are you ready as you disappear this is

station I hear you okay there's a lot of

echo

very proud to be able to establish a

connection with you I imagine that you

could in any case

wheels yes we are flying over all of

France personal factors we pass along

I've taken many photographs I will try

to take a few more and to settle my

photographic it's not as easy sometimes

it could be I'll try again to make even

nicer photographs the point q Nicole
well in your name I have set the first step first stone of a new school your
message from the heavens is one that is eagerly awaited by us and we are happy to be able to find that you connected to every part of the world well that will be great pleasure please Econet for all of the French schools I hope that this adventure technological adventure it's not from an egotistical standpoint but I've done it a little bit for everybody to help lose progress along on behalf of France site you can see that I have my flag here at
less time I was at the Elysee Palace I

brought it to you and that will bring

this as well and this adventure also to

help the young a dream and to research

for scientific and technical vocations

to inspire these well for the yellow the

green a solution to the ninja we are

here at the planetarium with an

astrophysicist was next to me she's a

lady and we have with us the young youth

I know that they're full of questions

because you're bringing to them

knowledge to all of humanity which you

have imparted to us ever since you've

have imparted to us ever since you've
been up there and many of our

44
00:03:27,000 --> 00:03:33,269
compatriots have eagerly kept up with

45
00:03:30,780 --> 00:03:41,459
you and also for humanity for the world

46
00:03:33,269 --> 00:03:43,530
at large and so you can see very clearly

47
00:03:41,459 --> 00:03:45,259
from up there or you are the planet must

48
00:03:43,530 --> 00:03:46,519
be protected

49
00:03:45,259 --> 00:03:48,829
there are many questions that have been

50
00:03:46,519 --> 00:03:50,539
prepared to present to you one more

51
00:03:48,830 --> 00:03:55,400
comment I'd like to make and I await you

52
00:03:50,539 --> 00:03:58,908
at the Elysee Palace in any case you'll

53
00:03:55,400 --> 00:04:00,590
be meeting the next president and I look

54
00:03:58,908 --> 00:04:01,098
forward to meeting you thank you very

55
00:04:00,590 --> 00:04:02,989
much

56
00:04:01,098 --> 00:04:04,878
you'll see me soon please you know Thank

57
00:04:02,989 --> 00:04:08,480
You mr. president thank you it's an
Thank you. Mr. President.

Thank you. It's an honor. Hello, Tomas. I'd like to prepare for you a question for you. Do you feel a sense of vertigo up there? I felt what the people told you like this. I'm sorry, I didn't understand the question. Could you repeat it, please? Calm yourself. No chase. I read you from your first extra-vehicular sorting out of the module. That you feel sense of vertical up there? It's pretty good question. Listen no I didn't feel her to go because my brain was accustomed to it. I was accustomed to the idea that I wasn't gonna fall you.
see I can pitch myself up to the ceiling

and I understood that it would work well

but there was you know following and so

that's what happened outside of the

space center but the other things that I

am afraid Ivan that's losing my tools

not to be able to be able to fulfill the

stage of the tasks that are given to me

and so I need to concentrate you see I

can see my feet beneath me 450 kilometers of emptiness of space it was

such a super feeling it took photographs

[Music]

here's Tomas would like to would like to
pose you a question

87

let's ask you a question the question is

88

I'm sorry once again I could not understand the sound is very poor could you repeat your question please from the class represent our school my question is you have something that can protect you in space you have edible plants that you can eat that you can grow yes we grow plants to see how they will function in space so that we can educate to scientific people on earth scientists on earth but you know we eat whatever we can we don't have a lot of fresh food
most of what we have is in cans so every

00:06:52,189 --> 00:06:57,319
Friday we harvest our salad we get

00:06:55,129 --> 00:07:00,050
together and we prepare a dinner all

00:06:57,319 --> 00:07:03,259
together with our international team or

00:07:00,050 --> 00:07:05,780
initial every Friday we prefer a salad

00:07:03,259 --> 00:07:08,750
and then of course we eat the rest of

00:07:05,779 --> 00:07:10,399
the food that we have on hand it was

00:07:08,750 --> 00:07:13,250
sort of like a feast out of it because

00:07:10,399 --> 00:07:14,929
salad is sort of a not an ordinary thing

00:07:13,250 --> 00:07:22,759
that we do get to eat it once in a while

00:07:22,759 --> 00:07:33,560
to you have you been able to kill you

00:07:31,790 --> 00:07:36,310
can see the land but can you also see

00:07:33,560 --> 00:07:38,418
the Stars yes we observe the stars

00:07:36,310 --> 00:07:40,280
observe the stars but you know the space
standard station is a lot of windows

which look down toward Earth are not many that look upwards toward the stars

we have instruments for that we have spectrometers which look toward the stars but we look to the land a little bit we at night however we do observe the stars and we can see them going by very quickly we see very luminous very brilliant points that are the Stars there's no pollution that keeps us from seeing the stars really brightly and so we're able to read the constellations but it's not like on
earth we don't have a lot of time
because it goes by very quickly
evidently it's one of the most beautiful
things that you can see to imagine you
can imagine how the stars are suspended
down the firmament of space but of
course the earth is much more beautiful
because this much more varied there are
many more colors more forms of blue of
the oceans the mountains etc and so if I
had to choose I'd rather look at the
land or as look at earth we have a
question for you can you see the colors
of the stars I'm sorry I didn't
understand or didn't hear the question

rather I like to feel there was a question about stars but I didn't really understand these specifics question about the stars let me repeat it the question was can you see the stars better from the space station can you see the colors of the stars better from the space station the colors yes we can see many more colors and the stars we have nuances of blue and red and so you have to become accustomed to you have to accustom your vision to
being able to when you're especially

00:09:33,529 --> 00:09:37,309
when you're the couple ought to be able

00:09:35,210 --> 00:09:39,530
to discern the different stars colors

00:09:37,309 --> 00:09:41,029
and so then we begin to distinguish this

00:09:39,529 --> 00:09:44,480
difference in some of the statues the

00:09:41,029 --> 00:09:46,549
Stars the biggest to smallest the colors

00:09:44,480 --> 00:09:48,409
can imagine that through this parameter

00:09:46,549 --> 00:09:49,969
you can see even better but in any case

00:09:48,409 --> 00:09:52,990
we can see it much more clearly that you

00:09:49,970 --> 00:09:57,860
can on land unless of course you're at a

00:09:52,990 --> 00:09:59,149
planetarium board observatory on earth I

00:09:57,860 --> 00:10:01,950
would like to present to you one of the

00:10:01,950 --> 00:10:05,219
children who wants to ask you a question

00:10:05,219 --> 00:10:10,5219
[Music]

00:10:13,828 --> 00:10:22,328
mr. sqm good you are we hit by Debra's
hair in space listen the station is very well protected and armored against devra's against small Debra's I guess major Debra's we have to maneuver to move the station to avoid the larger Debra's we are very seldom touched by Debra's happily we can hear them goodbye but we can see them from the window of a couple of which help through which we observe the earth it'll make a small impact like for example when you have a little bit of gravel hitting the windshield of a car but happily we have very resistant windows it does make you
think and worry a little bit. It's a problem that we have to fight against. The Space Center agency has projects to clean up the space of a space debris. To clean the space space Debra's another question: how is your experience in space different from your training in the pool. It's easier in space, it's normal. Because when we train, it's very we make it very difficult so that for the day, it's easier than it was in training. That's what difference another. Difference is that is the swimming pool.
at the swimming pool is a 10 meters deep

but you always have a floor beneath your feet and it's not a different feeling

that's when you're out here you don't have a floor there's a difference

between day and night which we don't simulate and the swimming pool when we train in the diving suit but of course

when you're right here it's like somebody turns the light off you could even get lost

I guess it's complicated it's a real labyrinth it's a little bit strange out here you have to be a little bit more
careful because evidently in the pool we

215 00:12:06,308 --> 00:12:09,788 have divers are out there to help us and

216 00:12:07,899 --> 00:12:11,558 safety is much more easily afforded

217 00:12:09,788 --> 00:12:13,058 whereas when you're outside of the space

218 00:12:11,558 --> 00:12:14,528 station nobody can come out to help you

219 00:12:13,058 --> 00:12:16,448 so ya really have to pay attention to

220 00:12:14,528 --> 00:12:18,578 what you do because your life is more at

221 00:12:16,448 --> 00:12:22,229 risk out here in space than when you're

222 00:12:18,578 --> 00:12:22,229 training evidently

223 00:12:22,899 --> 00:12:31,909 you know another question what you doing

224 00:12:31,309 --> 00:12:33,949 up there

225 00:12:31,909 --> 00:12:36,709 stimulus people's dreams but you have to

226 00:12:33,950 --> 00:12:40,970 study well to do it there's a young boy

227 00:12:36,710 --> 00:12:44,410 if it has a question for you it's mostly

228 00:12:40,970 --> 00:12:48,590 food I think it's everything is done
step by step basis you cannot be discouraged by a path that seems very long you have to do your best at school every day if to do your best in sports you have to do your best to speak foreign languages or many things that are learned also outside of school for example to become an astronaut my experience in sports in music my travels all of this is in the end of something quite a bit but I think you have to do all the things one by one you must not say to yourself well there's ten years ahead it's going to be very difficult
I'll never get to the end of it
you have to tell yourself what I do this
year that is well what I do next year
it's a construction it's an edifice that
you built it's like a Lego construction
brick by brick you mustn't look at the
end which shows you the constructed Lego
structure you have to begin from the
beginning and then take it stage by
stage that's the way I did I think it
works well this is what I advise to the
youngest and then everybody all kinds of
specialties are needed in space there's
not just astrophysicists and astronauts
but there are many other paths professions

that are interesting that contribute to

the program

here's a question for you from another student

when you are come to me are we attached when we get out of the space station is that the question when you leave the space station are you still attached is that the question within the
orbital space station are you yes when

you leave you are attached because you

ought to be sure that you don't drift

away out into space because I don't know

if you've seen it you want to avoid that

evidently we're always attached we have

like a sort of a spool that lets you out

that's attached to the space exit port

and of course in reworks a certain space

you have to be attached with some sort

of device the way we might do and were

climbing a mountain that's funny we

attach yourself sometimes by the feet

with the feet on a platform which allows

you to work with two hands there are
many ways to attach yourself with the rulers you must always be attached to the station at all times if you ever were to be separated from the station which has never happened but we do have in our backpack a little sort of a scooter space scooter a little jetpack which we deploy and that with a joystick you control it the pilots yourself to return to the station but we only have enough fuel for one try so the rule really is to never get unattached or disconnected when are you going to go on to the moon like the question is what
Are you planning to go to the moon?

Yes, we would like to. We're explorers in the space station, you know. We do a lot of scientific research with the hands; we are the hands of the researchers on Earth, and we provide produce results for them to help them do their science but we're also explorers on the other side. I see it in the profile of my colleagues. We all of us would like to go. None of us has ever been to the moon. Certainly, the moon will be a stage to learn how to get to Mars and that we...
all have in our heads is to go to Mars

will be many difficulties to surmount

and certainly we work all of the

agencies are working on resolving these

problems and of course all the people

who are still on earth to assist us and

as adventures we learned a great deal

without life I hope it'll be part of it

but if it's not if it's not me then it's

not a problem that'll be maybe one of

you ever the person who goes to Mars is

perhaps among you at school maybe if

your age it's not important what counts

is that we do go in a great
international adventure and that France

329
00:17:17,569 --> 00:17:21,740
is part of it we have these questions

330
00:17:20,059 --> 00:17:23,269
that come to our minds where we're

331
00:17:21,740 --> 00:17:25,819
coming from where we're going how does

332
00:17:23,269 --> 00:17:26,900
life created how does it disappear these

333
00:17:25,819 --> 00:17:32,569
are the questions that would like to

334
00:17:26,900 --> 00:17:38,960
address good morning good morning here's

335
00:17:32,569 --> 00:17:40,879
a question from another why here do you

336
00:17:38,960 --> 00:17:44,240
feel differently when you feel weight

337
00:17:40,880 --> 00:17:48,110
the first time seems a good question

338
00:17:44,240 --> 00:17:50,690
listen the first time that I was in

339
00:17:48,109 --> 00:17:52,459
weight it was in the Soyuz you know our

340
00:17:50,690 --> 00:17:54,920
vehicle that brought us to the space

341
00:17:52,460 --> 00:17:56,809
station which is very small so we didn't

342
00:17:54,920 --> 00:18:00,410
we were floating but we didn't really
get the feeling that you fluting that

when I was floating in a larger volume

and arriving at the station no I didn't

feel different I wasn't ill I was lucky

some people to feel a little bit of

illness because everything changes a

little bit like seasickness in about for

example but I felt a little bit as if I

wasn't quite felt a little bit

uncoordinated it's like riding a bike

learning terrain so what we know how to

walk and to run on earth but this is a

little bit like learning how to ride a

bike I was a little bit sort of
uncoordinated that was fully a custom to

it feels very natural to the point

that when I come back to Earth I'll have

to relearn a little bit when I get back

how to move about on earth how to handle

objects because I've forgotten all of

that we have a way of by doing

thanks

without in a weightless environment you

can see that I let things go and it just

stays there on earth I'll have to learn

to do things again if I don't want to

cause damage now c'mon good morning the

last question
it's from the parent of a student - has kids can be more confusing what do I

miss the most two things I think one is people think about food no it's a food

as varied I don't need a lot of food anyway but no it's perhaps the freedom

the station this rather can find volume it's so we're lucky that it's as big as

it is but we can't go out and go into the forest and take a bike trip go out to the mountains of the sea I've always enjoyed doing that on earth and so I

miss that a little bit the second thing
evidently is those who are near me I

could call we can call each other but it

is six months of absence from those whom

we love it's not just in the space

station this happens for people to work

in submarines who have the same

experiences to be far away from your

family or friends those who are close

and near dear to you I wish I could have

brought them with me that would have

been super well we wish you all the very

best here's another question Thomas

thank you for your interconnection with

us at a change from space we certainly

invite you to come to our planetarium
when you come back thanks again thanks

and have a good day listen to spent a

pleasure to have have all of you aboard

the space station and it will be a

pleasure to come and meet all of you as

a planetarium after our return to Earth

station this is Houston ACR that

concludes the event

Thank You president Hollande and all

presidents with the participants with

the earpiece and Space Agency we are now

resuming operational audio

communications