 --> 00:14:29,649
been staying at the ISS for a long time

00:14:27,879 --> 00:14:33,639
and you probably have various

00:14:29,649 --> 00:14:37,269
experiences are there accident at the

00:14:33,639 --> 00:14:39,850
ISA or where there are some near
accidents didn't can't you encountered

so it's nano my can't be nothing not
descoteaux most elaborate Washoe truth

isn't it i know but i wouldn't say

simple but there are minor troubles like

computer troubles accidents and there

are various unexpected events look like

you and i communicate with the

specialists on the ground and solve the

problems or i let them come up with

solutions and i listened to their

instructions to solve the problems is

the mother to overcome these problems we

learn a lot we learn about the new
system we learn about new troubles

defect so the trial and error

and we find out how to fix the problem

and how to avoid it in the future we do

this one at a time although it's been 12

years since humans are living on the ISS

but there has been this kind of

accumulation of troubleshooting and

we've all really grown and learned from

that blame us thank you well mr. Bush

Adair's thank you so much and thank you

for making the time to come here thank

you to the students we have so many

students with so many so much future
could you give them some message hi ano

nako notabe coiba ohm ok 60 today you n

terminus antoja photo/john your Eskimo a

muscle yes thank you for setting up this

event I was really happy to talk to the

students now I've been up on the space

for four months and I've gone through

various experiments I had the hdv calm

and I did some extra vehicle activities

and there were some trouble and as i

mentioned I communicated with the people

on the ground to overcome those problems

so because of the colleagues and friends

i was able to go through this big

project I won listen a week is left for
me but i will keep on making efforts and

when i go back to the earth i hope i

will get to meet you all and please all

of you i hope that you will continue to

pursue your dream which thank you so

much and so i hope you enjoy the rest of

your mission vamos a direct i don't

wanna wear it

hi any other they must stop station this

is Houston ACR that concludes the event

thank you