we should be coming up now on the time

for the crews to say their final

farewells to each other before the six

crew members close hatches between their

two vehicles the space station and the

Soyuz TMA om

it's actually scan place just a couple

minutes from now it just just with this

polygamous traitor

his conscience English and I wrote it in

Syrian categorical pardon removing

interview here Chris Cassidy there on

the left side of your screen is course

the NASA astronaut is part of the the
crew returning home tonight and then

with him commander Pavel Vinogradov and

Alexander at flight engineer Alexander

misurkin on the far right-hand side just

floating out of you we are ready to

start still your home district already

yeah mosaic over shape no we're gonna

say farewell right there

again seeing some final farewells

between the expedition 36 crew members

planning to leave the space station and

return to earth tonight getting guys

some hugs and handshakes from the crew

they'll be leaving behind which one will
become expedition 37 when they undock

commander Pavel Vinogradov there in the center of the screen waving and on either side of him Chris Cassidy on the left and Alexander Misurkin on the right

no miss your name okay okay we're gonna start closing hatches now the crew are moving now into there this is into their Soyuz TMA om so that crew left behind can close the hatches between them in the International Space Station and prepare for the undocking of that vehicle in just a few hours at 6:35 p.m.

Central Time hold on just a second now
move around here let me make it closer

00:04:52.350 --> 00:04:58.470
zero because of us all right I'm moving

00:04:56.019 --> 00:04:58.469
in

00:05:03.939 --> 00:05:10.930
that is our course thank you

00:05:06.860 --> 00:05:10.930
will you close close and tap

00:05:32.540 --> 00:05:38.540
soon to be official expedition 37

00:05:35.389 --> 00:05:41.060
commander here paul theater your chihkan

00:05:38.540 --> 00:05:46.040
working to close the hatch here on the

00:05:41.060 --> 00:05:49.939
International Space Station side of the

00:05:46.040 --> 00:05:54.069
two hatches while the crew and the Soyuz

00:05:49.939 --> 00:05:54.069
works the same on their side

00:06:02.329 --> 00:06:07.810
barceló creepy Basia hatches are closed

00:06:10.389 --> 00:06:17.689
we're receiving the image so the SS

00:06:13.610 --> 00:06:20.030
flipper mode is complete seen here on

00:06:17.689 --> 00:06:22.908
the ground confirming that the Soyuz has
undock time you can see here in the view

being sent down from the Soyuz maiya

Russia ground stations moving away now

from the International Space Station

that incurred on time at 6:35 p.m.

Central Time no not yet could you please

activate the satellite okay yes you can

switch turn on the headlights

we can see you clear clearly Soyuz TMA o

MK expedition 36 commander Pavel

Vinogradov and flight engineers

alexander mazurkin and Chris Cassidy has

undocked from the International Space

Station that took place as scheduled at
6:35 p.m. Central time when the station and Soyuz are about two hundred and fifty eight miles above Mongolia and as you can see it's now slowly making its way back away from the International Space Station and pervert in preparation for the separation burn that will speed that move up a bit that wraps up 166 day stay aboard the International Space Station for that crew they launched to the space station on March 28th and arrived that same day making the first on one day journey to the space station for any crew

and with that undocking it now officially marks the beginning of expedition 37 for the crew members left onboard the space station.

their commanders now the owner your chicken little to five and along with us along with him flight engineers Luca parmitano and Karen Nyberg don't buy for the Diplo activation we have activation we are observing now they in and the team here on the ground also now confirming that the separation burn is in progress the activation of the Perot we are observing and that 15-second
burned now complete 15 seconds that the

101 00:08:46,669 --> 00:08:50,659
Soyuz jets fire ease it further away

102 00:08:48,620 --> 00:08:53,139
from the International Space Station and

103 00:08:50,659 --> 00:08:55,429
to rate of just over a mile per hour

104 00:08:53,139 --> 00:08:59,829
begins by moving into

105 00:08:55,429 --> 00:08:59,828
zenith and then after this space station

106 00:09:02,649 --> 00:09:07,610
this again should put them a safe

107 00:09:04,970 --> 00:09:10,129
distance away from the station in time

108 00:09:07,610 --> 00:09:11,629
for the deorbit burn that will drop the

109 00:09:10,129 --> 00:09:14,750
Soyuz back into the Earth's atmosphere

110 00:09:11,629 --> 00:09:17,839
at 9:05 p.m. Central Time and put them

111 00:09:14,750 --> 00:09:21,220
on a return course for Kazakhstan just

112 00:09:17,839 --> 00:09:21,220
before 10 p.m. Central Time

113 00:09:26,519 --> 00:09:35,789
there are a ways to go

114 00:09:30,028 --> 00:09:39,759
yes it's beautiful and it's sliced
beautifully okay so the inhibit of the dynamic operations has been sent via the command radio in case we're observing that very beautiful image we are getting very good quality because we were wiping everything you know all axis so should we activate therefore Georgie no not yet live with this as it is okay in just a moment the Soyuz is scheduled to be directly below the international space station between it and the earth and then it's going to begin phasing out below and in front of the space station as it continues moving further away in
preparation for its deorbit burn

you

your head karate speaking

you

and as you can see Soyuz TMA a tin as

now Lyndon was at 10:58 p.m. Central

Time thank you push them good so forth

quick

raphaël go ahead

good evening to our listening and

viewing audience around the world I

don't know if you've had live TV from
the landing site yet you'll probably be

Pavel Vinogradov the oldest human ever to land in a Soyuz vehicle at the age of 60 is sitting very comfortably in one of the three reclining chairs just outside of the Soyuz spacecraft which landed on its side on this spill and sunny Wednesday morning on the Sultan steppe of Kazakhstan the inner gear technicians and the search and recovery forces who arrived within literally seconds of the touchdown of the Soyuz TMA oh em are in the process of extracting chris cassidy
and Alexander Mazurkin as well they will

00:13:20,009 --> 00:13:24,779
be placed in those reclining chairs

00:13:22,049 --> 00:13:26,849
flanking Pavel Vinogradov ah just a few

00:13:24,779 --> 00:13:28,649
minutes from now we'll stay on with you

00:13:26,850 --> 00:13:31,409
through the extraction of the crew and

00:13:28,649 --> 00:13:33,419
then after a few minutes to get their

00:13:31,409 --> 00:13:35,459
land legs as it were

00:13:33,419 --> 00:13:37,889
they'll be hoisted on those reclining

00:13:35,460 --> 00:13:40,530
chairs and brought into a nearby

00:13:37,889 --> 00:13:43,169
inflatable medical tent to begin some

00:13:40,529 --> 00:13:45,569
unique pilot field tests as they are

00:13:43,169 --> 00:13:49,110
called these are tests that are designed

00:13:45,570 --> 00:13:51,270
to add to a database for not only the

00:13:49,110 --> 00:13:53,909
one-year crew Scott Kelly and Mikhail

00:13:51,269 --> 00:13:56,220
Kornienko when they return from their
year-long sojourn on Berkey

International Space Station in March of 2016 but also for interplanetary travel

as well these tests will include Cassidy

Andrew Zirkin who will be attended by

NASA and Institute of biomedical

problems personnel taking data on their

ability to unassisted move to a standing

position from a sitting position then

from a prone position to a standing

position and then a heel to toe walk on

an unassisted basis also you know we are

seeing live video now and I can tell

that Cassidy as well as vinegar Oliver
both out of the capsule looks like

everything's going pretty smoothly

indeed absolutely smoothly and very

efficiently

so the final member of the expedition 36

crew is now being gently pulled out of

the top hatch of the soyuz spacecraft

which again landed on its side here on

the steppe of Kazakhstan and mazurkin is

now out of the Soyuz and he'll be placed

in his is reclining seat has comfortable

pseudo chaise lounge if you will and

have an opportunity to get his land legs

for a few minutes he again one of the
two subjects of these unique pilot field tests that will be conducted inside the medical tent in the minutes ahead you're once in the medical tent they'll be assisted in the removal of their sokol launch and entry suits before they undergo the first initial battery of normal regular standard biomechanical tests and then on to the pilot field test that we discussed a few minutes ago the three sets of tests that will begin to acquire data these are tests that are expected to be conducted after every landing on at least the u.s. crew member
and one of the Russian crew members that

00:15:54,190 --> 00:15:59,020
will fly on any respective Soyuz vehicle

00:15:56,889 --> 00:16:01,840
to gather data that will be valuable

00:15:59,019 --> 00:16:03,759
initially when Scott Kelly and Mikhail

00:16:01,840 --> 00:16:05,290
Kornienko returned from the

00:16:03,759 --> 00:16:10,509
International Space Station in March of

00:16:05,289 --> 00:16:12,789
2016 after one year in space all three

00:16:10,509 --> 00:16:16,330
crew members now safely out of the Soyuz

00:16:12,789 --> 00:16:22,769
capsule TMAO a team which landed right

00:16:16,330 --> 00:16:22,770
on time at 9:58 p.m. Central Time or

00:16:23,549 --> 00:16:32,259
8:58 a.m. Kazakhstan time and the crew

00:16:29,529 --> 00:16:35,949
members now being carried to a medical

00:16:32,259 --> 00:16:38,559
tent to undergo not only the the normal

00:16:35,950 --> 00:16:40,030
medical tests the doctor members go

00:16:38,559 --> 00:16:42,099
through after returning from space but
also some additional tests that are going to help us build a baseline of data on crew members returning from extended stays in space