each member of the crew for space

shuttle endeavour's final flight has

been to space before in fact sts-134 is

the fourth trip to the International

Space Station for US Navy captain mark

kelly tying the record for the most

visits kelly was born in Orange New Jersey and grew up in West Orange as a young boy watching the Apollo moon

landings he thought about becoming an astronaut but as he got older it seemed out of the question after high school

Kelly won an appointment to the u.s. Merchant Marine Academy with a plan for
a career at sea then he made a trip on a grain carrier going from Seattle to a place called sivaiah Egypt in the southern part of Egypt on the Red Sea and getting across the Pacific that ship went 12 knots and it took us over a month to get across the Pacific Ocean to get us the Singapore and I thought well this is way too slow so that's when I started thinking about flying airplanes in the Navy when he finished his bachelor's degrees in marine engineering and marine transportation at the academy Kelly took his commission and went to
the Navy flight school he made two deployments during Operation Desert.

Storm and flew 39 combat missions earned a Master of Science in aeronautical engineering at the Navy post graduate school and then went to the Navy test pilot school where the astronaut bug hit him again you know being a test pilots fun you get to test new things and sometimes fly new airplanes and the Space Shuttle you know after sts-134 only has 134 flights it's still more or less than a test program even though we've been flying it for nearly 30 years.
now so it's like the ultimate test pilot

job Kelly was an instructor at test

pilot school when he was picked for the

astronaut corps in 1996 Kelly was the

pilot on shuttle mission st as 100 in

2001 and the second return to flight

test mission in 2006 and he commanded

the 2008 flight that delivered the Kibo

laboratory module

airforce Colonel Mike Fink has been to

the station twice before for a year on

too long duration missions and he'll set

a new record for time spent in space by

an American at the end of this flight

pink was born in Pittsburgh Pennsylvania
and grew up in the suburb of Emsworth

and I was oldest of nine kids we didn't

have a lot of money but we're still able

to spend time and planetariums and the

museums and the science centers that are

all over the city had a benefit and

blessing to be able to go to a

private high school I had to work on the

weekends to make it happen but the

school made it work too and I had a

great excellent education in high school

studying science and math and all the

things that really excited me Fink won

an Air Force ROTC scholarship to MIT
where he earned bachelor's degrees in aeronautics and astronautics and Earth atmospheric and Planetary Sciences that summer he attended an exchange program with the Moscow Aviation Institute before heading to Stanford for a master's in aeronautics and astronautics then he started an abbreviated career as a fighter pilot and it turns out after six or seven months there force and I both agreed that I wasn't going to be the gods gift to to aviation that I thought it was going to be and I wasn't destined to become a fighter pilot so I
washed out of pilot training pink found

87
his niche as an engineer and then a

88
flight test engineer attending the Air

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Force test pilot school and serving at

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posts in Southern California and later

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in Japan but he never gave up his

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childhood dream when I was three years

93
old I remember watching people walk on

94
the moon and I knew right then and there

95
that's something I wanted to do Fink was

96
selected as an astronaut in 1996 he

97
spent six months as flight engineer on

98
the International Space Station's

99
expedition 9 in 2004 and performed four
spacewalks then another six months as commander of expedition 18 and performed two morry va's one of his crewmates from that flight is with him again on this one dr. Greg Chamitoff was born in Montreal Canada and had a father he describes as space fanatic shemitah remembers watching Star Trek as a little boy and being intrigued but then we went on a family vacation to Florida it was the time of Apollo 11 so we got to see the launch of Apollo 11 family vacation there I was six and and that was it that I told my dad at that point I wanted to
do that and never change my mind the

family moved to the United States and

settled in san jose california when

chamot off was 11 he graduated from high

school there and went to Cal Poly in san

luis obispo to study physics the launch

of the first space shuttle mission

during his freshman year changed his

focus and I just remember so vividly

being in the dormitory you know people

gathered to watch this the first flight

and and for me you know I'd want to

do this all my life but there wasn't

that either yet wasn't any urgency or a
sense of direction you know of how to do

it and and as soon as that happened I

said I got called ass and asked him what

I have to do when he got interested in

robots he changed his major and earned a

Bachelor of Science in electrical engineering at Cal Poly then a master's in aeronautical engineering at Caltech

on a fellowship at Draper laboratory in Cambridge Massachusetts shemitah worked

on spacecraft guidance controls for several NASA projects while earning his doctorate in aeronautics and astronautics at MIT then he taught
aeronautical engineering at the
University of Sydney before he came to
work at the Johnson Space Center in 1995
developing software applications he was
picked for the astronaut corps in 1998
and spent 183 days in space as part of
the Space Station's expedition 17 and 18
cruise Italian Air Force colonel Roberto
Vittori of the European Space Agency has
made two previous trips to the
International Space Station but he spent
less than three weeks in space the Tory
was born in the terrible and grew up in
nearby bomar so in central Italy very
small in the middle of a beautiful

158 00:06:31.149 --> 00:06:35.620
forest

159 00:06:32.949 --> 00:06:40.060
countryside and I grew up playing soccer

160 00:06:35.620 --> 00:06:44.860
outside my my school I was very good in

161 00:06:40.060 --> 00:06:47.379
defense and and there was a and then I

162 00:06:44.860 --> 00:06:50.170
was I loved playing they would meet with

163 00:06:47.379 --> 00:06:52.480
my friends he left while Mars all for

164 00:06:50.170 --> 00:06:55.870
college to study physics but his boyhood

165 00:06:52.480 --> 00:06:57.310
interest in flying reasserted itself the

166 00:06:55.870 --> 00:06:59.590
Tory earned a bachelor's degree in

167 00:06:57.310 --> 00:07:02.019
aeronautical science at the Italian Air

168 00:06:59.589 --> 00:07:04.119
Force Academy and completed his basic

169 00:07:02.019 --> 00:07:07.000
pilot training with the US Air Force at

170 00:07:04.120 --> 00:07:09.009
reiss Air Force Base in Texas and then

171 00:07:07.000 --> 00:07:11.769
flew operationally in the Italian Air
Force next stop was the US Navy test pilot school and a post graduation trip with his classmates to visit NASA all my colleagues American colleagues were thinking about becoming an astronaut and I was thinking bad luck that they are not us obviously in Italy is not that easy to have opportunities for astronauts two years later while the Tory was working as a test pilot in Italy he put in an application when the Italian space agency was looking for astronauts he was selected and became a European Space Agency astronaut and
trained as a member of the 1998 class of astronauts at NASA's Johnson Space Center vettori flew to the International Space Station on a Soyuz taxi flight in 2002 and then on a 10-day science flight in 2005 during the expedition 10 to 11 crew exchange he later served as an Italian Air Force liaison officer and completed master's degrees in aeronautical Sciences at the University of Naples and in physics at the University of Perugia this flight is the second station trip for retired Air Force colonel greg johnson Johnson was a
military brat born in the United Kingdom and raised all over the United States he was inspired to become an astronaut during a family visit to his grandparents in Traverse City Michigan when they all watched the Apollo 11 moon landing I was 7 my brother was 9 my sister was 11 and we were amazed and I said why that I'd love to be an astronaut so that was kind of a bit that was set way back when I was seven Johnson graduated from high school in fairborn ohio and went to the Air Force Academy to become a pilot
and an engineer after graduating with a

00:08:56,519 --> 00:09:00,480
Bachelor of Science in aeronautical

00:08:58,289 --> 00:09:02,279
ing engineering and earning a master's in

00:09:00,480 --> 00:09:04,620
flight structures engineering at

00:09:02,279 --> 00:09:06,779
Columbia Johnson was assigned to Reese

00:09:04,620 --> 00:09:09,240
Air Force Base as a pilot and then a

00:09:06,779 --> 00:09:11,939
pilot instructor he flew combat missions

00:09:09,240 --> 00:09:14,070
in operations Desert Storm and southern

00:09:11,940 --> 00:09:16,530
watch before attending the Air Force

00:09:14,070 --> 00:09:18,870
test pilot school which rejuvenated the

00:09:16,529 --> 00:09:21,240
engineer in him and made him think about

00:09:18,870 --> 00:09:23,669
his childhood dream of becoming an

00:09:21,240 --> 00:09:26,070
astronaut I’m flying really cool stuff

00:09:23,669 --> 00:09:27,599
and they like to hire test pilots

00:09:26,070 --> 00:09:30,600
because each shuttle mission really is a
test flight and so went ahead and threw

my name in the hat Johnson was selected

by nasa in 1998 earned an MBA from the

University of Texas at Austin in 2005

and piloted the 2008 shuttle flight that

delivered the first components of

Japan's Kibo laboratory complex dr. drew

voice tells first spaceflight got him

nowhere near the International Space

Station but he got up close to something

that none of his crewmates has ever seen

before foy still was born and raised in

lake orion michigan north of detroit

have fond memories of summer and winter
you know I think winters were quite enjoyable we used to do a lot of snowmobiling and snow skiing and in the summers we spent our time waterskiing and being a suburb of Detroit Motor City I became interested in automobiles at an early age 4 cyl raced motorcycles and go-karts as a boy and he had cars in mind after high school when he went to Oakland Community College specializing in geology with a minor in industrial design so you could say I was pursuing two careers one as a scientist one as an automotive designer while working as an
automotive restoration mechanic after he finished his associates degree he went to Purdue for a bachelor's in solid earth sciences and masters in geophysics and was the team cart driver for his fraternity and then he earned a PhD in geological sciences at Queen's University in Kingston Ontario he worked as a geophysicist in Canada and then for ExxonMobil exploration be in Houston before he was picked as an astronaut in 2004 still completed three spacewalks during the final servicing mission to
the Hubble Space Telescope in 2009 I

00:11:15,120 --> 00:11:21,029
think for humans it's always been about

00:11:17,669 --> 00:11:23,039
what's out there are we alone could we

00:11:21,029 --> 00:11:25,409
be the only ones in this infinite

00:11:23,039 --> 00:11:27,360
universe and I think the only way we're

00:11:25,409 --> 00:11:29,039
going to find out is if we keep pushing

00:11:27,360 --> 00:11:32,480
the boundary and trying to get out there

00:11:29,039 --> 00:11:32,480
and and this is just the beginning