

A wide-angle view from space looking down at the Earth. The planet's surface is dark, with a prominent, vibrant green aurora borealis (northern lights) stretching across the horizon. The aurora has a wavy, ethereal appearance with varying shades of green and yellow. The background is the deep black of space, filled with numerous small, bright stars. In the upper left, a portion of a red, hexagonal satellite component is visible. On the right side, the dark silhouette of an astronaut's helmet and part of a space suit is visible, looking out over the planet.

DOWN TO EARTH

THE ASTRONAUT'S PERSPECTIVE

1
00:00:02,001 --> 00:00:04,571
- THE LITTLE
RED LIGHT IS ON.

2
00:00:04,571 --> 00:00:06,039
- Producer: WE ARE ROLLING.
- Reid Wiseman: ALL RIGHT.

3
00:00:07,440 --> 00:00:08,908
- Producer: MARK IT.

4
00:00:11,211 --> 00:00:12,746
- Producer: CAMERA ONE.

5
00:00:12,746 --> 00:00:18,418
■■■

6
00:00:18,418 --> 00:00:20,487
- Anne McClain: YOU KNOW,
MOST KIDS, YOU START THINKING

7
00:00:20,487 --> 00:00:23,690
AT AN EARLY AGE, AS SOON AS
YOU LOOK AT THE SKY AT NIGHT

8
00:00:23,690 --> 00:00:26,192
AND YOU SEE STARS,
AND YOU THINK,

9
00:00:26,192 --> 00:00:28,862
WHAT WOULD IT BE LIKE
TO BE UP THERE.

10
00:00:28,862 --> 00:00:30,997
AND NO MATTER WHERE WE GROW UP, EVERYBODY LOOKS UP AT THE SKY

11
00:00:30,997 --> 00:00:33,166
AND SAYS,
"WHAT ELSE IS OUT THERE?"

12

00:00:33,166 --> 00:00:34,434

- Jessica: Meir: I STARTED SAYING I WANTED TO BE

13

00:00:34,434 --> 00:00:37,303

AN ASTRONAUT WHEN I WAS FIVE
YEARS OLD, ACCORDING TO MY MOM.

14

00:00:37,303 --> 00:00:38,972

- Alvin Drew: IT WAS
THE BEGINNING OF OUR ASTRONAUTS

15

00:00:38,972 --> 00:00:40,340

MAKING THEIR WAY
UP TO THE MOON.

16

00:00:40,340 --> 00:00:42,075

I REMEMBER COMING BACK,
LIKE, WHAT IS THIS?

17

00:00:42,075 --> 00:00:44,477

YOU KNOW, HOW DO I GO DO THIS? THIS LOOKS LIKE FUN.

18

00:00:44,477 --> 00:00:45,945

- Tracy Dyson: I LOOKED
AT WHAT NASA WAS DOING.

19

00:00:45,945 --> 00:00:47,781

I WAS LIKE, "I WANT
TO BE AN ASTRONAUT,"

20

00:00:47,781 --> 00:00:50,917

SO, IN A NUTSHELL,
THAT'S KINDA WHAT HAPPENED.

21

00:00:50,917 --> 00:00:52,852

- Michael Foreman: I GOT
INTO NAVY TEST PILOT SCHOOL

22

00:00:52,852 --> 00:00:55,054

AND THEN STARTED
TO APPLY TO NASA.

23

00:00:55,054 --> 00:00:57,891

- Don Pettit: THERE WAS, LIKE, 6,000 PEOPLE THAT APPLIED

24

00:00:57,891 --> 00:01:00,727

FOR, YOU KNOW,
15 SLOTS,

25

00:01:00,727 --> 00:01:05,765

AND I INTERVIEWED
FOUR TIMES OVER TWELVE YEARS.

26

00:01:06,900 --> 00:01:10,236

- Mike Fossum: I APPLIED MULTIPLE TIMES OVER 13 YEARS,

27

00:01:10,236 --> 00:01:13,840

AND INTERVIEWED FIVE TIMES BEFORE I WAS SELECTED.

28

00:01:13,840 --> 00:01:16,242

- Bill McArthur: I DID
SUBMIT SEVEN APPLICATIONS

29

00:01:16,242 --> 00:01:17,877

ALONG THE WAY, BUT...

30

00:01:17,877 --> 00:01:19,379

- Michael Foreman: I GOT REJECTED BY NASA SEVEN TIMES,

31

00:01:19,379 --> 00:01:20,914

BUT THE EIGHTH TIME...

32

00:01:20,914 --> 00:01:22,982

- Mike Fossum:
AND THE FOURTH TIME,

33

00:01:22,982 --> 00:01:25,652

I GOT A PHONE CALL THAT SAID,
IF YOU'RE STILL INTERESTED

34

00:01:25,652 --> 00:01:29,022
IN BEING AN ASTRONAUT, WE'D LIKE
YOU TO COME TO HOUSTON.

35

00:01:52,412 --> 00:01:54,547
- Mike Fossum: FINALLY,
IT'S LAUNCH DAY.

36

00:01:54,547 --> 00:01:55,849
- David Saint-Jacques:
LAUNCHING TO SPACE, OF COURSE,

37

00:01:55,849 --> 00:01:57,717
WAS A MOMENTOUS
EXPERIENCE.

38

00:01:57,717 --> 00:02:00,887
- Drew Morgan: YOU SEE THAT
THIS ROCKET IS A LIVING,

39

00:02:00,887 --> 00:02:03,623
BREATHING BEAST.
THE THING IS ALIVE,

40

00:02:03,623 --> 00:02:05,391
AND IT WANTS TO GO.

41

00:02:05,391 --> 00:02:09,028
- Alvin Drew: IT SUDDENLY
FEELS LIKE IT'S REAL.

42

00:02:09,028 --> 00:02:10,864
- Michael Foreman: FIRST THING, YOU KNOW, YOU'RE STRAPPED IN

43

00:02:10,864 --> 00:02:13,800
THIS SPACE SHUTTLE
ON THE LAUNCH PAD, AND...

44

00:02:13,800 --> 00:02:15,068

- Karen Nyberg: AND I CAN
SAY SITTING IN THE ROCKET

45

00:02:15,068 --> 00:02:18,371

GETTING READY FOR LAUNCH,
YOU'RE ANXIOUS AND EXCITED.

46

00:02:21,875 --> 00:02:23,877

- Hazza Al Monsouri:
AND WAITING FOR COUNTDOWN,

47

00:02:23,877 --> 00:02:25,778

FOCUSING ON DOING
YOUR CHECKLIST,

48

00:02:25,778 --> 00:02:27,847

FOCUSING ON
YOUR PROCEDURE.

49

00:02:27,847 --> 00:02:30,083

- 10, 9, 8...

50

00:02:30,083 --> 00:02:31,885

- Drew Morgan:
AT THE MOMENT OF LAUNCH,

51

00:02:31,885 --> 00:02:35,088

YOU'RE QUITE PREPARED.

52

00:02:35,088 --> 00:02:39,092

[INDISTINCT CHATTER]

53

00:02:43,229 --> 00:02:47,367

- AMERICA HAS LAUNCHED.

54

00:02:47,367 --> 00:02:49,769

- Jack Fischer: IT LIGHTS OFF AND YOU FEEL THE RUMBLE,

55

00:02:49,769 --> 00:02:51,271

AND THEN YOU
START TO MOVE,

56

00:02:51,271 --> 00:02:54,207

AND THAT CONSTANT
SMOOTH ACCELERATION

57

00:02:54,207 --> 00:02:56,242

PULLING YOU BACK
IN THE SEAT.

58

00:02:56,242 --> 00:02:57,944

- Michael Foreman: AND YOU FEEL LIKE YOU'RE JUST IN A CAR WRECK,

59

00:02:57,944 --> 00:03:00,880

BECAUSE THE SOLID
ROCKET BOOSTERS LIGHT OFF

60

00:03:00,880 --> 00:03:02,749

AND THEY GIVE YOU
A KICK IN THE BACKSIDE

61

00:03:02,749 --> 00:03:05,318

LIKE YOU WERE JUST REAR ENDED
AT A STOP SIGN, LITERALLY.

62

00:03:06,319 --> 00:03:07,887

- Alvin Drew: IT IS,
THERE'S NOTHING SUBTLE

63

00:03:07,887 --> 00:03:10,023

OR NICE ABOUT IT.

64

00:03:10,023 --> 00:03:11,491

- David Saint-Jacques: IT WAS THE VIBRATION, THE PRESSURE,

65

00:03:11,491 --> 00:03:15,161

THE ACCELERATION,
THE PRESSURE IN YOUR SEAT.

66

00:03:15,161 --> 00:03:25,972

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67

00:03:30,577 --> 00:03:32,045

- Karen Nyberg: I DISTINCTLY REMEMBER THE POINT

68

00:03:32,045 --> 00:03:34,147

WHEN I STOPPED
AND THOUGHT,

69

00:03:34,147 --> 00:03:36,316

I DID IT, I'M HERE.
MY GOAL WAS TO BE AN ASTRONAUT,

70

00:03:36,316 --> 00:03:38,284

AND NOW I'M IN SPACE.

71

00:03:39,919 --> 00:03:50,196

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72

00:03:50,196 --> 00:03:53,833

- T.J. Creamer: UM, AS A KID
YOU MAYBE FANTASIZE ABOUT

73

00:03:53,833 --> 00:03:56,002

SPREADING YOUR ARMS
AND FLYING AMONG THE CLOUDS,

74

00:03:56,002 --> 00:03:58,805

AND THAT KINDA STUFF.
THAT'S WHAT WE'RE DOING.

75

00:03:58,805 --> 00:04:02,575

FLOATING IS VERY COOL.
IT'S FUN TO WATCH NEW--

76

00:04:02,575 --> 00:04:05,244

I MEAN, NEW ASTRONAUTS
SHOW UP IN SPACE, TOO,

77

00:04:05,244 --> 00:04:07,614

BECAUSE THEY CREEP AROUND--
WE WOULD JOKE,

78

00:04:07,614 --> 00:04:09,515

LIKE, SPACE MICE.

79

00:04:09,515 --> 00:04:12,151

VERY TIMID,
VERY CONTROLLED.

80

00:04:12,151 --> 00:04:14,387

- Reid Wiseman: BEING WEIGHTLESS THE FIRST FEW DAYS IS HORRIBLE.

81

00:04:14,387 --> 00:04:15,989

I MEAN, IT'S REALLY NEAT
TO SEE SOMETHING FLOATING

82

00:04:15,989 --> 00:04:17,490

IN FRONT OF YOU. IT'S REALLY HORRIBLE TO FEEL LIKE

83

00:04:17,490 --> 00:04:18,992

YOU'RE GONNA THROW UP
ALL THE TIME.

84

00:04:18,992 --> 00:04:21,094

AND THEN, AS YOU START
TO GET INTO IT,

85

00:04:21,094 --> 00:04:22,762

YOU START TO REALIZE
THAT THE HUMAN IS

86

00:04:22,762 --> 00:04:24,230

AN INCREDIBLY
ADAPTABLE MACHINE

87

00:04:24,230 --> 00:04:28,768

AND WEIGHTLESSNESS IS REALLY, REALLY WELL SUITED FOR US.

88

00:04:28,768 --> 00:04:30,403

- Mike Fossum: YOU KNOW,
PRETTY SOON YOU'RE GOING

89

00:04:30,403 --> 00:04:32,238

INTO A HATCHWAY,
AND YOU COME THROUGH

90

00:04:32,238 --> 00:04:34,273

AND YOU KIND OF
PUSH OFF ON BOTH SIDES

91

00:04:34,273 --> 00:04:35,575

AND YOU GO ZIPPING
DOWN THE MIDDLE

92

00:04:35,575 --> 00:04:38,478

AND YOU'RE TURNING RIGHT
AT THE END, SO YOU REACH OUT,

93

00:04:38,478 --> 00:04:40,647

GRAB A HANDRAIL.

94

00:04:40,647 --> 00:04:42,749

- Alvin Drew: BUT IT ALSO BRINGS OUT YOUR INNER 5-YEAR-OLD,

95

00:04:42,749 --> 00:04:46,552

OR I SAY THAT IT IS THE SOURCE OF ALL STUPID ASTRONAUT TRICKS.

96

00:04:46,552 --> 00:04:48,488

- Jack Fischer: IT'S AS FUN
AS YOU THINK IT WOULD BE

97

00:04:48,488 --> 00:04:50,356

ONLY BETTER.

98

00:04:50,356 --> 00:04:52,458

I THINK I TOLD MY WIFE
THAT I THOUGHT IT WAS

99

00:04:52,458 --> 00:04:55,328

A BURRITO OF AWESOMENESS SMOTHERED IN AWESOME SAUCE

100

00:04:55,328 --> 00:04:57,430

BECAUSE I DON'T HAVE
A VERY BIG VOCABULARY,

101

00:04:57,430 --> 00:05:01,100

SO I TRIED TO USE THE BIGGEST, MOST IMPACTFUL WORDS I COULD.

102

00:05:01,100 --> 00:05:02,235

- Mike Fossum:
EVERYBODY'S A SUPERHERO.

103

00:05:02,235 --> 00:05:04,537

YOU'RE NOT FLOATING,
YOU'RE FLYING.

104

00:05:04,537 --> 00:05:08,841

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105

00:05:08,841 --> 00:05:10,276

- Anne McClain: SO,
THE INTERNATIONAL SPACE STATION

106

00:05:10,276 --> 00:05:13,880

BEING ONLY 250 MILES
ABOVE EARTH,

107

00:05:13,880 --> 00:05:15,715

WE CALL IT KIND OF
THE PROVING GROUND

108

00:05:15,715 --> 00:05:18,351

FOR A LOT OF SCIENCE. IT IS
A NATIONAL ORBITING LABORATORY

109

00:05:18,351 --> 00:05:20,319

FOR THE UNITED STATES,
AND WE DO HAVE HUNDREDS

110

00:05:20,319 --> 00:05:23,189

OF SCIENCE EXPERIMENTS
GOING ON AT ANY TIME.

111

00:05:25,558 --> 00:05:27,160

- Nicole Stott: WE ARE DOING THIS AMAZING SCIENCE UP THERE.

112

00:05:27,160 --> 00:05:30,430

IT IS ALSO ABSOLUTELY
THE MOST WONDERFUL OBSERVATORY.

113

00:05:30,430 --> 00:05:33,900

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114

00:05:33,900 --> 00:05:37,437

AND, UM, CERTAINLY FOR
AN EARTH-FACING OBSERVATORY

115

00:05:37,437 --> 00:05:40,106

THE CUPOLA MODULE,
THIS BIG BAY WINDOW, YOU KNOW,

116

00:05:40,106 --> 00:05:42,809

THAT WE HAVE FACING EARTH
IS THE PLACE TO BE.

117

00:05:42,809 --> 00:05:47,246

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118

00:05:47,246 --> 00:05:49,315

- T.J. Creamer: I GOT VISITED
BY THREE SPACE SHUTTLES.

119

00:05:49,315 --> 00:05:51,417

SEVERAL OF THE CREW MEMBERS NEVER LOOKED OUTSIDE

120

00:05:51,417 --> 00:05:53,519

THE CUPOLA BEFORE.

121

00:05:53,519 --> 00:05:55,955

I WOULD BRING THEM ONE
AT A TIME TO THE CUPOLA,

122

00:05:55,955 --> 00:05:58,925

TELL THEM TO CLOSE THEIR EYES, OPEN UP ALL THE WINDOWS,

123

00:05:58,925 --> 00:06:00,460

THE SHUTTERS
ON THE WINDOWS,

124

00:06:00,460 --> 00:06:03,129

AND THEN TELL THEM
TO OPEN UP THEIR EYES.

125

00:06:03,129 --> 00:06:05,465

- Anne McClain: CEREBRALLY,
I KNEW THIS WAS GONNA BE

126

00:06:05,465 --> 00:06:07,100

A LIFE-CHANGING
EXPERIENCE.

127

00:06:07,100 --> 00:06:11,471

I KNEW THAT THE VIEW
WAS GONNA BE AMAZING.

128

00:06:11,471 --> 00:06:13,005

- David Saint-Jacques:
AND, I WILL NEVER FORGET

129

00:06:13,005 --> 00:06:16,275

THAT-THAT SIGHT.

130

00:06:16,275 --> 00:06:18,344

UH, THE THIN BLUE LINE

131

00:06:18,344 --> 00:06:21,114

OF THE ATMOSPHERE,
THE CURVE OF THE HORIZON,

132

00:06:21,114 --> 00:06:23,249

AND AT-- THAT'S WHEN
IT BECAME REAL,

133

00:06:23,249 --> 00:06:26,986

REALLY, AT A GUT LEVEL,
THAT I AM ACTUALLY IN SPACE.

134

00:06:26,986 --> 00:06:29,655

WE ARE IN ORBIT.
THIS IS NOT A SIM.

135

00:06:29,655 --> 00:06:33,059

- Mike Fossum: THIS IS
MY EYES LOOKING THROUGH GLASS

136

00:06:33,059 --> 00:06:35,695

AT EARTH FROM SPACE.

137

00:06:35,695 --> 00:06:38,097

IT WAS ALMOST
OVERWHELMING.

138

00:06:38,097 --> 00:06:40,133

- Jessica Meir: AND SO I THINK IT'S KIND OF OVERLOAD

139

00:06:40,133 --> 00:06:42,602

FOR YOUR BRAIN AND PROCESSING ALL OF THAT AT ONCE,

140

00:06:42,602 --> 00:06:44,704

BECAUSE IT JUST

ISN'T USED TO THAT.

141

00:06:44,704 --> 00:06:45,805

- Anne McClain: YOU KNOW,
IT'S REALLY HARD TO DESCRIBE

142

00:06:45,805 --> 00:06:47,573

SOMETHING LIKE THAT BECAUSE
IT'S NOT JUST CEREBRAL,

143

00:06:47,573 --> 00:06:51,611

IT'S EMOTIONAL.
IT'S KIND OF ALL-ENCOMPASSING.

144

00:06:51,611 --> 00:06:53,746

IT WAS--
MY HEART WAS RACING,

145

00:06:53,746 --> 00:06:55,948

YOU COULDN'T WIPE
THE SMILE OFF OF MY FACE.

146

00:06:55,948 --> 00:06:58,951

IT WAS REALLY AMAZING.

147

00:06:58,951 --> 00:07:00,953

- Tracy Dyson: I JUST WAS,
YOU KNOW, FEELING SOMETHING

148

00:07:00,953 --> 00:07:04,857

AS I WAS STARING AT THIS VIEW
OF THE WHOLE THING.

149

00:07:04,857 --> 00:07:08,327

AND, UM, IT MOVED ME
TO TEARS UNKNOWINGLY, SO...

150

00:07:08,327 --> 00:07:11,597

■■■

151

00:07:11,597 --> 00:07:13,599

- T.J. Creamer: IN THAT INSTANT, WHEN YOU'RE OVERWHELMED

152

00:07:13,599 --> 00:07:15,935

WITH THAT VISTA.

WHEN YOUR EYES SEE NOTHING

153

00:07:15,935 --> 00:07:18,137

BUT THE BEAUTY

OF THE EARTH,

154

00:07:18,137 --> 00:07:19,839

EVERY SINGLE CREW MEMBER

THAT I BROUGHT IN THERE

155

00:07:19,839 --> 00:07:22,041

FOR THAT EXPOSURE CRIED.

156

00:07:22,041 --> 00:07:25,611

IT IS HEART STOPPING.

IT IS SOUL POUNDING.

157

00:07:25,611 --> 00:07:27,580

IT IS BREATHTAKING.

158

00:07:28,881 --> 00:07:30,249

- Reid Wiseman:

I MEAN, IT WAS RIDICULOUS.

159

00:07:30,249 --> 00:07:32,318

I HAD NEVER IMAGINED

IN MY ENTIRE LIFE

160

00:07:32,318 --> 00:07:33,619

GETTING TO SEE SOMETHING

THAT BEAUTIFUL.

161

00:07:33,619 --> 00:07:36,322

IT WAS SO FOREIGN FOR

THE HUMAN MIND TO LOOK AT THAT,

162

00:07:36,322 --> 00:07:39,192

TO SEE THE EARTH
HIGHLIGHTED THAT WAY.

163

00:07:39,192 --> 00:07:40,626

- Nicole Stott: WELL, I DON'T THINK ANYTHING PREPARES YOU

164

00:07:40,626 --> 00:07:44,964

FOR HOW CRYSTAL CLEAR IT IS.

165

00:07:44,964 --> 00:07:46,966

UH, YOU KNOW, I KNEW
I KNEW THE COLORS,

166

00:07:46,966 --> 00:07:49,502

BUT THEY JUST SEEMED
DIFFERENT TO ME.

167

00:07:49,502 --> 00:07:53,506

THEY SEEMED MORE VIBRANT,
MORE TRANSLUCENT.

168

00:07:53,506 --> 00:07:55,308

- Tracy Dyson: I'VE NEVER
SEEN THOSE COLORS

169

00:07:55,308 --> 00:07:59,111

HERE ON EARTH.
THESE PEARLESCENT YELLOWS

170

00:07:59,111 --> 00:08:01,581

AND PEACHES
THAT, UM,

171

00:08:01,581 --> 00:08:04,016

FORM WHEN YOU'RE LOOKING
AT A BODY OF WATER

172

00:08:04,016 --> 00:08:06,385

WITH THE SUN ANGLE,
IT'S JUST AMAZING.

173

00:08:06,385 --> 00:08:08,487

- Reid Wiseman: I JUST TOOK
A PENCIL AND I DREW, LIKE,

174

00:08:08,487 --> 00:08:12,425

15 CURVED LINES, AND I JUST WROTE "LIGHT BLUE, DARKER BLUE,

175

00:08:12,425 --> 00:08:15,394

PINK, PURPLE, DARK PURPLE,
DARK DARK PURPLE"

176

00:08:15,394 --> 00:08:17,029

ALL THE WAY DOWN TO
THE SURFACE OF THE EARTH

177

00:08:17,029 --> 00:08:19,031

AT SUNSET,
BECAUSE THE SCALE

178

00:08:19,031 --> 00:08:22,235

OF LOOKING AT A SUN REFRACTING THROUGH THE ATMOSPHERE,

179

00:08:22,235 --> 00:08:24,804

IT BLEW ME AWAY, OKAY?
AND NO PICTURE CAPTURES THAT.

180

00:08:24,804 --> 00:08:27,273

THERE'S NO HIGH DEF--
HIGH ENOUGH DYNAMIC RANGE

181

00:08:27,273 --> 00:08:31,711

OF A PHOTO TO CAPTURE
WHAT THE HUMAN CAN SEE.

182

00:08:31,711 --> 00:08:34,981

- Tracy Dyson: HOW IN THE WORLD AM I GONNA DESCRIBE THIS?

183

00:08:36,616 --> 00:08:38,951

THERE'S NO--
THERE'S NO WORDS.

184

00:08:38,951 --> 00:08:40,453

THERE'S NO PICTURE
I COULD TAKE

185

00:08:40,453 --> 00:08:43,322

TO DO IT JUSTICE.
THERE'S NO WATER COLORS

186

00:08:43,322 --> 00:08:46,759

THAT I COULD, UM,
PUT ON PAPER

187

00:08:46,759 --> 00:08:50,329

TO COME CLOSE
TO THE...

188

00:08:50,329 --> 00:08:52,398

VIVIDNESS,

189

00:08:52,398 --> 00:08:56,402

THE EVER-CHANGING
PICTURE THAT I SEE

190

00:08:56,402 --> 00:08:58,537

STARING AT
THIS PLANET.

191

00:08:58,537 --> 00:08:59,772

- Nick Hague: AND I THINK
THAT'S THE CHALLENGE

192

00:08:59,772 --> 00:09:01,641

OF REALLY TRYING
TO EXPRESS

193

00:09:01,641 --> 00:09:03,976

JUST WHAT RAN THROUGH MY MIND WHEN I'D LOOK AT THERE,

194

00:09:03,976 --> 00:09:06,846

BECAUSE MY MIND
WOULD JUST RACE.

195

00:09:06,846 --> 00:09:09,849

- Nicole Stott: IT'S LIKE A WORK OF ART OUT THE WINDOW THERE,

196

00:09:09,849 --> 00:09:11,784

AND IT SURPRISES YOU

197

00:09:11,784 --> 00:09:15,321

EVERY TIME
YOU LOOK AT IT.

198

00:09:15,321 --> 00:09:16,956

ONE OF THE MOST
IMPRESSIVE THINGS

199

00:09:16,956 --> 00:09:19,191

WAS WATCHING
THUNDERSTORMS, YOU KNOW,

200

00:09:19,191 --> 00:09:22,962

STORM ACTIVITY MOVING,
UH, AROUND THE PLANET.

201

00:09:22,962 --> 00:09:25,231

- Jessica Meir: YOU CAN SEE
ITS PATH PROPAGATING AROUND

202

00:09:25,231 --> 00:09:28,434

AND YOU HAVE THESE BIG FLASHES ALL OVER THE PLACE.

203

00:09:28,434 --> 00:09:30,136

- Nick Hague: YOU KNOW,

THIS ONE STORM COVERING

204

00:09:30,136 --> 00:09:33,472

ALL THE U.S.,
AND LIGHTNING FLASHING OFF

205

00:09:33,472 --> 00:09:36,309

ALL OVER,
NONSTOP.

206

00:09:36,309 --> 00:09:39,345

- Nicole Stott: IT'S LIKE WATCHING NEURONS FIRING

207

00:09:39,345 --> 00:09:42,181

IN A BRAIN, I-- YOU KNOW,
THESE TENTACLES OF LIGHT

208

00:09:42,181 --> 00:09:45,084

THAT ARE JUST CONNECTING
AND TRAVELING.

209

00:09:45,084 --> 00:09:46,452

YEAH, IT MIGHT BE
STARTING OVER FLORIDA,

210

00:09:46,452 --> 00:09:48,087

BUT IT'S, LIKE,
MOVING ACROSS THE OCEAN

211

00:09:48,087 --> 00:09:51,057

TO AFRICA AS FAR
AS YOU CAN SEE,

212

00:09:51,057 --> 00:09:54,026

AND THAT WAS--

213

00:09:54,026 --> 00:09:55,695

I-I MEAN, I REMEMBER
FLOATING THERE,

214

00:09:55,695 --> 00:09:59,065

JUST THINKING ABOUT,
OH, MY GOSH.

215

00:09:59,065 --> 00:10:01,901

EVERYTHING IS CONNECTED.

216

00:10:01,901 --> 00:10:03,602

- Nick Hague: WE GET TO SEE
SOME INTERESTING THINGS

217

00:10:03,602 --> 00:10:06,672

UP THERE, YOU KNOW.
ONE WAS HURRICANE DORIAN,

218

00:10:06,672 --> 00:10:09,542

A CATEGORY 5 HURRICANE
WITH, UH, YOU KNOW,

219

00:10:09,542 --> 00:10:12,378

SUCH A WELL-FORMED EYE.

220

00:10:12,378 --> 00:10:14,480

■■

221

00:10:14,480 --> 00:10:17,516

WHEN YOU LOOK DOWN AT IT,
FLYING OVER IN THE STATION,

222

00:10:17,516 --> 00:10:19,051

IT DOESN'T EVEN LOOK
LIKE IT'S MOVING,

223

00:10:19,051 --> 00:10:22,121

BUT YOU KNOW THE POWER
THAT'S AT THE CENTER

224

00:10:22,121 --> 00:10:24,991

OF THAT STORM,

AND WHAT HAVOC

225

00:10:24,991 --> 00:10:29,061

THAT THAT STORM IS WREAKING
ON-ON EVERYBODY ON THE GROUND.

226

00:10:29,061 --> 00:10:30,863

- Jack Fischer: YOU LOOK OUT
IN TERROR, REALLY,

227

00:10:30,863 --> 00:10:34,800

'CAUSE YOU KNOW ALL THE PEOPLE THAT ARE IN DANGER UNDERNEATH,

228

00:10:34,800 --> 00:10:37,970

UM, BUT JUST
THE IMMENSITY OF-OF POWER

229

00:10:37,970 --> 00:10:40,539

THAT MOTHER NATURE BRINGS.

230

00:10:40,539 --> 00:10:42,842

- Reid Wiseman:
A HURRICANE, A THUNDERSTORM,

231

00:10:42,842 --> 00:10:44,810

EVERYWHERE YOU LOOK
THERE IS...

232

00:10:44,810 --> 00:10:47,380

THE ENVIRONMENT DOING
SOMETHING CRAZY.

233

00:10:47,380 --> 00:10:48,647

SO WE'RE COMING UP
OVER BRAZIL,

234

00:10:48,647 --> 00:10:50,449

ABOUT TO GO ACROSS
INTO THE ATLANTIC OCEAN,

235

00:10:50,449 --> 00:10:52,685
AND LOOKING OUT ON
THE HORIZON, I SAW, LIKE,

236

00:10:52,685 --> 00:10:54,520
IT LOOKED KINDA BROWN.
I'VE NEVER SEEN THAT, REALLY,

237

00:10:54,520 --> 00:10:56,188
FROM THE SPACE STATION,
AND I-- INSTANTLY,

238

00:10:56,188 --> 00:10:58,157
WHAT DID I THINK?
HUMAN INTERACTION POLLUTION,

239

00:10:58,157 --> 00:11:00,493
FOR SURE. IT'S JUST
AWFUL-LOOKING, IT'S TERRIBLE.

240

00:11:00,493 --> 00:11:01,727
BUT AS WE WENT
OVER THE ATLANTIC,

241

00:11:01,727 --> 00:11:03,996
IT KINDA GOT THICKER
AND THICKER AND THICKER.

242

00:11:03,996 --> 00:11:05,831
IT WAS A SAND STORM
IN THE SAHARA DESERT

243

00:11:05,831 --> 00:11:08,901
BLOWING THIS HUGE PLUME OF SAND UP INTO THE ATMOSPHERE,

244

00:11:08,901 --> 00:11:11,237
CROSSING THE ATLANTIC OCEAN
AND COMING DOWN IN BRAZIL.

245

00:11:11,237 --> 00:11:12,972
I MEAN, THAT IS CRAZY.

246

00:11:12,972 --> 00:11:15,174
IF THAT DOESN'T CHANGE THE WAY THAT YOU THINK ABOUT THE PLANET,

247

00:11:15,174 --> 00:11:17,143
ABSOLUTELY NOTHING WILL.

248

00:11:17,143 --> 00:11:18,544
- Anne McClain: WHAT STRUCK ME WAS WHEN WE LOOKED

249

00:11:18,544 --> 00:11:22,515
AT NATURAL DISASTERS.
UH, YOU SEE A FLOOD,

250

00:11:22,515 --> 00:11:25,584
AND YOU REALLY
CAN'T PICK OUT

251

00:11:25,584 --> 00:11:27,520
WHERE THEY ARE ON EARTH,

252

00:11:27,520 --> 00:11:29,288
BUT WHEN YOU
SEE IT FROM SPACE,

253

00:11:29,288 --> 00:11:32,124
YOU REALIZE THAT THE EFFECTS
OF THESE NATURAL DISASTERS

254

00:11:32,124 --> 00:11:34,360
REALLY HIT
EVERYBODY EQUALLY.

255

00:11:34,360 --> 00:11:37,963
AND IT REALLY GIVES YOU
THIS PERSPECTIVE THAT,

256

00:11:37,963 --> 00:11:39,298

YOU KNOW,
FIRST OF ALL,

257

00:11:39,298 --> 00:11:41,300

WE'RE ALL IN THIS
TOGETHER, UH,

258

00:11:41,300 --> 00:11:45,371

AND THAT THE WORLD
IS VERY SMALL.

259

00:11:45,371 --> 00:11:46,872

- David Saint-Jacques:
WHAT HAS ALWAYS STRUCK ME,

260

00:11:46,872 --> 00:11:50,409

EVERY TIME I WENT
THERE, IS...

261

00:11:50,409 --> 00:11:53,112

HOW BEAUTIFUL
THE EARTH IS,

262

00:11:53,112 --> 00:11:55,448

HOW FRAGILE
IT LOOKS,

263

00:11:55,448 --> 00:11:58,217

HOW ALIVE
IT OBVIOUSLY IS.

264

00:11:58,217 --> 00:12:01,554

WITH THE CLOUDS, THE WATER,
IT'S LIKE IT'S BREATHING.

265

00:12:01,554 --> 00:12:04,190

- Don Pettit: WHEN YOU FIRST LOOK AT EARTH, YOU MAY SAY,

266

00:12:04,190 --> 00:12:06,025

"WOW, THAT'S A CONTINENT,"

267

00:12:06,025 --> 00:12:09,495
AND THEN YOU LOOK AT IT
AGAIN THE NEXT DAY

268

00:12:09,495 --> 00:12:11,330
AND YOU SAY, "WOW,
THERE ARE MOUNTAIN RANGES."

269

00:12:11,330 --> 00:12:13,399
AND THEN YOU LOOK AT IT AGAIN THE NEXT DAY, AND IT'S LIKE,

270

00:12:13,399 --> 00:12:17,002
"OH, I CAN SEE
SYNCLINES AND ANTICLINES

271

00:12:17,002 --> 00:12:19,004
"IN THE GEOLOGIC
STRUCTURE."

272

00:12:19,004 --> 00:12:21,640

■■

273

00:12:21,640 --> 00:12:23,275
- Mike Fossum: YOU CAN
SEE THE NILE RIVER

274

00:12:23,275 --> 00:12:24,944
AND THE NILE DELTA
SO CLEARLY,

275

00:12:24,944 --> 00:12:27,179
THE RED SEA,
AND FOR ME,

276

00:12:27,179 --> 00:12:29,248
THAT WAS JUST AMAZING
TO LOOK DOWN.

277

00:12:29,248 --> 00:12:31,517

YOU COULD SEE THE--
THE JORDAN RIVER,

278

00:12:31,517 --> 00:12:33,786

THE SEA OF GALILEE,
THE DEAD SEA,

279

00:12:33,786 --> 00:12:36,755

AND I WAS JUST THINKING, THIS IS WHERE ALL THIS TOOK PLACE.

280

00:12:36,755 --> 00:12:40,593

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281

00:12:40,593 --> 00:12:42,995

- Jessica Meir: THE COLOR PALETTE IS HARD TO COMPARE.

282

00:12:42,995 --> 00:12:44,730

I MEAN, ALL THESE
REDS AND ORANGES,

283

00:12:44,730 --> 00:12:48,367

AND SO THE DUNES ALL OVER
IN CENTRAL AFRICA

284

00:12:48,367 --> 00:12:50,336

AND IN SAUDI ARABIA,

285

00:12:50,336 --> 00:12:52,671

YOU HAVE THESE--
SO MANY DIFFERENT TEXTURES.

286

00:12:52,671 --> 00:12:54,406

- T.J. Creamer: AND YOU CAN ALMOST PICK OUT WHERE YOU ARE

287

00:12:54,406 --> 00:12:56,809

OVER THE EARTH
BECAUSE AUSTRALIA'S TANS

288

00:12:56,809 --> 00:12:59,245

ARE DIFFERENT
THAN AFRICAN TANS.

289

00:12:59,245 --> 00:13:01,080

- David Saint-Jacques: EVERY PIECE OF THE EARTH HAS ITS, UH,

290

00:13:01,080 --> 00:13:03,582

IT'S OWN TONE,
UH, IF YOU WANT,

291

00:13:03,582 --> 00:13:06,986

SO YOU BECOME VERY ACQUAINTED WITH THE EARTH AS A--

292

00:13:06,986 --> 00:13:09,989

FROM THE BIG PICTURE
POINT OF VIEW.

293

00:13:09,989 --> 00:13:13,092

Nick Hague: AND YOU SAW
THE--THE--

294

00:13:13,092 --> 00:13:15,561

JUST THE BEAUTY OF THE--

295

00:13:15,561 --> 00:13:18,297

OF THE LANDSCAPE,
AND, AND THE-- YOU KNOW,

296

00:13:18,297 --> 00:13:21,300

THE MOUNTAINS AND THE DESERTS, AND YOU START TO THINK OF

297

00:13:21,300 --> 00:13:23,068

HOW THEY WERE FORMED,

298

00:13:23,068 --> 00:13:26,839

YOU REALIZE JUST HOW SPECIAL
THE PLACE WE ARE IS.

299

00:13:26,839 --> 00:13:29,542

AND YOU FEEL
THAT CONNECTION.

300

00:13:29,542 --> 00:13:31,410

■■

301

00:13:31,410 --> 00:13:33,245

- Tracy Dyson: SO WHEN
YOU LOOK AT THE EARTH

302

00:13:33,245 --> 00:13:34,914

FROM THAT VANTAGE POINT,

303

00:13:34,914 --> 00:13:37,850

YOU-- AND I'M-- I KNOW
OTHERS HAVE SAID THIS,

304

00:13:37,850 --> 00:13:39,451

YOU DON'T SEE
THE BORDERS.

305

00:13:39,451 --> 00:13:40,953

YOU DON'T SEE
POLITICAL BORDERS,

306

00:13:40,953 --> 00:13:43,689

YOU HARDLY SEE
GEOGRAPHICAL BORDERS.

307

00:13:43,689 --> 00:13:45,324

- Bill McArthur: YOU KNOW,
WE'RE SO USED TO LOOKING

308

00:13:45,324 --> 00:13:48,027

AT MAPS OR GLOBES.

309

00:13:48,027 --> 00:13:51,230

IN LOWER EARTH ORBIT,

YOU DON'T SEE A GLOBE.

310

00:13:51,230 --> 00:13:55,301
UM, AND FROM
NO DISTANCE

311

00:13:55,301 --> 00:13:59,438
DO YOU SEE
THE DIFFERENT--

312

00:13:59,438 --> 00:14:01,240
DIFFERENT COLORS
FOR COUNTRIES

313

00:14:01,240 --> 00:14:03,976
SO IT MAKES THEM
EASY TO DISTINGUISH.

314

00:14:03,976 --> 00:14:05,878
- Don Pettit: I WAS LOOKING
FOR ALL THE LITTLE PINK

315

00:14:05,878 --> 00:14:09,381
AND GREEN COUNTRIES WHEN
I WAS LOOKING AT WHERE'S--

316

00:14:09,381 --> 00:14:11,016
WHERE'S UGANDA?

317

00:14:11,016 --> 00:14:13,953
IT'S SUPPOSED TO BE
PINK ON THE ATLAS.

318

00:14:13,953 --> 00:14:14,987
- Jessica Meir: YOU KNOW,
YOU DON'T SEE THOSE

319

00:14:14,987 --> 00:14:18,090
GEOPOLITICAL BOUNDARIES.
ALL OF THE MANMADE BOUNDARIES

320

00:14:18,090 --> 00:14:20,793

THAT WE HAVE IMPOSED
UPON OURSELVES AS HUMANS.

321

00:14:20,793 --> 00:14:23,162

YOU DON'T SEE ANY
OF THAT FROM SPACE.

322

00:14:23,162 --> 00:14:25,731

- Jack Fischer: IT'S JUST
YOU AND YOUR TEAM.

323

00:14:25,731 --> 00:14:28,100

AND YOU'RE TRYING
TO MAKE AN IMPACT

324

00:14:28,100 --> 00:14:31,003

ON US EVOLVING
INTO SOMETHING MORE.

325

00:14:31,003 --> 00:14:34,273

YOU FORGET ABOUT THE POLITICS, YOU FORGET ABOUT DAILY LIFE,

326

00:14:34,273 --> 00:14:36,842

UH, THAT-THAT,
YOU KNOW, PLAGUES US

327

00:14:36,842 --> 00:14:39,812

HERE ON THE GROUND, THAT--
THAT COLORS OUR PERCEPTIONS,

328

00:14:39,812 --> 00:14:42,281

UH, BECAUSE YOU'RE
INSULATED FROM IT.

329

00:14:42,281 --> 00:14:44,683

- Jessica Meir: AND YOU JUST FEEL THE SENSE OF COMMONALITY

330

00:14:44,683 --> 00:14:47,453
MORE IN SOMETHING THAT--
THAT UNITES US ALL

331
00:14:47,453 --> 00:14:51,423
AND JUST THAT'S THAT
WE'RE ALL HUMAN.

332
00:14:51,423 --> 00:14:53,158
■■■

333
00:14:53,158 --> 00:14:55,261
- Mike Fossum: FLYING OVER AFRICA IN THE DAYTIME

334
00:14:55,261 --> 00:14:57,496
WITH THE INTENSE SUNLIGHT
SO MUCH OF THE TIME,

335
00:14:57,496 --> 00:14:59,098
YOU DON'T REALLY
SEE MUCH DETAIL,

336
00:14:59,098 --> 00:15:00,566
IT'S SO BRIGHT.

337
00:15:00,566 --> 00:15:01,967
BUT AT NIGHT WHEN
IT'S ILLUMINATED

338
00:15:01,967 --> 00:15:03,936
BY STARLIGHT
OR MOONLIGHT,

339
00:15:03,936 --> 00:15:07,473
YOU REALLY SEE A LOT AND,
UH, IT'S JUST FASCINATING.

340
00:15:07,473 --> 00:15:09,642
- Bill McArthur: AND YOU DON'T QUITE SEE THE SAME TEXTURE,

341

00:15:09,642 --> 00:15:13,412

BUT YOU SEE MANKIND'S
INFLUENCE ON THE PLANET.

342

00:15:15,214 --> 00:15:16,682

- Nicole Stott: YOU GET
THESE BEAUTIFUL, YOU KNOW,

343

00:15:16,682 --> 00:15:19,151

TWINKLY CITY LIGHTS.

344

00:15:19,151 --> 00:15:22,054

- Don Pettit: AND THEY
REPRESENT HUMAN SPRAWL,

345

00:15:22,054 --> 00:15:24,056

WHICH ISN'T
NECESSARILY BAD,

346

00:15:24,056 --> 00:15:26,892

BUT IT IS INCREDIBLY
BEAUTIFUL FROM SPACE.

347

00:15:28,827 --> 00:15:30,596

- Jessica Meir: I LOVE LOOKING AT THE ATMOSPHERE AT NIGHT

348

00:15:30,596 --> 00:15:32,298

WHEN YOU HAVE
THAT AIR GLOW,

349

00:15:32,298 --> 00:15:34,033

AND-AND SOMETIMES
IT WAS A BIT GREEN

350

00:15:34,033 --> 00:15:36,335

AND THEN YOU HAVE
THE AURORA DANCING AROUND.

351

00:15:39,738 --> 00:15:41,573

- Mike Fossum: AND WE WERE FLYING INTO THIS

352

00:15:41,573 --> 00:15:43,609
ASTONISHING AURORA.

353

00:15:43,609 --> 00:15:46,011
THIS RIPPLING,
PULSING RIVER OF GREEN

354

00:15:46,011 --> 00:15:48,180
THAT'S DOWN BELOW US,
THE RED THAT IS STRETCHING UP

355

00:15:48,180 --> 00:15:51,784
TO OUR ALTITUDE.
IT'S LIKE, WHOA.

356

00:15:51,784 --> 00:15:55,421
YOU KNOW, IT WAS
JUST BREATHTAKING.

357

00:15:55,421 --> 00:15:57,923
- David Saint-Jacques: AURORAS, UH, THE PLACE OF HUMANS

358

00:15:57,923 --> 00:16:00,726
AT NIGHT IS OBVIOUS
WITH THE LIGHTS.

359

00:16:00,726 --> 00:16:03,262
BUT IT'S THE DEPTH
AROUND THE EARTH

360

00:16:03,262 --> 00:16:07,066
THAT'S STARTLING.
HOW THIS BEAUTIFUL,

361

00:16:07,066 --> 00:16:09,868
SHOCKING OASIS OF
LIFE IS THERE,

362

00:16:09,868 --> 00:16:12,304

NAKED, IN THE MIDDLE

363

00:16:12,304 --> 00:16:16,008

OF PITCH BLACK DEPTH,

364

00:16:16,008 --> 00:16:17,176

THE VACUUM OF SPACE.

365

00:16:18,911 --> 00:16:21,580

- Mike Fossum: DEFINITELY
LOOK UP AND-AND SEE THE STARS

366

00:16:21,580 --> 00:16:23,615

LIKE YOU HAVE NEVER
SEEN THEM BEFORE.

367

00:16:23,615 --> 00:16:29,054

■■

368

00:16:29,054 --> 00:16:31,924

I MEAN, THE MILKY WAY
IS JUST STUNNING.

369

00:16:31,924 --> 00:16:35,561

- Don Pettit: THERE'S
MANY FADES IN THE COSMOS

370

00:16:35,561 --> 00:16:37,696

TO GAZE AT IT.
FOR EXAMPLE,

371

00:16:37,696 --> 00:16:40,432

THE-THE MAGELLANIC CLOUDS.

372

00:16:40,432 --> 00:16:43,702

THOSE SHOW UP REALLY
BRIGHT AND VIVID

373
00:16:43,702 --> 00:16:46,305
BECAUSE YOU DON'T HAVE ATMOSPHERIC SCATTERING.

374
00:16:48,874 --> 00:16:51,110
YOU CAN SEE ANDROMEDA,

375
00:16:51,110 --> 00:16:53,912
UH, THE SPIRAL GALAXY
OF ANDROMEDA.

376
00:16:53,912 --> 00:16:58,217
■■■

377
00:16:58,217 --> 00:16:59,718
- Mike Fossum: OF COURSE,
THE LIGHTS DON'T FLICKER,

378
00:16:59,718 --> 00:17:01,186
THEY'RE STEADY,

379
00:17:01,186 --> 00:17:02,521
'CAUSE THEY'RE NOT
COMING THROUGH THE DUST

380
00:17:02,521 --> 00:17:05,023
AND-AND IT'S COMING
THROUGH THE ATMOSPHERE.

381
00:17:05,023 --> 00:17:06,925
THEN YOU--
AS YOU REALLY ADJUST,

382
00:17:06,925 --> 00:17:09,161
YOU START TO SENSE
THE VERY SUBTLE COLORS

383
00:17:09,161 --> 00:17:12,297
THAT ARE IN THE STARS.
A LITTLE BIT OF REDDISH,

384

00:17:12,297 --> 00:17:16,902

A LITTLE BIT OF
BLUEISH, BLUE-WHITE.

385

00:17:16,902 --> 00:17:18,704

- Nicole Stott: JUST ALL
THE COLORS IN THE LIGHT

386

00:17:18,704 --> 00:17:22,408

COME OUT, YOU KNOW, IN THAT DEPTH OF SPACE AS WELL.

387

00:17:22,408 --> 00:17:25,210

- Tracy Dyson: I COULD,
ALL OF A SUDDEN, DETECT DEPTH.

388

00:17:25,210 --> 00:17:26,478

NOW, I COULDN'T
TELL YOU HOW MUCH,

389

00:17:26,478 --> 00:17:28,680

BUT IT'S LIGHTYEARS, RIGHT?
AND-AND IT'S LIKE, WHOA,

390

00:17:28,680 --> 00:17:31,116

I CAN SOMEHOW TELL
THAT THAT STAR

391

00:17:31,116 --> 00:17:33,352

IS CLOSER THAN THAT STAR.

392

00:17:33,352 --> 00:17:35,721

AND THAT WAS SOMETHING
THAT KNOCKED MY SOCKS OFF,

393

00:17:35,721 --> 00:17:38,123

AND I THOUGHT,
"NOBODY TOLD ME ABOUT THIS!"

394

00:17:38,123 --> 00:17:39,324

- Jessica Meir: I DON'T
THINK I HAD THOUGHT

395

00:17:39,324 --> 00:17:42,961

BEFORE GOING UP THERE ABOUT
HOW MANY STARS YOU SEE.

396

00:17:42,961 --> 00:17:45,898

YOU KNOW,
THE DENSITY OF STARS.

397

00:17:45,898 --> 00:17:47,266

- Reid Wiseman:
YOU SEE SO MANY STARS,

398

00:17:47,266 --> 00:17:50,002

IT BECOMES HARD TO
PICK OUT CONSTELLATIONS.

399

00:17:50,002 --> 00:17:51,770

PEOPLE ASK IF THERE'S
ALIENS, AND I'M LIKE,

400

00:17:51,770 --> 00:17:53,972

"OF COURSE THERE ARE ALIENS, LOOK AT ALL THOSE STARS!

401

00:17:53,972 --> 00:17:56,008

"THERE'S GOTTA BE."

402

00:17:56,008 --> 00:17:57,676

- Tracy Dyson: IT'S JUST
SO VAST AND INFINITE

403

00:17:57,676 --> 00:18:01,079

THAT, UM, I DON'T KNOW
WHAT ELSE TO SAY ABOUT THAT.

404

00:18:01,079 --> 00:18:11,590

■■■

405

00:18:11,590 --> 00:18:12,658

- Nicole Stott:

I REMEMBER USING, LIKE,

406

00:18:12,658 --> 00:18:15,627

THE 800 MILLIMETER LENS AND JUST REALLY ZOOMING INTO PLACES.

407

00:18:15,627 --> 00:18:17,296

AND, YOU KNOW,

YOU STILL CAN'T SEE PEOPLE

408

00:18:17,296 --> 00:18:20,065

WALKING AROUND OR ANYTHING,

BUT YOU SEE IMPACTS OF THINGS.

409

00:18:20,065 --> 00:18:22,835

AND YOU REALIZE THAT,

410

00:18:22,835 --> 00:18:25,204

A LOT OF TIMES,

WE HAVE TO PULL WAY BACK.

411

00:18:25,204 --> 00:18:26,738

YOU KNOW, YOU HAVE

TO PULL WAY BACK

412

00:18:26,738 --> 00:18:29,975

AND SEE THE BIG

PICTURE OF IT.

413

00:18:29,975 --> 00:18:32,511

- Nick Hague: YOU REALIZE

JUST HOW SMALL YOU ARE,

414

00:18:32,511 --> 00:18:34,213

'CAUSE IT--

YOU, AT TIMES,

415

00:18:34,213 --> 00:18:37,950

STRUGGLE TO FIND EVIDENCE OF HUMAN ACTIVITY DOWN THERE.

416

00:18:37,950 --> 00:18:41,453

YOU CAN GO OVER MASSIVE
SWATHS OF THE EARTH

417

00:18:41,453 --> 00:18:44,723

AND NOT SEE A TRACE
OF ANY HUMAN IMPACT.

418

00:18:44,723 --> 00:18:47,059

OR YOU CAN GO
OVER OTHER SWATHS,

419

00:18:47,059 --> 00:18:51,663

AND YOU CAN SEE
DRAMATIC IMPACT.

420

00:18:51,663 --> 00:18:52,998

- Mike Fossum: FREQUENTLY,
IN THE SUMMERTIME,

421

00:18:52,998 --> 00:18:54,566

THERE'S A LOT OF
FIRES IN AFRICA.

422

00:18:54,566 --> 00:18:57,336

YOU SEE ALL OF THOSE PLUMES
OF SMOKE HEADING WEST

423

00:18:57,336 --> 00:19:01,507

ACROSS THE ATLANTIC.

424

00:19:01,507 --> 00:19:05,377

- Nick Hague: YOU FLY OVER
SOUTH AMERICA AND YOU SEE,

425

00:19:05,377 --> 00:19:08,747

YOU KNOW, WIDESPREAD DEFORESTATION,

426

00:19:08,747 --> 00:19:12,017
AND YOU KNOW
THE IMPACT THAT THAT HAS.

427

00:19:13,685 --> 00:19:17,489
YOU CAN ALMOST GET, UH,
A SENSE OF THE BALANCE

428

00:19:17,489 --> 00:19:19,191
OF, YOU KNOW,

429

00:19:19,191 --> 00:19:21,593
HOW-HOW-HOW NATURE
IS TRYING TO BALANCE

430

00:19:21,593 --> 00:19:23,428
ALL THE INPUTS
AND THE OUTPUTS

431

00:19:23,428 --> 00:19:26,098
AND-AND HAVE
A STABLE SYSTEM.

432

00:19:26,098 --> 00:19:30,702
AND-AND YOU CAN SEE
OUR EFFECT ON IT.

433

00:19:30,702 --> 00:19:32,271
- Karen Nyberg: TO ME,
IT STARTED TO MAKE ME

434

00:19:32,271 --> 00:19:34,540
UNDERSTAND THAT
EVERYTHING IS CONNECTED.

435

00:19:34,540 --> 00:19:36,608
WHAT IS HAPPENING IN
THE OCEAN OVER HERE

436

00:19:36,608 --> 00:19:39,845
CAN AFFECT WHAT IS HAPPENING
ON LAND OVER HERE,

437

00:19:39,845 --> 00:19:43,882
IT'S JUST ALL ONE BEING--

438

00:19:43,882 --> 00:19:45,551
[laughing]
THING.

439

00:19:45,551 --> 00:19:47,920
AND IT'S ALL
INTERCONNECTED.

440

00:19:47,920 --> 00:19:52,391

■■■

441

00:19:52,391 --> 00:19:53,759
- Reid Wiseman: YOU CAN
SEE COMBAT. I MEAN,

442

00:19:53,759 --> 00:19:56,094
WE WERE VERY-- TWO--
TWO COUNTRIES WHO WERE AT WAR

443

00:19:56,094 --> 00:19:58,697
AND YOU COULD VERY EASILY
SEE MISSILES BEING SHOT,

444

00:19:58,697 --> 00:20:01,133
THEY JUST LOOK LIKE LITTLE
TINY TRACES OF LIGHT.

445

00:20:01,133 --> 00:20:03,101
YOU-YOU CAN SEE
ALL THAT STUFF. SO TO ME,

446

00:20:03,101 --> 00:20:07,072

I DIDN'T SEE ONE UNIFIED
HUMAN CIVILIZATION,

447

00:20:07,072 --> 00:20:08,941

YOU CERTAINLY SEE
ONE UNIFIED PLANET

448

00:20:08,941 --> 00:20:10,475

CRUISING AROUND
THE SUN, AND THAT IS

449

00:20:10,475 --> 00:20:12,277

A UNIQUE PERSPECTIVE.

450

00:20:12,277 --> 00:20:18,283

■■■

451

00:20:18,283 --> 00:20:19,551

- David Saint-Jacques:
DURING MY, UH, MY TIME

452

00:20:19,551 --> 00:20:22,087

ON THE SPACE STATION, I HAD
THE CHANCE TO DO A SPACEWALK.

453

00:20:22,087 --> 00:20:24,156

PUT ON A SPACESUIT
AND GO OUTSIDE.

454

00:20:24,156 --> 00:20:26,124

AND, UH, THAT'S A VERY
SPECIAL EXPERIENCE

455

00:20:26,124 --> 00:20:28,293

FOR-FOR ANY ASTRONAUT.

456

00:20:28,293 --> 00:20:32,331

■■■

457

00:20:32,331 --> 00:20:33,599

- Bill McArthur: YOU'RE
INSIDE THE SPACE STATION

458

00:20:33,599 --> 00:20:36,735

OR THE SHUTTLE, AND NOW YOU
PUT ON A SUIT AND GO OUTSIDE.

459

00:20:36,735 --> 00:20:40,672

IT'S LIKE, THERE IS AN ELEVATION IN RISK WHEN YOU DO THAT,

460

00:20:40,672 --> 00:20:43,709

BUT IT IS
A BIT THRILLING.

461

00:20:43,709 --> 00:20:47,045

■■■

462

00:20:47,045 --> 00:20:49,548

- Michael Foreman: SPACEWALKS ALWAYS SEEM TO BE VERY, UH,

463

00:20:49,548 --> 00:20:53,852

BUSY AND TASK-FOCUSED EVENTS WHERE I GOTTA DO THIS,

464

00:20:53,852 --> 00:20:56,321

AND I GOTTA MOVE OVER HERE
AND DO THIS AND--

465

00:20:56,321 --> 00:20:58,790

- Mike Fossum: --AND THEN,
YOU JUST HAVE TO NOT THINK

466

00:20:58,790 --> 00:21:00,459

ABOUT WHERE YOU ARE.

467

00:21:00,459 --> 00:21:03,462

JUST CONCENTRATE ON
GETTING THE JOB DONE,

468

00:21:03,462 --> 00:21:06,331
WHAT'S THE BIG PICTURE.

469
00:21:06,331 --> 00:21:07,499
- Michael Foreman: RARELY
DID YOU HAVE A MINUTE

470
00:21:07,499 --> 00:21:11,903
WHERE YOU COULD JUST SAY,
AW, JUST TAKE A MINUTE

471
00:21:11,903 --> 00:21:14,072
THERE WERE THOSE MINUTES
EVERY ONCE IN A WHILE.

472
00:21:14,072 --> 00:21:16,742
AND THE VIEW FROM OUTSIDE
THE SPACECRAFT, YOU KNOW,

473
00:21:16,742 --> 00:21:18,777
WITH THAT
FULL PANORAMIC,

474
00:21:18,777 --> 00:21:21,013
UH, VISION THROUGH
YOUR HELMET VISOR

475
00:21:21,013 --> 00:21:24,383
WAS JUST INCREDIBLE.

476
00:21:24,383 --> 00:21:25,917
- Mike Fossum: IT'S A VERY DISTURBING VIEW LOOKING DOWN

477
00:21:25,917 --> 00:21:29,121
ABOUT 240 MILES
AT THE EARTH GOING BY

478
00:21:29,121 --> 00:21:31,556
AT 17,000 MILES AN HOUR.

479

00:21:31,556 --> 00:21:34,159

LIKE, HOO BOY!

480

00:21:34,159 --> 00:21:36,795

- Anne McClain: I JUST WATCHED THE EARTH GOING BY BELOW ME,

481

00:21:36,795 --> 00:21:39,865

AND I'D ONLY HAD THIS, YOU KNOW, THIN VISOR SEPARATING,

482

00:21:39,865 --> 00:21:43,201

UH, ME FROM A VERY
UNSURVIVABLE ATMOSPHERE.

483

00:21:43,201 --> 00:21:45,370

AND MY FEET WERE DANGLING,
I REMEMBER, YOU KNOW,

484

00:21:45,370 --> 00:21:47,639

NOT JUST THROUGH MY VISOR,
BUT LOOKING DOWN AND JUST--

485

00:21:47,639 --> 00:21:49,775

YOU JUST SEE FEET
AND THEN EARTH.

486

00:21:49,775 --> 00:21:51,910

YOU KNOW, AND-AND
YOU'RE HOLDING ON

487

00:21:51,910 --> 00:21:53,945

TO THE SPACE STATION,
AND I MEAN,

488

00:21:53,945 --> 00:21:56,882

IT WAS JUST INCREDIBLE. EVERYTHING LOOKED SO LARGE.

489

00:21:56,882 --> 00:22:01,219

■■

490

00:22:01,219 --> 00:22:03,955

- Jessica Meir: THE COLORS
ARE EVEN MORE VIBRANT.

491

00:22:03,955 --> 00:22:06,658

AND I THINK, ALSO, JUST
MENTALLY, PSYCHOLOGICALLY

492

00:22:06,658 --> 00:22:09,061

REALIZING THAT, YOU KNOW,
THERE IS NOTHING

493

00:22:09,061 --> 00:22:12,464

BETWEEN THE-THE VACUUM
OF SPACE EXCEPT FOR THIS

494

00:22:12,464 --> 00:22:16,501

SPACESUIT AND YOUR VISOR.

495

00:22:16,501 --> 00:22:18,403

- Nicole Stott:

I REMEMBER THINKING THAT...

496

00:22:18,403 --> 00:22:20,806

COMING OUT, LIKE,

497

00:22:20,806 --> 00:22:23,642

THAT THE WORLD WOULD
JUST OPEN UP AROUND ME.

498

00:22:23,642 --> 00:22:25,944

AND, UM, AND THE VIEW

499

00:22:25,944 --> 00:22:28,380

FOR SOME REASON SEEMS BIGGER THAN WHAT YOU HAVE

500

00:22:28,380 --> 00:22:30,849

WHEN YOU'RE LOOKING THROUGH
THE WINDOWS OF A-A SPACECRAFT.

501

00:22:33,085 --> 00:22:34,052

- Anne McClain: I MEAN,
IT WASN'T LIKE EARTH

502

00:22:34,052 --> 00:22:35,754

IS OVER THERE. IT WASN'T
SMALL, IT WAS LIKE

503

00:22:35,754 --> 00:22:38,857

IT TOOK UP YOUR ENTIRE,
YOU KNOW, VISOR AND ALL--

504

00:22:38,857 --> 00:22:40,892

AS FAR AS YOU COULD SEE,
AND JUST WATCHING IT

505

00:22:40,892 --> 00:22:43,595

COME OVER EARTH AND JUST
HOW LARGE EARTH WAS

506

00:22:43,595 --> 00:22:45,997

COMPARED TO HOW IT WAS
FROM OUR PERSPECTIVE.

507

00:22:45,997 --> 00:22:49,301

■■■

508

00:22:49,301 --> 00:22:52,137

- Nicole Stott:
BUT, OH, MY GOSH, YOU--

509

00:22:52,137 --> 00:22:56,274

YOU SEE EARTH
AND YOU SEE THE, UH,

510

00:22:56,274 --> 00:22:58,744

GLOWING STATION AROUND YOU.

511

00:22:58,744 --> 00:23:01,546
AND YOU REALIZE, OKAY,

512
00:23:01,546 --> 00:23:04,382
I GOTTA STOP LOOKING
AT THIS STUFF

513
00:23:04,382 --> 00:23:06,885
BECAUSE IT BECOMES
A DISTRACTION TO THE WORK

514
00:23:06,885 --> 00:23:10,756
THAT YOU'RE DOING
OUT THERE.

515
00:23:10,756 --> 00:23:12,090
- Michael Foreman: SO I ALWAYS KID THOSE ASTRONAUTS

516
00:23:12,090 --> 00:23:13,859
THAT DON'T DO THE SPACEWALKS, YOU KNOW, I SAID,

517
00:23:13,859 --> 00:23:15,961
"THE VIEW FROM INSIDE HERE THROUGH THIS FLAT WINDOW

518
00:23:15,961 --> 00:23:17,929
"IS PRETTY GOOD,
YOU KNOW.

519
00:23:17,929 --> 00:23:20,532
"THE VIEW FROM OUTSIDE
IS JUST AMAZING."

520
00:23:20,532 --> 00:23:26,972
■■■

521
00:23:26,972 --> 00:23:28,340
- Nick Hague: AND-AND
THE GREAT THING

522

00:23:28,340 --> 00:23:31,309
ABOUT LIVING ON SPACE STATION,
I LOVED EVERY MINUTE OF IT.

523

00:23:31,309 --> 00:23:34,112
I-I HAD A COUNTDOWN GOING,
BUT IT WAS, "OH NO,

524

00:23:34,112 --> 00:23:36,481
"I ONLY HAVE
TWO MONTHS LEFT."

525

00:23:36,481 --> 00:23:38,383
- Jack Fischer: ALL RIGHT.

526

00:23:38,383 --> 00:23:40,852
ALL RIGHT, ONE LAST
LOOK AT THE EARTH.

527

00:23:40,852 --> 00:23:43,321
THIS IS SOME GOOD NEWS,
THE EARTH IS STILL BEAUTIFUL.

528

00:23:46,091 --> 00:23:49,394
AN EARTH IN CRISIS IS STILL
AN EARTH WORTH RETURNING TO.

529

00:23:51,696 --> 00:23:55,000
- Nick Hague: LIFE SEEMS EXTREMELY BUSY AND-AND YOU--

530

00:23:55,000 --> 00:23:56,802
YOU KNOW, THE DAYS START FLYING BY AND BEFORE YOU KNOW IT,

531

00:23:56,802 --> 00:23:58,703
IT'S OVER.

532

00:23:58,703 --> 00:24:17,556

■■■

533

00:24:17,556 --> 00:24:19,791

- Michael Foreman:

AS IT DREW TO A CLOSE,

534

00:24:19,791 --> 00:24:23,895

I-I THINK I WAS MORE
FEELING THE-- AS THOUGH,

535

00:24:23,895 --> 00:24:27,265

DID YOU DO ENOUGH
TO CAPTURE THIS

536

00:24:27,265 --> 00:24:31,837

SO THAT YOU CAN SHARE IT,
UH, WHEN YOU GET HOME?

537

00:24:31,837 --> 00:24:34,272

AND SO THAT YOU CAN LIGHT
THOSE FIRES IN PEOPLE

538

00:24:34,272 --> 00:24:36,174

AS YOU GO AROUND
AND TALK ABOUT THIS

539

00:24:36,174 --> 00:24:39,344

AND-AND TRY TO,
YOU KNOW,

540

00:24:39,344 --> 00:24:41,279

IGNITE THE PASSION
IN-IN KIDS

541

00:24:41,279 --> 00:24:44,115

JUST LIKE I HAD IGNITED
FOR ME AS A KID.

542

00:24:46,284 --> 00:25:01,433

■■

543

00:25:03,635 --> 00:25:06,371

- Nick Hague: AND YOU'RE BACK
ON THE GROUND AND, UH,

544

00:25:06,371 --> 00:25:08,473
AND SOMEBODY ELSE IS DOING
THE JOB UP THERE NOW.

545

00:25:08,473 --> 00:25:10,375
IT-IT MAKES YOU FEEL
LIKE, YOU KNOW,

546

00:25:10,375 --> 00:25:13,278
THIS IS A REALLY BIG THING
THAT WE'RE APART OF

547

00:25:13,278 --> 00:25:17,048
AND, UH, JUST, YOU KNOW,
I'M FORTUNATE TO PLAY MY PART.

548

00:25:20,518 --> 00:25:22,921
- Michael Foreman: IT IS
THE FACT THAT GOING TO SPACE

549

00:25:22,921 --> 00:25:25,657
AND SEEING THE EARTH
FROM THAT VANTAGE POINT

550

00:25:25,657 --> 00:25:29,527
HAS A LIFE-CHANGING EFFECT
ON-ON MOST OF US.

551

00:25:29,527 --> 00:25:31,863
- Tracy Dyson: UH,
IT TAKES A LOT OF ENERGY

552

00:25:31,863 --> 00:25:34,399
TO DESCRIBE, UH,

553

00:25:34,399 --> 00:25:36,568
WHAT-WHAT IT'S LIKE UP THERE BECAUSE THERE'S SO MUCH

554

00:25:36,568 --> 00:25:39,371

OF YOUR EMOTION
BUILT INTO IT.

555

00:25:39,371 --> 00:25:41,406

- Anne McClain: I THINK
THE BEST WAY TO DESCRIBE IT

556

00:25:41,406 --> 00:25:43,541

IS THAT

557

00:25:43,541 --> 00:25:45,176

YOUR VIEWPOINT CHANGES--

558

00:25:45,176 --> 00:25:46,544

YOU CAN LOOK AT
THE SAME THING,

559

00:25:46,544 --> 00:25:49,114

BUT IT CHANGES THE LENS
THROUGH WHICH YOU SEE IT.

560

00:25:49,114 --> 00:25:52,384

- David Saint-Jacques: AND THAT'S-THAT ACUTE REALIZE--

561

00:25:52,384 --> 00:25:54,786

CONCRETE REALIZATION

562

00:25:54,786 --> 00:25:57,255

THAT, UH,
WE BELONG TO EARTH

563

00:25:57,255 --> 00:25:58,857

AND NOT VICE VERSA

564

00:25:58,857 --> 00:26:00,759

IS-IS KIND OF
A MENTAL SHIFT

565

00:26:00,759 --> 00:26:03,495

TO SEE THAT THERE IS
NOWHERE ELSE WE COULD GO.

566

00:26:03,495 --> 00:26:05,063

- Michael Foreman: I THINK IF YOU'RE NOT A CONSERVATIONIST

567

00:26:05,063 --> 00:26:07,532

BEFORE YOU GO TO SPACE,
YOU'RE AT LEAST PARTLY

568

00:26:07,532 --> 00:26:09,267

A CONSERVATIONIST
WHEN YOU COME BACK.

569

00:26:09,267 --> 00:26:12,037

BECAUSE WHEN YOU SEE
HOW THIN THAT ATMOSPHERE IS,

570

00:26:12,037 --> 00:26:14,372

THAT PROTECTIVE LAYER
THAT WE HAVE HERE,

571

00:26:14,372 --> 00:26:16,274

YOU THINK, WOW, WE REALLY
HAVE TO TAKE CARE OF THIS

572

00:26:16,274 --> 00:26:19,210

BECAUSE IT DOES LOOK
SO FRAGILE FROM SPACE.

573

00:26:19,210 --> 00:26:21,313

- Jessica Meir: I THINK I FELT THAT NEED TO PROTECT IT

574

00:26:21,313 --> 00:26:24,149

EVEN BEFORE LEAVING IT,
BUT IT DEFINITELY DOES

575

00:26:24,149 --> 00:26:27,118
RESONATE EVEN MORE LOUDLY NOW, HAVING SEEN IT MYSELF

576
00:26:27,118 --> 00:26:29,554
AND HOW-HOW STUNNING
AND BEAUTIFUL IT IS.

577
00:26:29,554 --> 00:26:31,990
ALL OF THOSE
UNIQUE ECOSYSTEMS.

578
00:26:31,990 --> 00:26:33,858
EVERYTHING'S CONNECTED,
THE LAND MASSES,

579
00:26:33,858 --> 00:26:35,894
AND THE OCEAN MASSES
AND THE ATMOSPHERE,

580
00:26:35,894 --> 00:26:37,996
AND WE ARE ALL
IN IT TOGETHER.

581
00:26:37,996 --> 00:26:39,331
WE ARE ALL
DOWN THERE.

582
00:26:39,331 --> 00:26:41,633
AND SO, I THINK THAT'S
THE MOST IMPORTANT THING

583
00:26:41,633 --> 00:26:43,335
THAT I WOULD
ENCOURAGE PEOPLE

584
00:26:43,335 --> 00:26:45,537
TO THINK ABOUT
THAT PERSPECTIVE.

585
00:26:45,537 --> 00:26:48,173

- Tracy Dyson: I THINK
YOU GET A SENSE OF, UM,

586

00:26:48,173 --> 00:26:51,443
UH, PRESERVATION, OF-OF,

587

00:26:51,443 --> 00:26:52,677
UM, I DON'T WANT
THIS TO GO AWAY

588

00:26:52,677 --> 00:26:55,914
AND I DON'T WANT TO BE
THE ONLY ONE TO SEE THIS.

589

00:26:55,914 --> 00:26:58,383
AND THERE'S SO MANY PEOPLE
THAT NEED TO SEE IT,

590

00:26:58,383 --> 00:27:01,152
BUT ONLY A HANDFUL WILL
IN THIS LIFETIME.

591

00:27:03,321 --> 00:27:04,589
- Alvin Drew: YOU KNOW,
I-I REMEMBER COMING BACK

592

00:27:04,589 --> 00:27:06,091
FROM ALL MY MISSIONS
WITH THAT SENSE THAT,

593

00:27:06,091 --> 00:27:07,993
YOU KNOW, WE'RE ALL CONNECTED, WE'RE ALL PEOPLE.

594

00:27:07,993 --> 00:27:10,161
AND I THOUGHT ABOUT,

595

00:27:10,161 --> 00:27:12,097
WHY IS IT THAT
WE DO HAVE CONFLICTS?

596
00:27:12,097 --> 00:27:14,199
WHAT IS IT THAT SEPARATES US FROM ONE ANOTHER?

597
00:27:14,199 --> 00:27:15,367
- Reid Wiseman: IF YOU CAN
GET SEVEN BILLION PEOPLE

598
00:27:15,367 --> 00:27:18,470
TO GO UP THERE AND LOOK DOWN
FOR JUST EVEN 30 SECONDS

599
00:27:18,470 --> 00:27:20,805
YOU WOULD CHANGE THEM,
ALL OF THEM, FOREVER.

600
00:27:20,805 --> 00:27:22,207
THEY WOULDN'T ALL
COME BACK AND BE FRIENDS,

601
00:27:22,207 --> 00:27:24,042
THEY WOULDN'T ALL COME BACK
AND TEAR DOWN BORDER WALLS

602
00:27:24,042 --> 00:27:25,610
AND THINGS LIKE THAT,
BUT YOU WOULD CHANGE

603
00:27:25,610 --> 00:27:27,846
ALL OF THEM AND YOU WOULD CHANGE THEM ALL FOR THE BETTER,

604
00:27:27,846 --> 00:27:29,647
AND YOU WOULD HAVE A DIFFERENT VIEW OF THE PLANET.

605
00:27:29,647 --> 00:27:32,117
- Mike Fossum: UH, I THINK
IF PEOPLE, THEY CAN LIFT

606
00:27:32,117 --> 00:27:35,754
THEIR EYES UP AND SEE

THE BIGGER PICTURE,

607

00:27:35,754 --> 00:27:38,556

WHETHER IT'S FROM ORBIT OR
EVEN JUST UNDERSTANDING

608

00:27:38,556 --> 00:27:39,991

THE DIFFERENT SIDES,

609

00:27:39,991 --> 00:27:42,227

MAYBE EVEN JUST SPENDING MORE TIME LISTENING, YOU KNOW,

610

00:27:42,227 --> 00:27:43,895

RATHER THAN SHOUTING.

611

00:27:43,895 --> 00:27:45,830

- Nicole Stott: AND THAT'S
WHAT I WANT PEOPLE TO FIND.

612

00:27:45,830 --> 00:27:49,667

I ABSOLUTELY FOUND THAT IN
THE EXPERIENCE I HAD IN SPACE,

613

00:27:49,667 --> 00:27:53,805

IN THIS-- THE SIMPLE FACTS
OF US LIVING ON A PLANET

614

00:27:53,805 --> 00:27:55,774

AND ALL BEING
EARTHLINGS, AND...

615

00:27:55,774 --> 00:27:58,877

THE ONLY BORDER THAT MATTERS
IS THAT THIN, BLUE LINE.