



NEW HORIZONS  
NEW HORIZONS

5 6  
Minutes Seconds

1  
00:00:44,860 --> 00:02:41,650  
>> MYSTERIES

2  
00:03:07,780 --> 00:03:02,730  
ON

3  
00:03:07,780 --> 00:03:15,270  
PLUTO BECAME A PREVIEW OF THE  
ICY ROCKY OBJECTS AND HISTORY

4  
00:03:15,270 --> 00:03:20,000  
TOLD US IT'S THE FIRST GLIMPSE  
OF OTHER INCREDIBLE SCIENTIFIC

5  
00:03:20,000 --> 00:03:21,660  
FINDS.

6  
00:03:21,660 --> 00:03:24,390  
NOT ONLY CAN YOU GET THE LATEST  
IMAGES, SCIENCE FINDINGS AND

7  
00:03:24,390 --> 00:03:27,790  
MISSION UPDATES RIGHT HERE ON  
NASA TELEVISION TODAY AND OVER

8  
00:03:27,790 --> 00:03:31,000  
THE NEXT SEVERAL WEEKS AND  
MONTHS JOIN THAT CONVERSATION

9  
00:03:31,000 --> 00:03:35,610  
VIA TWITTER, FACEBOOK AND OTHER  
SOCIAL MEDIA PLATFORMS TALKING

10  
00:03:35,610 --> 00:03:40,480  
ABOUT THE JULY 14th FLY BY  
TODAY.

11  
00:03:40,480 --> 00:03:47,629  
SEND IN YOUR QUESTIONS

AT†#PLUTOFLYBY AND IMAGES ALL

12

00:03:47,629 --> 00:03:51,110  
AVAILABLE AT NASA.GOV/NEW  
HORIZONS.

13

00:03:51,110 --> 00:03:54,730  
WOW IS ALL I CAN SAY.

14

00:03:54,730 --> 00:03:57,280  
>> YOU CAN FEEL IT IN HERE.

15

00:03:57,280 --> 00:04:00,830  
THERE'S AN ELECTRIC ATMOSPHERE  
THIS MORNING WITH A LOT GOING

16

00:04:00,830 --> 00:04:01,830  
ON.

17

00:04:01,830 --> 00:04:04,680  
OUTSIDE OUR DOORS IT'S MISSION  
TEAM MEMBERS FRIENDS FAMILY AND

18

00:04:04,680 --> 00:04:07,300  
OTHERS GETTING READY FOR THIS  
INCREDIBLE ACHIEVEMENT.

19

00:04:07,300 --> 00:04:11,320  
THERE'S MEMBERS OF THE SCIENCE  
TEAM GETTING READY FOR SOME OF

20

00:04:11,320 --> 00:04:20,419  
THE BEST VIEWS WE HAVE EVER SEEN  
THE SPACECRAFT IS ON ITS OWN.

21

00:04:20,419 --> 00:04:24,810  
THEY WERE PROGRAMMED INTO  
COMPUTERS LAST WEEK AND, IN

22

00:04:24,810 --> 00:04:27,330  
FACT, LET'S CHECK IN ON NEW  
HORIZONS.

23

00:04:27,330 --> 00:04:30,720  
THIS IS THE EYES ON THE SOLAR  
SYSTEM OF NEW HORIZONS.

24

00:04:30,720 --> 00:04:38,060  
IT'S BASED ON ACTUAL COMMAND.

25

00:04:38,060 --> 00:04:45,910  
NOW SPEAKING OF EXCITEMENT  
DEWAYNE IS GOING TO HEAD OUT TO

26

00:04:45,910 --> 00:04:50,080  
FLY BY COUNTDOWN CENTER AND  
HERE'S A MESSAGE FOR SOMEONE

27

00:04:50,080 --> 00:04:54,369  
THAT ISN'T AS FAR AS PLUTO BUT  
DEFINITELY OUT OF THIS WORLD.

28

00:04:54,369 --> 00:05:02,110  
>> HI, I'M ASTRONAUT SCOTT  
KELLY.

29

00:05:02,110 --> 00:05:05,870  
NASA IS ALL ABOUT EXPLORATION  
AND DISCOVERY.

30

00:05:05,870 --> 00:05:10,660  
WHETHER IT'S HERE, CLOSE TO  
EARTH, OR NOW BILLIONS OF MILES

31

00:05:10,660 --> 00:05:17,060  
AWAY AT PLUTO AND THE FAR EDGE  
OF THE SOLAR SYSTEM.

32

00:05:17,060 --> 00:05:20,039

UNTIL NOW PLUTO IS A MYSTERY.

33

00:05:20,039 --> 00:05:24,860

THE LAST UNEXPLORED MAJOR BODY  
IN OUR SOLAR SYSTEM BUT THAT'S

34

00:05:24,860 --> 00:05:26,490

ALL ABOUT TO CHANGE.

35

00:05:26,490 --> 00:05:31,800

THE SPACECRAFT IS MAKING HISTORY  
AFTER A NINE YEAR JOURNEY AS IT

36

00:05:31,800 --> 00:05:35,760

ENCOUNTERS PLUTO AND IT'S SYSTEM  
OF MOONS.

37

00:05:35,760 --> 00:05:40,599

I'M EXCITED TO SEE THE CLOSE UP  
IMAGES OF THIS PLANET AND TO SEE

38

00:05:40,599 --> 00:05:47,700

NASA COMPLETE THE DISTANT  
REACHES OF OUR SOLAR SYSTEM.

39

00:05:47,700 --> 00:05:50,610

FROM THE INTERNATIONAL SPACE  
STATION I'M SENDING MY HEART

40

00:05:50,610 --> 00:05:54,950

FELT BEST WISHES AND  
CONGRATULATIONS TO THE NEW

41

00:05:54,950 --> 00:05:56,550

HORIZONS TEAM.

42

00:05:56,550 --> 00:06:01,800

JUST LIKE ME ALL OF US AT NASA  
CAN PROUDLY SAY MY OTHER VEHICLE

43

00:06:01,800 --> 00:06:11,129  
IS ON ITS WAY TO PLUTO.

44

00:06:11,129 --> 00:06:12,870  
>> DEWAYNE BROWN IS OUTSIDE.

45

00:06:12,870 --> 00:06:15,960  
LET'S CHECK DOWN WITH HIM IN  
COUNTDOWN CENTRAL.

46

00:06:15,960 --> 00:06:17,900  
LOTS OF EYES ON THE CLOCK OUT  
THERE?

47

00:06:17,900 --> 00:06:19,820  
>> EVEN MORE.

48

00:06:19,820 --> 00:06:30,379  
SO TAKING A LITTLE BREAK AND  
HOPEFULLY THEY'LL ALL BE HERE.

49

00:06:30,379 --> 00:06:31,379  
>> CAN YOU HEAR ME?

50

00:06:31,379 --> 00:06:33,270  
>> I GOT YOU.

51

00:06:33,270 --> 00:06:37,750  
>> I APOLOGIZE FOR BEING LATE  
BUT THE CROWD IS SO THICK IN

52

00:06:37,750 --> 00:06:39,039  
HERE IT'S UNBELIEVABLE.

53

00:06:39,039 --> 00:06:42,860  
IF I CLOSE MY EYES I WOULD THINK  
I WAS IN NEW YORK AT TIMES

54

00:06:42,860 --> 00:06:43,860  
SQUARE.

55  
00:06:43,860 --> 00:06:49,669  
COUNTDOWN AND WHAT YOU'RE  
HEARING NOW IS A SPEECH BY THE

56  
00:06:49,669 --> 00:06:53,659  
MISSION'S TEAM PROJECT MANAGER.

57  
00:06:53,659 --> 00:06:56,870  
HE'S TALKING TO THE CROWD.

58  
00:06:56,870 --> 00:06:58,539  
THE EXPERIENCE.

59  
00:06:58,539 --> 00:07:05,090  
AND EVERYTHING EVERYONE IS  
SO

60  
00:07:05,090 --> 00:07:06,859  
EXCITED.

61  
00:07:06,859 --> 00:07:12,550  
>> I HAVE BEEN DOING THIS FOR 30  
YEARS.

62  
00:07:12,550 --> 00:07:14,650  
IT'S ABSOLUTELY AMAZING HERE.

63  
00:07:14,650 --> 00:07:19,650  
WE'LL TRY TO GET INTERVIEWS HERE  
AND THEN I'LL TOSS IT BACK TO

64  
00:07:19,650 --> 00:07:21,729  
YOU AND SEE IF WE CAN GET SOME  
SPECIAL GUESTS.

65  
00:07:21,729 --> 00:07:22,729

>> OKAY.

66

00:07:22,729 --> 00:07:25,669

WHILE WE'RE DOING THAT, LET'S  
CHECK BACK IN ON THE EYES ON

67

00:07:25,669 --> 00:07:26,669

PLUTO SIMULATION.

68

00:07:26,669 --> 00:07:31,690

YOU CAN CHECK OUT THE ACTIVITY  
ONLINE AT EYES.NASA.GOV TO POINT

69

00:07:31,690 --> 00:07:32,690

OUT WHAT YOU'RE LOOKING AT HERE.

70

00:07:32,690 --> 00:07:36,280

THIS IS WHAT THE SPACECRAFT IS  
DOING HERE.

71

00:07:36,280 --> 00:07:39,570

YOU CAN SEE THE INSTRUMENTS  
GOING THROUGH THEIR OBSERVATIONS

72

00:07:39,570 --> 00:07:44,010

COLOR CODED TAKING THE SCAN OF  
PLUTO.

73

00:07:44,010 --> 00:07:46,419

IT LOOKS LIKE IT'S GOING OVER  
THE HEART RIGHT THIS SECOND.

74

00:07:46,419 --> 00:07:48,570

>> AMAZING OBSERVATION.

75

00:07:48,570 --> 00:07:57,770

SO WE'LL SEE IF HE'S GOT HIS  
INTERVIEWS.

76

00:07:57,770 --> 00:08:03,430  
WITH US IS ALICE BOWMAN THE  
MISSION OPERATIONS MANAGER AND

77

00:08:03,430 --> 00:08:05,700  
MY FIRST QUESTION FOR YOU IS  
WHAT ARE YOU DOING HERE?

78

00:08:05,700 --> 00:08:08,839  
SHOULDN'T SOMEBODY BE FLYING THE  
SPACECRAFT BUT NEW HORIZONS IS

79

00:08:08,839 --> 00:08:10,190  
ON ITS OWN.

80

00:08:10,190 --> 00:08:22,960  
PROGRAMMED TO BE DOING ALL OF  
THESE MANEUVERS NEAR PLUTO.

81

00:08:22,960 --> 00:08:25,409  
>> IT'S JUST TICKING DOWN IT'S  
CHECKLIST.

82

00:08:25,409 --> 00:08:29,020  
THOSE COMMANDS ARE FIRING OFF AT  
THE TIME SCIENTISTS WANT THEM TO

83

00:08:29,020 --> 00:08:30,650  
FIRE OFF.

84

00:08:30,650 --> 00:08:34,320  
THIS IS WHEN YOU GET THE BEST  
SCIENCE.

85

00:08:34,320 --> 00:08:37,620  
SO WE DON'T WANT IT TO TALK TO  
US.

86

00:08:37,620 --> 00:08:39,240  
WE WANT IT TO TAKE SCIENCE.

87

00:08:39,240 --> 00:08:40,620

THAT'S WHAT IT'S DOING.

88

00:08:40,620 --> 00:08:45,020

MANY OF THE TEAM MEMBERS ARE  
HERE.

89

00:08:45,020 --> 00:08:46,880

>> WHEN WAS THE LAST TIME WE  
HEARD FROM IT?

90

00:08:46,880 --> 00:08:49,680

>> WE HEARD FROM IT LAST NIGHT.

91

00:08:49,680 --> 00:08:54,380

WE STARTED THE TRACK ABOUT  
10:08:00†P.M.

92

00:08:54,380 --> 00:09:02,680

EASTERN AND WE HAD  
SIGNAL UNTIL 11:17†P.M.

93

00:09:02,680 --> 00:09:06,879

>> IT CAN'T TAKE DATA AND TALK  
TO US AT THE SAME TIME.

94

00:09:06,879 --> 00:09:11,800

>> WE BUILT THEM FOR LONG  
DURATION AND YOU WANT TO HAVE AS

95

00:09:11,800 --> 00:09:14,330

FEW MOVING PARTS AS POSSIBLE.

96

00:09:14,330 --> 00:09:22,290

WE HAD THAT FIXED ANTENNA TO YOU  
HAVE TO POINT THAT ANTENNA BACK

97

00:09:22,290 --> 00:09:25,350

TO EARTH SO IT CAN BEAM THAT  
SIGNAL.

98

00:09:25,350 --> 00:09:28,160

LIKEWISE WHEN YOU TAKE SCIENCE  
OBSERVATIONS YOU HAVE TO TAKE

99

00:09:28,160 --> 00:09:31,769

THAT SPACE TEST AND POINT THOSE  
INSTRUMENTS TO WHERE THOSE

100

00:09:31,769 --> 00:09:34,860

OBJECTS ARE THAT THEY WANT TO  
OBSERVE.

101

00:09:34,860 --> 00:09:38,589

>> LIKE YOU MENTIONED BEFORE,  
YOU KNOW, LESS TIME ON PLUTO,

102

00:09:38,589 --> 00:09:41,370

MORE TIME TALKING TO EARTH IS  
LESS TIME ON PLUTO AND THE

103

00:09:41,370 --> 00:09:44,860

BUSIEST TIME RIGHT NOW FOR THIS  
ENCOUNTER HAPPENING, YOU

104

00:09:44,860 --> 00:09:46,250

DEFINITELY DON'T WANT TO BE  
LOOKING AT EARTH.

105

00:09:46,250 --> 00:09:49,560

>> NO, DEFINITELY NOT.

106

00:09:49,560 --> 00:09:51,339

>> LET'S TAKE IT THROUGH THE  
TIME LINE THEN OF WHAT HAPPENS

107

00:09:51,339 --> 00:09:52,580

TODAY AND THROUGH TONIGHT.

108

00:09:52,580 --> 00:09:54,930

WE'VE SEEN THE OBSERVATIONS  
HAPPENING ON BOARD.

109

00:09:54,930 --> 00:09:58,079

WHAT ABOUT THE REST OF THE DAY?

110

00:09:58,079 --> 00:10:04,430

>> I'LL STEP BACK AND SAY WE HAD  
A LOT OF ACTIVITY LAST NIGHT.

111

00:10:04,430 --> 00:10:09,360

WE DIDN'T HAVE SIGNAL FROM THE  
SPACECRAFT BUT HE WERE ACTUALLY

112

00:10:09,360 --> 00:10:12,709

UP LINKING SIGNALS TO THE  
INSTRUMENT ON BOARD AND OF

113

00:10:12,709 --> 00:10:17,860

COURSE WE HAVE TO START THOSE UP  
LINKS ABOUT 4.5 HOURS BEFORE

114

00:10:17,860 --> 00:10:20,860

THAT EXPERIMENT IS TAKING PLACE  
ON THE SPACECRAFT.

115

00:10:20,860 --> 00:10:27,560

WE HAD 7 OF THE DEEP SPACE  
NETWORK ANTENNAS TRAINED ON NEW

116

00:10:27,560 --> 00:10:30,550

HORIZONS AND SENDING AN UP LINK  
SIGNAL.

117

00:10:30,550 --> 00:10:33,240

WE STARTED THAT ABOUT 3:00†A.M.

118

00:10:33,240 --> 00:10:39,720  
THIS MORNING AND WE CONTINUED  
THAT AND WE'LL TAKE A BREAK AND

119  
00:10:39,720 --> 00:10:44,060  
IN A COUPLE OF HOURS DO THAT  
AGAIN.

120  
00:10:44,060 --> 00:10:51,800  
YOU'LL SEE A START TO CONGREGATE  
THERE A LITTLE BIT BEFORE

121  
00:10:51,800 --> 00:10:54,410  
PERHAPS 7:00†P.M.

122  
00:10:54,410 --> 00:10:58,720  
AND WE WILL  
HOPEFULLY I'M SURE GET SIGNAL AT

123  
00:10:58,720 --> 00:11:00,529  
8:53†P.M.

124  
00:11:00,529 --> 00:11:02,350  
LOCAL.

125  
00:11:02,350 --> 00:11:15,550  
WE'LL HAVE A VERY SHORT WINDOW  
AND THAT'S OUR PLAN FOR TODAY.

126  
00:11:15,550 --> 00:11:20,589  
>> A LITTLE BIT OF REST IN  
BETWEEN I WOULD THINK.

127  
00:11:20,589 --> 00:11:21,689  
THANK YOU FOR JOINING US.

128  
00:11:21,689 --> 00:11:23,370  
GOOD LUCK TONIGHT.

129

00:11:23,370 --> 00:11:27,980  
>> I HAVE TO SAY TOO, THE SOCIAL  
MEDIA BUILD UP ON THIS HAS JUST

130  
00:11:27,980 --> 00:11:33,540  
BEEN INCREDIBLE AND, I MEAN, GO  
TO NASA SOCIAL†-- JASON, I'M

131  
00:11:33,540 --> 00:11:37,370  
HAVING A HARD TIME NOT LOOKING  
AT MY IPAD HERE AND CHECKING OUT

132  
00:11:37,370 --> 00:11:39,389  
TWITTER AND THE BUZZ AND  
EVERYTHING ELSE GOING ON.

133  
00:11:39,389 --> 00:11:47,930  
TELL US WHAT'S HAPPENING.

134  
00:11:47,930 --> 00:11:52,779  
>> WE'LL BE DOING LIVE COVERAGE  
ALL OVER SOCIAL MEDIA OUT THERE.

135  
00:11:52,779 --> 00:11:55,570  
PLUTO FLY BY IS TRENDING ON  
FACEBOOK AND TWITTER.

136  
00:11:55,570 --> 00:12:00,639  
WE HAVE A SNEAK PEAK OF THE  
IMAGE THAT WILL BE RELEASED THIS

137  
00:12:00,639 --> 00:12:03,029  
MORNING ON NASA'S INSTAGRAM  
ACCOUNT.

138  
00:12:03,029 --> 00:12:08,140  
A LOT THAT EVERYONE CAN FOLLOW  
AND GO ALONG WITH TODAY.

139  
00:12:08,140 --> 00:12:11,300

THEY'RE SCHEDULED ALL AFTERNOON  
AND EVENING.

140

00:12:11,300 --> 00:12:15,449  
MEMBERS OF THE TEAM READY TO  
ANSWER YOUR QUESTIONS.

141

00:12:15,449 --> 00:12:19,990  
STARTING TODAY NOON EASTERN TIME  
ON THE REDDIT SITE.

142

00:12:19,990 --> 00:12:20,990  
AT 2:00†P.M.

143

00:12:20,990 --> 00:12:22,920  
EASTERN TIME TODAY  
WE'LL HAVE A FACEBOOK QUESTION

144

00:12:22,920 --> 00:12:25,279  
AND ANSWER SESSION ON NASA'S  
FACEBOOK PAGE.

145

00:12:25,279 --> 00:12:28,779  
THAT'S FACEBOOK.COM/NASA AND AT  
6:00†P.M.

146

00:12:28,779 --> 00:12:31,501  
EASTERN TIME WE'LL BE  
DOING A TWEET CHAT ON AT NASA

147

00:12:31,501 --> 00:12:35,709  
NEW HORIZONS.

148

00:12:35,709 --> 00:12:40,290  
>> DURING OUR PRESS BRIEFINGS  
THIS MORNING AND THIS EVENING

149

00:12:40,290 --> 00:12:43,470  
WHERE WE GET THE HEALTHY  
SPACECRAFT SIGNAL BACK WE'LL BE

150

00:12:43,470 --> 00:12:47,790

TAKING YOUR QUESTIONS AND HAVING  
THEM ANSWERED UP HERE USING

151

00:12:47,790 --> 00:12:49,480

THE #ASK NASA.

152

00:12:49,480 --> 00:12:52,310

THERE'S LOTS YOU CAN GET  
INVOLVED WITH.

153

00:12:52,310 --> 00:12:53,319

IT'S AN EXCITING DAY.

154

00:12:53,319 --> 00:12:54,930

WE HOPE YOU'LL CONTINUE  
FOLLOWING ALONG.

155

00:12:54,930 --> 00:12:58,950

WE'LL BE POSTING ALL THE NEWS  
ABOUT THE PLUTO FLY BY TODAY AT

156

00:12:58,950 --> 00:13:04,329

NASA AND ON TWITTER ON NASA'S  
BOOK PAGE AND INSTAGRAM ACCOUNTS

157

00:13:04,329 --> 00:13:07,310

OUT THERE AS WELL AS THE NEW  
HORIZONS FACEBOOK PAGE.

158

00:13:07,310 --> 00:13:09,810

FOLLOW ALONG, JOIN US AND GET  
INVOLVED.

159

00:13:09,810 --> 00:13:12,569

>> I'M CURIOUS TOO BECAUSE  
THERE'S SO MUCH COMING OUT OF

160

00:13:12,569 --> 00:13:14,620  
THE MISSION AND PICTURES AND  
CONVERSATION.

161  
00:13:14,620 --> 00:13:16,160  
WHAT ARE YOU SEEING MORE OF  
ONLINE.

162  
00:13:16,160 --> 00:13:20,529  
IS IT PEOPLE TALKING ABOUT THE  
MISSION COMING DOWN OR THE

163  
00:13:20,529 --> 00:13:22,889  
EXCITEMENT OF WHAT'S HAPPENING  
WITH NEW HORIZON SFS WHAT ARE

164  
00:13:22,889 --> 00:13:24,179  
YOU SEEING?

165  
00:13:24,179 --> 00:13:25,480  
>> PEOPLE ARE EXCITED.

166  
00:13:25,480 --> 00:13:28,920  
THIS IS ONE OF THE MOST  
INCREDIBLE LOOKS WE'VE HAD OF

167  
00:13:28,920 --> 00:13:29,920  
PLUTO.

168  
00:13:29,920 --> 00:13:33,410  
IT'S THE FIRST SPACECRAFT TO GET  
THERE AND TAKE AN IN DEPTH LOOK.

169  
00:13:33,410 --> 00:13:37,319  
SO PEOPLE ARE STANDING BY  
WAITING FOR THE LATEST AND

170  
00:13:37,319 --> 00:13:40,441  
GREATEST IMAGES AND ALL THE  
INFORMATION THAT THE MISSION IS

171

00:13:40,441 --> 00:13:42,970

GOING TO BE RETURNING SO WE'RE  
GOING TO BE CHAIRING THAT ALL

172

00:13:42,970 --> 00:13:44,899

ALONG ON SOCIAL MEDIA WITH  
EVERYONE.

173

00:13:44,899 --> 00:13:45,899

>> OKAY.

174

00:13:45,899 --> 00:13:47,529

JASON, SOUNDS GOOD, THANKS.

175

00:13:47,529 --> 00:13:55,649

SO REMEMBER KEEP FOLLOWING THE  
ACTIVITY.

176

00:13:55,649 --> 00:13:57,639

NASA.GOV/NEW HORIZONS.

177

00:13:57,639 --> 00:13:59,550

LET'S GO BACK OUT TO DUE WAYNE  
BROWN.

178

00:13:59,550 --> 00:14:00,759

COUNTDOWN CENTRAL.

179

00:14:00,759 --> 00:14:02,649

WHAT'S GOING ON?

180

00:14:02,649 --> 00:14:07,040

>> I HOPE YOU CAN HEAR ME  
BECAUSE THE TENSION, THE

181

00:14:07,040 --> 00:14:10,060

EXCITEMENT IS INFECTIOUS.

182

00:14:10,060 --> 00:14:14,680

PEOPLE FROM ALL OVER THE WORLD,  
OF ALL AGES ARE SO EXCITED.

183

00:14:14,680 --> 00:14:21,329

SOME ARE EVEN CRYING WAITING FOR  
THIS MOMENT, YOU KNOW?

184

00:14:21,329 --> 00:14:26,920

I HAVE BEEN†-- I'VE NEVER SEEN  
SO MUCH EXCITEMENT AND SO MUCH

185

00:14:26,920 --> 00:14:28,509

ANTICIPATION OF IT.

186

00:14:28,509 --> 00:14:38,959

YOU'RE HEARING FROM TOM TALKING  
TO THE AUDIENCE AND HAS A

187

00:14:38,959 --> 00:14:48,490

DAUGHTER AND SON WHO DISCOVERED  
PLUTO IN 1930 AND AGAIN

188

00:14:48,490 --> 00:14:53,120

APOLOGIZE FOR ALL OF THE EXTRA  
NOISE HERE BUT, YOU KNOW, HERE

189

00:14:53,120 --> 00:14:57,350

IN COUNTDOWN CENTRAL EVERYBODY  
IS HAVING A GOOD TIME.

190

00:14:57,350 --> 00:14:59,160

IT'S A CELEBRATION.

191

00:14:59,160 --> 00:15:04,200

I'M GLAD TO BE HERE.

192

00:15:04,200 --> 00:15:05,200

BACK TO YOU.

193

00:15:05,200 --> 00:15:08,100

WE'RE GETTING CLOSE TO MAKING  
HISTORY.

194

00:15:08,100 --> 00:15:12,839

>> THANKS DUE WAYNE.

195

00:15:12,839 --> 00:15:19,700

>> WE'RE GOING TO CHECK BACK IN  
WITH THE SPACECRAFT.

196

00:15:19,700 --> 00:15:23,579

HUNDREDS OF OBSERVATIONS AT THIS  
POINT AT CLOSE APPROACH AS WE

197

00:15:23,579 --> 00:15:30,249

GET CLOSER TO PLUTO.  
4 MINUTES AWAY FROM FLYING BY

198

00:15:30,249 --> 00:15:31,399

PLUTO.

199

00:15:31,399 --> 00:15:35,410

LOOKING AT THE OBSERVATIONS  
HERE.

200

00:15:35,410 --> 00:15:36,509

THEY CALL IT THE PLUTO BARRIER  
CENTER.

201

00:15:36,509 --> 00:15:39,850

THIS IS THE SPOT OF GRAVITY  
BETWEEN PLUTO AND IT'S LARGEST

202

00:15:39,850 --> 00:15:41,160

MOON SHARON.

203

00:15:41,160 --> 00:15:43,019

FOLLOW THIS ONLINE.

204

00:15:43,019 --> 00:15:44,499

EYES.NASA.GOV.

205

00:15:44,499 --> 00:15:50,350

THIS IS THE FASTEST SPACECRAFT  
EVER TO LEAVE EARTH ABILITY TO

206

00:15:50,350 --> 00:15:54,470

COMPLETE THE FARTHER VOYAGE TO  
REACH IT'S PRIMARY TARGET.

207

00:15:54,470 --> 00:15:57,860

THE FIRST EXPLORATION OF PLUTO  
AND IT'S FAMILY OF MOONS.

208

00:15:57,860 --> 00:16:15,449

OPENING THE DOOR TO AN ENTIRELY  
NEW REE SKRON.

209

00:16:15,449 --> 00:16:23,489

REGION.

210

00:16:23,489 --> 00:16:28,850

>> TONIGHT WE EXPECT NEW  
HORIZONS TO CHECK BACK IN WITH

211

00:16:28,850 --> 00:16:32,059

THE SIGNAL THAT WOULD INDICATE  
THAT IT'S HEALTHY AND DID

212

00:16:32,059 --> 00:16:38,160

EVERYTHING IT WAS PROGRAMMED AND  
SUPPOSED TO DO.

213

00:16:38,160 --> 00:16:39,639

DEWAYNE BACK TO YOU.

214

00:16:39,639 --> 00:16:44,279  
>> MIKE, WE ARE ABOUT THREE  
MINUTES AWAY.

215  
00:16:44,279 --> 00:16:51,660  
RIGHT NOW THE HEAD OF PLANETARY  
SCIENCE IS ADDRESSING THE

216  
00:16:51,660 --> 00:16:55,410  
AUDIENCE.

217  
00:16:55,410 --> 00:16:59,310  
EVERYONE HAS AN AMERICAN FLAG  
AND WHEN WE HAVE THAT COUNTDOWN,

218  
00:16:59,310 --> 00:17:02,839  
YOU'RE GOING TO SEE SOMETHING  
REALLY, REALLY SPECIAL.

219  
00:17:02,839 --> 00:17:05,430  
THE EXCITEMENT IS INFECTIOUS.

220  
00:17:05,430 --> 00:17:09,579  
I HOPE THAT YOU GET ONE OF THESE  
FLAGS BECAUSE I'M REALLY LUCKY

221  
00:17:09,579 --> 00:17:15,210  
TO HAVE THIS AND I'LL TAKE IT  
BACK TO YOU.

222  
00:17:15,210 --> 00:17:24,650  
>> I'M GOING TO GO BACK TO  
JASON.

223  
00:17:24,650 --> 00:17:29,320  
CHECKING THE TRENDING OUT THERE  
OF WHAT'S HAPPENING?

224  
00:17:29,320 --> 00:17:33,809  
>> THERE'S A LOT OF LOVE OF THE

SNEAK PEAK ON INSTAGRAM AND

225

00:17:33,809 --> 00:17:37,530

WE'RE GOING TO GET READY AT  
8:00†A.M.

226

00:17:37,530 --> 00:17:43,730

AND RELEASE THE IMAGE  
EVERYWHERE AND PUT IT OUT AND

227

00:17:43,730 --> 00:17:48,770

LEADING UP TO THE NEXT COUPLE OF  
MINUTES PEOPLE ARE TALKING ABOUT

228

00:17:48,770 --> 00:17:49,770

IT.

229

00:17:49,770 --> 00:17:52,620

WE'RE STILL TRENDING ON TWITTER  
AND FACEBOOK AND GETTING

230

00:17:52,620 --> 00:17:54,409

INVOLVED IN THE CONVERSATION.

231

00:17:54,409 --> 00:17:57,239

JOIN US.

232

00:17:57,239 --> 00:17:58,239

>> CONTINUE TO FOLLOW ALONG.

233

00:17:58,239 --> 00:18:00,309

WE'RE LIVE ON NASA TV.

234

00:18:00,309 --> 00:18:03,860

YOU CAN FOLLOW AT NASA.GOV.

235

00:18:03,860 --> 00:18:09,799

KEEP LOOKING FOR NEWS.

236

00:18:09,799 --> 00:18:18,080

>> WE'LL BE READY TO JOIN THE  
COUNTDOWN SOON.

237

00:18:18,080 --> 00:18:21,090

DEWAYNE, ACTIVITY OUT THERE?

238

00:18:21,090 --> 00:18:24,200

HOW IS IT LOOKING?

239

00:18:24,200 --> 00:18:26,560

>> IT'S GETTING CLOSE HERE.

240

00:18:26,560 --> 00:18:29,040

THE PRINCEABLE INVESTIGATOR OF  
THE MISSION CALLED EVERYBODY TO

241

00:18:29,040 --> 00:18:30,260

THE STAGE.

242

00:18:30,260 --> 00:18:35,490

WE'VE HAD SPEECHES AND REMARKS  
AND THE SON AND DAUGHTER OF THE

243

00:18:35,490 --> 00:18:39,830

MAN THAT DISCOVERED PLUTO IN  
1930 AND WE'RE GETTING THERE

244

00:18:39,830 --> 00:18:45,620

WITH A LITTLE OVER A MINUTE OUT  
IN COUNTDOWN CENTER.

245

00:18:45,620 --> 00:18:50,320

THE EXCITEMENT AND THE WHOLE  
WORLD IS WATCHING IT.

246

00:18:50,320 --> 00:18:51,840

ALL OF THE MEDIA.

247

00:18:51,840 --> 00:18:54,190

SOCIAL MEDIA.

248

00:18:54,190 --> 00:18:55,280

IT'S JUST AMAZING.

249

00:18:55,280 --> 00:18:56,860

MUSEUMS, EVERYBODY.

250

00:18:56,860 --> 00:18:59,210

EVERYBODY IS A PART OF HISTORY.

251

00:18:59,210 --> 00:19:02,580

HISTORY AND SCIENCE AND  
EXPLORATION TAKING PLACE RIGHT

252

00:19:02,580 --> 00:19:06,799

HERE IN MARYLAND AT THE JOHNS  
HOPKINS APPLIED PHYSICS

253

00:19:06,799 --> 00:19:08,010

LABORATORY.

254

00:19:08,010 --> 00:19:14,029

WE'RE GETTING CLOSE.

255

00:19:14,029 --> 00:19:16,470

IT'S ALMOST THERE.

256

00:19:16,470 --> 00:19:19,490

YOU'RE GOING TO SEE THOUSANDS†--  
PROBABLY MORE THAN A THOUSAND

257

00:19:19,490 --> 00:19:20,710

PEOPLE ARE CROWDED IN THIS ROOM.

258

00:19:20,710 --> 00:19:23,000

THEY'RE GOING TO HAVE AMERICAN

FLAGS.

259

00:19:23,000 --> 00:19:25,419

THEY'RE GATHERING.

260

00:19:25,419 --> 00:19:27,850

THEY'RE HUGGING.

261

00:19:27,850 --> 00:19:28,850

IT'S ABOUT AMERICA.

262

00:19:28,850 --> 00:19:30,600

WE'RE GETTING READY TO MAKE  
HISTORY.

263

00:19:30,600 --> 00:19:39,940

LET'S TAKE IT AND SEE HISTORY IN  
THE MAKING.

264

00:19:39,940 --> 00:20:07,210

>> 9, 8, 7, 6, 5, 4, 3, 2, 1.

265

00:20:07,210 --> 00:20:31,450

[†CHEERS AND APPLAUSE†]

>> HEY, LILLIAN, CAN YOU GET

266

00:20:31,450 --> 00:20:37,520

JOHN HERE.

267

00:20:37,520 --> 00:20:42,181

>> WE'LL SEE THE ATMOSPHERE IN  
THE ROOM TOO.

268

00:20:42,181 --> 00:20:45,210

PEOPLE THERE WERE WAVING FLAGS.

269

00:20:45,210 --> 00:20:48,300

NEW HORIZONS SPACECRAFT PASSED  
IT'S CLOSE APPROACH MARK AT

270

00:20:48,300 --> 00:20:52,679

PLUTO AFTER A 3 BILLION MILE  
JOURNEY.

271

00:20:52,679 --> 00:20:54,649

9.5 YEARS.

272

00:20:54,649 --> 00:20:56,970

LAUNCHED IN JANUARY 2006.

273

00:20:56,970 --> 00:20:59,730

FLEW BY JUPITER 2007.

274

00:20:59,730 --> 00:21:02,600

RECORD SPEED ACROSS THE SOLAR  
SYSTEM.

275

00:21:02,600 --> 00:21:05,130

CROSSING PLANETARY ORBITS FASTER  
THAN ANY OTHER SPACECRAFT COULD

276

00:21:05,130 --> 00:21:06,419

REACH THEM.

277

00:21:06,419 --> 00:21:09,929

SPEEDS OF 30,000 MILES AN HOUR.

278

00:21:09,929 --> 00:21:10,929

HARD TO THINK OF.

279

00:21:10,929 --> 00:21:11,929

HARD TO IMAGINE.

280

00:21:11,929 --> 00:21:14,350

SO AFTER 9.5 YEARS NOW MADE IT.

281

00:21:14,350 --> 00:21:17,059

FIRST ON PLUTO'S DOORSTEP AND  
NOW PAST PLUTO.

282

00:21:17,059 --> 00:21:19,830

GATHERING AMAZING AMOUNTS OF  
INFORMATION.

283

00:21:19,830 --> 00:21:22,529

OPENING THE DOOR TO AN ENTIRELY  
NEW REGION OF THE SOLAR SYSTEM

284

00:21:22,529 --> 00:21:25,419

THAT UNTIL RECENTLY WE KNEW  
NOTHING ABOUT.

285

00:21:25,419 --> 00:21:27,200

THIS IS EXPLORATION AT ITS  
FINEST.

286

00:21:27,200 --> 00:21:28,520

CHECK IT OUT.

287

00:21:28,520 --> 00:21:30,750

NEW HORIZONS STILL SCANNING  
AWAY.

288

00:21:30,750 --> 00:21:32,790

DOESN'T REALIZE IT JUST MADE  
HISTORY.

289

00:21:32,790 --> 00:21:34,200

DOING IT RIGHT NOW.

290

00:21:34,200 --> 00:21:36,399

BACK TO THE ROOM AND SEE THE  
FOLKS ON STAGE.

291

00:21:36,399 --> 00:21:39,860

THAT'S THE DIRECTOR OF THE  
APPLIED PHYSICS LABORATORY.

292

00:21:39,860 --> 00:21:43,679

MISSION OFFICIALS ALLEN STERN.

293

00:21:43,679 --> 00:21:46,640

PRINCIPLE INVESTIGATOR.

294

00:21:46,640 --> 00:21:48,120

OKAY.

295

00:21:48,120 --> 00:21:51,509

LET'S GO BACK OUT TO DEWAYNE  
BROWN.

296

00:21:51,509 --> 00:21:55,870

>> MIKE, AMERICA'S SPACE PROGRAM  
HAS WRITTEN A NEW CHAPTER IN

297

00:21:55,870 --> 00:21:58,620

SCIENCE AND EXPLORATION.

298

00:21:58,620 --> 00:22:02,080

HISTORY HAS BEEN MADE AND  
STANDING NEXT TO ME IS ONE OF

299

00:22:02,080 --> 00:22:05,210

THOSE KEY INDIVIDUALS THAT HAS  
MADE THAT HISTORY HAPPEN.

300

00:22:05,210 --> 00:22:06,210

THIS IS DR.

301

00:22:06,210 --> 00:22:10,690

JOHN AND IF YOU  
DON'T KNOW HIM I'M SHOCKED.

302

00:22:10,690 --> 00:22:20,090

FIVE TIMES ASTRONAUT AND HUBBLE  
REPAIRMAN.

303

00:22:20,090 --> 00:22:26,380

NEW HORIZONS IS ONE OF ALMOST  
100 MISSIONS.

304

00:22:26,380 --> 00:22:27,510

HOW DOES IT FEEL?

305

00:22:27,510 --> 00:22:30,280

HISTORY IN SCIENCE?

306

00:22:30,280 --> 00:22:31,690

>> IT'S JUST AMAZING.

307

00:22:31,690 --> 00:22:35,130

TRULY A HALLMARK IN HUMAN  
HISTORY.

308

00:22:35,130 --> 00:22:40,779

>> WHAT DOES IT TAKE TO HAVE A  
MISSION GO AND TAKE NINE YEARS.

309

00:22:40,779 --> 00:22:43,039

LOTS OF MOVING PIECES.

310

00:22:43,039 --> 00:22:45,570

WHAT'S THE SECRET TO SUCCESS  
LIKE THIS?

311

00:22:45,570 --> 00:22:48,230

>> PEOPLE OFTEN THINK THAT THE  
SUCCESS TO MISSIONS LIKE THIS

312

00:22:48,230 --> 00:22:52,240

IS, YOU KNOW, THE ENGINEERS, THE  
HARDWARE, THE MISSION ITSELF BUT

313

00:22:52,240 --> 00:22:54,760

THE REAL KEY IS THE TEAM WORK.

314

00:22:54,760 --> 00:22:58,769

THAT'S WHAT NASA EXCELS AT.

315

00:22:58,769 --> 00:23:06,929

BRINGING ENGINEERS TOGETHER TO  
DO THESE INCREDIBLE FEETS LIKE

316

00:23:06,929 --> 00:23:10,159

WE HAVE JUST DONE WITH NEW  
HORIZON.

317

00:23:10,159 --> 00:23:13,740

>> WE MADE HISTORY TODAY BUT  
THERE'S SOMETHING THAT-- THE

318

00:23:13,740 --> 00:23:14,740

STORY IS NOT OVER.

319

00:23:14,740 --> 00:23:17,120

THERE'S SOMETHING THAT HAS TO  
HAPPEN THIS EVENING.

320

00:23:17,120 --> 00:23:19,640

DESCRIBE THAT MOMENT THAT'S  
COMING UP THIS EVENING.

321

00:23:19,640 --> 00:23:22,200

>> WELL, OF COURSE WE ARE  
CELEBRATING THE MOMENT BY WHICH

322

00:23:22,200 --> 00:23:26,241

THE NEW HORIZONS SPACECRAFT HAD  
IT'S CLOSEST APPROACH TO PLUTO

323

00:23:26,241 --> 00:23:29,740

AS IT'S TAKING ALL THE  
INCREDIBLE DATA BUT WE'RE NOT

324

00:23:29,740 --> 00:23:30,799  
TALKING TO THE SPACECRAFT.

325  
00:23:30,799 --> 00:23:32,640  
IT'S DOING IT'S JOB.

326  
00:23:32,640 --> 00:23:36,769  
TONIGHT WE'RE GOING TO GET THE  
SIGNAL, THE PING THAT IT MADE IT

327  
00:23:36,769 --> 00:23:39,919  
THROUGH THE SYSTEM AND IT'S  
READY TO START SENDING US THE

328  
00:23:39,919 --> 00:23:43,660  
TREASURE TROVE OF DATA.

329  
00:23:43,660 --> 00:23:44,960  
>> CONGRATULATIONS.

330  
00:23:44,960 --> 00:23:47,940  
>> I'M JUST HAVING ALL THE  
SPECIAL GUESTS HERE.

331  
00:23:47,940 --> 00:23:48,940  
THIS IS DR.

332  
00:23:48,940 --> 00:23:49,940  
ALLEN STERN.

333  
00:23:49,940 --> 00:23:50,940  
THE PRINCIPLE INVESTIGATOR.

334  
00:23:50,940 --> 00:23:54,710  
THE SCIENTIST, THE MAIN  
SCIENTIST ON THIS MISSION.

335  
00:23:54,710 --> 00:23:55,710  
HISTORY HAS BEEN MADE.

336

00:23:55,710 --> 00:23:56,710

DR.

337

00:23:56,710 --> 00:23:58,159

STERN, IT HAS TO FEEL GOOD.

338

00:23:58,159 --> 00:23:59,159

>> IT FEELS GOOD.

339

00:23:59,159 --> 00:24:02,179

SO MANY PEOPLE PUT SO MUCH WORK  
INTO THIS AROUND THE COUNTRY.

340

00:24:02,179 --> 00:24:07,019

ENGINEERS AND SCIENTISTS,  
TECHNICIANS, BUSINESS PEOPLE,

341

00:24:07,019 --> 00:24:08,309

PEOPLE LIKE YOURSELF IN  
COMMUNICATIONS.

342

00:24:08,309 --> 00:24:12,399

IT IS A MOMENT OF CELEBRATION  
BECAUSE WE HAVE JUST DONE THE

343

00:24:12,399 --> 00:24:13,399

ANCHOR LEG.

344

00:24:13,399 --> 00:24:18,000

WE HAVE COMPLETED THE INITIAL  
PART OF THE SOLAR SYSTEM.

345

00:24:18,000 --> 00:24:22,290

STARTED UNDER PRESIDENT KENNEDY  
AND CONTINUING TODAY UNDER

346

00:24:22,290 --> 00:24:23,700

PRESIDENT OBAMA.

347

00:24:23,700 --> 00:24:26,899

IT'S HISTORIC WHAT THE UNITED STATES HAS DONE AND THE NEW

348

00:24:26,899 --> 00:24:30,899

HORIZONS TEAM IS REALLY PROUD TO HAVE BEEN ABLE TO RUN THAT

349

00:24:30,899 --> 00:24:33,799

ANCHOR LEG AND MAKE THIS ACCOMPLISHMENT.

350

00:24:33,799 --> 00:24:39,300

>> BEFORE YOU GO AND WE HAVE TO TRANSITION WE HAVE ANOTHER ONE.

351

00:24:39,300 --> 00:24:43,170

THE STORY ISN'T OVER WE HAVE SOMETHING SPECIAL THIS EVENING.

352

00:24:43,170 --> 00:24:54,130

GIVE ME YOUR THOUGHTS ON WHAT WILL TRANSPIRE.

353

00:24:54,130 --> 00:24:56,889

>> WE ARE GOING TO HAVE IT CHECK BACK IN WITH US ABOUT 9:00†P.M.

354

00:24:56,889 --> 00:24:58,559

EASTERN TIME TONIGHT.

355

00:24:58,559 --> 00:25:03,170

THAT'S WHEN WE'LL FIND OUT IF IT COMPLETES IT'S JOB SUCCESSFULLY.

356

00:25:03,170 --> 00:25:05,330

>> DR.

357

00:25:05,330 --> 00:25:11,809  
STERN, THANK YOU.

358  
00:25:11,809 --> 00:25:15,720  
COUNTDOWN, AMERICA'S SPACE  
PROGRAM HAS WRITTEN A NEW

359  
00:25:15,720 --> 00:25:19,120  
CHAPTER IN SPACE AND  
EXPLORATION.

360  
00:25:19,120 --> 00:25:20,330  
BACK TO YOU.

361  
00:25:20,330 --> 00:25:21,330  
>> THANKS DEWAYNE.

362  
00:25:21,330 --> 00:25:22,330  
THE ATMOSPHERE.

363  
00:25:22,330 --> 00:25:24,890  
PLUTO IS NO LONGER THE  
UNEXPLORED WORLD AND AS ONE

364  
00:25:24,890 --> 00:25:27,610  
COUNTDOWN ENDS ANOTHER BEGINS.

365  
00:25:27,610 --> 00:25:30,309  
WE WAIT FOR NEW HORIZONS TO  
PHONE HOME TONIGHT AND LET US

366  
00:25:30,309 --> 00:25:31,680  
KNOW THAT ALL WENT WELL.

367  
00:25:31,680 --> 00:25:35,200  
SO STAY TUNED TO NASA TV FOR OUR  
NEXT MEDIA BRIEFING AND WE'LL

368  
00:25:35,200 --> 00:25:39,000

GET AN UPDATE AND OUR LOOK AT  
SOME OF THE LAST IMAGES THAT NEW