farewell to one another Nowitzki on the
Left pesquet in the middle and whitson
on the right they posed for final
pictures a final opportunity for some
hugs and farewells wishing Nowitzki and
pesquet a soft landing on the steppe of
Kazakhstan again this occurring just
before 2:30 a.m. Central time today
after which Nowitzki and pesquet made
their way into the hatchway of the soyuz
MSO three spacecraft right behind them
and there you see a final inspection of
that hatchway that was made by Fyodor
yurchikhin the new station commander as
novitskiy and pesquet began the procedures to close the hatch to conduct leak checks to make sure that we have a tight seal at the docking interface between the Soyuz and the Rassvet module at the earth-facing port of the International Space Station's Russian segment at 2:31 a.m. Central time the Soyuz hatch swung shut just about a minute later the Rassvet module hatch was closed and the two crew members in the Soyuz novitskiy and pesquet began the work for their pre undocking preparations yes we confirm
that mechanical connection is no longer eliminated standing by for physical separation

yes upon years ago and we confirm separation we see that the message SS FFF wardonkey an internal transfer system mode has been completed we can over the border between Mongolia and China the Soyuz MSO 3 now has undocked from the International Space Station expedition 51 officially over expedition 52 has officially begun bacon timer is running real Bobby cordial soy sauce so today we are moving
on to undocking occurring right on time

00:02:23,020 --> 00:02:29,740
at 5:47 a.m. Central time again the

00:02:27,129 --> 00:02:31,629
undocking occurring on time as the

00:02:29,740 --> 00:02:35,640
International Space Station passed over

00:02:31,629 --> 00:02:35,639
the border between Mongolia and China

00:02:37,319 --> 00:02:42,930
where is the bow to mark the departure

00:02:43,620 --> 00:02:51,980
in two minutes you're going to have the

00:02:46,530 --> 00:02:51,979
first burn Robbie and affirmative

00:02:53,209 --> 00:02:57,840
Nowitzki and pesquet have begun the

00:02:55,469 --> 00:02:59,789
journey home we'll be standing by for

00:02:57,840 --> 00:03:01,709
the first of two separation burns this

00:02:59,789 --> 00:03:06,318
will be an automated eight second burn

00:03:01,709 --> 00:03:13,650
of the soyuz engines image is very clear

00:03:06,318 --> 00:03:15,500
that's right on the camera that's the

00:03:13,650 --> 00:03:20,120
beam module that's right
social city agreed

less than a minute away from the first

of two separation burns that will

increase the opening rate of the Soyuz

from the international space station

that's right

this view now from the Soyuz as it backs

away from the station through Russian

ground stations situation affirmative

just record five seconds he was computed

before we can affirm Deborah thrusters

gift will come in the first of two

separation burns now underway again a

quick eight second burn that increases
00:04:53,759 --> 00:05:02,338
of the opening rate of the Soyuz by 0.5

00:04:56,369 --> 00:05:05,249
four meters per second and the first

00:05:02,338 --> 00:05:08,399
separation burn is complete and was

00:05:05,249 --> 00:05:09,899
reported to be good the second of the

00:05:08,399 --> 00:05:11,399
two burns is about a minute and 20

00:05:09,899 --> 00:05:14,369
seconds from now and that will be a

00:05:11,399 --> 00:05:19,829
slightly longer burn of 15 seconds in

00:05:14,369 --> 00:05:21,869
duration going on nominally as well yes

00:05:19,829 --> 00:05:25,699
because your little bottles off we

00:05:21,869 --> 00:05:28,699
confirm that the maneuver is complete

00:05:25,699 --> 00:05:28,699
copy

00:05:32,199 --> 00:05:40,639
and we are turning over the result is

00:05:37,249 --> 00:05:42,349
people 15 seconds into the burn and the

00:05:40,639 --> 00:05:44,749
burn is complete everything went well

...[11/09/2019 20:35:23]
with both of the separation burns for
the Soyuz vehicle it also has completed
its maneuver as it moves a farther and
further away from the International
Space Station
undocking occurring just a few minutes
ago at 5:47 a.m. Central time that the
voice of an interpreter see you guys
reporting what Russian flight
controllers are saying to the crew
onboard the Soyuz MSO 3 that you see
they're fading further and further away
from view as it continues to separate
from the International Space Station
following its undocking nine minutes ago

I'm just saying good luck guys safe

landing this is further speaking to use

and so some on your gonna thank you so

much I'll see you soon see on the ground

well let's just say your departure was

just a beauty that's good to know

for the firing of the soft landing

engines touchdown the Soyuz is back on

Oleg Novitsky and Tom a pesky

landing occurring at 9:10 a.m. Central

time 10:00 10:00 a.m. Eastern Time 8:10

p.m. at the landing site in Kazakhstan

and an excellent view of a leg Nowitzki

the Soyuz commander in the center seat
of the descent module handing flight documentation and systems books to the energy recovery personnel Toma pesquet is to his left just out of the field of view at the moment Oleg novitskiy talking to inner Ghia personnel at the landing site the temperatures are summer-like and on target landing for the Soyuz MSO three hold them tight okay stop