



1  
00:00:01,230 --> 00:00:06,089  
>>> STATION THIS IS HOUSTON ARE  
YOU READY FOR THE EVENT?

2  
00:00:06,089 --> 00:00:11,900  
>> YES, WE ARE READY.

3  
00:00:11,900 --> 00:00:15,990  
>> EUROPEAN SPACE AGENCY, THIS  
IS MISSION CONTROL HOUSTON.

4  
00:00:15,990 --> 00:00:22,650  
PLEASE CALL STATION  
FOR A VOICE CHECK.

5  
00:00:30,600 --> 00:00:36,699  
>> STATION, THIS IS JULES HERE  
IN LATUS, HOW DO YOU HEAR ME?

6  
00:00:36,699 --> 00:00:39,410  
>> I HEAR YOU FIVE BY FIVE.

7  
00:00:39,410 --> 00:00:54,149  
>> HELLO, WE ARE VERY HAPPY THAT  
YOU ARE WITH US.

8  
00:00:54,149 --> 00:01:11,700  
SEVERAL WEEKS AGO BUT WE ARE SO  
HAPPY TO BE ABLE TO FOLLOW YOU

9  
00:01:11,700 --> 00:01:13,220  
AT FIRST ON THE INTERNET.

10  
00:01:13,220 --> 00:01:16,980  
SEVERAL OF THE KIDS HAVE COME  
BACK, ESPECIALLY TO BE WITH YOU

11  
00:01:16,980 --> 00:01:17,980  
TODAY.

12

00:01:17,980 --> 00:01:24,080

SO HERE IS THE FIRST QUESTION.

13

00:01:24,080 --> 00:01:29,160

HELLO, THIS IS ME, AND I WAS  
WONDERING WHAT YOU EXPECT UPON

14

00:01:29,160 --> 00:01:30,160

YOUR RETURN TO EARTH?

15

00:01:30,160 --> 00:01:38,230

>> HELLO, EVERYBODY, VERY HAPPY  
TO WORK WITH YOU TODAY.

16

00:01:38,230 --> 00:01:41,770

WELL, I AM LOOKING FORWARD TO  
COMING BACK TO EARTH, NOT

17

00:01:41,770 --> 00:01:42,770

REALLY.

18

00:01:42,770 --> 00:01:48,860

I AM LOOKING FORWARD TO BEING  
BACK TO THE PEOPLE CLOSE TO ME.

19

00:01:48,860 --> 00:01:54,400

AND IT'S A PLEASURE TO WATCH ON  
EVERYTHING.

20

00:01:54,400 --> 00:01:57,300

YOU KNOW, WE HAVE WORKED  
TOGETHER VERY HARD TOGETHER,

21

00:01:57,300 --> 00:02:01,340

VERY CLOSELY FOR SEVERAL MONTHS  
AND SO ON THE OTHER HAND, I WILL

22

00:02:01,340 --> 00:02:03,450

BE -- SO FOR THIS REASON I WILL  
BE LEAVING SOMETHING REALLY

23

00:02:03,450 --> 00:02:06,430  
GREAT, MINIMAL.

24

00:02:06,430 --> 00:02:08,040  
AND SO MY FEELINGS ARE MIXED.

25

00:02:08,040 --> 00:02:09,840  
OKAY, THANK YOU, TOMAS.

26

00:02:09,840 --> 00:02:15,940  
WE ARE ME AT THE CITY OF SPACE  
THE SPACE CITY WE ARE HONORED TO

27

00:02:15,940 --> 00:02:20,250  
HAVE THE MAYOR OF TOULOUSE WHO  
IS HERE AT THE SPACE CENTER.

28

00:02:20,250 --> 00:02:27,709  
HE HAS A FEW QUESTIONS TO ASK OF  
YOU.

29

00:02:27,709 --> 00:02:33,450  
HELLO TOMAS, CERTAINLY HAPPY TO  
SPEND A FEW MOMENTS WITH YOU.

30

00:02:33,450 --> 00:02:36,140  
WE ARE VERY EMOTIONAL ABOUT IT.

31

00:02:36,140 --> 00:02:40,920  
THIS IS REALLY THE EUROPEAN  
ASTRONAUT REPRESENTATIVE, YOU

32

00:02:40,920 --> 00:02:44,430  
ARE THE ONLY EUROPEAN ABOARD THE  
SPACE CENTER.

33

00:02:44,430 --> 00:02:48,040  
AND SO WE WOULD LIKE TO KNOW  
WHETHER YOU FEEL PROUD OF BEING

34  
00:02:48,040 --> 00:02:50,840  
THE ONLY EUROPEAN IN SPACE?

35  
00:02:50,840 --> 00:02:52,750  
WELL, HELLO, MR.

36  
00:02:52,750 --> 00:02:53,750  
MAYOR.

37  
00:02:53,750 --> 00:03:00,349  
WELL, YES, LISTEN, FOR ME EUROPE  
IS A VERY CONCRETE CONCEPT.

38  
00:03:00,349 --> 00:03:04,069  
I LIVE IT ON A DAILY BASIS.

39  
00:03:04,069 --> 00:03:10,749  
I AM BASED IN COLOGNE, GERMANY  
AND I GO BACK AND FORTH TO

40  
00:03:10,749 --> 00:03:15,480  
FRANCE AND AROUND ME I SHARE AN  
OFFENSE WITH AN ENGLISH MAN, AN

41  
00:03:15,480 --> 00:03:19,879  
ITALIAN, MY BOSS IS BELGIAN SO  
IT'S EUROPE ON A DAILY BASIS

42  
00:03:19,879 --> 00:03:21,069  
WHICH WORKS WELL.

43  
00:03:21,069 --> 00:03:24,980  
IT'S SOMETHING THAT WE DON'T  
THINK ABOUT ON A NATIONAL BASIS,

44

00:03:24,980 --> 00:03:27,489  
IT'S ON A EUROPE-WIDE BASIS.

45  
00:03:27,489 --> 00:03:32,109  
WE CAN'T DO THINGS SIMPLY AS ON  
A NATION BY NATION BASIS WE NEED

46  
00:03:32,109 --> 00:03:36,219  
TO WORK TOGETHER TO BELIEVE ABLE  
TO SUPPORT THE PROGRAM ABOARD

47  
00:03:36,219 --> 00:03:39,330  
THE SPACE STATION BUT I AM VERY  
PROUD TO BE THE ONLY EUROPEAN

48  
00:03:39,330 --> 00:03:43,859  
HERE ABOARD THE SPACE STATION,  
HERE YOU CAN SAY I BRING MY

49  
00:03:43,859 --> 00:03:49,590  
FRENCH WITH ME, I TRY TO BRING A  
LITTLE BIT FROM FRANCE WITH ME,

50  
00:03:49,590 --> 00:03:53,319  
AND NEXT TIME IT WILL BE AN  
ITALIAN, AND HE WILL DO THAT AND

51  
00:03:53,319 --> 00:03:56,749  
IT'S KIND OF NEAT TO BE ABLE TO  
SHARE THIS WITH MY AMERICAN

52  
00:03:56,749 --> 00:04:00,590  
COLLEAGUES AND MY RUSSIANS AND  
SO, IN FACT, WE ARE ABLE TO

53  
00:04:00,590 --> 00:04:06,349  
SHARE A RICHNESS IN EUROPE WHICH  
LIES IN OUR DIVERSITY.

54  
00:04:06,349 --> 00:04:12,819

IN ANY CASE, WE ARE VERY PROUD  
TO BE ABLE TO RECEIVE YOU HERE.

55

00:04:12,819 --> 00:04:16,680  
AND WE'LL HAVE THE PLEASURE OF  
TANKING YOU IN A FEW MONTHS TO

56

00:04:16,680 --> 00:04:20,340  
CONFIRM -- TO BE ABLE TO RECEIVE  
YOU HERE AT THE SPACE CITY.

57

00:04:20,340 --> 00:04:25,590  
IT'S BEEN 20 YEARS THAT US BEEN  
AN OPERATION, IT'S BEEN A VERY

58

00:04:25,590 --> 00:04:26,630  
INCREDIBLE PERIOD.

59

00:04:26,630 --> 00:04:32,440  
AND THE WORLD CONGRESS OF  
ASTRONAUTS IS GOING TO BE HELD

60

00:04:32,440 --> 00:04:33,440  
HERE.

61

00:04:33,440 --> 00:04:36,190  
AND SO WE WOULD LIKE TO HAVE A  
CONFIRMATION FROM YOU AND WE'LL

62

00:04:36,190 --> 00:04:39,480  
HAVE THE GREAT PLEASURE TO BE  
ABLE TO GREET YOU HERE AND TO

63

00:04:39,480 --> 00:04:40,480  
RECEIVE YOU.

64

00:04:40,480 --> 00:04:43,670  
>> YES, ABSOLUTELY IT WILL BE A  
GREAT PLEASURE FOR ME TO RETURN

65  
00:04:43,670 --> 00:04:48,270  
TO TOULOUSE AND THIS IS WHERE  
OUR AERONAUTICAL ADVENTURE TOWER

66  
00:04:48,270 --> 00:04:53,710  
BEGAN, YOU KNOW THE WORLD  
ASTRONAUT CONGRESS THINK WE'LL

67  
00:04:53,710 --> 00:04:59,430  
HAVE A LOT OF THINGS TO SHOW TO  
SHE IS ASTRONAUTS AND THEY'LL

68  
00:04:59,430 --> 00:05:03,930  
WANT TO BE ABLE TO GUIDE THEM TO  
HELP THEM EXPLORE WHAT WE ARE

69  
00:05:03,930 --> 00:05:08,610  
ABLE TO OFFER ON A PROFESSIONAL  
BASIS AND ONCE THE CONGRESS IS

70  
00:05:08,610 --> 00:05:13,510  
OVER IN THE EVENING TO BE ABLE  
TO MEET THEM INFORMALLY.

71  
00:05:13,510 --> 00:05:17,970  
>> IF REALLY WARMS OUR HEART TO  
HEAR YOU RECALL YOUR YEARS IN

72  
00:05:17,970 --> 00:05:21,230  
TOULOUSE.

73  
00:05:21,230 --> 00:05:27,190  
CAN YOU TELL US WHAT CONTRIBUTED  
TO YOU TO BE IN TOULOUSE FOR

74  
00:05:27,190 --> 00:05:28,830  
THOSE EARLY YEARS?

75  
00:05:28,830 --> 00:05:32,800

>> WELL, SURE, TOULOUSE GAVE ME WINGS.

76

00:05:32,800 --> 00:05:38,000  
IT'S A METAPHOR, BUT IN A PERCENTAGE SENSE I HAD NEVER

77

00:05:38,000 --> 00:05:41,750  
TAKEN A PLANE IN MY LIFE, THE FIRST TIME I EVER TOOK A PLANE

78

00:05:41,750 --> 00:05:45,190  
WAS TO COME DOWN TO TOULOUSE TO STUDY THERE FROM MY BIRTH

79

00:05:45,190 --> 00:05:46,920  
COUNTRY OF NOMADY.

80

00:05:46,920 --> 00:05:49,230  
I HAD DISCOVERED SO MUCH THERE.

81

00:05:49,230 --> 00:05:51,541  
EVERYTHING TO DO WITH AERONAUTICS THAT WE HAD A

82

00:05:51,541 --> 00:05:55,020  
PRIVILEGE SITUATION, WE HAD AIR BUS ON ONE SIDE.

83

00:05:55,020 --> 00:05:56,020  
S.O.

84

00:05:56,020 --> 00:06:00,290  
ON THE OTHER AND THE CIVIL COLONIZATION EFFORTS ALL OF THIS

85

00:06:00,290 --> 00:06:05,010  
WHICH MAKES UP A PROFESSIONAL FRAMEWORK AND FABRIC HAVING TO

86  
00:06:05,010 --> 00:06:09,120  
DO WITH SPACE AND AERONAUTICS, I  
DISCOVERED EVERYTHING OVER

87  
00:06:09,120 --> 00:06:10,120  
THERE.

88  
00:06:10,120 --> 00:06:12,960  
I LEARNED HOW TO PILOT SMALL  
PLANES, I LEARNED THOUSAND

89  
00:06:12,960 --> 00:06:16,910  
PARACHUTE, I OPENED MYSELF UP TO  
THE INTERNATIONAL PERSPECTIVE

90  
00:06:16,910 --> 00:06:20,180  
AND SO I LEARNED AN ENORMOUS  
AMOUNT OF THINGS IN TOULOUSE

91  
00:06:20,180 --> 00:06:23,540  
WHICH IS SOMETHING THAT  
ABSOLUTELY HAS LED UP TO MY

92  
00:06:23,540 --> 00:06:26,659  
BEING HERE IN THE SPACE CENTER  
TODAY -- SPACE STATION TODAY.

93  
00:06:26,659 --> 00:06:29,090  
>> THANK YOU VERY MUCH.

94  
00:06:29,090 --> 00:06:35,710  
I WOULD LIKE TO PRESENT YOU A  
LAST QUESTION.

95  
00:06:35,710 --> 00:06:38,610  
WHICH A LOT OF PEOPLE THINK  
HERE, WHAT IS YOUR BEST

96  
00:06:38,610 --> 00:06:43,460

REMEMBRANCE OF -- OF SPACE?

97

00:06:43,460 --> 00:06:47,180

>> THAT'S A VERY GOOD QUESTION.

98

00:06:47,180 --> 00:06:51,320

I HAVE SO MANY GOOD MEMORIES  
ABOUT WORKING IN THE SPACE

99

00:06:51,320 --> 00:06:55,420

STATION, ONE OF MY FIRST  
MEMORIES IS THE FIRST TIME THE

100

00:06:55,420 --> 00:06:58,420

SUN ROSE, WE LEFT AT NIGHT.

101

00:06:58,420 --> 00:07:01,780

WE KNEW THAT WE HAD ARRIVED IN  
ORBIT AND EVERYTHING WAS DARK

102

00:07:01,780 --> 00:07:02,780

AND WE SAW NOTHING.

103

00:07:02,780 --> 00:07:06,970

AND THEN ALL OF A SUDDEN I SAW  
THE SUNRISE AND FOLLOWING THE

104

00:07:06,970 --> 00:07:10,320

CURVE OF THE EARTH ALONG THE  
HORIZON.

105

00:07:10,320 --> 00:07:15,640

AND THEN EVERYTHING CAME ALONG  
IN VIEW, THE SEA, THE CLOUDS, IT

106

00:07:15,640 --> 00:07:17,740

WAS REALLY MAGNIFICENT.

107

00:07:17,740 --> 00:07:21,440

I THINK SOMETHING THAT WILL  
EQUAL THAT IS MY FIRST EXTRA

108

00:07:21,440 --> 00:07:26,810  
VEHICULAR EXIT WHEN WE WERE  
SUSPENDED IN SPACE AND THE

109

00:07:26,810 --> 00:07:28,420  
EMPTINESS IN THE VACUUM.

110

00:07:28,420 --> 00:07:30,910  
SOMETHING OF COURSE THAT WE HAD  
SUN DOME TIMES IN TRAINING BUT

111

00:07:30,910 --> 00:07:36,280  
TO ACTUALLY DO IT FOR REAL WAS  
REALLY QUITE AN EMOTIONAL.

112

00:07:36,280 --> 00:07:39,770  
THOSE ARE MY TOP TWO MEMORIES I  
THINK.

113

00:07:39,770 --> 00:07:46,910  
ANOTHER WOULD BE ABLE TO GET UP  
ON THE PODIUM AND TALK ABOUT MY

114

00:07:46,910 --> 00:07:47,910  
EXPERIENCES.

115

00:07:47,910 --> 00:07:49,490  
THAT WILL BE MY THIRD GREAT  
MEMORY.

116

00:07:49,490 --> 00:07:52,240  
>> THOMAS WELDS LIKE TO THANK  
YOU FOR HAVING TAKEN A LITTLE

117

00:07:52,240 --> 00:07:59,870  
TIME AND TO TIE LOG WITH US, FOR  
US IT'S A MARVELOUS THING TO

118

00:07:59,870 --> 00:08:01,220

TALK TO YOU FROM HERE.

119

00:08:01,220 --> 00:08:07,990

AND, OF COURSE, TO BE ABLE TO  
SEE YOU AS A CONNECTED ASTRONAUT

120

00:08:07,990 --> 00:08:09,470

ENTITLED TO SUCH UP IN SPACE.

121

00:08:09,470 --> 00:08:14,500

BUT IN ANY CASE, WE WISH YOU EYE  
GOOD RESULT FROM NOW UNTIL THE

122

00:08:14,500 --> 00:08:17,390

END OF YOUR MISSION AND WE ARE  
LOOKING FORWARD TO THE PLEASURE

123

00:08:17,390 --> 00:08:19,110

OF SEEING YOU IN PERSON.

124

00:08:19,110 --> 00:08:20,830

>> THANK YOU, MR.

125

00:08:20,830 --> 00:08:22,590

MAYOR.

126

00:08:22,590 --> 00:08:26,560

AND I WOULD LIKE TO RETURN  
SALUTATIONS TO YOU.

127

00:08:26,560 --> 00:08:32,190

SO WE HAVE A RENDEZVOUS WITH YOU  
IN OKAY.

128

00:08:32,190 --> 00:08:34,280

>> SUPER.

129

00:08:34,280 --> 00:08:39,510

WE HAVE SO MANY QUESTIONS THAT  
WE WOULD LIKE TO POSE FOR

130

00:08:39,510 --> 00:08:40,659

THOMAS.

131

00:08:40,659 --> 00:08:44,000

HERE IS A YOUNG MAN WHO CAME  
HERE WHO WOULD LIKE TO POSE A

132

00:08:44,000 --> 00:08:49,160

QUESTION TO YOU SO THAT WE CAN  
LISTEN RIGHT AWAY.

133

00:08:49,160 --> 00:08:58,370

>> HELLO, THOMAS, MY NAME IS  
[ INAUDIBLE ] AND I HAVE A

134

00:08:58,370 --> 00:08:59,370

QUESTION FOR YOU.

135

00:08:59,370 --> 00:09:05,810

I HAVE NOTICED THAT IN SPACE  
YOUR HAREN INNING.

136

00:09:05,810 --> 00:09:09,410

THANK YOU VERY MUCH.

137

00:09:09,410 --> 00:09:15,279

CAN YOU TELL US ABOUT YOUR HAIR  
GROWTH UP THERE.

138

00:09:15,279 --> 00:09:19,079

>> THAT'S A FAIRLY GOOD  
QUESTION.

139

00:09:19,079 --> 00:09:23,449

I HAVEN'T STUDIED VERY MUCH ON

THE SUBJECT BUT IT'S SOMETHING

140

00:09:23,449 --> 00:09:27,529

THAT MY FEELING IS THAT HAIR  
GROWS A LITTLE FASTER, THAT'S

141

00:09:27,529 --> 00:09:29,589

THE IMPRESSION THAT I HAVE.

142

00:09:29,589 --> 00:09:34,269

MAYBE IT'S BECAUSE I HAVE TO CUT  
MY OWN HAIR.

143

00:09:34,269 --> 00:09:39,750

AND SO IT POSES MORE PROBLEMS  
FOR ME THAN A EARTH, I AM NOT

144

00:09:39,750 --> 00:09:40,750

SURE.

145

00:09:40,750 --> 00:09:42,839

WE WOULD NEED A FEW STATISTICS  
TO SEE, WE WOULD NEED A GREAT

146

00:09:42,839 --> 00:09:46,589

NUMBER OF DOCTORS STUDYING THE  
SUBJECT.

147

00:09:46,589 --> 00:09:49,769

WHICH MIGHT BE SOMETHING THAT WE  
MIGHT STUDY THE NEXT TIME WE

148

00:09:49,769 --> 00:09:57,439

HAVE AN ISS MISSION.

149

00:09:57,439 --> 00:10:01,240

>> ANY VISITORS HERE -- MANY  
VISITORS HERE HAVE ALSO ENGAGED

150

00:10:01,240 --> 00:10:05,569  
IN EXPERIENCE WITH US,  
ANIMATION, TO BE ABLE TO SHARE A

151  
00:10:05,569 --> 00:10:06,940  
LITTLE BIT OF YOUR LIFE.

152  
00:10:06,940 --> 00:10:12,699  
THE QUESTION THAT ARISES IS HOW  
DO YOU FEEL ABOUT THE WEIGHT?

153  
00:10:12,699 --> 00:10:14,790  
IT'S A VERY CONCRETE QUESTION.

154  
00:10:14,790 --> 00:10:20,660  
I WOULD LIKE TO EXPLAIN TO  
YOU -- HOW DO YOU WASH YOUR

155  
00:10:20,660 --> 00:10:24,329  
TEETH, FOR EXAMPLE?

156  
00:10:24,329 --> 00:10:26,399  
>> WELL, NOTHING IS SIMPLE.

157  
00:10:26,399 --> 00:10:28,589  
WELL, ACTUALLY NOTHING IS SIMPLE  
IN THE SPACE STATION.

158  
00:10:28,589 --> 00:10:31,730  
YOU HAVE TO LEARN A LOT OF DAILY  
ACTIVITIES, HOW TO SLEEP, EAT,

159  
00:10:31,730 --> 00:10:36,569  
TAKE CARE OF YOUR HYGIENIC  
NEEDS, WE HAVE TO ADAPT TO.

160  
00:10:36,569 --> 00:10:39,350  
BUT IT'S FAIRLY EASY ONCE YOU  
GET THE HANG OF IT.

161  
00:10:39,350 --> 00:10:43,209  
HERE IS OUR TOOTHBRUSH, WE HAVE  
OUR TOOTHPASTE JUST LIKE ON

162  
00:10:43,209 --> 00:10:44,209  
EVERYTHING.

163  
00:10:44,209 --> 00:10:47,570  
WE BRUSH OUR TEETH, RINSE OUR  
MOUTH.

164  
00:10:47,570 --> 00:10:52,370  
TENDS OF BRUSHING THE TEETH WE  
SIMPLY SWALLOW THE TOOTHPASTE

165  
00:10:52,370 --> 00:10:56,360  
IT'S NOT TOXIC IF YOU DON'T  
SWALLOW IT TOO MUCH IT'S NOT A

166  
00:10:56,360 --> 00:10:57,360  
PROBLEM.

167  
00:10:57,360 --> 00:11:01,460  
AND SO WE HAVE BEEN ABLE TO  
BRUSH OUR TEETH ABOARD THE SPACE

168  
00:11:01,460 --> 00:11:03,519  
STATION.

169  
00:11:03,519 --> 00:11:10,689  
>> WELL, THAT'S EXACTLY THE SAME  
THING THAT OUR VISITORS TELL US.

170  
00:11:10,689 --> 00:11:14,819  
YOU JUST HAVE TO SWALLOW THE  
TOOTHPASTE.

171  
00:11:14,819 --> 00:11:21,040  
A LOT OF PEOPLE HAVE GOT IN

TOUCH WITH US VIA FACEBOOK ONE

172

00:11:21,040 --> 00:11:24,809

OF THEM'S NAME IS LAURA, AND SHE  
WOULD LIKE TO ASK YOU A QUESTION

173

00:11:24,809 --> 00:11:26,470

AND WE'LL LISTEN TO IT.

174

00:11:26,470 --> 00:11:34,430

HELLO, THOMAS, MY NAME A LAURA  
TALKING ABOUT YOUR FIRST EXTRA

175

00:11:34,430 --> 00:11:41,949

VEHICULAR SORTIE, HOW DID YOU  
FEEL ABOUT IT?

176

00:11:41,949 --> 00:11:42,949

DID YOU FEEL ANY DIZZINESS?

177

00:11:42,949 --> 00:11:43,959

THAT'S A VERY GOOD QUESTION.

178

00:11:43,959 --> 00:11:47,029

NO, I DID NOT FEEL ANY  
DIZZINESS.

179

00:11:47,029 --> 00:11:51,019

I HAVE -- I HAD BEEN IN SPACE  
FOR QUITE A WHILE, SO MY BRAIN

180

00:11:51,019 --> 00:11:53,170

HAD ADAPTED TO IT.

181

00:11:53,170 --> 00:11:55,589

YOU DON'T HAVE THE FEELING THAT  
YOU ARE GOING TO FALL.

182

00:11:55,589 --> 00:11:58,970

ACTUALLY THERE IS A CONSIDERABLE  
AMOUNT OF STABILITY OUT THERE

183

00:11:58,970 --> 00:12:03,550

AND SOMETHING THAT YOUR BRAIN,  
OF COURSE, TAKES IN, INTEGRATES,

184

00:12:03,550 --> 00:12:04,550

IT FELT NATURAL.

185

00:12:04,550 --> 00:12:08,970

I WENT OUT IN TO SPACE AND SO  
THERE I WAS JUST HANGING ONTO --

186

00:12:08,970 --> 00:12:15,360

HANGING ONTO, YOU KNOW, MY  
CABLES THAT KEPT ME IN SAFETY.

187

00:12:15,360 --> 00:12:20,199

AND SO IT'S NOT QUITE LIKE  
GEORGE CLOONEY IN GRAVITY.

188

00:12:20,199 --> 00:12:23,670

BUT I HAD TO BE CAREFUL I DIDN'T  
HAVE A FEELING OF FALLING.

189

00:12:23,670 --> 00:12:27,399

I LOOK AT MY FEET AND I SAW  
450-KILOMETERS OF SPACE BELOW

190

00:12:27,399 --> 00:12:28,399

ME.

191

00:12:28,399 --> 00:12:32,329

I FELT KIND OF STRANGE AND  
FUNNY, NOT A SENSATION OF

192

00:12:32,329 --> 00:12:33,329

HEIGHT.

193

00:12:33,329 --> 00:12:34,329

IT FELT VERY NATURAL.

194

00:12:34,329 --> 00:12:36,890

I THINK IT'S THANKS FOR THE  
TRAINING AND TO THE FACT THAT

195

00:12:36,890 --> 00:12:41,069

THE BRAIN ADAPTS TO  
WEIGHTLESSNESS.

196

00:12:41,069 --> 00:12:48,600

>> THANK YOU, THOMAS.

197

00:12:48,600 --> 00:12:51,420

HERE IS ANOTHER QUESTION FROM  
PETER.

198

00:12:51,420 --> 00:12:58,129

ALSO FROM -- DEVINE A IS HERE  
SHE HAS A QUESTION FOR YOU.

199

00:12:58,129 --> 00:13:01,519

CAN YOU ASK A QUESTION OF TOMAS.

200

00:13:01,519 --> 00:13:03,589

>> HELLO, TOMAS.

201

00:13:03,589 --> 00:13:08,449

OUT IN SPACE IS YOUR ELECTRIC  
EQUIPMENT DISTURBED OR

202

00:13:08,449 --> 00:13:10,399

PERTURBED?

203

00:13:10,399 --> 00:13:11,490

>> THAT'S A GOOD QUESTION.

204

00:13:11,490 --> 00:13:15,649  
YES AND NO.

205  
00:13:15,649 --> 00:13:19,920  
THE ELECTRIC PRINCIPLES OF SAME.

206  
00:13:19,920 --> 00:13:24,829  
THE NUMERICAL EXCHANGE THE  
ELETRONICS ARE NOT AFFECTED OUT

207  
00:13:24,829 --> 00:13:25,829  
HERE.

208  
00:13:25,829 --> 00:13:29,140  
BUT THERE ARE CERTAIN SPECIAL  
CONSEQUENCE THAT HIS ARISE, FOR

209  
00:13:29,140 --> 00:13:32,680  
EXAMPLE, WE DON'T HAVE SEDIMENT  
TAKE OF GASES.

210  
00:13:32,680 --> 00:13:36,529  
THE COLD GASES DO NOT DESCEND AS  
THEY DO ON EARTH.

211  
00:13:36,529 --> 00:13:42,709  
WHEN IT COMES TO ELECTRIC  
DEVICES IT'S A LITTLE BIT MORE

212  
00:13:42,709 --> 00:13:43,709  
COMPLICATED.

213  
00:13:43,709 --> 00:13:47,160  
WE DON'T HAVE FOR EXAMPLE  
MIGRATION OF HOTTER GASES AS

214  
00:13:47,160 --> 00:13:49,990  
HAPPENS ON EARTH.

215

00:13:49,990 --> 00:13:55,059  
ON EARTH WE HAVE VENTILATION, WE  
HAVE WATER CIRCUS, COOL WATER.

216  
00:13:55,059 --> 00:13:59,769  
ALL OF WHICH MIGHT EFFECT OUR  
ELECTRICS, BUT IN SPACE, ON THE

217  
00:13:59,769 --> 00:14:03,110  
OTHER HAND, EVERYTHING IS MORE  
COMPLICATED.

218  
00:14:03,110 --> 00:14:06,079  
WE HAVE TO CHANGE THE WAY WE  
THINK ON EARTH.

219  
00:14:06,079 --> 00:14:09,209  
SO WE HAVE SOME THINGS DESIGNED  
TO FUNCTION UP HERE.

220  
00:14:09,209 --> 00:14:12,459  
SO YOU DON'T HAVE TO -- WE DO  
NOT USE EQUIPMENT THAT FUNCTIONS

221  
00:14:12,459 --> 00:14:16,910  
ON EVERYTHING AND PLOP IT UP AND  
USE IT, WE HAVE TO USE SPECIALLY

222  
00:14:16,910 --> 00:14:25,740  
DESIGNED EQUIPMENT AND  
APPARATUS.

223  
00:14:25,740 --> 00:14:28,939  
>> WELL, QUITE A LOT OF FOLKS  
HAVE COME TODAY.

224  
00:14:28,939 --> 00:14:33,850  
WE HAVE A LOT OF STUDENTS, A LOT  
OF -- FROM HIGH SCHOOLS, FROM

225

00:14:33,850 --> 00:14:40,490  
COLLEGES, AND HERE IS EMMA.

226  
00:14:40,490 --> 00:14:42,730  
FROM THE AERONAUTICS SCHOOL.

227  
00:14:42,730 --> 00:14:48,970  
>> HELLO, TOMAS, WE WANTED TO  
KNOW WHAT YOU DO TO PREPARE

228  
00:14:48,970 --> 00:14:51,899  
YOURSELF FOR AN EXODUS TO SPACE.

229  
00:14:51,899 --> 00:14:53,070  
>> HELLO, EMMA.

230  
00:14:53,070 --> 00:14:57,069  
YES, THERE IS A SPECIAL  
PREPARATION AND TRAINING ON

231  
00:14:57,069 --> 00:14:58,069  
EARTH.

232  
00:14:58,069 --> 00:15:00,580  
TO GO OUT IN SPACE IS ONE OF THE  
MOST DIFFICULT THINGS

233  
00:15:00,580 --> 00:15:01,580  
SPECIFICALLY.

234  
00:15:01,580 --> 00:15:05,829  
I WAS IN A SPACE SUIT THAT --  
THERE IS A GREAT DEAL OF

235  
00:15:05,829 --> 00:15:07,820  
PRESSURE BETWEEN THE OUTSIDE AND  
INSIDE.

236  
00:15:07,820 --> 00:15:10,850

IT'S RIDGE I HAD AND HARD TO  
MOVE AROUND IN IT.

237

00:15:10,850 --> 00:15:15,889

WE ARE ASKED TO GO OUT AND MOVE  
AROUND ON THE OUTSIDE OF THE

238

00:15:15,889 --> 00:15:20,350

SPACE CENTER, STATION, TO  
PERFORM REPAIRS.

239

00:15:20,350 --> 00:15:25,230

AND NEXT IT'S AS IF YOU FEEL A  
REDUCED PRESSURE INSIDE THE

240

00:15:25,230 --> 00:15:26,670

SPACE SUIT.

241

00:15:26,670 --> 00:15:28,660

AND SO YOU HAVE TO ADAPT TO  
THAT.

242

00:15:28,660 --> 00:15:33,110

IT'S A LITTLE BIT LIKE GOING  
FROM LOWER DEPTH IN THE WATER TO

243

00:15:33,110 --> 00:15:36,040

COMING BACK UP.  
AND WE HAVE TO BE CAREFUL NOT TO

244

00:15:36,040 --> 00:15:40,199

HAVE DECOMPRESSION EFFECT OUR  
NITROGEN LEVELS IN THE BLOOD,

245

00:15:40,199 --> 00:15:42,939

FOR EXAMPLE.

246

00:15:42,939 --> 00:15:47,319

WITH ALL OF THE SYSTEMS THAT WE  
NEED HERE IN THE SPACE CENTER,

247

00:15:47,319 --> 00:15:50,480

SPACE STATION, TO FILTER AIR.

248

00:15:50,480 --> 00:15:53,910

IF I NEED TO GET BACK IN TO THE  
STATION THERE ARE VARIOUS

249

00:15:53,910 --> 00:15:59,809

ATTACHMENTS THAT ARE ATTACHED TO  
THE BELT, WHICH KEEPS MY TOOLS

250

00:15:59,809 --> 00:16:04,050

FROM DRIFTING OFF.  
AND SO WHAT WE HAVE PLANNED FOR

251

00:16:04,050 --> 00:16:07,290

THE EXTRA VEHICLE OR SORTIE  
THREE WEEKS IN ADVANCE.

252

00:16:07,290 --> 00:16:11,290

THAT WE SPENDS AN HOUR HERE, AN  
HOUR THERE, THEN MAYBE THREE

253

00:16:11,290 --> 00:16:14,589

HOURS, WE BASICALLY HAVE ENOUGH  
TIME THAT WE ARE OUT.

254

00:16:14,589 --> 00:16:23,489

IT'S A COMPLICATED THING AND IT  
REQUIRES A LOT OF WORK

255

00:16:23,489 --> 00:16:24,489

TO  
PREPARE.

256

00:16:24,489 --> 00:16:25,489

>> GOOD.

257

00:16:25,489 --> 00:16:26,489

WELL, THANK YOU.

258

00:16:26,489 --> 00:16:27,489

WELL, WE HAVE ONE MORE QUESTION.

259

00:16:27,489 --> 00:16:28,589

HELLO, TOMAS.

260

00:16:28,589 --> 00:16:41,529

I WOULD LIKE TO POSE YOU A  
QUESTION, CAN YOU GIVE US SORT

261

00:16:41,529 --> 00:16:43,389

OF YOUR PROGRAM SINCE YOU GOT UP  
THIS MORNING.

262

00:16:43,389 --> 00:16:45,139

TELL US WHAT YOU HAVE DONE.

263

00:16:45,139 --> 00:16:49,110

>> WELL, YES, THAT'S A GOOD  
QUESTION.

264

00:16:49,110 --> 00:16:53,199

MY SCHEDULE IS RIGHT HERE ON THE  
COMPUTER BEHIND ME.

265

00:16:53,199 --> 00:16:56,869

IT IS CONTROLLED BY THE EARTH  
CONTROL CENTER.

266

00:16:56,869 --> 00:17:02,040

AND THEY DIALOGUE WITH ME BY  
RADIO THROUGHOUT THE DAY.

267

00:17:02,040 --> 00:17:07,779

THIS MORNING, OF COURSE, I AROSE  
AT 6:00, I DID MY 2 1/2 HOURS OF

268

00:17:07,779 --> 00:17:08,799

SPORTS.

269

00:17:08,799 --> 00:17:13,579

WITH ALL THE CONTROL FEATURES  
THAT HELP ME TO POSE QUESTIONS

270

00:17:13,579 --> 00:17:19,000

TO ME AND IMPART ANSWERS, I DID  
MY EXERCISES AND THEN WE HAD A

271

00:17:19,000 --> 00:17:21,150

CONFERENCE WITH THE DOCTORS.

272

00:17:21,150 --> 00:17:23,449

THE PHYSICAL PHYSICIANS.

273

00:17:23,449 --> 00:17:27,809

THEN WORKED WITH SATELLITE  
CABLES TO BE ABLE TO LAWN.

274

00:17:27,809 --> 00:17:31,930

I PREPARED ALL OF THIS, FOR THIS  
AFTERNOON.

275

00:17:31,930 --> 00:17:35,750

WE ARE PREPARING FOR THE EXTRA  
VEHICULAR ACTIVITY.

276

00:17:35,750 --> 00:17:39,169

TWO COLLEAGUES WILL BE GOING OUT  
IN THEIR SPACE SUITS, I WILL BE

277

00:17:39,169 --> 00:17:46,399

INSIDE THE SMALL SPACE VEHICLE  
TO BE SURE THAT EVERYTHING IS

278

00:17:46,399 --> 00:17:47,399

OPERATING PROPERLY.

279

00:17:47,399 --> 00:17:50,980

AFTER THAT I AM GOING TO BE  
WORKING WITH THE WATER RECYCLING

280

00:17:50,980 --> 00:17:54,549

STATION ABOARD THE SPACE STATION  
AND THIS WILL BRING ME TO ABOUT

281

00:17:54,549 --> 00:17:59,530

1730 -- I AM SORRY, 1930, ABOUT  
7:30 P.M. AND THEN IT WILL BE

282

00:17:59,530 --> 00:18:01,940

TIME TO EAT.  
AND THEN EVERYBODY GOES BACK TO

283

00:18:01,940 --> 00:18:06,310

HIS OWN QUARTERS AND, OF COURSE,  
WE WILL NATURALLY REMAIN ABOARD

284

00:18:06,310 --> 00:18:11,580

THE SPACE STATION THAT'S WHERE  
WE WORK BUT ALSO WHERE WE LIVE.

285

00:18:14,090 --> 00:18:12,690

THANK YOU VERY MUCH.

286

00:18:14,090 --> 00:18:15,090

THOMAS.

287

00:18:15,090 --> 00:18:19,679

ONE LAST QUESTION QUICKLY, ONE  
MORE QUESTION WITH LEILA.

288

00:18:19,679 --> 00:18:23,240

SHE IS FROM THE JUNIOR COLLEGE.

289

00:18:23,240 --> 00:18:25,380

HELLO, LEILA.

290

00:18:25,380 --> 00:18:30,110

I WOULD LIKE TO KNOW WHETHER YOU  
ENGAGED IN A PARTICULAR SPORT

291

00:18:30,110 --> 00:18:33,920

ABOARD THE STATION, IF SO, WHICH  
ONE?

292

00:18:33,920 --> 00:18:39,740

>> YES, WE DO VARIOUS SORT OF  
ARTISTIC ACROBATICS BECAUSE WE

293

00:18:39,740 --> 00:18:41,519

CAN MOVE IN EVERY DIRECTION.

294

00:18:41,519 --> 00:18:43,500

WE DO WHATEVER IS REQUIRED.

295

00:18:43,500 --> 00:18:46,330

SO IT'S NOT TO LOSE MUSCLE MASS,  
WE WANT TO BE SURE THAT WE DON'T

296

00:18:46,330 --> 00:18:49,840

GET BACK TO EARTH IN HEY FRAGILE  
CONDITION, WE WANT TO BE SURE

297

00:18:49,840 --> 00:18:51,130

THAT OUR CIRCULATION IS GOOD.

298

00:18:51,130 --> 00:18:53,440

WE DON'T WORK WITH WEIGHTS, OF  
COURSE, BECAUSE NATURALLY THERE

299

00:18:53,440 --> 00:18:55,720

IS NO WEIGHT HERE.

300

00:18:55,720 --> 00:19:00,399

YOU CAN LIFT 100-KILOGRAMS, FOR  
EXAMPLE, BUT IT DOESN'T DO YOU

301

00:19:00,399 --> 00:19:02,179  
ANY GOOD.

302

00:19:02,179 --> 00:19:06,149  
BUT WE WORK WITH ELASTIC  
EQUIPMENT IN THAT LITTLE

303

00:19:06,149 --> 00:19:08,730  
DEPARTMENT OVER THERE --  
COMPARTMENT OVER THERE, THAT'S

304

00:19:08,730 --> 00:19:12,710  
WHAT WE DO IS WE HAVE RESISTENCE  
TRAINING.

305

00:19:12,710 --> 00:19:19,299  
>> THOMAS, IT'S OVER.

306

00:19:19,299 --> 00:19:23,019  
WE WOULD REALLY LIKE TO THANK  
YOU FOR YOUR INTERVIEW FROM UP

307

00:19:23,019 --> 00:19:24,730  
IN SPACE.

308

00:19:24,730 --> 00:19:30,171  
AND SO WE REALLY WISH TO HOPE  
YOU SOON BACK AT THE -- HOST YOU

309

00:19:30,171 --> 00:19:34,399  
SOON BACK AT THE SPACE CENTER,  
IF YOU CAN BRING THAT MARS ROCK

310

00:19:34,399 --> 00:19:36,580  
TO SHOW TO YOU.

311

00:19:36,580 --> 00:19:38,880

>> YES, BUT HERE IT IS.

312

00:19:38,880 --> 00:19:43,080

I DON'T KNOW IF THE CAMERA WILL  
SHOW IT, BUT HERE IS THE MARS

313

00:19:43,080 --> 00:19:46,580

ROCK WHICH WAS GIVEN TO ME TO  
BRING UP IN SPACE.

314

00:19:46,580 --> 00:19:50,680

AS YOU CAN SEE, IT HAS A  
PARTICULAR PLACE IN THE SPACE

315

00:19:50,680 --> 00:19:53,120

STATION.

316

00:19:53,120 --> 00:19:57,169

I MAKE SURE TO KEEP CLOSE WATCH  
ON IT BECAUSE I KNOW HOW

317

00:19:57,169 --> 00:20:00,130

PRECIOUS IT IS.

AND I WILL BE LOOKING FORWARD TO

318

00:20:00,130 --> 00:20:02,720

BRINGING IT TO EARTH.

319

00:20:02,720 --> 00:20:06,049

WHO KNOWS SOME DAY WE'LL BE  
SEEING THE SAME KIND OF ROCK ON

320

00:20:06,049 --> 00:20:09,700

MARS WHEN WE GET THERE.

321

00:20:09,700 --> 00:20:12,260

>> MAYBE YOU'LL BE THE ONE TO  
BRING A PIECE OF ROCK BACK FROM

322

00:20:12,260 --> 00:20:13,260

MARS?

323

00:20:13,260 --> 00:20:15,789

WE WISH YOU ALL THE BEST FOR A  
SUCCESSFUL CONCLUSION AND THANKS

324

00:20:15,789 --> 00:20:18,570

AGAIN TOMAS FOR HAVING ABOUT  
WITH US AND WE'LL SEE YOU SOON

325

00:20:18,570 --> 00:20:19,799

BACK FROM SPACE.

326

00:20:19,799 --> 00:20:20,950

>> THANKS AGAIN.

327

00:20:20,950 --> 00:20:22,099

>> MY PLEASURE.

328

00:20:22,099 --> 00:20:25,800

>> IT'S A GREAT PLEASURE TO BE  
WITH ALL OF YOU TODAY, I WISH

329

00:20:25,800 --> 00:20:28,640

YOU ALL A GREAT DAY FROM SPACE.

330

00:20:28,640 --> 00:20:32,179

>> STATION, THIS IS HOUSTON ACR.

331

00:20:32,179 --> 00:20:35,830

THAT CONCLUDES THE EVENTS.