we now have downlink from space shuttle

Atlantis there you can see the entire international space station complex

there if you look at the top Atlanta is currently casting a shadow on the solar arrays

the team here confirming that the fly around has begun sts-132 pilot tony antonelli now at the controls from

Atlantis's flight deck he will begin to fly atlantis around the entire circle of the International Space Station the two vehicles are currently out over the Pacific Ocean they are bearing down on
the western edge of Mexico here in a few minutes and he'll be crossing over North America as this fly around takes place.

shuttle Atlantis in the International Space Station there staring each other down at a distance of 458 feet once again pilot tony antonelli at the controls of atlantis beginning this fly around procedure the first rays of sunshine they're hitting the upper atmosphere of the earth as the station in a shallower out over the Pacific Ocean very closely you can see some of the
Jets at the back of Atlantis firing if this sts-132 fly does indeed turn out to be Atlantis's final mission this will be the last time we actually get to see a full shot of the shuttle up in space from these space station cameras the shuttles now 506 feet away from the International Space Station this fly around is continuing with sts-132 pilot tony antonelli at the controls you antonelli is a flying Atlantis up over the first quadrant of this entire circle that's he will steer Atlantis he's
completed about the first 40 degrees

00:06:46,720 --> 00:06:50,900
it's a view from inside Atlantis's

orbiter docking system looking back at

00:06:49,040 --> 00:06:53,180
at the former home of the shuttle

00:06:53,180 --> 00:06:58,790
pressurized mating adapter number two

00:06:56,410 --> 00:07:00,229
there on the left you can see the

00:06:58,790 --> 00:07:02,720
Columbus laboratory there on the right

very obvious is the Kibo laboratory with

00:07:02,720 --> 00:07:11,870
its Logistics Module up on top this view

00:07:09,769 --> 00:07:13,430
of Atlantis with its open payload bay

doors down inside is the integrated

00:07:13,430 --> 00:07:17,720
cargo carrier the only piece that

00:07:15,589 --> 00:07:19,579
Atlantis is bringing back home the old

00:07:17,720 --> 00:07:21,800
batteries at the crew swapped out during

00:07:19,579 --> 00:07:25,430
two of the spacewalks of this mission
are on the back side of it the robotic arm their extended out over Atlantis's left side with the orbiter boom sensor system still attached to a cross back over the payload bay you

epic ocean down underneath both atlantis and the station at this point in time the two vehicles are 212 miles continuing to pass to the northeast they're approaching the western edge of Mexico here in about two minutes

land is now 550 feet away from the
00:09:45,230 --> 00:09:52,700
station continuing to rise above the

00:09:47,870 --> 00:09:54,080
u.s. segment you can see all the modules

00:09:52,700 --> 00:09:55,670
there at the forward portion the

00:09:54,080 --> 00:09:58,220
Columbus on the Left Kibo on the Rights

00:09:55,669 --> 00:10:00,589
harmony there in the middle moving

00:09:58,220 --> 00:10:03,200
backward is destiny unity there where

00:10:00,590 --> 00:10:04,550
the trust structure crosses over and you

00:10:03,200 --> 00:10:07,900
can also see the Russian segment there

00:10:04,549 --> 00:10:07,899
is stretching back toward the back

00:10:07,900 --> 00:10:10,110
getting our first view is now of the

00:10:12,429 --> 00:10:19,539
Soyuz TMA 18 which is mounted back there

00:10:15,519 --> 00:10:21,129
on the poisk a docking compartment there

00:10:19,539 --> 00:10:24,909
at the back you can also see the Soyuz

00:10:21,129 --> 00:10:26,470
TMA is 17 that is the one that is due to
00:10:24,909 --> 00:10:29,009
come back home to earth coming up on

87
00:10:29,200 --> 00:10:34,590
expedition 23 flight engineer TJ creamer

89
00:10:34,590 --> 00:10:38,509
sweetie noguchi and expedition 23

90
00:10:38,509 --> 00:10:43,070
commander Oleg Kotov will crawl inside

92
00:10:43,070 --> 00:10:50,629
that vehicle which brought them up to

93
00:10:50,629 --> 00:10:58,309
the station about six months ago go

94
00:10:58,309 --> 00:10:59,870
there's no windows in here it was clear

95
00:10:59,870 --> 00:11:06,370
this morning ask whether something's if

96
00:11:06,370 --> 00:11:06,370
we're gonna fly out of her head we like

97
00:10:59,870 --> 00:11:06,370
it's pretty awesome picture we'll see

98
00:11:03,710 --> 00:11:06,370
what we can find out

99
00:11:26,139 --> 00:11:31,039
and I lantus for downlink cameras we're

100
00:11:29,600 --> 00:11:32,149
looking at the center line camera right

00:11:31,039 --> 00:11:33,769
now we're wondering if one of the

00:11:32,149 --> 00:11:36,009
payload Bay cameras might have a better

00:11:33,769 --> 00:11:36,009
view

00:11:52,578 --> 00:11:57,269
we begin with here without getting in

00:11:55,230 --> 00:12:01,319
this airline will tell you there that's

00:11:57,269 --> 00:12:02,789
better okay maxima they go whatever

00:12:01,318 --> 00:12:04,438
you're sending us now is much better

00:12:02,789 --> 00:12:08,458
thank you very much and the weather

00:12:04,438 --> 00:12:10,289
report there you go Shelby I'm sorry I

00:12:08,458 --> 00:12:12,500
said that he said for everybody that's

00:12:10,289 --> 00:12:12,500
right

00:12:28,870 --> 00:12:38,500
a line is now 587 feet away from the

00:12:32,409 --> 00:12:41,319
station almost directly above it you can

00:12:38,500 --> 00:12:45,330
see very clearly the entire 357 feet
wingspan of the station's solar arrays

you can see the radiator is there on either side pointing back toward and running parallel to the Russian segment

and as we mentioned looking almost directly down on the Soyuz TMA 18 and you can see the Soyuz TMA 17 back there at the back of the Zvezda service module

the two vehicles 212 miles above the Pacific Ocean approaching the western edge of Mexico it'll be going just to the north of Monterey and then crossing the border between Mexico and Texas just to the northwest of Laredo will be
making almost a direct cross from the southwest to the northeast across Texas just to the west of San Antonio over the Texas Hill Country and then directly in between Dallas and Tyler over interstate before heading up over Arkansas a line is now outside of 600 feet away from the station this 360 degree maneuver with sts-132 pilot tony antonelli epic controls is continuing this is Mission Control Houston western edge of Mexico coming into view now the station in a shuttle 213 miles above the earth they're passing directly in
between Mazatlan and Puerto Vara it's a fairly cloudless day there on the coast.

Of Mexico the two vehicles continuing to pass to the northeast they're heading toward Texas.

And land us now 650 feet away from the station yeah shuttle passing over the Russians segment the two spacecraft just crossing the edge of Texas passing over the cities of Uvalde Kerrville.

Fredericksburg Killeen it'll go over Corsicana right there on interstate 45 and then cross right in the middle of Dallas and Tyler.
now 684 feet away from the station

00:19:39,669 --> 00:19:44,200
atlanta is continuing to perform this

00:19:41,650 --> 00:19:46,809
fly around maneuver with sts-132 pilot

00:19:44,200 --> 00:19:52,029
tony antonelli at the controls from the

00:19:46,808 --> 00:19:55,418
flight deck the two spacecraft just

00:19:52,029 --> 00:19:57,129
passing from texas into arkansas going

00:19:55,419 --> 00:20:03,970
over a hot spring is at this point in

00:19:57,130 --> 00:20:07,210
time they will across the very south

00:20:03,970 --> 00:20:09,669
eastern tip of missouri and then head

00:20:07,210 --> 00:20:12,450
over parts of a kentucky and then into

00:20:09,669 --> 00:20:12,450
indiana

00:20:12,450 --> 00:20:47,009
can I call it mud

00:21:41,019 --> 00:21:43,960
this view from onboard the International

00:21:42,519 --> 00:21:48,250
Space Station that is part of the mobile

00:21:43,960 --> 00:21:49,779
base system the communications and
tracking officers here inside Mission Control are attempting to steer the cameras around a bit to see if they can capture Atlantis the shuttle currently over the Russian segment approaching the Zvezda service module coming up in just a few seconds once again this is sequential still video from Atlantis this is what we get when we don't have high data rate communication with the shuttle so you will see the image change every few seconds Atlantis now 693 feet away from the station giving a very close to being
lined up with a very back end of this vessel service module and the Soyuz TMA that is currently docked there she's consumption on 24 ctgf stove go ahead drizzy please my love this is a nice job wrapping up this pgf for the procedure and as he's winding bubble wrap around the pin maybe wonder where the actual cover is for the pin is will the night practices in the film anything is carrying this out there was a protective hard shell a clamshell cover that went over this pin to protect it and it's my understanding that it's actually here on
board somewhere and we were going to

install it prior to going out the door

and wondered why we're not finding that

and installing it instead of trying to

tapes couple wrap around it this is

Mission Control Houston Atlantis now

crossing the 700 feet mark away from the

station there you see his current

position it is about to pull around the

back end of the zip ESDA service module

and then it continued down below the

Russian segment at that point the crew

will get their first views of the

progress 37 that is currently docked
with the piers docking compartment as
00:24:58,279 --> 00:25:05,329
well as the newly installed zaria via

216
00:25:01,829 --> 00:25:05,329
Ross fed module that's on zaria

217
00:26:27,069 --> 00:26:31,808
and land is now almost directly in line

218
00:26:28,509 --> 00:26:34,028
with the Russian segment the apt most

219
00:26:31,808 --> 00:26:39,579
portion of it the International Space

220
00:26:34,028 --> 00:26:41,470
Station the distance now 638 feet the

221
00:26:39,579 --> 00:26:44,859
crew on board Atlanta is continuing to

222
00:26:41,470 --> 00:26:46,960
take some photos of the entire complex

223
00:26:44,859 --> 00:26:54,099
as they get a one-of-a-kind view during

224
00:26:46,960 --> 00:26:55,929
a sly around after this fly around is

225
00:26:54,099 --> 00:26:57,519
complete Atlantis will complete a series

226
00:26:55,929 --> 00:26:59,620
of separation maneuvers that will take

227
00:26:57,519 --> 00:27:02,048
it away from the vicinity of the station

228
00:26:59,619 --> 00:27:04,258
the first of those coming up in 24
minutes

you