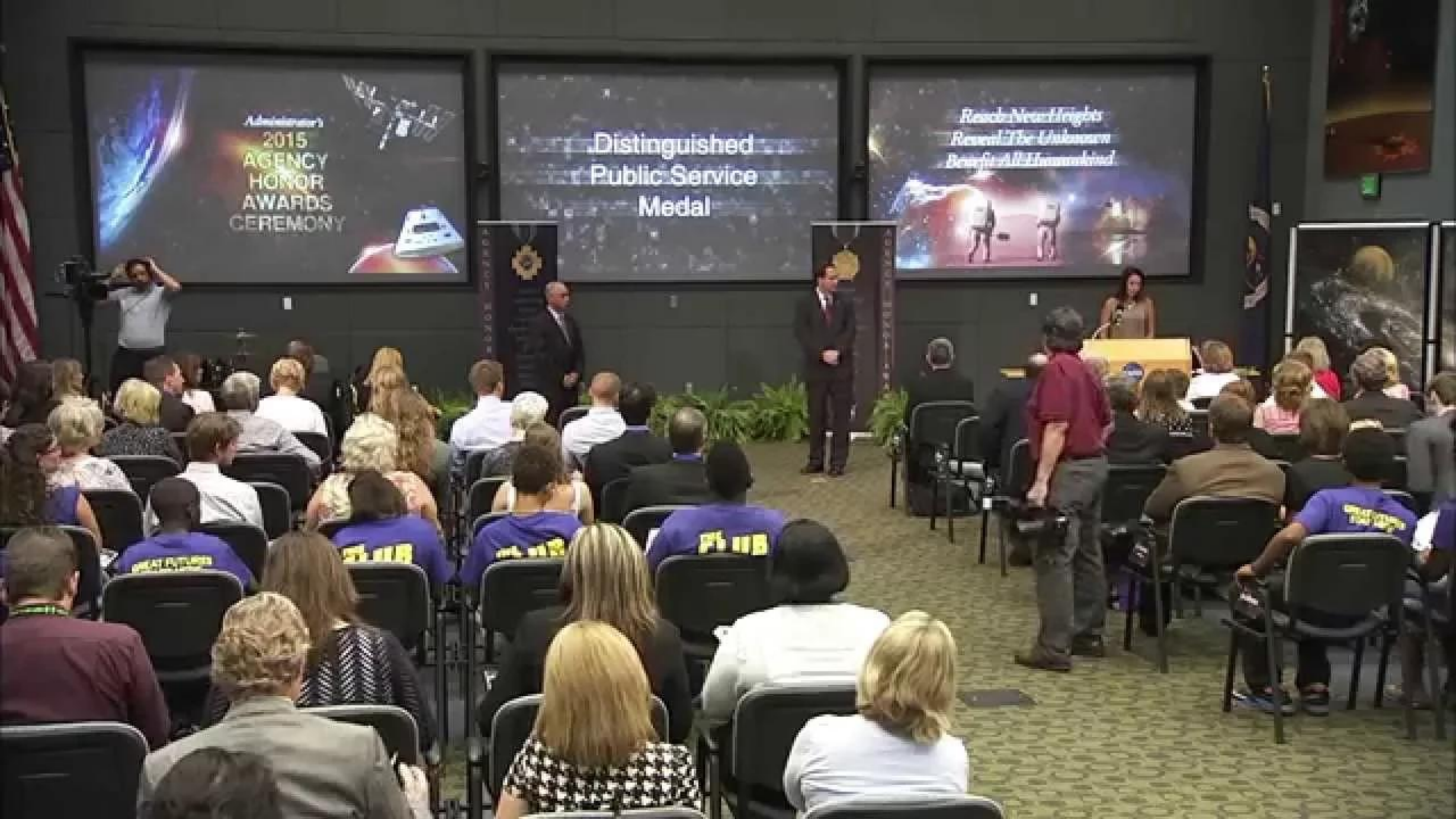


Administration's  
2015  
AGENCY  
HONOR  
AWARDS  
CEREMONY

Distinguished  
Public Service  
Medal

Reach New Heights  
Reveal The Unknown  
Benefit All Humankind



1  
00:00:07,790 --> 00:00:15,109  
>>> AT NASA, INNOVATION REVEALS  
OUR JOURNEY.

2  
00:00:15,109 --> 00:00:18,020  
>> THAT WORK IS PART OF A VITAL  
STRATEGY TO EQUIP OUR NATION

3  
00:00:18,020 --> 00:00:19,020  
WITH THE PROPER TECHNOLOGY.

4  
00:00:19,020 --> 00:00:22,010  
>> TO INSPIRE THE NEW GENERATION  
OF EXPLORERS.

5  
00:00:22,010 --> 00:00:24,840  
>> TO MAKE THE NEXT LEAP FOR  
HUMANITY.

6  
00:00:24,840 --> 00:00:29,860  
>> NASA'S FIRST ECONOMIC GROWTH  
WHILE CONTINUING LEADERSHIP IN

7  
00:00:29,860 --> 00:00:33,360  
SPACE AND BREAKTHROUGHS IN  
SCIENCE AND TECHNOLOGY.

8  
00:00:33,360 --> 00:00:36,360  
>> IT'S SUCH A THRILL WORKING  
FOR NASA, AND EXPLORING THE

9  
00:00:36,360 --> 00:00:37,480  
UNIVERSE.

10  
00:00:37,480 --> 00:00:39,950  
>> NASA IS ON A JOURNEY TO MARS.

11  
00:00:39,950 --> 00:00:46,750  
>> THIS AMBITIOUS GOAL INVOLVES

EVERYTHING WE DO.

12

00:00:46,750 --> 00:00:49,160

>> ROBOTIC EXPLORERS ARE PAVING  
THE WAY TO MARS.

13

00:00:49,160 --> 00:00:51,760

>> WE ARE LEARNING ENORMOUS  
AMOUNTS ABOUT THE SURFACE OF

14

00:00:51,760 --> 00:00:53,160

MARS DAILY.

15

00:00:53,160 --> 00:00:58,109

>> IN COMING YEARS, ANOTHER NEW  
LANDER WILL LEARN MORE.

16

00:00:58,109 --> 00:01:03,450

>> WE ARE WORKING ON THE  
CHALLENGES OF THE RED PLANET.

17

00:01:03,450 --> 00:01:11,970

>> THE  
ORION SPACECRAFT, WHICH

18

00:01:11,970 --> 00:01:15,250

WILL CARRY ASTRONAUTS DEEPER  
INTO THE SOLAR SYSTEM THAN EVER

19

00:01:15,250 --> 00:01:18,250

BEFORE HAS ACHIEVED A MAJOR  
MILESTONE WITH THE FIRST SPACE

20

00:01:18,250 --> 00:01:20,110

FLIGHT.

21

00:01:20,110 --> 00:01:23,220

>> SOON IT WILL FLY ON THE MOST  
POWERFUL ROCKET EVER BUILT.

22  
00:01:23,220 --> 00:01:26,360  
>> THE SPACE LAUNCH SYSTEM WHICH  
MOVED FROM CONCEPT TO

23  
00:01:26,360 --> 00:01:27,360  
DEVELOPMENT.

24  
00:01:27,360 --> 00:01:29,570  
>> WE ARE ADVANCING THE JOURNEY  
TO MARS THROUGH PROGRESS ON THE

25  
00:01:29,570 --> 00:01:32,159  
ASTEROID REDIRECT MISSION.

26  
00:01:32,159 --> 00:01:35,610  
>> SEND PEOPLE ON AN ASTEROID,  
USE WHAT WE LEARN FROM THAT

27  
00:01:35,610 --> 00:01:39,610  
MISSION AND SOME DAY SEND PEOPLE  
TO MARS.

28  
00:01:39,610 --> 00:01:43,250  
>> NASA'S MISSION TO AN ASTEROID  
WILL TEST NEW CAPABILITIES AND

29  
00:01:43,250 --> 00:01:45,299  
THE PROVING GROUND OF DEEP  
SPACE.

30  
00:01:45,299 --> 00:01:47,890  
>> OUR JOURNEY TO MARS IS ALSO  
UNFOLDING RIGHT NOW.

31  
00:01:47,890 --> 00:01:50,060  
>> ON BOARD THE INTERNATIONAL  
SPACE STATION.

32  
00:01:50,060 --> 00:01:53,689

>> THE STATION FACILITATES  
GROWTH IN A ROBUST, COMMERCIAL

33

00:01:53,689 --> 00:01:58,350  
MARKET AND LOW EARTH ORBIT FOR  
SCIENTIFIC RESEARCH.

34

00:01:58,350 --> 00:01:59,530  
>> TECHNOLOGY DEVELOPMENT.

35

00:01:59,530 --> 00:02:02,360  
>> AND FOR TRANSPORTING BOTH  
PEOPLE AND CARGO.

36

00:02:02,360 --> 00:02:06,689  
>> TOGETHER WE'RE OPERATING  
EXPERIMENTS OFF EARTH FOR EARTH

37

00:02:06,689 --> 00:02:10,030  
THAT ARE HELPING US LEARN HOW TO  
IMPROVE LIFE FOR HUMANS LIVING

38

00:02:10,030 --> 00:02:12,230  
BOTH OFF AND ON OUR PLANET.

39

00:02:12,230 --> 00:02:15,460  
>> THE STATION IS OUR OUTPOST ON  
THE EDGE OF DEEP SPACE.

40

00:02:15,460 --> 00:02:19,619  
>> WHERE WE ARE ADVANCING HUMAN  
AND ROBOTIC EXPLORATION.

41

00:02:19,619 --> 00:02:22,319  
>> AMERICAN COMPANIES ARE  
DEVELOPING SYSTEMS IN WHICH

42

00:02:22,319 --> 00:02:26,499  
ASTRONAUTS SOON WILL TRAVEL FROM  
THE UNITED STATES TO LOW-EARTH

43

00:02:26,499 --> 00:02:27,499

ORBIT.

44

00:02:27,499 --> 00:02:29,989

>> COMMERCIAL PARTNERSHIPS ARE  
HELPING US TAKE THE NEXT GIANT

45

00:02:29,989 --> 00:02:30,989

LEAP.

46

00:02:30,989 --> 00:02:33,609

>> BY DEVELOPING NEW WAYS OF  
REACHING SPACE.

47

00:02:33,609 --> 00:02:34,919

>> CREATING JOBS.

48

00:02:34,919 --> 00:02:39,629

>> AND ENABLING NASA TO FOCUS ON  
THE CUTTING EDGE TECHNOLOGIES.

49

00:02:39,629 --> 00:02:41,290

>> TECHNOLOGY DRIVES  
EXPLORATION.

50

00:02:41,290 --> 00:02:44,790

>> AT NASA, TRANSFORMATIVE  
CAPABILITIES AND CUTTING EDGE

51

00:02:44,790 --> 00:02:48,559

TECHNOLOGIES ARE BEING  
DEVELOPED, TESTED, AND FLOWN

52

00:02:48,559 --> 00:02:49,559

TODAY.

53

00:02:49,559 --> 00:02:51,419

>> AN IMPRESSIVE SET OF SCIENCE

## MISSIONS TAKES US ON A JOURNEY

- 54  
00:02:51,419 --> 00:02:52,430  
OF DISCOVERY.
- 55  
00:02:52,430 --> 00:02:55,969  
>> TO UNDERSTAND THE HOME PLANET  
AND SUN.
- 56  
00:02:55,969 --> 00:02:59,989  
>> SEARCH FOR LIFE BEYOND AND  
EXPLORE THE ORIGINS AND FUTURE
- 57  
00:02:59,989 --> 00:03:00,989  
OF THE UNIVERSE.
- 58  
00:03:00,989 --> 00:03:05,159  
>> THE MOST IMPORTANT PLANET WE  
STUDY IS THE ONE ON WHICH WE
- 59  
00:03:05,159 --> 00:03:06,159  
LIVE.
- 60  
00:03:06,159 --> 00:03:10,780  
>> NASA IS CONSTANTLY EXPANDING  
OUR VIEW OF SPACE AS WELL AS
- 61  
00:03:10,780 --> 00:03:15,719  
UNDERSTANDING OUR HOME PLANET  
AND ITS CHANGES.
- 62  
00:03:15,719 --> 00:03:18,370  
>> NASA IS COMMITTED TO  
TRANSFORMING AVIATION.
- 63  
00:03:18,370 --> 00:03:19,650  
>> WE'RE DRAMATICALLY REDUCING  
AIR TRAFFIC'S ENVIRONMENTAL
- 64

00:03:19,650 --> 00:03:22,889  
IMPACT, MAINTAINING SAFETY IN  
MORE CROWDED SKIES.

65  
00:03:22,889 --> 00:03:26,200  
>> AND PAVING THE WAY TOWARDS  
REVOLUTIONARY AIRCRAFT

66  
00:03:26,200 --> 00:03:27,200  
TECHNOLOGY.

67  
00:03:27,200 --> 00:03:28,500  
>> NASA IS WITH YOU WHEN YOU  
FLY.

68  
00:03:28,500 --> 00:03:31,149  
>> AND TAKING YOU ON A JOURNEY  
TO MARS.

69  
00:03:31,149 --> 00:03:33,709  
>> EVERYTHING NASA DOES IS  
IMPROVING LIFE ON EARTH.

70  
00:03:33,709 --> 00:03:39,019  
>> RAISES THE BAR OF HUMAN  
ACHIEVEMENT.

71  
00:03:39,019 --> 00:03:43,109  
>> WE ARE AMERICA'S NATIONAL  
AERONAUTICS AND SPACE

72  
00:03:43,109 --> 00:03:44,249  
ADMINISTRATION.

73  
00:03:44,249 --> 00:03:45,580  
>> REVEALING THE UNKNOWN.

74  
00:03:45,580 --> 00:03:53,849  
>> AND BENEFITING ALL OF  
HUMANITY.



75

00:03:53,849 --> 00:04:02,040

[†APPLAUSE†]

>> HELLO, GOOD AFTERNOON.

76

00:04:02,040 --> 00:04:05,349

MY NAME IS MARIA COLLURA, I WILL  
BE YOUR EMCEE TODAY.

77

00:04:05,349 --> 00:04:09,400

I WOULD LIKE TO WELCOME YOU TO  
THE 2015 ADMINISTRATOR'S AGENCY

78

00:04:09,400 --> 00:04:11,890

HONOR AWARDS PROGRAM.

79

00:04:11,890 --> 00:04:15,560

THIS ANNUAL AWARDS CEREMONY IS  
AN OPPORTUNITY FOR US TO COME

80

00:04:15,560 --> 00:04:19,739

TOGETHER TO HONOR NASA'S BEST OF  
THE BEST.

81

00:04:19,739 --> 00:04:23,490

BEFORE WE BEGIN, PLEASE RISE FOR  
THE PRESENTATION OF COLORS BY

82

00:04:23,490 --> 00:04:27,120

THE PATRICK AIR FORCE BASE HONOR  
GUARD AND REMAIN STANDING DURING

83

00:04:27,120 --> 00:04:31,400

THE PERFORMANCE OF THE NATIONAL  
ANTHEM BY AMBER ALLEN AND

84

00:04:31,400 --> 00:04:49,500

DEANTAE COOPER AND SPECIAL  
GUEST, CHRISTOPHER JACKSON.

85

00:04:49,500 --> 00:05:03,750

>> FORWARD.

86

00:05:03,750 --> 00:05:18,000

HALT.

87

00:05:18,000 --> 00:05:46,490

PRESENT ARMS.

88

00:07:40,480 --> 00:06:14,990

\MM

\MM

89

00:07:40,480 --> 00:08:08,970

>> FORWARD.

90

00:08:08,970 --> 00:08:13,230

>> PLEASE BE SEATED.

91

00:08:13,230 --> 00:08:15,640

I WOULD LIKE TO EXTEND OUR  
APPRECIATION TO THE PATRICK AIR

92

00:08:15,640 --> 00:08:19,370

FORCE BASE AMBER GUARD, AMBER,  
DEANTAE AND CHRISTOPHER FOR

93

00:08:19,370 --> 00:08:20,710

THEIR OUTSTANDING PERFORMANCE.

94

00:08:20,710 --> 00:08:25,530

LET'S PLEASE GIVE THEM A BIG  
ROUND OF APPLAUSE.

95

00:08:25,530 --> 00:08:30,340

[†APPLAUSE†]

AT THIS TIME, I'D LIKE TO

96

00:08:30,340 --> 00:08:33,269  
INTRODUCE OUR HOST AND DIRECTOR  
OF KENNEDY SPACE CENTER, MR.

97  
00:08:33,269 --> 00:08:35,060  
BOB  
CABANA.

98  
00:08:35,060 --> 00:08:36,710  
>> THANKS.

99  
00:08:36,710 --> 00:08:41,539  
WASN'T THAT A GREAT OPENING  
VIDEO?

100  
00:08:41,539 --> 00:08:45,439  
I HOPE YOU ALL ARE EXCITED ABOUT  
OUR PATH FORWARD FOR NASA AND

101  
00:08:45,439 --> 00:08:48,870  
THE JOURNEY TO MARS AS I AM.

102  
00:08:48,870 --> 00:08:52,020  
WE'RE KIND OF BLESSED AT THE  
KENNEDY SPACE CENTER, ON A

103  
00:08:52,020 --> 00:08:55,959  
DAY-TO-DAY BASIS, YOU KNOW, WE  
CAN SEE ACTUAL CHANGES GOING ON.

104  
00:08:55,959 --> 00:09:00,879  
SO MANY FOLKS, YOU KNOW, IT'S  
OFF SOMEWHERE, IN DESIGN, NOT

105  
00:09:00,879 --> 00:09:03,830  
EVERYBODY GETS DOWN TO THE CLEAN  
ROOMS TO SEE WHAT'S HAPPENING.

106  
00:09:03,830 --> 00:09:08,829  
AND WE ON A DAILY BASIS CAN LOOK

OUT AND SEE THE TRANSFORMATION

107

00:09:08,829 --> 00:09:12,300

OF LAUNCH COMPLEX 39 SUPPORTING  
COMMERCIAL OPERATIONS TO

108

00:09:12,300 --> 00:09:15,480

LOW-EARTH ORBIT AND PREPARING  
THAT LAUNCH SITE FOR A JOURNEY

109

00:09:15,480 --> 00:09:16,480

TO MARS.

110

00:09:16,480 --> 00:09:20,029

JUST BACK IN THE '60s, THIS  
BECAME A MOON PORT.

111

00:09:20,029 --> 00:09:22,230

RIGHT NOW WE ARE PUTTING IN  
PLACE THE ARCHITECTURE.

112

00:09:22,230 --> 00:09:23,480

THIS IS A MARS PORT.

113

00:09:23,480 --> 00:09:26,220

WE'RE GOING TO MARS FROM THAT  
LAUNCHPAD OUT THE WINDOW.

114

00:09:26,220 --> 00:09:32,240

SO, I HOPE ALL OF YOU GET A  
CHANCE TO ENJOY YOUR TOUR TODAY,

115

00:09:32,240 --> 00:09:36,720

AND I LOOK FORWARD TO TALKING TO  
YOU A BIT MORE AT THE "ATLANTIS"

116

00:09:36,720 --> 00:09:40,101

EXHIBIT ABOUT THE CHANGES GOING  
ON HERE AT KSC AND OUR BRIGHT

117

00:09:40,101 --> 00:09:42,170

PATH FORWARD.

118

00:09:42,170 --> 00:09:45,709

MY SINCERE CONGRATULATIONS TO  
THE HONOREES TODAY.

119

00:09:45,709 --> 00:09:47,519

THIS IS OUTSTANDING.

120

00:09:47,519 --> 00:09:51,730

I WANT YOU TO KNOW HOW MUCH OF A  
PLEASURE IT IS FOR ME AT KSC TO

121

00:09:51,730 --> 00:09:54,139

HOST THIS EVENT.

122

00:09:54,139 --> 00:09:58,320

IT'S MY PLEASURE NOW TO  
INTRODUCE NASA'S SENIOR CAREER

123

00:09:58,320 --> 00:10:01,861

CIVIL SERVANT, OUR CHIEF  
OPERATING OFFICER, THE MAN

124

00:10:01,861 --> 00:10:06,040

RESPONSIBLE FOR THE DAY-TO-DAY  
OPERATIONS OF NASA AND ALL THAT

125

00:10:06,040 --> 00:10:09,059

WE DO, IN ALL AREAS, ROBERT  
LIGHTFOOT.

126

00:10:09,059 --> 00:10:13,529

[†APPLAUSE†]

>> THANK YOU, BOB.

127

00:10:13,529 --> 00:10:15,769

HELLO, EVERYBODY.

128

00:10:15,769 --> 00:10:19,119

HOW Y'ALL DOING?

129

00:10:19,119 --> 00:10:20,959

WHEN I WALKED IN HERE, IT WAS  
AWFULLY QUIET.

130

00:10:20,959 --> 00:10:23,029

YOU GUYS THIS IS AN AWARDS  
CEREMONY.

131

00:10:23,029 --> 00:10:24,959

WE'RE HONORING SOME GREAT FOLKS  
HERE TODAY.

132

00:10:24,959 --> 00:10:26,149

LET'S GET EXCITED.

133

00:10:26,149 --> 00:10:29,309

IT'S A GREAT OPPORTUNITY FOR US  
TO DO SOMETHING DIFFERENT AS AN

134

00:10:29,309 --> 00:10:30,309

AGENCY.

135

00:10:30,309 --> 00:10:31,709

KUDOS TO OUR HUMAN CAPITAL  
MANAGEMENT FOLKS.

136

00:10:31,709 --> 00:10:33,240

WE NORMALLY BRING EVERYBODY TO  
D.C.

137

00:10:33,240 --> 00:10:36,220

WHEN YOU WORK FOR NASA, WHAT A  
BETTER PLACE TO COME THAN

138

00:10:36,220 --> 00:10:38,290

KENNEDY SPACE CENTER.

139

00:10:38,290 --> 00:10:41,779

THANKS, BOB, FOR HOSTING US.

140

00:10:41,779 --> 00:10:45,329

WE APPRECIATE EVERYBODY BEING  
DOWN HERE AND SEEING THIS.

141

00:10:45,329 --> 00:10:47,290

AS BOB SAID, SOME OF THE  
GREATEST MISSIONS THIS AGENCY

142

00:10:47,290 --> 00:10:49,949

HAVE DONE HAVE BLASTED OFF HERE  
AT KENNEDY SPACE CENTER.

143

00:10:49,949 --> 00:10:51,959

YOU GUYS WILL GET TO SEE THAT  
TODAY.

144

00:10:51,959 --> 00:10:56,589

IT'S JUST†-- THANKS TO BOB AND  
HIS TEAM, THEY TRANSFORMED THIS

145

00:10:56,589 --> 00:10:59,060

INTO A MULTI USER SPACE PORT.

146

00:10:59,060 --> 00:11:03,050

TWO YEARS AGO NOTES WOULD SAY  
THEY'RE TRANSFORMING IT INTO A

147

00:11:03,050 --> 00:11:05,949

MULTI USER SPACE PORT.

148

00:11:05,949 --> 00:11:12,529

THAT'S TRANSFORMED IT, GETTING  
US READY TO TAKE ON THE NEXT

149

00:11:12,529 --> 00:11:13,600  
CHALLENGE TO MARS.

150  
00:11:13,600 --> 00:11:16,610  
IT'S PRETTY IMPRESSIVE.

151  
00:11:16,610 --> 00:11:18,480  
EVERY YEAR IT'S DYNAMIC IN THIS  
AGENCY.

152  
00:11:18,480 --> 00:11:22,080  
IT'S A DYNAMIC TIME.

153  
00:11:22,080 --> 00:11:23,080  
RIGHT NOW WE ARE THRIVING.

154  
00:11:23,080 --> 00:11:24,080  
WE ARE BUSY.

155  
00:11:24,080 --> 00:11:27,459  
ALL YOU HAVE TO DO, YOU GUYS  
DRIVE AROUND TODAY, LOOK AT THE

156  
00:11:27,459 --> 00:11:28,459  
CONSTRUCTION.

157  
00:11:28,459 --> 00:11:30,470  
REMINDS ME OF THE PICTURES I SAW  
BACK BEFORE APOLLO.

158  
00:11:30,470 --> 00:11:33,740  
YOU WILL SEE THINGS UNDER  
CONSTRUCTION ALL OVER THE PLACE,

159  
00:11:33,740 --> 00:11:36,100  
IN THE MIDDLE OF ACTIVE SYSTEMS,  
ACTIVE LAUNCHPADS.

160  
00:11:36,100 --> 00:11:39,769



THAT'S WHAT THE TEAM IS DOING.

161

00:11:39,769 --> 00:11:42,430

YOU THINK THIS PAST YEAR WHAT  
WE'VE DONE, WE FLEW ORION.

162

00:11:42,430 --> 00:11:45,160

YOU SAW THE VIDEO HERE, EFT-1.

163

00:11:45,160 --> 00:11:48,730

WHAT A BIG STEP FOR US TO GET  
THAT CAPSULE UP AND GET IT

164

00:11:48,730 --> 00:11:49,730

MOVING.

165

00:11:49,730 --> 00:11:53,279

THEN TO GET IT HOME, MY FAVORITE  
QUOTE WAS ON NASA WATCH, WHERE

166

00:11:53,279 --> 00:11:55,630

IT SAYS SOMEBODY NEEDS TO SPILL  
SOME COFFEE ON THE KEYBOARD OVER

167

00:11:55,630 --> 00:11:56,630

THERE.

168

00:11:56,630 --> 00:11:58,379

EVERYTHING IS GOING GOOD FOR  
NASA ON THIS MISSION.

169

00:11:58,379 --> 00:12:00,199

IT DID.

170

00:12:00,199 --> 00:12:05,690

NOW WE'RE TAKING THING APART IN  
EXCRUCIATING DETAIL TO TEACH US.

171

00:12:05,690 --> 00:12:10,790

I REMEMBER GOING INTO THAT  
REVIEW BEFORE WE WERE READY TO

172

00:12:10,790 --> 00:12:13,839

GO FLY, ONE OF THE ENGINEERS  
SAID, YOU KNOW, WE CAN WORK ON

173

00:12:13,839 --> 00:12:14,940

IT A LITTLE MORE.

174

00:12:14,940 --> 00:12:17,310

WE CAN DO A LITTLE MORE WORK,  
BUT THE HARDWARE WANTS TO TALK

175

00:12:19,310 --> 00:12:18,310

TO US.

176

00:12:19,310 --> 00:12:22,060

THAT'S WHAT WE NEED TO DO, GET  
OUR HARDWARE OUT THERE.

177

00:12:22,060 --> 00:12:31,749

A LITTLE LATER THIS YEAR, WE  
WILL SPACEX LAUNCH AGAIN, THAT

178

00:12:31,749 --> 00:12:33,700

PROVIDES THE CARGO TO THE  
INTERNATIONAL SPACE STATION.

179

00:12:33,700 --> 00:12:36,779

THEY ARE TAKING UP THE DOCKING  
ADAPTERS THAT WILL ALLOW US TO

180

00:12:36,779 --> 00:12:42,559

BRING THE COMMERCIAL CREW  
CAPSULE UP AROUND THE 2017 TIME

181

00:12:42,559 --> 00:12:43,990

FRAME.

182

00:12:43,990 --> 00:12:48,040

WE'LL HAVE ASTRONAUTS FLYING OUT  
OF FLORIDA OFF OF U.S. SOIL IN

183

00:12:48,040 --> 00:12:49,040

2017.

184

00:12:49,040 --> 00:12:51,619

SO, THAT'S PRETTY EXCITING FOR  
US TO SEE WHAT WE'RE DOING.

185

00:12:51,619 --> 00:12:54,029

YOU LOOK AT THE INTERNATIONAL  
SPACE STATION, YOU SAW SCOTT

186

00:12:54,029 --> 00:12:55,029

KELLY THERE.

187

00:12:55,029 --> 00:12:57,759

THAT'S WHEN HE WAS AT HOME ON  
THE GROUND.

188

00:12:57,759 --> 00:13:01,260

HIS NEW HOME, HE'S BEEN UP THERE  
ABOUT A MONTH NOW.

189

00:13:01,260 --> 00:13:02,999

SCOTT'S IN THE MIDDLE OF A  
ONE-YEAR MISSION ON THE

190

00:13:02,999 --> 00:13:03,999

INTERNATIONAL SPACE STATION.

191

00:13:03,999 --> 00:13:08,720

WE NORMALLY HAVE SIX-MONTH  
INCREMENTS, BUT WE'RE STUDYING

192

00:13:08,720 --> 00:13:11,660

WHAT THE EFFECTS OF A YEAR†--

WHAT IS THE TIPPING POINT?

193

00:13:11,660 --> 00:13:12,910

WE HAD FOLKS UP THERE FOR SIX MONTHS.

194

00:13:12,910 --> 00:13:15,040

DOES SOMETHING HAPPEN AFTER SIX MONTHS?

195

00:13:15,040 --> 00:13:20,619

HIS TWIN BROTHER, MARK, IS A FORMER ASTRONAUT.

196

00:13:20,619 --> 00:13:23,230

HE'S PART OF THE SAME EXPERIMENT WHAT WILL WE LEARN ABOUT PEOPLE

197

00:13:23,230 --> 00:13:24,230

AFTER A YEAR?

198

00:13:24,230 --> 00:13:25,230

DOES SOMETHING CHANGE?

199

00:13:25,230 --> 00:13:26,990

WE NEED TO KNOW THAT AS WE CONTINUE THIS JOURNEY TO

200

00:13:26,990 --> 00:13:27,990

PARTICULARS.

201

00:13:27,990 --> 00:13:28,990

IT'S PRETTY EXCITING.

202

00:13:28,990 --> 00:13:31,920

IN THE MEANTIME, WE HAVE TO DEVELOP A LOT OF TECHNOLOGIES.

203

00:13:31,920 --> 00:13:35,149

THAT'S WHAT WE'RE BEST AT,  
GETTING TECHNOLOGIES READY TO

204

00:13:35,149 --> 00:13:36,209

GO.

205

00:13:36,209 --> 00:13:41,939

WE LANDED CURIOSITY TO MARS, THE  
SIZE OF A MINI COOPER.

206

00:13:41,939 --> 00:13:45,220

NOW WE WANT TO TAKE CREWS, A  
HABITAT AND POTENTIAL LANDER TO

207

00:13:45,220 --> 00:13:46,220

MARS.

208

00:13:46,220 --> 00:13:48,699

IT'S A BIT MORE DIFFICULT TO  
COME THROUGH THEIR ATMOSPHERE

209

00:13:48,699 --> 00:13:51,500

THAN HOURS, THEIRS IS THINNER.

210

00:13:51,500 --> 00:13:55,899

WE'RE JUST A DAY AND ABOUT AN  
HOUR AND 15 MINUTES WE HOPE THE

211

00:13:55,899 --> 00:14:01,619

WINDOW IN HAWAII TO TEST THE  
LOAD DENSITY DECELERATOR A

212

00:14:01,619 --> 00:14:04,300

PROCESS TO SLOW US DOWN WHEN WE  
GET TO MARS.

213

00:14:04,300 --> 00:14:09,319

A HUGE MATERIALS CHALLENGE, A  
HUGE CHALLENGE IN SO MANY AREAS.

214

00:14:09,319 --> 00:14:14,100

WE'LL FLY THAT, WE CALL IT OUR  
BIG FLYING SAUCER.

215

00:14:14,100 --> 00:14:17,249

IT EXPANDS AND IT WILL USE THE  
ATMOSPHERE TO SLOW DOWN.

216

00:14:17,249 --> 00:14:22,100

IT'S A FASCINATING CONCEPT, THAT  
WITH OTHER CONCEPTS WILL BE WHAT

217

00:14:22,100 --> 00:14:24,709

WE USE ULTIMATELY TO TAKE CREWS  
TO MARS.

218

00:14:24,709 --> 00:14:27,519

THAT'S HAPPENING HOPEFULLY  
TODAY.

219

00:14:27,519 --> 00:14:29,569

THE TEAMS ARE READY TO GO.

220

00:14:29,569 --> 00:14:31,999

AS YOU HEARD, YOU KNOW, YOU'VE  
HEARD AND YOU WILL HEAR FROM

221

00:14:31,999 --> 00:14:34,899

CHARLIE WHEN HE GETS UP, WE'RE  
ON A JOURNEY TO MARS.

222

00:14:34,899 --> 00:14:36,829

BUT WE'RE ALREADY THERE.

223

00:14:36,829 --> 00:14:40,249

WE HAVE ROVERS ON MARS AS WE  
SPEAK DOING THE PRECURSOR

224

00:14:40,249 --> 00:14:43,319

MISSIONS WE NEED TO HELP US  
LEARN ABOUT THE RED PLANET

225

00:14:43,319 --> 00:14:45,990  
BEFORE WE TAKE FOLKS THERE.

226

00:14:45,990 --> 00:14:46,990  
IT'S EXCITING.

227

00:14:46,990 --> 00:14:52,589  
WE GOT†-- WE'RE GOING THERE, IN  
A WAY THAT LETS US LEARN ALL THE

228

00:14:52,589 --> 00:14:54,889  
THINGS WE NEED DO BEFORE WE TAKE  
FOLKS.

229

00:14:54,889 --> 00:14:56,089  
BUT WE CAN'T GO TO MARS RIGHT  
NOW.

230

00:14:56,089 --> 00:14:57,089  
WE HAVE THINGS WE HAVE TO DO.

231

00:14:57,089 --> 00:14:59,459  
WE HAVE A STEPPING STONE  
APPROACH WE'RE TAKING AS AN

232

00:14:59,459 --> 00:15:01,100  
AGENCY.

233

00:15:01,100 --> 00:15:05,579  
THE POINT IS WE'LL LEARN ABOUT  
THE WAY WE WILL DO DECELERATE,

234

00:15:05,579 --> 00:15:13,579  
DECELERATORS TO LAND ON MARS,  
AND PROPULSION SYSTEMS IN SPACE.

235

00:15:13,579 --> 00:15:14,999  
ALL THESE THINGS WILL HELP US.

236  
00:15:14,999 --> 00:15:16,559  
WE JUST BUILD OFF THOSE.

237  
00:15:16,559 --> 00:15:19,209  
ULTIMATELY WE WILL GET TO MARS.

238  
00:15:19,209 --> 00:15:21,050  
NOT EVERYTHING WE DO IS RELATED  
TO MARS.

239  
00:15:21,050 --> 00:15:22,579  
IT'S NOT ALL JUST MARS.

240  
00:15:22,579 --> 00:15:24,709  
WE DO A LOT OF THINGS HERE ON  
EARTH.

241  
00:15:24,709 --> 00:15:27,200  
WHETHER IT'S THE AERONAUTICS  
PROGRAM.

242  
00:15:27,200 --> 00:15:32,350  
HOW MANY OF YOU FLEW DOWN HERE  
TO KSC?

243  
00:15:32,350 --> 00:15:33,350  
ALL RIGHT.

244  
00:15:33,350 --> 00:15:34,550  
I DID THIS MORNING.

245  
00:15:34,550 --> 00:15:37,189  
I GET A KICK OUT OF IT NOW AS I  
SIT IN THE AIRPLANES AND I

246  
00:15:37,189 --> 00:15:39,470



NOTICE ALL THE THINGS THAT NASA  
HAD SOMETHING TO DO WITH.

247

00:15:39,470 --> 00:15:42,860  
WHEN I SIT ON THAT TARMAC AND  
WAIT AND WAIT AND WAIT, AND I

248

00:15:42,860 --> 00:15:47,110  
KNOW THE SYSTEMS WE USE TO MAKE  
THAT WAIT LESS TIME.

249

00:15:47,110 --> 00:15:49,300  
THOSE ARE THE KINDS OF THINGS  
WE'RE WORKING ON.

250

00:15:49,300 --> 00:15:52,360  
THE AIR TRAFFIC SAFETY, THE  
SPACING OF THE PLANES, THE

251

00:15:52,360 --> 00:15:56,769  
SYSTEMS WE ROLL OUT AS AN AGENCY  
TO HELP MAKE IT†-- THE AIRCRAFT

252

00:15:56,769 --> 00:16:01,050  
SAFER, MORE FUEL EFFICIENT AND  
MORE EFFICIENT IN GENERAL FOR

253

00:16:01,050 --> 00:16:02,119  
THE PROGRAM.

254

00:16:02,119 --> 00:16:04,749  
THAT'S ALL PART OF THE ENERGY  
AND SPIRIT OF NASA.

255

00:16:04,749 --> 00:16:05,989  
THINK ABOUT IT FROM THE SCIENCE  
SIDE.

256

00:16:05,989 --> 00:16:09,149  
WE TALK ABOUT MARS, THINK ABOUT

WHAT WE'RE DOING.

257

00:16:09,149 --> 00:16:10,869

MARK YOUR CALENDARS FOR JULY  
14th.

258

00:16:10,869 --> 00:16:14,809

JULY 14th IS NEW HORIZON, IT  
LAUNCHED NINE YEARS AGO.

259

00:16:14,809 --> 00:16:18,809

IT WILL PASS PLUTO AND GIVE US  
THE BEST IMAGES WE'VE HAD OF†--

260

00:16:18,809 --> 00:16:21,899

I CALL IT THE PLANET.

261

00:16:21,899 --> 00:16:23,379

WHEN I WAS IN SCHOOL, IT'S A  
PLANET.

262

00:16:23,379 --> 00:16:24,619

WE'LL SEE.

263

00:16:24,619 --> 00:16:26,029

AFTER WE GO THERE.

264

00:16:26,029 --> 00:16:29,440

WHEN WE GO BY PLUTO, WE'LL GET  
AN INCREDIBLE VIEW.

265

00:16:29,440 --> 00:16:32,339

THE SPACECRAFT DAWN, WHICH SEEMS  
TO HAVE BEEN UP THERE FOREVER IS

266

00:16:32,339 --> 00:16:34,389

NOW WITH A DWARF PLANET SIRI.

267

00:16:34,389 --> 00:16:37,040

WE'RE GETTING SOME OF THE BEST  
PHOTOGRAPHS BACK OF THAT DWARF

268

00:16:37,040 --> 00:16:39,649

PLANET.

269

00:16:39,649 --> 00:16:42,569

CONTINUING TO REWRITE TEXTBOOKS,  
CONTINUING TO IMPROVE OUR

270

00:16:42,569 --> 00:16:46,269

UNDERSTANDING OF THE UNIVERSE  
AROUND US, INCLUDING OUR OWN

271

00:16:46,269 --> 00:16:47,589

SOLAR SYSTEM.

272

00:16:47,589 --> 00:16:50,749

WE JUST SELECTED THE INSTRUMENTS  
FOR OUR MISSION TO JUPITER'S

273

00:16:50,749 --> 00:16:52,239

MOON, EUROPA.

274

00:16:52,239 --> 00:16:54,619

A FASCINATING SET OF INSTRUMENTS  
THAT WILL HELP US UNDERSTAND

275

00:16:54,619 --> 00:16:57,920

ABOUT THE ICE SHELF WE KNOW IS  
THERE, WHAT'S HAPPENING AROUND

276

00:16:57,920 --> 00:17:00,660

THAT PLANET COULD IT HAVE LIFE  
THERE?

277

00:17:00,660 --> 00:17:02,220

UNDERNEATH THAT ICE SHELF?

278

00:17:02,220 --> 00:17:04,600  
THAT'S WHERE THE TEAMS WILL GO  
LOOK.

279  
00:17:04,600 --> 00:17:08,480  
SO, WHILE CURIOSITY IS ON THE  
SURFACE OF MARS, WE'RE LOOKING

280  
00:17:08,480 --> 00:17:10,690  
AT THE OTHER PLANETS AS WELL.

281  
00:17:10,690 --> 00:17:13,550  
STEADY PROGRESS CONTINUES ON THE  
JAMES WEBB SPACE TELESCOPE.

282  
00:17:13,550 --> 00:17:16,480  
YOU SAW ONE OF THE MIRRORS IN  
THE VIDEO THERE.

283  
00:17:16,480 --> 00:17:17,480  
WE LAUNCH IN 2018.

284  
00:17:17,480 --> 00:17:20,370  
THE TEAM HAS BEEN ON THE PATH  
FOR THE LAST FOUR YEARS, STILL

285  
00:17:20,370 --> 00:17:23,360  
HAS PLENTY OF MARGIN FOR THAT  
DATE.

286  
00:17:23,360 --> 00:17:28,340  
THIS IS THE NEXT GREAT  
EXPLORATORY THAT NASA HAS

287  
00:17:28,340 --> 00:17:30,040  
DEVELOPED AND WILL PUT IN SPACE.

288  
00:17:30,040 --> 00:17:32,740  
AS WE CELEBRATE HUBBLE'S 25th  
ANNIVERSARY HERE A COUPLE MONTHS

289

00:17:32,740 --> 00:17:35,740

AGO WE ARE ALSO WORKING ON THE  
NEXT GENERATION.

290

00:17:35,740 --> 00:17:39,900

THE JAMES WEBB SPACE TELESCOPE  
IT WILL BRING US BACK TREMENDOUS

291

00:17:39,900 --> 00:17:41,390

IMAGES.

292

00:17:41,390 --> 00:17:44,640

IT'S EXCITING WHAT WE'RE DOING.

293

00:17:44,640 --> 00:17:48,960

IT'S KIND OF†-- I LIKE TO SAY A  
BREATH TAKING PORTFOLIO THAT WE

294

00:17:48,960 --> 00:17:49,960

HAVE.

295

00:17:49,960 --> 00:17:53,550

AS BOB SAID, AS THE COO, I GET  
TO SEE THIS EVERY MONTH, SEE

296

00:17:53,550 --> 00:17:55,760

WHAT WE'RE DOING AND WHAT WE'RE  
WORKING ON.

297

00:17:55,760 --> 00:17:58,880

IT'S AMAZING THAT WE HAVE ALL  
THIS THAT WE'RE DOING.

298

00:17:58,880 --> 00:18:00,880

THAT'S THE WHAT WE'RE DOING.

299

00:18:00,880 --> 00:18:02,580

BUT LET'S TALK ABOUT HOW WE DO

IT.

300

00:18:02,580 --> 00:18:03,580

ALL RIGHT?

301

00:18:03,580 --> 00:18:05,370

HOW WE DO IT IS WITH YOU.

302

00:18:05,370 --> 00:18:06,370

IT'S OUR PEOPLE.

303

00:18:06,370 --> 00:18:09,060

IT'S†-- YOU KNOW, WE CAN TALK  
WHAT ALL DAY LONG.

304

00:18:09,060 --> 00:18:12,440

HOW WE DO IT, THE SPIRIT OF THE  
NASA TEAM, THAT MAKES THIS PLACE

305

00:18:12,440 --> 00:18:13,440

GO.

306

00:18:13,440 --> 00:18:15,260

IT'S NOT JUST THE FOLKS THAT  
WORK HERE.

307

00:18:15,260 --> 00:18:17,700

IT'S THE FAMILY MEMBERS THAT  
SUPPORT THEM.

308

00:18:17,700 --> 00:18:21,610

DO ME A FAVOR, IF YOU'RE A  
FAMILY MEMBER HERE SUPPORTING

309

00:18:21,610 --> 00:18:32,800

ONE OF OUR HONOREES, WOULD YOU  
PLEASE STAND UP?

310

00:18:32,800 --> 00:18:35,320

[+APPLAUSE+]

>> THANK YOU VERY MUCH FOR YOUR

311

00:18:35,320 --> 00:18:36,320  
SUPPORT.

312

00:18:36,320 --> 00:18:38,020  
I WOULD SAY FOR THE MOST PART,  
THOSE OF US THAT GET DO THIS, WE

313

00:18:38,020 --> 00:18:39,780  
DO THIS BECAUSE WE LOVE IT.

314

00:18:39,780 --> 00:18:43,240  
IT'S AS MUCH A HOBBY AS IT IS A  
JOB FOR US.

315

00:18:43,240 --> 00:18:44,970  
YOU GUYS HAVE TO PUT UP WITH US.

316

00:18:44,970 --> 00:18:46,680  
THOSE OF YOU THAT JUST STOOD UP.

317

00:18:46,680 --> 00:18:47,880  
I APPRECIATE THE SUPPORT.

318

00:18:47,880 --> 00:18:51,500  
I APPRECIATE, AS WE USED TO SAY,  
PICKING UP AT THE SOCCER GAME,

319

00:18:51,500 --> 00:18:55,810  
THE COVER AND THE PTA MEETINGS  
WHILE WE GET TO DO WHAT WE DO.

320

00:18:55,810 --> 00:18:57,990  
THANK YOU FOR BEING A PART OF  
THIS FAMILY.

321

00:18:57,990 --> 00:19:01,080

IT'S THAT ENERGY AND OUR PEOPLE  
AND THE FOLKS THAT SUPPORT THEM

322

00:19:01,080 --> 00:19:03,520  
THAT ALLOW US TO GET THE THINGS  
WE GET TO DO AND MAKE THE

323

00:19:03,520 --> 00:19:06,830  
DIFFERENCES WE WANT TO DO.

324

00:19:06,830 --> 00:19:09,080  
WHAT WE DO DOES MATTER, WHETHER  
IT'S THE SPINOFF OF THE

325

00:19:09,080 --> 00:19:12,740  
TECHNOLOGY THAT SUPPORTS US HERE  
ON EARTH, OR WHETHER IT'S JUST

326

00:19:12,740 --> 00:19:15,300  
MAKING THINGS SAFER, MORE  
EFFICIENT FOR US AS WE MOVE

327

00:19:15,300 --> 00:19:18,950  
FORWARD OR JUST EXPANDS OUR  
KNOWLEDGE.

328

00:19:18,950 --> 00:19:20,920  
THAT'S WHAT WE DO.

329

00:19:20,920 --> 00:19:25,920  
THIS IS ONE PLACE WHERE I THINK  
FOR THE UNITED STATES, NASA

330

00:19:25,920 --> 00:19:27,610  
REMAINS A GLOBAL LEADER.

331

00:19:27,610 --> 00:19:30,770  
THE U.S. CAN LOOK AT US AS†--  
THIS IS A PLACE WHERE WE ARE A



332

00:19:30,770 --> 00:19:32,430

LEADER INTERNATIONALLY IN SPACE.

333

00:19:32,430 --> 00:19:37,430

THAT'S WHAT WE DO IT'S AMAZING  
WHAT WE DO.

334

00:19:37,430 --> 00:19:40,170

I THINK PEOPLE ARE ATTRACTED TO  
WHAT WE DO FOR A LOT OF REASONS.

335

00:19:40,170 --> 00:19:42,310

WE INSPIRE.

336

00:19:42,310 --> 00:19:45,530

WE PUSH THE BOUNDARIES OF  
KNOWLEDGE.

337

00:19:45,530 --> 00:19:47,810

THAT GIVES PEOPLE A BIT OF HOPE.

338

00:19:47,810 --> 00:19:52,420

A BIT OF THINKING THAT MAYBE,  
YOU KNOW, WE CAN OVERCOME SOME

339

00:19:52,420 --> 00:19:55,130

OF THE THINGS WE HAVE TO DEAL  
WITH BECAUSE WE ARE MAKING GREAT

340

00:19:55,130 --> 00:19:58,510

ADVANCES IN AREAS THAT PEOPLE  
NEVER THOUGHT WERE POSSIBLE.

341

00:19:58,510 --> 00:20:01,650

CHARLIE LIKES TO SAY WE MAKE THE  
IMPOSSIBLE POSSIBLE.

342

00:20:01,650 --> 00:20:03,300

THAT'S WHAT WE GET DO EVERY DAY

AT NASA.

343

00:20:03,300 --> 00:20:05,700

IT'S FASCINATING.

344

00:20:05,700 --> 00:20:08,260

I THINK I WANT TO HIT ONE MORE  
THING.

345

00:20:08,260 --> 00:20:09,340

I TALKED ABOUT THE WHAT.

346

00:20:09,340 --> 00:20:10,340

I TALKED ABOUT THE HOW.

347

00:20:10,340 --> 00:20:13,160

I WANT TO TALK ABOUT THE WHY.

348

00:20:13,160 --> 00:20:14,900

I THINK THE WHY IS IMPORTANT.

349

00:20:14,900 --> 00:20:17,940

WE'LL RECOGNIZE SOME OF THE BEST  
THIS AGENCY HAS TODAY.

350

00:20:17,940 --> 00:20:18,940

THEY'LL WALK UP HERE.

351

00:20:18,940 --> 00:20:22,820

I WANT YOU TO LISTEN TO WHAT  
THEY'VE DONE.

352

00:20:22,820 --> 00:20:24,600

OR READ THE BOOK.

353

00:20:24,600 --> 00:20:27,070

IT'S PRETTY PHENOMENAL WHAT  
THESE FOLKS HAVE ACCOMPLISHED.

354

00:20:27,070 --> 00:20:34,230

THEY REPRESENT A SMALL  
PERCENTAGE OF THE AGENCY.

355

00:20:34,230 --> 00:20:35,830

THEY UNDERSTAND THE WHY.

356

00:20:35,830 --> 00:20:37,391

THEY ARE HERE BECAUSE THEY GET  
THE WHY.

357

00:20:37,391 --> 00:20:39,430

WHY DO WE DO THIS.

358

00:20:39,430 --> 00:20:43,551

I THINK IF YOU THINK ABOUT IT,  
EVERY ONE OF THEM, IF YOU

359

00:20:43,551 --> 00:20:45,430

BROUGHT THEM OUT AND YOU GET A  
CHANCE TO TALK TO THEM, THEY

360

00:20:45,430 --> 00:20:47,200

HAVE A STORY TO TELL.

361

00:20:47,200 --> 00:20:48,790

THEY'LL TELL THEIR STORY ABOUT  
WHY THEY'RE DOING WHAT THEY'RE

362

00:20:48,790 --> 00:20:51,770

DOING.

363

00:20:51,770 --> 00:20:53,920

THEY ARE EITHER INVOLVED IN  
TAKING HUMANS FURTHER THAN

364

00:20:53,920 --> 00:20:57,900

THEY'VE GONE BEFORE IN SPACE,  
BUILDING SYSTEMS THAT WILL

365

00:20:57,900 --> 00:21:00,440

REVEAL NEW SCIENTIFIC KNOWLEDGE  
TO US, BASICALLY REWRITING

366

00:21:00,440 --> 00:21:03,570

TEXTBOOKS FOR GRANDKIDS,  
ASSUMING MY GRANDKIDS HAVE

367

00:21:03,570 --> 00:21:07,990

TEXTBOOKS BY THE TIME THEY GET  
THERE, AND DOING THINGS TO HELP

368

00:21:07,990 --> 00:21:15,500

US UNDERSTAND THE HOME PROGRAM.

369

00:21:15,500 --> 00:21:18,570

EVERY ONE OF THEM HAS A STORY TO  
TELL.

370

00:21:18,570 --> 00:21:20,940

AND MOST OF US ARE BUILDING OFF  
A LEGACY THAT WAS LEFT TO US

371

00:21:20,940 --> 00:21:23,190

THAT WERE HERE WITH THE FOLKS  
BEFORE.

372

00:21:23,190 --> 00:21:25,070

I ALWAYS TALK TO THE FOLKS HERE  
BEFORE.

373

00:21:25,070 --> 00:21:28,820

I ASK, ESPECIALLY THE GUYS BACK  
IN THE APOLLO DAYS, DID YOU KNOW

374

00:21:28,820 --> 00:21:30,530

YOU WERE MAKING HISTORY?

375

00:21:30,530 --> 00:21:33,220  
FOR THE MOST PART THEY SAY, NO,  
I WAS JUST DOING MY JOB.

376  
00:21:33,220 --> 00:21:34,630  
MAN, I LOVE MY JOB.

377  
00:21:34,630 --> 00:21:35,630  
IT WAS FUN.

378  
00:21:35,630 --> 00:21:40,150  
I BET YOU ASK THESE FOLKS HERE,  
THEY'LL SAY I WAS JUST DOING MY

379  
00:21:40,150 --> 00:21:41,150  
JOB.

380  
00:21:41,150 --> 00:21:42,150  
I LOVE DOING THIS STUFF.

381  
00:21:42,150 --> 00:21:43,930  
THEY'RE ALSO MAKING HISTORY,  
EVERY DAY.

382  
00:21:43,930 --> 00:21:46,920  
YOU SAW THAT VIDEO THAT'S WHAT  
WE DO IN THIS AGENCY.

383  
00:21:46,920 --> 00:21:51,640  
AS CHARLIE SAYS, WE ARE A FUTURE  
AGENCY, BUT WE'RE MAKING HISTORY

384  
00:21:51,640 --> 00:21:52,900  
AS WE MOVE FORWARD.

385  
00:21:52,900 --> 00:21:56,030  
I SHARED THIS STORY A COUPLE  
TIMES LATELY ABOUT THE WHY PART

386

00:21:56,030 --> 00:22:00,140  
OF THIS I WANT TO SHARE IT FOR  
THIS CROWD AT AN HONOR AWARDS,

387  
00:22:00,140 --> 00:22:04,400  
BECAUSE YOU REPRESENT THE WHY  
PART AS MUCH AS ANYBODY.

388  
00:22:04,400 --> 00:22:10,180  
IT'S THE STONE CUTTER'S STORY,  
IT NEVER HURTS TO HEAR IT AGAIN.

389  
00:22:10,180 --> 00:22:15,040  
A MAN SEES THREE STONE CUTTERS  
WORKING IN A QUARRY.

390  
00:22:15,040 --> 00:22:16,480  
HE WANTS TO FIND OUT WHAT  
THEY'RE WORKING ON.

391  
00:22:16,480 --> 00:22:19,660  
HE WALKS UP TO THE FIRST ONE,  
WHAT ARE YOU DOING?

392  
00:22:19,660 --> 00:22:21,020  
I'M MAKING A BRICK.

393  
00:22:21,020 --> 00:22:22,800  
THAT DOESN'T HELP HIM VERY MUCH.

394  
00:22:22,800 --> 00:22:26,020  
HE GOES TO THE SECOND ONE WHAT  
ARE YOU DOING?

395  
00:22:26,020 --> 00:22:28,620  
I'M MAKING A BRICK, BUT I'M  
MAKING SURE THE EDGES ARE

396  
00:22:28,620 --> 00:22:33,120  
PERFECTLY SHAPED SO WHEN IT GETS

PLACED, IT WILL BE THE RIGHT

397

00:22:33,120 --> 00:22:34,250

PART.

398

00:22:34,250 --> 00:22:37,780

THE THIRD SAYS I'M BUILDING A  
CATHEDRAL.

399

00:22:37,780 --> 00:22:38,780

WHICH ONE GETS IT?

400

00:22:38,780 --> 00:22:39,780

THE THIRD ONE, RIGHT?

401

00:22:39,780 --> 00:22:40,960

APPLY THAT TO US.

402

00:22:40,960 --> 00:22:44,980

I'M AN OLD ROCKET GUY, I HAD TO  
MAKE IT A ROCKET STORY.

403

00:22:44,980 --> 00:22:48,120

OUR VERSION COULD BE, YOU WALK  
UP TO AN ENGINEER ON A

404

00:22:48,120 --> 00:22:49,860

MANUFACTURING MACHINE.

405

00:22:49,860 --> 00:22:51,860

ALL RIGHT?

406

00:22:51,860 --> 00:22:54,590

FIRST ENGINEER SAYS, I'M  
BUILDING A PART.

407

00:22:54,590 --> 00:22:55,820

RIGHT?

408

00:22:55,820 --> 00:22:58,540

SECOND ENGINEER SAYS I'M  
BUILDING A PART THAT WILL FIT ON

409

00:22:58,540 --> 00:22:59,830

A ROCKET.

410

00:22:59,830 --> 00:23:03,390

THE THIRD ENGINEER SAYS, I'M  
BUILDING A ROCKET THAT WILL TAKE

411

00:23:03,390 --> 00:23:06,160

HUMANS FURTHER THAN WE'VE EVER  
TAKEN THEM BEFORE.

412

00:23:06,160 --> 00:23:07,400

THAT'S WHAT WE DO.

413

00:23:07,400 --> 00:23:08,690

THAT'S THE WHY.

414

00:23:08,690 --> 00:23:10,400

THAT'S WHAT'S IMPORTANT.

415

00:23:10,400 --> 00:23:13,340

THANKS AGAIN TO EACH OF YOU FOR  
WHAT YOU HAVE DONE, FOR OUR

416

00:23:13,340 --> 00:23:17,690

HONOREES TODAY AND THANKS TO THE  
FAMILIES FOR BEING HERE WITH US

417

00:23:17,690 --> 00:23:20,850

AND SUPPORTING THESE FOLKS AND  
ALLOWING US TO GET TO DO WHAT WE

418

00:23:20,850 --> 00:23:22,530

GET TO DO.



419

00:23:22,530 --> 00:23:24,540

GENERATIONS LIKE THESE BEHIND  
YOU WILL FOLLOW IN YOUR

420

00:23:24,540 --> 00:23:25,540

FOOTSTEPS.

421

00:23:25,540 --> 00:23:27,410

I CAN BE PROUD OF THAT  
ACCOMPLISHMENT.

422

00:23:27,410 --> 00:23:30,510

THANK YOU ALL FOR HAVING US HERE  
AT KSC, AND NOW I WOULD LIKE TO

423

00:23:30,510 --> 00:23:34,960

TURN THE FLOOR OVER TO CHARLIE  
BOLDEN, OUR ADMINISTRATOR.

424

00:23:34,960 --> 00:23:44,170

>> THANK YOU VERY MUCH, ROBERT.

425

00:23:44,170 --> 00:23:46,050

THANKS TO EVERYBODY FOR COMING  
OUT TODAY.

426

00:23:46,050 --> 00:23:49,920

BOB, ROBERT, THANK BOTH OF YOU  
FOR YOUR COMMENTS.

427

00:23:49,920 --> 00:23:51,770

ROBERT ELUDED TO A LOT OF  
DIFFERENT THINGS.

428

00:23:51,770 --> 00:23:55,780

AS I LOOKED OUT THERE I SAW SOME  
SPOUSES, I THINK, FAMILY MEMBERS

429

00:23:55,780 --> 00:23:58,970

WHO KIND OF LOOKED LIKE THEY  
WERE GETTING CHOKED UP WHEN

430

00:23:58,970 --> 00:24:00,740  
ROBERT THANKED YOU.

431

00:24:00,740 --> 00:24:02,290  
I CAN SEE ONE OVER THERE.

432

00:24:02,290 --> 00:24:04,550  
SHE'S LIKE ME.

433

00:24:04,550 --> 00:24:06,760  
YOU ALL DO INCREDIBLE STUFF.

434

00:24:06,760 --> 00:24:09,620  
YOU REALLY DO I THINK THAT'S THE  
MESSAGE THAT ROBERT WAS TRYING

435

00:24:09,620 --> 00:24:10,990  
TO GIVE YOU.

436

00:24:10,990 --> 00:24:13,440  
I'M PRIVILEGED.

437

00:24:13,440 --> 00:24:17,040  
I WORK WITH THE GREATEST GROUP  
OF PEOPLE IN THE WORLD.

438

00:24:17,040 --> 00:24:19,990  
THERE'S ABOUT 18,000 CIVIL  
SERVANTS THAT MAKE UP THE NASA

439

00:24:19,990 --> 00:24:23,310  
FAMILY, ABOUT 40,000  
CONTRACTORS.

440

00:24:23,310 --> 00:24:26,100  
AND LIKE ROBERT AND BOB SAID, WE

GET TO SEE A LOT OF STUFF COME

441

00:24:26,100 --> 00:24:29,000  
AND GO EVERY SINGLE DAY.

442

00:24:29,000 --> 00:24:33,130  
FROM NASA HEADQUARTERS, WHILE  
WE'RE NOT DOWN TOUCHING HARDWARE

443

00:24:33,130 --> 00:24:37,130  
EVERY DAY, WE GET TO SEE THE  
IMPACT THAT YOU ALL MAKE.

444

00:24:37,130 --> 00:24:40,160  
WE GET TO SEE IT ON A GLOBAL  
SCALE.

445

00:24:40,160 --> 00:24:45,090  
BECAUSE WE DO GET TO TALK TO  
PEOPLE FROM OTHER COUNTRIES AND

446

00:24:45,090 --> 00:24:48,190  
COMPANIES AND THE LIKE WHO  
ALWAYS ADMIRE EVERYTHING THAT

447

00:24:48,190 --> 00:24:49,190  
YOU DO.

448

00:24:49,190 --> 00:24:52,240  
THIS IS A VERY†-- THIS IS YOUR  
DAY, THOSE BEING RECOGNIZED

449

00:24:52,240 --> 00:24:54,860  
TODAY.

450

00:24:54,860 --> 00:24:57,500  
ROBERT GIVES ME SOMETHING EVERY  
TIME I HEAR HIM THAT I FALL IN

451

00:24:57,500 --> 00:24:58,500

LOVE WITH.

452

00:24:58,500 --> 00:25:02,110

I NEVER HEARD THE HARDWARE WANTS  
TO TALK TO US.

453

00:25:02,110 --> 00:25:04,790

THAT'S SOMETHING WE NEED TO  
REMEMBER.

454

00:25:04,790 --> 00:25:08,080

WE WERE HAVING A DISCUSSION  
ABOUT SCHEDULES, ALL THAT STUFF

455

00:25:08,080 --> 00:25:10,010

BEFORE WE CAME IN.

456

00:25:10,010 --> 00:25:12,210

WE CAN WORK A THING TO DEATH.

457

00:25:12,210 --> 00:25:15,660

BUT EVERY ONCE IN A WHILE WE  
NEED TO SAY, IT'S TIME TO GO.

458

00:25:15,660 --> 00:25:17,010

LET THE HARDWARE TALK TO US.

459

00:25:17,010 --> 00:25:18,640

I'LL TRY TO REMEMBER THAT.

460

00:25:18,640 --> 00:25:21,280

I WAS COMMENTING TO ROBERT, IN  
THE VIDEO, I'M NOT SURE HOW MANY

461

00:25:21,280 --> 00:25:24,460

OF YOU SAW IT WHEN THE PILOT,  
THE GUY WEARING THE FLIGHT SUIT

462

00:25:24,460 --> 00:25:27,240  
SAYS NASA IS WITH YOU WHEN YOU  
FLY.

463  
00:25:27,240 --> 00:25:30,660  
I TRY TO SAY THAT ALL THE TIME  
IT DOESN'T GO OVER WELL WHEN

464  
00:25:30,660 --> 00:25:32,080  
YOU'RE IN A BUSINESS SUIT.

465  
00:25:32,080 --> 00:25:35,820  
I REALLY LIKED IT WHEN YOU HAVE  
A GUY IN A FLIGHT SUIT SAYING

466  
00:25:35,820 --> 00:25:37,390  
NASA IS WITH YOU WHEN YOU FLY.

467  
00:25:37,390 --> 00:25:42,960  
THAT LOOKS LIKE SOMEBODY WHO  
KNOWS WHAT HE'S TALKING ABOUT.

468  
00:25:42,960 --> 00:25:43,960  
WHY KSC?

469  
00:25:43,960 --> 00:25:45,660  
WHY ARE WE HERE TODAY?

470  
00:25:45,660 --> 00:25:49,490  
IT'S BECAUSE SHARP PEOPLE IN  
HUMAN CAPITAL THOUGHT IT WAS

471  
00:25:49,490 --> 00:25:52,460  
TIME TO TAKE THE SHOW ON THE  
ROAD.

472  
00:25:52,460 --> 00:25:56,590  
BRINGING PEOPLE TO WASHINGTON IS  
OKAY, BUT PEOPLE IN THE CENTERS

473

00:25:56,590 --> 00:26:00,200

AND THEIR FAMILIES DON'T ALWAYS  
HAVE AN OPPORTUNITY TO SEE THE

474

00:26:00,200 --> 00:26:03,230

SIGNIFICANCE OF THIS PARTICULAR  
CEREMONY.

475

00:26:03,230 --> 00:26:07,410

WE'RE RECOGNIZING THE HIGHEST  
PERFORMERS IN THE AGENCY TODAY

476

00:26:07,410 --> 00:26:11,460

WITH TWO AAWARDS WE GIVE, ONE  
FOR CIVIL SERVANTS, AND THE

477

00:26:11,460 --> 00:26:16,120

OTHER FOR PEOPLE IN THE PUBLIC  
SERVICE.

478

00:26:16,120 --> 00:26:19,270

HOPEFULLY THIS IS A SPECIAL DAY  
FOR YOU AND YOUR FAMILIES.

479

00:26:19,270 --> 00:26:21,860

BUT ALSO IT GIVES US AN  
OPPORTUNITY TO ALLOW YOU TO

480

00:26:21,860 --> 00:26:25,270

SHARE THIS WITH PEOPLE WHO MIGHT  
NOT ORDINARILY GET TO SEE IT UP

481

00:26:25,270 --> 00:26:26,490

CLOSE AND PERSONAL.

482

00:26:26,490 --> 00:26:30,530

WE'RE GOING TO TRY TO WORK FROM  
HERE AND MOVE AROUND THE CENTER

483

00:26:30,530 --> 00:26:34,760  
PERIODICALLY SO WE DO THIS AT  
CENTERS INSTEAD OF ALWAYS AT

484  
00:26:34,760 --> 00:26:36,200  
NASA HEADQUARTERS.

485  
00:26:36,200 --> 00:26:41,470  
I SAID I WANT TO THANK ALSO  
EVERY SINGLE ONE OF YOU WHO HAS

486  
00:26:41,470 --> 00:26:43,130  
JOINED US TODAY FOR THIS.

487  
00:26:43,130 --> 00:26:45,880  
IT IS A SPECIAL CELEBRATION.

488  
00:26:45,880 --> 00:26:49,340  
MANY OF YOU HAVE TRAVELED TO BE  
HERE.

489  
00:26:49,340 --> 00:26:52,690  
I WANT YOU TO KNOW HOW PROUD I  
AM OF THE WORK THAT YOU DO.

490  
00:26:52,690 --> 00:26:55,850  
TO YOU'RE FAMILIES, AS ROBERT  
SAID, I SAY THANK YOU FOR

491  
00:26:55,850 --> 00:26:58,240  
SHARING YOUR LOVED ONES WITH US.

492  
00:26:58,240 --> 00:27:01,910  
WE RECOGNIZE THE FACT THAT YOU  
HAVE SACRIFICED AND YOU WOULD

493  
00:27:01,910 --> 00:27:06,290  
LIKE TO HAVE THEM HOME MUCH MORE  
THAN THEY ARE, SOME OF YOU.

494

00:27:06,290 --> 00:27:10,310

FOR THE WIVES THAT ARE LIKE MY  
LIFE, I REMEMBER WHEN I TRIED TO

495

00:27:10,310 --> 00:27:14,660

RETIRE FOR THE FIRST TIME,  
TRANSITION, AS SHE CALL IT I GOT

496

00:27:14,660 --> 00:27:18,600

UP DUTIFULLY EVERY MORNING, WENT  
DOWN, FIXED COFFEE, WOULD BRING

497

00:27:18,600 --> 00:27:20,430

UP BREAKFAST IN BED.

498

00:27:20,430 --> 00:27:24,370

FIRST WEEK, I WOULD GIVE HER THE  
BREAKFAST AND COFFEE AND SAY

499

00:27:24,370 --> 00:27:26,270

WHAT ARE WE DOING TODAY.

500

00:27:26,270 --> 00:27:29,790

SHE WOULD KIND OF LOOK, AND THEN  
START OF THE SECOND WEEK, I

501

00:27:29,790 --> 00:27:31,680

BROUGHT THE COFFEE AND BREAKFAST  
UP.

502

00:27:31,680 --> 00:27:33,510

I SAID, JACKIE WHAT ARE WE DOING  
TODAY?

503

00:27:33,510 --> 00:27:35,460

SHE SAID, LOOK, I DON'T KNOW  
WHAT YOU'RE DOING.

504

00:27:35,460 --> 00:27:37,340



I GOT A LIFE.

505

00:27:37,340 --> 00:27:39,400

YOU DON'T HAVE TO GO BACK TO  
WORK, BUT YOU HAVE TO GET OUT OF

506

00:27:39,400 --> 00:27:40,510

HERE AND DO SOMETHING.

507

00:27:40,510 --> 00:27:43,160

SHE SAID I APPRECIATE  
EVERYTHING.

508

00:27:43,160 --> 00:27:46,510

I DO APPRECIATE WHAT YOU ALL DO  
FOR US ALL THE TIME.

509

00:27:46,510 --> 00:27:49,000

I KNOW THAT YOUR LOVED ONES DO,  
ALSO.

510

00:27:49,000 --> 00:27:51,460

BUT THANKS SO MUCH FOR SHARING  
YOUR LOVED ONES WITH US.

511

00:27:51,460 --> 00:27:54,470

I APPRECIATE THAT SO MUCH OF THE  
HONOREES FAMILY MEMBERS HAVE

512

00:27:54,470 --> 00:27:57,300

JOINED US, AND I WANT TO WELCOME  
A SPECIAL GROUP.

513

00:27:57,300 --> 00:28:01,730

I HAD A CHANCE TO YELL AT THEM.

514

00:28:01,730 --> 00:28:04,710

WELCOME THE STUDENTS FROM THE  
COCOA BEACH BOYS AND GIRLS CLUB

515

00:28:04,710 --> 00:28:06,200

WHO HAVE JOINED US TODAY.

516

00:28:06,200 --> 00:28:10,790

I KNOW MANY OF THEM ARE IN THE  
PURPLE AND YELLOW, GREAT

517

00:28:10,790 --> 00:28:14,370

COLORS†-- NOT SURE WHO PICKED  
YOUR COLORS, YOU COULDN'T HAVE

518

00:28:14,370 --> 00:28:17,360

PICKED BETTER COLORS THAN PURPLE  
AND GOLD.

519

00:28:17,360 --> 00:28:18,790

SOME OF YOU GET IT.

520

00:28:18,790 --> 00:28:19,830

SOME OTHERS DON'T.

521

00:28:19,830 --> 00:28:23,610

ALEXANDER, OLIVER, EDEN,  
BENJAMIN, MADISON, LEAH,

522

00:28:23,610 --> 00:28:24,870

NICHOLAS, ALEC.

523

00:28:24,870 --> 00:28:28,650

LET ME SEE, YOU ARE ALEC?

524

00:28:28,650 --> 00:28:29,910

THAT'S ALEC.

525

00:28:29,910 --> 00:28:31,890

YOU MUST BE NICHOLAS.

526

00:28:31,890 --> 00:28:34,380

NICHOLAS, I WAS TELLING FOLKS ON  
THE FRONT ROW, I SAID NICHOLAS

527

00:28:34,380 --> 00:28:37,660  
IS PROBABLY GOING WHO IS THAT  
GUY?

528

00:28:37,660 --> 00:28:39,710  
WHO KEEPS TURNING†-- BEFORE WE  
STARTED, WHO KEEPS TURNING

529

00:28:39,710 --> 00:28:43,400  
AROUND BOTHERING ME AND TALKING  
ABOUT NOT DRINKING COFFEE

530

00:28:43,400 --> 00:28:47,080  
BECAUSE IT WILL STUNT YOUR  
GROWTH AND ALL THAT STUFF.

531

00:28:47,080 --> 00:28:51,770  
NICHOLAS, I WAS JUST TRYING  
TO†-- I WAS TRYING TO THANK YOU

532

00:28:51,770 --> 00:28:56,150  
FOR WHAT YOUR DAD IS GOING TO  
GET TODAY.

533

00:28:56,150 --> 00:28:59,240  
HOPEFULLY HELP YOU UNDERSTAND  
HOW IMPORTANT IT IS.

534

00:28:59,240 --> 00:29:01,350  
HOPEFULLY HOW YOU WILL FEEL  
PROUD ABOUT IT YOU'LL LOOK BACK

535

00:29:01,350 --> 00:29:04,280  
ON IT SOME DAY AND SAY I DO  
REMEMBER THAT GUY NOW.

536

00:29:04,280 --> 00:29:07,920

I THOUGHT HE WAS CRAZY.

537

00:29:07,920 --> 00:29:11,000

FOR THE GROUP FROM THE BOYS AND  
GIRLS CLUB, I WILL SINGLE OUT

538

00:29:11,000 --> 00:29:12,000

TAMERA.

539

00:29:12,000 --> 00:29:13,810

TAMERA, RAISE YOUR HAND.

540

00:29:13,810 --> 00:29:14,810

STAND.

541

00:29:14,810 --> 00:29:16,220

YOU ARE THE OLDEST ONE.

542

00:29:16,220 --> 00:29:19,090

SHE TOLD ME THAT STAND UP FOR A  
SECOND.

543

00:29:19,090 --> 00:29:22,770

AS I WAS LOOKING THROUGH THIS,  
EVERYBODY SAYS TAMERA IS ALWAYS

544

00:29:22,770 --> 00:29:26,930

FULL OF LIFE AND HER SMILE IS  
ALWAYS SHINING LIKE ONE†-- LIKE

545

00:29:26,930 --> 00:29:28,220

THE ONE IN HER PICTURE.

546

00:29:28,220 --> 00:29:31,940

SHE IS THE REIGNING YOUTH OF THE  
YEAR FOR COCOA BEACH.

547

00:29:31,940 --> 00:29:36,770

A STAR†-- WILL YOU LOVE THIS.

548

00:29:36,770 --> 00:29:39,590

STAR VOLLEYBALL AND BASKETBALL  
PLAYER AT TITUSVILLE HIGH AND A

549

00:29:39,590 --> 00:29:42,360

STAR TRACK RUNNER AT THE SCHOOL,  
TOO.

550

00:29:42,360 --> 00:29:45,500

TAMERA REPRESENTS ALL OF THE  
KIDS OUT THERE.

551

00:29:45,500 --> 00:29:52,460

CONGRATULATIONS TO YOU AND  
EVERYONE ELSE THIS YEAR.

552

00:29:52,460 --> 00:29:55,530

[†APPLAUSE†]

I SAID ALL THAT, THOUGH, ABOUT

553

00:29:55,530 --> 00:29:58,380

THE STUDENTS, ABOUT THE  
FAMILIES, THEY'RE MORE FAMILIES

554

00:29:58,380 --> 00:30:00,670

HERE WITH THEIR KIDS AND IT'S  
SPECIAL FOR ALL OF YOU TO BE

555

00:30:00,670 --> 00:30:01,670

HERE.

556

00:30:01,670 --> 00:30:07,800

I WANT YOU TO KNOW THAT YOU ARE  
REALLY THE FIRST, THE TRUE FIRST

557

00:30:07,800 --> 00:30:09,120

SPACE GENERATION.

558

00:30:09,120 --> 00:30:13,850  
IT'S YOUR GENERATION THAT HAS  
NEVER†-- TAMERA HAS, TWO YEARS.

559  
00:30:13,850 --> 00:30:16,320  
YOU MISSED IT BY TWO YEARS,  
YOU'RE STILL IN THE SPACE

560  
00:30:16,320 --> 00:30:17,320  
GENERATION.

561  
00:30:17,320 --> 00:30:20,290  
YOUR GENERATION HAS NEVER KNOWN  
A TIME THAT HUMAN BEINGS HAVE

562  
00:30:20,290 --> 00:30:22,330  
NOT LIVED AND WORKED IN SPACE.

563  
00:30:22,330 --> 00:30:26,970  
FOR EVERY SINGLE ONE OF YOU 14  
AND YOUNGER, SOON THE

564  
00:30:26,970 --> 00:30:30,790  
15-YEAR-OLDS, THERE WILL NOT AB  
SINGLE SECOND IN YOUR LIFE WHEN

565  
00:30:30,790 --> 00:30:33,070  
HUMAN BEINGS HAVE NOT  
CONTINUOUSLY BEEN LIVING AND

566  
00:30:33,070 --> 00:30:38,180  
WORKING ON THE SPACE STATION,  
250 MILES ABOVE EARTH.

567  
00:30:38,180 --> 00:30:41,110  
AS ROBERT SAID, WE'RE NOT ALL  
ABOUT MARS, WE'RE NOT ALL ABOUT

568  
00:30:41,110 --> 00:30:43,950  
THE INTERNATIONAL SPACE STATION,

BUT WE'RE ABOUT MAKING LIFE

569

00:30:43,950 --> 00:30:45,440

BETTER ON EARTH.

570

00:30:45,440 --> 00:30:48,020

THAT'S WHAT'S GOING ON ON THE  
INTERNATIONAL SPACE STATION.

571

00:30:48,020 --> 00:30:52,050

AND FOR THE VAST MAJORITY OF YOU  
YOUNG PEOPLE IN THE AUDIENCE,

572

00:30:52,050 --> 00:30:54,910

THAT MAKES YOU THE SPECIAL SPACE  
GENERATION.

573

00:30:54,910 --> 00:30:56,800

YOU WILL GO TO MARS.

574

00:30:56,800 --> 00:30:58,240

WE TALK ABOUT IT.

575

00:30:58,240 --> 00:31:03,200

BOB AND I, WE KEEP SCHEMING,  
THINKING WE'LL LAST LONG ENOUGH.

576

00:31:03,200 --> 00:31:09,580

WE TALK TO SENATOR JOHN GLENN,  
HE TELLS US WE WANT GO BACK AND

577

00:31:09,580 --> 00:31:11,780

FLY AGAIN UNTIL WE'RE 77.

578

00:31:11,780 --> 00:31:15,450

BOB AND I ARE STARTING TO COUNT  
THE DAYS, REALLY YEARS, THAT'S A

579

00:31:15,450 --> 00:31:18,940

LONG TIME TO GET TO 77, EVEN  
WHEN YOU'RE AS OLD AS I AM.

580

00:31:18,940 --> 00:31:21,940

BUT YOU ARE GOING TO MARS.

581

00:31:21,940 --> 00:31:24,910

PROBABLY ONE OF YOU SITTING IN  
THE AUDIENCE RIGHT NOW WILL BE

582

00:31:24,910 --> 00:31:28,310

AMONG THE FIRST CREW THAT WILL  
PUT BOOTS ON MARS.

583

00:31:28,310 --> 00:31:29,310

THAT'S IMPORTANT.

584

00:31:29,310 --> 00:31:32,210

THAT'S WHY THE PEOPLE BEING  
RECOGNIZED TODAY, IF YOU ASK

585

00:31:32,210 --> 00:31:34,900

THEM, A LOT OF THEM, IT WOULD  
TELL YOU THAT'S ALSO WHY THEY DO

586

00:31:34,900 --> 00:31:35,900

WHAT THEY DO.

587

00:31:35,900 --> 00:31:39,880

WHEN ROBERT TALKS ABOUT THE HOW,  
WHY, WHAT, WE'RE DOING IT FOR

588

00:31:39,880 --> 00:31:40,880

YOU.

589

00:31:40,880 --> 00:31:43,870

WE'RE DOING A LOT OF HARD WORK  
TODAY TO MAKE IT POSSIBLE.

590



00:31:43,870 --> 00:31:46,720  
NEW TECHNOLOGIES, LIKE ROBERT  
MENTIONED, THE SOLAR ELECTRIC

591  
00:31:46,720 --> 00:31:51,600  
PROPULSION, THE ORION, SPACE  
LAUNCH ROCKET ARE BEING

592  
00:31:51,600 --> 00:31:54,010  
DEVELOPED AND TESTED NOW.

593  
00:31:54,010 --> 00:31:59,690  
PEOPLE YOUR AGE WILL TAKE  
HUMANITY TO MARS IN THE 2030s.

594  
00:31:59,690 --> 00:32:03,309  
ALL OF THE PEOPLE HERE TODAY,  
BOTH THOSE GOING TO BE UP HERE

595  
00:32:03,309 --> 00:32:06,870  
SHARING THE STAGE WITH US, AND  
THOSE OUT THERE IN THE AUDIENCE,

596  
00:32:06,870 --> 00:32:08,559  
ARE GOING TO HELP YOU.

597  
00:32:08,559 --> 00:32:10,710  
GOING TO HELP YOU TO REALIZE  
YOUR DREAMS.

598  
00:32:10,710 --> 00:32:13,460  
THESE PEOPLE ARE ABOUT THE  
FUTURE, ABOUT YOUR FUTURE.

599  
00:32:13,460 --> 00:32:20,420  
THE NASA WORK FORCE IS A GROUP  
OF PEOPLE WHO POSSESS MANY TALL

600  
00:32:20,420 --> 00:32:24,130  
LENGTH AND ARE DEDICATED TO MAKE

## THE IMPOSSIBILITY POSSIBILITY

601

00:32:24,130 --> 00:32:26,630

AND TURNING SCIENCE FICTION INTO  
SCIENCE FACT.

602

00:32:26,630 --> 00:32:32,620

REACH YEAR ITS MY PRIVILEGE TO  
CELEBRATE ITS ACCOMPLISHMENTS.

603

00:32:32,620 --> 00:32:35,640

AT THIS CEREMONY TODAY WE  
PRESENT THE HIGHEST MONEYES

604

00:32:35,640 --> 00:32:39,460

NASA BESTOWS, THE DISTINGUISHED  
SERVICES METAL AND THE

605

00:32:39,460 --> 00:32:41,930

DISTINGUISHED PUBLIC SERVICE  
MEDAL.

606

00:32:41,930 --> 00:32:46,520

THAT VERY WORD, DISTINGUISHED,  
MEANS THEY SET THEMSELVES APART.

607

00:32:46,520 --> 00:32:49,700

THEY HAVE BROKEN FROM THE CROWD  
INTO A LOFTIER REALM OF QUALITY

608

00:32:49,700 --> 00:32:51,370

AND DEDICATION.

609

00:32:51,370 --> 00:32:52,370

DISTINGUISHED.

610

00:32:52,370 --> 00:32:55,530

THAT'S THE KIND OF PEOPLE THAT  
WE NEED, THAT THE NATION NEEDS

611

00:32:55,530 --> 00:32:58,860

ON NASA'S TEAM AS WE MAKE THE  
JOURNEY TO MARS, BECAUSE IT'S

612

00:32:58,860 --> 00:33:00,790

NOT GOING TO BE EASY.

613

00:33:00,790 --> 00:33:03,140

WE'RE GOING TO NEED EVERYONE TO  
PULL THEIR OWN WEIGHT.

614

00:33:03,140 --> 00:33:07,040

WE'LL NEED LEADERS LIKE OUR  
HONOR AWARDS RECIPIENTS TO SEE

615

00:33:07,040 --> 00:33:09,750

THE BIG PICTURE AND MAKE A  
TARGETED INVESTMENT IN THEIR

616

00:33:09,750 --> 00:33:13,210

INTELLECTUAL CAPITAL AND GOOD  
OLD-FASHIONED BLOOD, SWEAT AND

617

00:33:13,210 --> 00:33:14,360

TEARS.

618

00:33:14,360 --> 00:33:22,400

OUR GOAL TODAY IS TO CELEBRATE  
THE HONOREES, ALL OF NASA AND

619

00:33:22,400 --> 00:33:27,020

THE CHALLENGES IT MEETS WHICH  
GIVES RISE TO SUCH PASSION AND

620

00:33:27,020 --> 00:33:32,050

TALENT THIS CEREMONY IS ALSO  
INTENDED TO INSPIRE AND ENGAGE

621

00:33:32,050 --> 00:33:34,550

ALL OF YOU PRESENT.

622

00:33:34,550 --> 00:33:37,010

INSPIRATION IS ONE OF THE  
CRITICAL GIFTS WE GIVE EACH

623

00:33:37,010 --> 00:33:42,240

OTHER, AND THAT NASA GIVES TO  
THE FUTURE GENERATIONS THAT MAKE

624

00:33:42,240 --> 00:33:45,460

THEIR OWN GIANT LEAPS IN  
EXPLORATION.

625

00:33:45,460 --> 00:33:48,500

I WANT TO THANK OUR ENTIRE WORK  
FORCE FOR ANOTHER FANTASTIC

626

00:33:48,500 --> 00:33:49,500

YEAR.

627

00:33:49,500 --> 00:33:52,350

WE REACHED A LOT OF MILESTONES,  
AS ROBERT MENTIONED.

628

00:33:52,350 --> 00:33:55,800

OUR JOURNEY TO MARS CONTINUED  
UNABATED EVEN AS WE CELEBRATE

629

00:33:55,800 --> 00:34:00,870

THE INCREDIBLE LEGACY WE HAVE  
BUILT THAT LEGACY INCLUDES THE

630

00:34:00,870 --> 00:34:04,450

25th ANNIVERSARY OF THE HUBBLE  
SPACE TELESCOPE AND THE 50th

631

00:34:04,450 --> 00:34:07,770

ANNIVERSARY OF THE FIRST  
AMERICAN SPACEWALK BY ED WHITE,

632

00:34:07,770 --> 00:34:11,000

WHICH, BY THE WAY, IS ACTUALLY  
TOMORROW.

633

00:34:11,000 --> 00:34:15,740

YOU KNOW, THIS PAST WEEKEND HERE  
AT THE KSC VISITOR'S CENTER, BOB

634

00:34:15,740 --> 00:34:19,650

AND I WERE HONORED AND  
PRIVILEGED TO TAKE PART IN THE

635

00:34:19,650 --> 00:34:23,610

NEW HEROES AND LEGENDS EXHIBIT  
THAT WILL HONOR THE PANTHEON OF

636

00:34:23,610 --> 00:34:28,669

OUR SPACE FLIGHT ENGINEERS FROM  
EARLY DAYS TO CONTEMPORARY

637

00:34:28,669 --> 00:34:29,669

TIMES.

638

00:34:29,669 --> 00:34:34,960

I INVITE ALL OF YOU TO COME BACK  
IN THE FALL OF 2016 OR THE

639

00:34:34,960 --> 00:34:40,050

SUMMER OF 2016 WHEN HEROES AND  
LEGENDS HAS ITS OFFICIAL

640

00:34:40,050 --> 00:34:41,050

OPENING.

641

00:34:41,050 --> 00:34:43,889

I ALSO PARTICIPATED IN THE  
INDUCTION OF FOUR NEW MEMBERS OF

642

00:34:43,889 --> 00:34:53,790  
THE ASTRONAUT HALL OF FAME, JOHN  
GLENN, STEVE LINDSAY, YOU, EVERY

643  
00:34:53,790 --> 00:34:57,830  
ONE OF YOU IN THE NASA FAMILY IS  
A PART OF THAT CONTINUUM.

644  
00:34:57,830 --> 00:35:01,490  
WE ARE STANDING ON THE SHOULDERS  
OF THOSE WHO HAVE GONE BEFORE

645  
00:35:01,490 --> 00:35:06,450  
AND WE ARE PROVIDING THE  
FOUNDATION FOR THOSE WHO WILL

646  
00:35:06,450 --> 00:35:09,950  
FOLLOW, THE YOUNG MEN AND WOMEN  
SITTING HERE IN THIS AUDIENCE,

647  
00:35:09,950 --> 00:35:13,320  
THE YOUNG MEN AND WOMEN FROM THE  
BOYS AND GIRLS CLUBS, THE SONS

648  
00:35:13,320 --> 00:35:16,560  
AND DAUGHTERS AND GRANDSONS,  
GRANDDAUGHTERS OF THE HONOREES

649  
00:35:16,560 --> 00:35:18,310  
TODAY.

650  
00:35:18,310 --> 00:35:21,740  
THAT'S SOMETHING OF WHICH WE CAN  
ALL BE EXTREMELY PROUD.

651  
00:35:21,740 --> 00:35:24,750  
YOU ONLY GET A STRONG FOUNDATION  
BY BUILDING IT WITH CARE AND

652  
00:35:24,750 --> 00:35:28,040

PRIDE AND USING THE BEST  
MATERIALS.

653

00:35:28,040 --> 00:35:30,560  
THANKS FOR ALL OF YOU PROVIDING  
THAT IN THE FORM OF YOUR

654

00:35:30,560 --> 00:35:33,340  
DEDICATION AND EXCELLENCE.

655

00:35:33,340 --> 00:35:35,620  
OUR TEAM IS UNBEATABLE.

656

00:35:35,620 --> 00:35:39,260  
AND I'M DELIGHTED TO LEAD THIS  
INCREDIBLE WORK FORCE TOWARDS

657

00:35:39,260 --> 00:35:40,430  
THE NEXT MILESTONES.

658

00:35:40,430 --> 00:35:45,130  
SO, NOW, LET'S JOIN ME IN  
RECOGNIZING OUR COLLEAGUES WHO

659

00:35:45,130 --> 00:35:48,650  
HAVE DONE EXCEPTIONAL WORK THIS  
PAST YEAR AND IN CELEBRATING THE

660

00:35:48,650 --> 00:35:52,490  
INCREDIBLE MISSIONS THAT EACH  
AND EVERY ONE OF US IS HELPING

661

00:35:52,490 --> 00:35:53,850  
UNFOLD TODAY.

662

00:35:53,850 --> 00:35:59,090  
NOW I'D LIKE TO BRING NASA'S  
ASSOCIATE ADMINISTRATOR, ROBERT

663

00:35:59,090 --> 00:36:04,010  
LIGHTFOOT BACK UP TO THE STAGE  
TO JOIN ME SO WE CAN GIVE AWAY

664  
00:36:04,010 --> 00:36:06,230  
SOME AWARDS.

665  
00:36:06,230 --> 00:36:15,820  
[†APPLAUSE†]  
>> LADIES AND GENTLEMEN, EACH

666  
00:36:15,820 --> 00:36:21,290  
YEAR NASA RECOGNIZES INDIVIDUALS  
WHO HAVE MADE A PROFOUND IMPACT

667  
00:36:21,290 --> 00:36:23,640  
TO NASA'S MISSION SUCCESS.

668  
00:36:23,640 --> 00:36:26,430  
THESE INDIVIDUALS HAVE BEEN  
SELECTED TO RECEIVE ONE OF TWO

669  
00:36:26,430 --> 00:36:34,369  
PRESTIGIOUS AWARDS, FIRST IS THE  
DISTINGUISHED SERVICE MEDAL, IT

670  
00:36:34,369 --> 00:36:38,290  
IS AWARDED TO A GOVERNMENT  
EMPLOYEE WHO BY DISTINGUISHED

671  
00:36:38,290 --> 00:36:43,690  
SERVICE, ABILITY OR VISION HAS  
PERSONALLY CONTRIBUTED TO NASA'S

672  
00:36:43,690 --> 00:36:47,430  
ADVANCEMENT OF UNITED STATES  
INTERESTS.

673  
00:36:47,430 --> 00:36:51,160  
THE INDIVIDUAL'S ACHIEVEMENT OR



CONTRIBUTION MUST DEMONSTRATE A

674

00:36:51,160 --> 00:36:54,600

LEVEL OF EXCELLENCE THAT HAS  
MADE A PROFOUND OR INDELIBLE

675

00:36:54,600 --> 00:36:57,340

IMPACT ON NASA MISSION SUCCESS.

676

00:36:57,340 --> 00:37:01,050

AND THEREFORE THE CONTRIBUTION  
IS SO EXTRAORDINARY THAT OTHER

677

00:37:01,050 --> 00:37:05,180

FORMS OF RECOGNITION BY NASA  
WOULD BE INADEQUATE.

678

00:37:05,180 --> 00:37:10,270

TODAY, WE HAVE 21 HONOREE IN  
THIS CATEGORY.

679

00:37:10,270 --> 00:37:13,040

OTHER FIRST HONOREE IS MR.

680

00:37:13,040 --> 00:37:16,190

DANIEL BUFTON.

681

00:37:16,190 --> 00:37:18,100

>> DAN IS A TRUE FORCE OF  
NATURE.

682

00:37:18,100 --> 00:37:20,840

HE IS A COLLABORATIVE SPIRIT.

683

00:37:20,840 --> 00:37:25,563

HE IS A PERSON THAT GENUINELY  
CARES ABOUT THE PEOPLE THAT HE

684

00:37:25,563 --> 00:37:26,563

WORKS WITH.

685

00:37:26,563 --> 00:37:29,150

HE IS A MENTOR.

686

00:37:29,150 --> 00:37:33,540

HE IS†-- HAS A STRATEGIC VIEW OF  
THE WORLD AND HAS A WAY OF

687

00:37:33,540 --> 00:37:37,360

ASSEMBLING TEAMS TO DO SOMETIMES  
IMPOSSIBLE PROJECTS.

688

00:37:37,360 --> 00:37:43,540

HE HAS DONE TOO MANY PROJECTS  
HERE AT AMES TO COUNT FROM

689

00:37:43,540 --> 00:37:49,020

FACILITIES TO SPACE RELATED  
THINGS, BUT THROUGH IT ALL HIS

690

00:37:49,020 --> 00:37:55,220

STRENGTHS ARE HIS PEOPLE SKILLS,  
HIS ABILITY TO EMPOWER THE

691

00:37:55,220 --> 00:38:03,470

PEOPLE HE WORKS WITH, TO INSPIRE  
THEM DO THINGS BEYOND WHAT THEY

692

00:38:03,470 --> 00:38:06,140

THINK THEY'RE CAPABLE OF DOING.

693

00:38:06,140 --> 00:38:11,420

THAT REALLY IS THE ESSENCE OF  
DAN.

694

00:38:11,420 --> 00:38:12,420

>> MR.

695

00:38:12,420 --> 00:38:16,560  
BUFTON?

696  
00:38:16,560 --> 00:38:21,720  
[†APPLAUSE†]  
MR.

697  
00:38:21,720 --> 00:38:24,790  
BUFTON IS BEING AWARDED FOR  
DISTINGUISHED SERVICE TO NASA

698  
00:38:24,790 --> 00:38:28,170  
HAS CREATED CRITICAL SERVICE  
CAPABILITIES, PERFORMED

699  
00:38:28,170 --> 00:38:39,780  
IMPACTFUL SCIENCE AND INSPIRED  
FUTURE PROJECT MANAGERS AT AMES.

700  
00:38:39,780 --> 00:38:49,119  
[†APPLAUSE†]  
OUR NEXT HONOREE IS MR.

701  
00:38:49,119 --> 00:38:50,119  
LEROY  
CAIN.

702  
00:38:50,119 --> 00:38:51,119  
>> HELLO, LEROY.

703  
00:38:51,119 --> 00:38:55,890  
GLAD TO BE ABLE TO BE HERE AND  
TALK WITH YOU AND YOUR

704  
00:38:55,890 --> 00:38:58,240  
COLLEAGUES AT KENNEDY SPACE  
CENTER ABOUT YOUR DISTINGUISHED

705  
00:38:58,240 --> 00:39:01,920  
SERVICE MEDAL IT WAS EXCITING TO

THERE TO SEE ROBERT AWARD THAT

706

00:39:01,920 --> 00:39:02,920

TO YOU.

707

00:39:02,920 --> 00:39:05,140

WHY THINK ABOUT THE  
DISTINGUISHED SERVICE MEDAL AND

708

00:39:05,140 --> 00:39:08,100

WHAT IT REPRESENTS, YOU ARE ONE  
OF THE PEOPLE WHO COMES TO MIND.

709

00:39:08,100 --> 00:39:10,900

YOUR WORK WITH SPACE SHUTTLE  
PROGRAM, SAVING DID FROM

710

00:39:10,900 --> 00:39:16,720

LIGHTNING STRIKES, MOVING IT OUT  
OF THE WAY OF HURRICANES, THAT

711

00:39:16,720 --> 00:39:20,900

ALLOWED THE SPACE STATION TO BE  
ASSEMBLED, HUBBLE TO BE SERVICED

712

00:39:20,900 --> 00:39:25,750

AND THE PROGRAM TO PROCEED AND  
CONTINUE TO FLY AFTER "COLUMBIA"

713

00:39:25,750 --> 00:39:28,300

AND THEN FLY EFFECTIVELY AND  
SAFELY EVEN WHILE THE PROGRAM

714

00:39:28,300 --> 00:39:31,870

WAS BEING PLANNED FOR COMPLETION  
AND SHUT DOWN, YOU KEPT IT

715

00:39:33,870 --> 00:39:32,870

GOING.

716

00:39:33,870 --> 00:39:35,920

YOU TRAINED A LOT OF PEOPLE WHO  
ARE LEADERS ELSEWHERE ACROSS

717

00:39:35,920 --> 00:39:37,030

NASA.

718

00:39:37,030 --> 00:39:39,900

DISTINGUISHED SERVICE MEDAL SAYS  
IT ALL.

719

00:39:39,900 --> 00:39:43,590

YOU'RE A VALUABLE ASSET TO THE  
AGENCY, WE'RE LOOKING FORWARD TO

720

00:39:43,590 --> 00:39:46,809

WORKING WITH YOU EVEN IN YOUR  
NEW ROLE.

721

00:39:46,809 --> 00:39:47,809

>> MR.

722

00:39:47,809 --> 00:39:56,290

CAIN?

723

00:39:56,290 --> 00:39:57,290

MR.

724

00:39:57,290 --> 00:39:59,690

CAIN IS BEING HONORED FOR  
OUTSTANDING CONTRIBUTIONS TO THE

725

00:39:59,690 --> 00:40:02,520

NATION'S HUMAN SPACE FLIGHT  
ENDEAVORS THROUGH A STELLAR

726

00:40:02,520 --> 00:40:06,320

CAREER IN NASA'S SPACE SHUTTLE  
INTERNATIONAL SPACE STATION AND

727

00:40:06,320 --> 00:40:20,210

EXPLORATION SYSTEMS DEVELOPMENT  
PROGRAM.

728

00:40:20,210 --> 00:40:33,619

[†APPLAUSE†]

OUR NEXT HONOREE IS DR.

729

00:40:33,619 --> 00:40:35,440

RAYMOND  
CLINTON JR.

730

00:40:35,440 --> 00:40:36,440

>> DR.

731

00:40:36,440 --> 00:40:40,450

CLINTON IS ABSOLUTELY A  
PIONEER IN THE AREA OF ADVANCED

732

00:40:40,450 --> 00:40:43,670

MANUFACTURING, AND ADDITIVE  
CONSTRUCTION.

733

00:40:43,670 --> 00:40:49,530

HE HAS PERSONALLY LED THAT FIELD  
AND AREA AND AT ONE TIME WHEN WE

734

00:40:49,530 --> 00:40:54,330

HAD REALLY NOTHING TO SHOW IN  
THAT ARENA, TOOK AN IDEA OF

735

00:40:54,330 --> 00:40:58,190

PRINTING A PART IN SPACE ON A  
3-D PRINTER AND TOOK IT FROM AN

736

00:40:58,190 --> 00:41:01,680

SBIR PROGRAM TO FRUITION WHERE  
WE PRINTED A PART ON THE

737

00:41:01,680 --> 00:41:03,630

INTERNATIONAL SPACE STATION THIS  
PAST YEAR.

738

00:41:03,630 --> 00:41:05,010

IT'S AN AMAZING ACCOMPLISHMENT.

739

00:41:05,010 --> 00:41:09,870

HE WORKED CLOSELY WITH THE ARMY  
ON A CONCEPT TO BUILD STRUCTURES

740

00:41:09,870 --> 00:41:12,740

ON ANOTHER PLANETARY BODY.

741

00:41:12,740 --> 00:41:15,760

WE'RE DOING THAT IN COOPERATION  
WITH THE UNITED STATES ARMY

742

00:41:15,760 --> 00:41:19,160

CORPS OF ENGINEERS, ANOTHER  
EXAMPLE OF WHERE HE TOOK

743

00:41:19,160 --> 00:41:22,840

SOMETHING THAT REALLY WASN'T  
GOING ANYWHERE, AND HAS TURNED

744

00:41:22,840 --> 00:41:26,670

IT INTO A MAJOR ACTIVITY AND  
PARTNERSHIP WITH ANOTHER

745

00:41:26,670 --> 00:41:29,460

ORGANIZATION.

746

00:41:29,460 --> 00:41:32,250

>> DR.

747

00:41:32,250 --> 00:41:35,040

CLINTON?

748

00:41:35,040 --> 00:41:40,620

[†APPLAUSE†]

DR.

749

00:41:40,620 --> 00:41:43,940

CLINTON IS BEING HONORED FOR  
SUSTAINED EXEMPLARY SERVICE AND

750

00:41:43,940 --> 00:41:47,500

LEADERSHIP OF ALMOST 30 YEARS  
CONTRIBUTING TO NASA'S

751

00:41:47,500 --> 00:41:51,020

SCIENTIFIC UNDERSTANDING OF THE  
EARTH AND THE UNIVERSE IN WHICH

752

00:41:51,020 --> 00:42:01,390

WE LIVE.

753

00:42:01,390 --> 00:42:07,970

[†APPLAUSE†]

OUR NEXT HONOREE IS MR.

754

00:42:07,970 --> 00:42:10,450

DANIEL  
DUMBACHER.

755

00:42:10,450 --> 00:42:16,250

>> DAN'S 36-YEAR CAREER HAS  
DEMONSTRATED EXCELLENCE.

756

00:42:16,250 --> 00:42:22,550

HIS ABILITY TO LEAD AND PROVIDE  
GUIDANCE IN COMPLEX SYSTEMS

757

00:42:22,550 --> 00:42:26,289

DEVELOPMENT EFFORTS IS VERY  
NOTEWORTHY.

758



00:42:26,289 --> 00:42:28,980  
MOST RECENTLY AS THE DEPUTY  
ASSISTANT ADMINISTRATION FOR

759

00:42:28,980 --> 00:42:34,760  
EXPLORATORY SYSTEMS DEVELOPMENT,  
HE LED THE SYSTEMS FOR

760

00:42:34,760 --> 00:42:37,340  
DEVELOPING THE FOUNDATIONAL  
CAPABILITIES FOR OUR JOURNEY TO

761

00:42:37,340 --> 00:42:38,950  
MARS.

762

00:42:38,950 --> 00:42:42,450  
DAN WAS ALSO THE ENGINEERING  
DIRECTOR AT MARSHALL SPACE

763

00:42:42,450 --> 00:42:46,921  
FLIGHT CENTER, AND THE DEPUTY  
DIRECTOR FOR THE SAFETY OF

764

00:42:46,921 --> 00:42:48,230  
MISSION ASSURANCE.

765

00:42:48,230 --> 00:42:52,330  
HE WAS ON NUMEROUS OTHER  
PROGRAMS AS EITHER THE MANAGER

766

00:42:52,330 --> 00:42:56,730  
OR THE DEPUTY, THINGS LIKE X-33,  
X-37.

767

00:42:56,730 --> 00:43:05,010  
DAN CLEARLY EARNED NASA'S  
DISTINGUISHED SERVICE MEDAL.

768

00:43:05,010 --> 00:43:10,480  
[†APPLAUSE†]

MR.

769

00:43:10,480 --> 00:43:14,880  
DUMBACHER IS BEING HONORED  
FOR DISTINGUISHED SERVICE AND

770

00:43:14,880 --> 00:43:18,320  
EXEMPLARY LEADERSHIP IN  
ENGINEERING AND MANAGEMENT THAT

771

00:43:18,320 --> 00:43:22,130  
IS CRUCIAL TO THE SUCCESS OF  
HUMAN EXPLORATION AND PIONEERING

772

00:43:22,130 --> 00:43:25,820  
OF OUR SOLAR SYSTEM.

773

00:43:25,820 --> 00:43:26,910  
OUR NEXT HONOREE IS MR.

774

00:43:26,910 --> 00:43:29,160  
CHARLES  
GAYE.

775

00:43:29,160 --> 00:43:31,980  
>> I WANT TO CONGRATULATE CHUCK  
GAYE.

776

00:43:31,980 --> 00:43:36,000  
CHUCK HAS BEEN A TREMENDOUS  
CONTRIBUTOR TO ALL THAT WE DO AT

777

00:43:36,000 --> 00:43:40,160  
NASA ESPECIALLY IN THE SCIENCE  
MISSION DIRECTORATE.

778

00:43:40,160 --> 00:43:44,500  
A BIT OF CHUCK IS EXPLORING THE  
UNIVERSE, EXPLORING THE SOLAR

779

00:43:44,500 --> 00:43:47,350

SYSTEM, THE SUN, THE EARTH WITH  
ALL OF THE WONDERFUL MISSIONS

780

00:43:47,350 --> 00:43:49,020

HE'S CONTRIBUTED TO.

781

00:43:49,020 --> 00:43:50,910

CONGRATULATIONS, CHUCK.

782

00:43:50,910 --> 00:43:56,240

THANK YOU VERY MUCH FOR YOUR  
SERVICE.

783

00:43:56,240 --> 00:44:00,300

[†APPLAUSE†]

>> MR.

784

00:44:00,300 --> 00:44:02,490

GAYE WHO ALSO COULD NOT  
BE WITH US TODAY, IS BEING

785

00:44:02,490 --> 00:44:06,210

HONORED FOR OUTSTANDING  
ACHIEVEMENT AND DISTINGUISHED

786

00:44:06,210 --> 00:44:09,460

SERVICE TO NASA AND THE NATION  
IN THE LEADERSHIP OF SPACE AND

787

00:44:09,460 --> 00:44:13,520

EARTH SCIENCE MISSIONS, AND FOR  
DEDICATION TO TEACHING THE NEXT

788

00:44:13,520 --> 00:44:16,680

GENERATION OF LEADERS SO THAT  
THEY, TOO, MAY SOME DAY BECOME

789

00:44:16,680 --> 00:44:20,329

GREAT LEADERS.

790

00:44:20,329 --> 00:44:21,670

>>> OUR NEXT HONOREE IS MR.

791

00:44:21,670 --> 00:44:23,849

MARK  
GUYER.

792

00:44:23,849 --> 00:44:26,050

>> MARK GUYER IS A VERY TALENTED  
LEADER, WHO HAS MADE

793

00:44:26,050 --> 00:44:29,230

EXTRAORDINARY CONTRIBUTIONS TO  
HUMAN SPACE FLIGHT THROUGHOUT

794

00:44:29,230 --> 00:44:31,470

HIS CAREER.

795

00:44:31,470 --> 00:44:34,540

SINCE 2007, HE'S BEEN THE ORION  
PROGRAM MANAGER.

796

00:44:34,540 --> 00:44:37,880

LEADING THE DEVELOPMENT OF ORION  
THROUGH THE HUGELY SUCCESSFUL

797

00:44:37,880 --> 00:44:42,450

EXPLORATION FLIGHT TEST ONE LAST  
DECEMBER AND CONTINUING STILL

798

00:44:42,450 --> 00:44:47,920

TOWARDS THE JOINT ORION SLS, EM  
1 MISSION IN A FEW YEARS.

799

00:44:47,920 --> 00:44:50,300

ONE OF MARK'S GREATEST  
LEADERSHIP ATTRIBUTES IS HIS

800

00:44:50,300 --> 00:44:54,750

ABILITY TO ATTRACT AND INSPIRE  
THE BEST AND BRIGHTEST PEOPLE.

801

00:44:54,750 --> 00:44:57,460

EVEN DURING TIMES OF CHALLENGE  
AND UNCERTAINTY.

802

00:44:57,460 --> 00:45:01,330

HIS THOUGHTFUL AND STEADY HAND  
IS AN INSPIRATION TO EVERYONE

803

00:45:01,330 --> 00:45:06,730

WHO WORKS WITH HIM.

804

00:45:06,730 --> 00:45:11,590

[†APPLAUSE†]  
MR.

805

00:45:11,590 --> 00:45:14,090

GUYER, WHO COULD NOT BE WITH  
US TODAY IS BEING HONORED FOR

806

00:45:14,090 --> 00:45:17,320

EXEMPLARY LEADERSHIP AND  
EXTRAORDINARY PERSONAL

807

00:45:17,320 --> 00:45:21,590

DEDICATION TO NASA'S MISSION AS  
DEMONSTRATED BY THE ORION

808

00:45:21,590 --> 00:45:27,320

PROGRAM SUCCESSFUL EXPLORATION  
FLIGHT TEST ONE.

809

00:45:27,320 --> 00:45:28,490

OUR NEXT HONOREE IS MR.

810

00:45:28,490 --> 00:45:29,490

WILLIAM  
HAYDEN.

811  
00:45:29,490 --> 00:45:30,490  
>> DR.

812  
00:45:30,490 --> 00:45:34,720  
HAYDEN HAS MADE NUMEROUS  
CONTRIBUTIONS TO MANY NASA

813  
00:45:34,720 --> 00:45:35,960  
PROGRAMS.

814  
00:45:35,960 --> 00:45:39,800  
HE'S BEEN A HUGE CONTRIBUTOR IN  
THE FIELD OF INSTRUMENT SYSTEMS.

815  
00:45:39,800 --> 00:45:43,680  
AND HAS WORKED ON EVERYTHING  
FROM THE CASSINI PROGRAM THROUGH

816  
00:45:43,680 --> 00:45:47,320  
THE JAMES WEBB SPACE TELESCOPE  
AND EARTH AND SPACE SCIENCE

817  
00:45:47,320 --> 00:45:48,320  
INSTRUMENTS.

818  
00:45:48,320 --> 00:45:49,320  
DR.

819  
00:45:49,320 --> 00:45:50,940  
HAYDEN IS ONE OF THOSE  
UNIQUE INDIVIDUALS WHO HAS BOTH

820  
00:45:50,940 --> 00:45:54,609  
THE INTEGRITY AND THE TECHNICAL  
BRILLIANCE TO UNDERSTAND MANY

821

00:45:54,609 --> 00:46:00,970  
DIFFERENT DISCIPLINES, HAS BEEN  
ABLE TO SEE THE BIG PICTURE,

822  
00:46:00,970 --> 00:46:04,860  
LEAD BIG TEAMS, AND HAS  
ACCOMPLISHED A HUGE AMOUNT ON

823  
00:46:04,860 --> 00:46:10,650  
MANY DIFFERENT NASA PROGRAMS  
OVER A VERY LONG AND INCREDIBLE

824  
00:46:10,650 --> 00:46:13,329  
CAREER.

825  
00:46:13,329 --> 00:46:16,000  
>> DR.

826  
00:46:16,000 --> 00:46:18,680  
HAYDEN?

827  
00:46:18,680 --> 00:46:24,030  
[†APPLAUSE†]  
DR.

828  
00:46:24,030 --> 00:46:27,450  
HAYDEN IS BEING HONORED FOR  
MORE THAN 35 YEARS OF SERVICE TO

829  
00:46:27,450 --> 00:46:28,770  
NASA.

830  
00:46:28,770 --> 00:46:32,750  
CONQUERING INTRICATE AND COMPLEX  
TECHNOLOGICAL CHALLENGES TO

831  
00:46:32,750 --> 00:46:44,560  
ADVANCE THE AGENCY'S SCIENCE  
GOALS.

832

00:46:44,560 --> 00:46:55,650

[†APPLAUSE†]

OUR NEXT HONOREE IS MR.

833

00:46:55,650 --> 00:46:57,060

PAUL

HILL.

834

00:46:57,060 --> 00:47:00,850

>> PAUL HILL HAS BEEN A LEADER  
OF CHANGE THROUGHOUT HIS CAREER

835

00:47:00,850 --> 00:47:04,930

AND PARTICULARLY AS DIRECTOR OF  
JSE'S MISSIONS OPERATION

836

00:47:04,930 --> 00:47:06,520

DIRECTORATE, M.O.D.

837

00:47:06,520 --> 00:47:09,619

IN THIS ROLE

HE TRANSFORMED THE TRAINING AND

838

00:47:09,619 --> 00:47:12,950

FLIGHT CONTROL MODEL.

839

00:47:12,950 --> 00:47:17,700

PAUL PLAYED A KEY ROLE IN THE  
"COLUMBIA" ACCIDENT

840

00:47:17,700 --> 00:47:21,160

INVESTIGATION AND WAS CHOSEN AS  
LEAD FLIGHT DIRECTOR FOR THE

841

00:47:21,160 --> 00:47:25,060

RETURN TO FLIGHT MISSION,  
STS-114.

842

00:47:25,060 --> 00:47:26,690



UNDER HIS LEADERSHIP, M.O.D.

843

00:47:26,690 --> 00:47:28,109

HAS  
BRILLIANTLY ADDRESSED

844

00:47:28,109 --> 00:47:31,580

IMNUMERABLE OPERATIONAL ISSUES  
AND CHALLENGES.

845

00:47:31,580 --> 00:47:34,530

PROTECTING CREW AND VEHICLE  
HEALTH, AND ALLOWING THE

846

00:47:34,530 --> 00:47:38,369

INTERNATIONAL SPACE STATION TO  
BE ASSEMBLED AND THEN UTILIZED

847

00:47:38,369 --> 00:47:41,550

IN SUPPORT OF SCIENCE,  
TECHNOLOGY AND EXPLORATION.

848

00:47:41,550 --> 00:47:44,760

HE EMBODIES THE ATTRIBUTES THAT  
M.O.D.

849

00:47:44,760 --> 00:47:50,820

VALUES, TOUGH AND  
COMPETENT.

850

00:47:50,820 --> 00:47:51,820

>> MR.

851

00:47:51,820 --> 00:47:53,540

HILL, WHO COULD NOT BE  
WITH US TODAY, IS BEING HONORED

852

00:47:53,540 --> 00:47:57,020

FOR DISTINGUISHED SERVICE IN  
DIRECTING MISSION OPERATIONS

853

00:47:57,020 --> 00:48:02,840

SUPPORT TO NASA'S SPACE FLIGHT  
MISSIONS.

854

00:48:02,840 --> 00:48:08,440

[†APPLAUSE†]

OUR NEXT HONOREE IS DR.

855

00:48:08,440 --> 00:48:09,749

ARTHUR  
HOWELL.

856

00:48:09,749 --> 00:48:10,890

>> DR.

857

00:48:10,890 --> 00:48:14,540

ARTHUR HOWELL TRULY MADE  
GPM GLOBAL BY DEVELOPING A

858

00:48:14,540 --> 00:48:16,690

WORLDWIDE SCIENCE TEAM.

859

00:48:16,690 --> 00:48:21,940

HIS DEATH IN NOVEMBER OF 2013,  
WAS JUST THREE MONTHS PRIOR TO

860

00:48:21,940 --> 00:48:22,940

LAUNCH.

861

00:48:22,940 --> 00:48:26,720

HIS PRESENCE, LEADERSHIP AND  
GENEROUS PERSONALITY AS WELL AS

862

00:48:26,720 --> 00:48:30,140

THE EXAMPLE HE SET ARE GREATLY  
MISSED.

863

00:48:30,140 --> 00:48:32,619

SCIENTISTS ALL OVER THE WORLD  
REMEMBER DR.

864

00:48:32,619 --> 00:48:36,970

HOWELL THROUGH HIS  
SUCCESSFUL GPM MISSION AND THEIR

865

00:48:36,970 --> 00:48:40,290

USE OF THE DATA FOR SCIENCE AND  
SOCIETY.

866

00:48:40,290 --> 00:48:43,920

HE INSISTED THAT GPM ADD  
ADDITIONAL INSTRUMENT

867

00:48:43,920 --> 00:48:47,430

CAPABILITIES SO THAT WE'RE ABLE  
TO MEASURE LIGHT RAIN RATES TO

868

00:48:47,430 --> 00:48:50,599

HEAVY RAIN RATES AND FALLING  
SNOW.

869

00:48:50,599 --> 00:48:55,450

HE ALSO INSISTED THAT THAT DATA  
BE PROVIDED IN REAL-TIME SO THAT

870

00:48:55,450 --> 00:48:59,280

SOCIETY CAN BETTER UNDERSTAND  
WATER RESOURCES, HURRICANES,

871

00:48:59,280 --> 00:49:04,630

FLOODS AND LANDSLIDES.

872

00:49:04,630 --> 00:49:05,630

>> MRS.

873

00:49:05,630 --> 00:49:07,590

SANDRA HOWELL WILL  
ACCEPT THIS HONOR ON BEHALF OF

874

00:49:07,590 --> 00:49:11,740  
HER LATE HUSBAND.

875

00:49:11,740 --> 00:49:18,870  
[†APPLAUSE†]  
DR.

876

00:49:18,870 --> 00:49:24,740  
HOWELL IS BEING HONORED FOR  
DISTINGUISHED SERVICE AND

877

00:49:24,740 --> 00:49:28,109  
STEADFAST LEADERSHIP IN  
ESTABLISHING THE GLOBAL

878

00:49:28,109 --> 00:49:31,470  
PRECIPITATION MEASUREMENT  
MISSION AS A SUCCESSFUL

879

00:49:31,470 --> 00:49:40,560  
INTERNATIONAL PROJECT FOR  
SCIENTIFIC AND SOCIETAL BENEFIT.

880

00:49:40,560 --> 00:49:47,390  
[†APPLAUSE†]  
OUR NEXT HONOREE IS MR.

881

00:49:47,390 --> 00:49:49,329  
THOMAS  
IRVINE.

882

00:49:49,329 --> 00:49:50,710  
>> MR.

883

00:49:50,710 --> 00:49:55,200  
IRVINE DESERVES THE  
AGENCY'S HIGHEST HONOR.

884

00:49:55,200 --> 00:49:59,480  
TOM HAS MADE OUTSTANDING  
CONTRIBUTIONS TO THE AGENCY AND

885  
00:49:59,480 --> 00:50:04,690  
NATION THROUGH HIS DISTINGUISHED  
NASA CAREER IN THE INTERNATIONAL

886  
00:50:04,690 --> 00:50:09,650  
SPACE STATION PROGRAM, FACILITY  
MANAGEMENT AND MOST RECENTLY AS

887  
00:50:09,650 --> 00:50:14,150  
DEPUTY ASSOCIATE ADMINISTRATOR  
IN AERONAUTICS RESEARCH MISSION

888  
00:50:14,150 --> 00:50:15,359  
DIRECTORATE.

889  
00:50:15,359 --> 00:50:19,869  
CONGRATULATIONS, THANKS FOR  
EVERYTHING YOU HAVE DONE, TOM.

890  
00:50:19,869 --> 00:50:21,780  
WELL DONE.

891  
00:50:21,780 --> 00:50:22,780  
MR.

892  
00:50:22,780 --> 00:50:26,820  
IRVINE, IS BEING HONORED FOR  
HIS OUTSTANDING SERVICE TO NASA

893  
00:50:26,820 --> 00:50:30,320  
AND THE NATION THROUGH HIS  
LEADERSHIP IN AERONAUTICS,

894  
00:50:30,320 --> 00:50:35,760  
FACILITY MANAGEMENT AND THE  
SPACE STATION.

895

00:50:35,760 --> 00:50:41,030

[†APPLAUSE†]

OUR NEXT HONOREE IS DR.

896

00:50:41,030 --> 00:50:43,319

GARY

JANS.

897

00:50:43,319 --> 00:50:46,720

>> I'M HAPPY TODAY TO HAVE THE  
OPPORTUNITY TO TALK ABOUT GARY

898

00:50:46,720 --> 00:50:47,720

JANS.

899

00:50:47,720 --> 00:50:50,750

AND THE WONDERFUL WORK HE'S BEEN  
DOING FOR NASA FOR THE LAST 30

900

00:50:50,750 --> 00:50:51,750

YEARS.

901

00:50:51,750 --> 00:50:53,940

HOWEVER I ONLY HAD THE  
OPPORTUNITY TO WORK WITH HIM FOR

902

00:50:53,940 --> 00:50:58,220

THE LAST EIGHT YEARS WHERE HE  
WAS THE HEAD OF THE SBIR/STIR

903

00:50:58,220 --> 00:50:59,750

PROGRAM.

904

00:50:59,750 --> 00:51:05,720

HE'S ABLE TO WORK CHALLENGES  
THAT SPAN THE ENTIRE AGENCY WITH

905

00:51:05,720 --> 00:51:10,810

GREAT INTEGRITY AND CIVILITY AND  
INSPIRATIONAL TO THOSE AROUND

906

00:51:10,810 --> 00:51:15,790

HIM WHO WORKED WITH HIM TO  
OVERCOME THE MANY CHALLENGES

907

00:51:15,790 --> 00:51:18,030

THAT THE PROGRAM PRESENTED.

908

00:51:18,030 --> 00:51:21,960

I'M REALLY HAPPY TO HAVE HAD THE  
OPPORTUNITY TO HAVE LEARNED FROM

909

00:51:21,960 --> 00:51:22,960

HIM.

910

00:51:22,960 --> 00:51:24,369

HE'S A GREAT MENTOR.

911

00:51:24,369 --> 00:51:28,030

AND I'M GLAD THAT HE'S BEING  
RECOGNIZED FOR THIS GREAT HONOR

912

00:51:28,030 --> 00:51:29,030

TODAY.

913

00:51:29,030 --> 00:51:30,030

>> DR.

914

00:51:30,030 --> 00:51:33,630

JANS, WHO COULD NOT BE  
WITH US TODAY, IS BEING HONORED

915

00:51:33,630 --> 00:51:37,190

FOR DISTINGUISHED SERVICE OVER A  
LIFETIME OF OUTSTANDING SERVICE

916

00:51:37,190 --> 00:51:41,090

AND TAKING PERSONAL INITIATIVE  
TO ENABLE GROUNDBREAKING NASA

917

00:51:41,090 --> 00:51:45,850  
MISSIONS AND PROGRAMS.

918

00:51:45,850 --> 00:51:50,640  
[†APPLAUSE†]  
OUR NEXT HONOREE IS MR.

919

00:51:50,640 --> 00:51:53,980  
CARL  
PRESTON JONES.

920

00:51:53,980 --> 00:51:56,240  
>> I'M CHRIS SINGER, ENGINEERING  
DIRECTOR AT MARSHALL SPACE

921

00:51:56,240 --> 00:51:57,240  
FLIGHT CENTER.

922

00:51:57,240 --> 00:51:59,850  
I'VE KNOWN PRESTON JONES FOR  
OVER 30 YEARS.

923

00:51:59,850 --> 00:52:03,270  
AS WIDE-EYED YOUNG ENGINEERS ON  
THE SPACE SHUTTLE PROGRAM WE

924

00:52:03,270 --> 00:52:06,420  
WORKED CLOSELY TOGETHER DOING  
SSME ANALYSIS.

925

00:52:06,420 --> 00:52:11,750  
WHILE HIS TECHNICAL SKILLS ARE  
TREMENDOUS, IT IS HIS LEADERSHIP

926

00:52:11,750 --> 00:52:15,690  
SKILLS THAT DISTINGUISH HIM  
AMONG NASA.



927

00:52:15,690 --> 00:52:19,320

HE HAS THE UNIQUE ABILITY TO  
LISTEN, WITHOUT THE DESIRE TO

928

00:52:19,320 --> 00:52:21,460

RESPOND IMMEDIATELY.

929

00:52:21,460 --> 00:52:23,700

SO HE IS TRULY UNDERSTANDING.

930

00:52:23,700 --> 00:52:27,410

IT IS THAT SKILL AND HIS ABILITY  
TO HUMBLY ASK DIFFICULT

931

00:52:27,410 --> 00:52:32,050

QUESTIONS THAT MAKE HIM UNIQUE  
AND PEOPLE WANT TO TALK TO HIM.

932

00:52:32,050 --> 00:52:34,880

HE HAS BEEN A TREMENDOUS ASSET  
TOWARDS THE NATION'S SPACE

933

00:52:34,880 --> 00:52:37,960

PROGRAM AND WILL CONTINUE TO  
HELP SET THE ENVIRONMENT AND THE

934

00:52:37,960 --> 00:52:40,570

TO BE THE TONE FOR THE DEVELOPMENT OF  
SPACE LAUNCH SYSTEM.

935

00:52:40,570 --> 00:52:45,210

IT IS AN HONOR TO WORK WITH HIM  
AND I'M BLESSED TO CALL HIM MY

936

00:52:45,210 --> 00:52:46,210

FRIEND.

937

00:52:46,210 --> 00:52:47,210

>> MR.

938

00:52:47,210 --> 00:52:51,390

JONES?

939

00:52:51,390 --> 00:52:56,580

[†APPLAUSE†]

MR.

940

00:52:56,580 --> 00:52:59,820

JONES IS BEING HONORED FOR  
EXTRAORDINARY AND DISTINGUISHED

941

00:52:59,820 --> 00:53:03,151

LEADERSHIP SERVICE IN THE  
DEVELOPMENT OF NASA'S HUMAN

942

00:53:03,151 --> 00:53:11,750

SPACE FLIGHT MISSIONS AND  
PROGRAMS.

943

00:53:11,750 --> 00:53:19,750

[†APPLAUSE†]

OUR NEXT HONOREE IS MR.

944

00:53:19,750 --> 00:53:21,930

RICHARD  
KEAGAN JR.

945

00:53:21,930 --> 00:53:25,430

>> HI, IT'S MY DISTINCT HONOR  
AND PRIVILEGE, ACTUALLY A

946

00:53:25,430 --> 00:53:28,890

PLEASURE FOR ME TO HAVE  
NOMINATED RICK KEAGAN FOR THE

947

00:53:28,890 --> 00:53:31,980

NASA DISTINGUISHED SERVICE  
AWARD.

948

00:53:31,980 --> 00:53:34,941

HE HAS BEEN AN ABSOLUTELY  
INCREDIBLE ASSET TO THE AGENCY

949

00:53:34,941 --> 00:53:37,099

THROUGHOUT HIS INCREDIBLE  
CAREER.

950

00:53:37,099 --> 00:53:41,890

BUT MOST NOTABLY RECENTLY WHEN  
HE SERVED THE DUAL CAPACITY AS

951

00:53:41,890 --> 00:53:45,670

THE ASSISTANT DEPUTY  
ADMINISTRATOR AND THE ASSOCIATE

952

00:53:45,670 --> 00:53:48,100

ADMINISTRATOR FOR THE MISSION  
SUPPORT DIRECTORATE.

953

00:53:48,100 --> 00:53:51,760

BUT I THINK WHAT WE'RE ALL MOST  
PROUD ABOUT, AND I THINK THAT

954

00:53:51,760 --> 00:53:55,880

RICK WILL PROBABLY CHERISH, I  
KNOW HE HAS LEFT HIS MARK ON HIS

955

00:53:55,880 --> 00:54:00,030

MENTORSHIP AND HIS LEADERSHIP  
WITH OUR THREE CAREERED

956

00:54:00,030 --> 00:54:01,760

LEADERSHIP DEVELOPMENT PROGRAMS.

957

00:54:01,760 --> 00:54:06,530

THOSE BEING FIRST, MLLP, AND  
SES†CDP.

958

00:54:06,530 --> 00:54:11,230

HE WAS ALSO A PRIME MOVER IN THE  
ESTABLISHMENT OF THE PROGRAM

959

00:54:11,230 --> 00:54:12,740

CALLED LASER.

960

00:54:12,740 --> 00:54:19,970

RICK, IT'S MY PRIVILEGE TO HAVE  
NOMINATED FOUR THIS GREAT AWARD.

961

00:54:19,970 --> 00:54:20,970

>> MR.

962

00:54:20,970 --> 00:54:22,550

KEAGAN, WHO COULD NOT BE  
WITH US TODAY, IS BEING HONORED

963

00:54:22,550 --> 00:54:26,100

FOR A CAREER OF OUTSTANDING  
LEADERSHIP, DISTINGUISHED

964

00:54:26,100 --> 00:54:29,030

SERVICE AND CONTRIBUTIONS IN  
SUPPORT OF THE NATION'S SPACE

965

00:54:29,030 --> 00:54:39,570

PROGRAM AND NASA'S MISSION.

966

00:54:39,570 --> 00:54:41,000

OUR NEXT HONOREE IS DR.

967

00:54:41,000 --> 00:54:42,810

WILLIAM  
COE.

968

00:54:42,810 --> 00:54:44,410

>> DR.

969

00:54:44,410 --> 00:54:46,831

WILLIAM COE IS DESERVING  
OF 9 NASA DISTINGUISHED SERVICE

970

00:54:46,831 --> 00:54:49,520

MEDAL DUE TO HIS LIFETIME OF  
WORK.

971

00:54:49,520 --> 00:54:52,730

NEARLY 40 YEARS WITH THE AGENCY,  
HE'S BEEN A LEAD IN THE

972

00:54:52,730 --> 00:54:56,390

COMPUTATIONAL AND ANALYTICAL  
WORK IN SOLID MECHANICS.

973

00:54:56,390 --> 00:55:00,750

THE SUCCESSES OF HIS WORK LED TO  
NASA'S SUCCESS IN SPACE SHUTTLE

974

00:55:00,750 --> 00:55:04,920

FLIGHT, SPACE FLIGHT,  
ATMOSPHERIC FLIGHT.

975

00:55:04,920 --> 00:55:07,790

HIS WORK HAS BEEN GREATLY  
INFLUENTIAL IN THE AUTOMOTIVE

976

00:55:07,790 --> 00:55:10,440

AND INDUSTRIAL AREAS AS WELL FOR  
THE COUNTRY.

977

00:55:10,440 --> 00:55:11,440

DR.

978

00:55:11,440 --> 00:55:13,630

WILLIAM COE IS VERY  
DESERVING OF THE NATIONAL

979

00:55:13,630 --> 00:55:16,040  
DISTINGUISHED SERVICE MEDAL.

980  
00:55:16,040 --> 00:55:17,780  
>> DR.

981  
00:55:17,780 --> 00:55:22,060  
COE, IS BEING HONORED FOR  
A DIVERSE AND SUSTAINED

982  
00:55:22,060 --> 00:55:25,180  
DISTINGUISHED ENGINEERING  
ACHIEVEMENT AS A SENIOR

983  
00:55:25,180 --> 00:55:34,690  
STRUCTURAL MECHANICS RESEARCHER.

984  
00:55:34,690 --> 00:55:37,440  
OUR NEXT HONOREE IS AMANDA  
MISCAKAVICH.

985  
00:55:37,440 --> 00:55:43,550  
>> I BELIEVE AMANDA IS GETTING  
THE MEDAL BECAUSE LSP IS SEEN AS

986  
00:55:43,550 --> 00:55:46,580  
THE LEADER IN LAUNCH SERVICES.

987  
00:55:46,580 --> 00:55:51,480  
LSP IS NOW RECOGNIZED IN  
COMMERCIAL LAUNCH SERVICES FOR

988  
00:55:51,480 --> 00:55:56,060  
THE AGENCY, NOT ONLY DOES EVERY  
SCIENCE AND ROBOTIC MISSION

989  
00:55:56,060 --> 00:55:59,550  
BENEFIT FROM THE EXPERTISE IN  
LAUNCH SERVICES PROGRAM, BUT OUR

990

00:55:59,550 --> 00:56:03,240

COMMERCIAL CREW, COMMERCIAL  
RESUPPLY TO THE STATION BENEFIT

991

00:56:03,240 --> 00:56:07,130

SINCE WE'RE FLYING SIMILAR  
COMMERCIAL LAUNCH VEHICLES.

992

00:56:07,130 --> 00:56:10,550

WE ALSO PROVIDE ADVISORY  
SERVICES TO EFT-1.

993

00:56:10,550 --> 00:56:16,349

THAT'S A BIG SWATH ACROSS THE  
AGENCY, AND IT'S REALLY THROUGH

994

00:56:16,349 --> 00:56:20,510

HER LEADERSHIP THAT THIS PROGRAM  
HAS GROWN AND SHE'S DEVELOPED

995

00:56:20,510 --> 00:56:27,910

THESE EXCELLENT PARTNERSHIPS.

996

00:56:27,910 --> 00:56:31,510

>> MS.

997

00:56:31,510 --> 00:56:35,110

MISKAVICH?

998

00:56:35,110 --> 00:56:40,290

[†APPLAUSE†]

AMANDA IS BEING HONORED FOR

999

00:56:40,290 --> 00:56:44,089

DISTINGUISHED AND EXEMPLARY  
SERVICE IN ESTABLISHING THE

1000

00:56:44,089 --> 00:56:47,620

LAUNCH SERVICES PROGRAM AS THE

## LEADER IN COMMERCIAL LAUNCH

1001

00:56:47,620 --> 00:56:57,210  
SERVICES FOR THE AGENCY.

1002

00:56:57,210 --> 00:57:06,240  
[†APPLAUSE†]  
OUR NEXT HONOREE IS MR.

1003

00:57:06,240 --> 00:57:07,410  
SAMUEL  
PLANICA.

1004

00:57:07,410 --> 00:57:13,520  
>> SAM STARTED OVER 36 YEARS AGO  
AS A CO-OP PROGRAM.

1005

00:57:13,520 --> 00:57:18,970  
THERE'S NOT A MISSION THAT HAS  
COME THROUGH GODDARD THAT SAM

1006

00:57:18,970 --> 00:57:23,000  
HASN'T HAD SOME POSITIVE IMPACT  
ON, EITHER THROUGH LEADING THEM

1007

00:57:23,000 --> 00:57:25,770  
OR PARTICIPATING IN THEM OR  
THROUGH REVIEW CAPACITY.

1008

00:57:25,770 --> 00:57:28,940  
ONCE THE SATELLITES ARE IN  
ORBIT, IF ANYTHING GOES WRONG

1009

00:57:28,940 --> 00:57:32,150  
WITH THEM, HE'S ONE OF THE FIRST  
PEOPLE WE CALL TO TRY TO FIX

1010

00:57:32,150 --> 00:57:33,150  
THEM.



1011

00:57:33,150 --> 00:57:35,380

OVER THE YEARS SINCE SAM HAS  
BEEN HERE, THERE HAVE PROBABLY

1012

00:57:35,380 --> 00:57:39,100

BEEN 30, 40, 50 MORE ENGINEERS  
THAT HAVE COME THROUGH OUR

1013

00:57:39,100 --> 00:57:40,570

GROUP.

1014

00:57:40,570 --> 00:57:43,210

THROUGH HIS POSITIVE EXAMPLE TO  
OTHER EMPLOYEES AND HIS

1015

00:57:43,210 --> 00:57:47,160

MENTORSHIP, SAM HAS REALLY  
IMPROVED THE BRANCH JUST THROUGH

1016

00:57:47,160 --> 00:57:50,210

HIS VERY PRESENCE.

1017

00:57:50,210 --> 00:57:51,210

>> MR.

1018

00:57:51,210 --> 00:57:53,290

PLACANIKA?

1019

00:57:53,290 --> 00:58:03,070

[†APPLAUSE†]

SAM IS BEING HONORED FOR A LONG

1020

00:58:03,070 --> 00:58:07,270

AND SUCCESSFUL CAREER ENABLING  
NASA MISSIONS AS AN ATTITUDE

1021

00:58:07,270 --> 00:58:17,400

CONTROL SYSTEM ANALYST, LEAD  
ENGINEER, AND SATELLITE DOCTOR.

1022

00:58:17,400 --> 00:58:25,480

[†APPLAUSE†]

OUR NEXT HONOREE IS DR.

1023

00:58:25,480 --> 00:58:26,660

ELIZABETH ROBINSON.

1024

00:58:26,660 --> 00:58:31,930

>> HI, IT'S MY PRIVILEGE TODAY  
TO NOMINATE DR.

1025

00:58:31,930 --> 00:58:34,230

BETH ROBINSON  
FOR THE NASA DISTINGUISHED

1026

00:58:34,230 --> 00:58:35,230

SERVICE MEDAL.

1027

00:58:35,230 --> 00:58:38,060

AND I HAD THE PRIVILEGE OF  
WORKING WITH BETH DURING HER

1028

00:58:38,060 --> 00:58:41,440

ENTIRE TENURE HERE AS THE NASA  
CHIEF FINANCIAL OFFICER.

1029

00:58:41,440 --> 00:58:43,970

SHE WAS VERY INSTRUMENTAL IN  
GETTING US THROUGH A DIFFICULT

1030

00:58:43,970 --> 00:58:49,660

TIME, A PERIOD OF SEQUESTRATION  
AND A GOVERNMENT SHUTDOWN.

1031

00:58:49,660 --> 00:58:52,880

BUT MOST NOTABLY I CREDIT HER  
WITH BEING THE CHIEF PERSON

1032

00:58:52,880 --> 00:58:56,430  
RESPONSIBLE FOR NASA GETTING A  
CLEAN AUDIT FOR THE FIRST TIME

1033  
00:58:56,430 --> 00:58:59,849  
SINCE 2002, WHEN WE GOT IT IN  
2010.

1034  
00:58:59,849 --> 00:59:03,760  
BUT MOST IMPORTANTLY WHEN WE GOT  
THE GOLD STANDARD, AN

1035  
00:59:03,760 --> 00:59:06,920  
UNQUALIFIED AUDIT IN 2011.

1036  
00:59:06,920 --> 00:59:09,349  
BETH THIS IS A TRIBUTE TO YOU.

1037  
00:59:09,349 --> 00:59:10,440  
THIS IS HIGHLY DESERVED.

1038  
00:59:10,440 --> 00:59:14,440  
IT WAS MY PLEASURE TO NOMINATE  
YOU FOR THIS AWARD.

1039  
00:59:14,440 --> 00:59:15,480  
>> DR.

1040  
00:59:15,480 --> 00:59:18,650  
ROBINSON, WHO WOULD NOT  
BE WITH US TODAY, IS BEING

1041  
00:59:18,650 --> 00:59:22,650  
HONORED FOR EXTRAORDINARY  
CONTRIBUTIONS, DISTINGUISHED

1042  
00:59:22,650 --> 00:59:25,400  
SERVICE AND OUTSTANDING  
LEADERSHIP IN SUPPORT OF THE

1043

00:59:25,400 --> 00:59:31,089

NATION'S SPACE AGENCY AND NASA'S  
MISSION.

1044

00:59:31,089 --> 00:59:36,150

[†APPLAUSE†]

OUR NEXT HONOREE IS DR.

1045

00:59:36,150 --> 00:59:38,370

KEVIN  
SHEPHERD.

1046

00:59:38,370 --> 00:59:42,980

>> KEVIN IS A NATIONALLY  
RECOGNIZED EXPERT IN AIRCRAFT

1047

00:59:42,980 --> 00:59:48,359

SYSTEMS AND HE'S HIGHLY  
DESERVING OF THE NASA

1048

00:59:48,359 --> 00:59:50,950

DISTINGUISHED SERVICE MEDAL.

1049

00:59:50,950 --> 00:59:59,960

HIS LASTING CONTRIBUTIONS  
FOR

1050

00:59:59,960 --> 01:00:03,560

THE PAST 35 YEARS SIGNIFICANTLY  
IMPROVE THE QUALITY OF LIFE FOR

1051

01:00:03,560 --> 01:00:04,560

THE AMERICAN PUBLIC.

1052

01:00:04,560 --> 01:00:08,490

THE IMPACT OF HIS QUALIFICATIONS  
AND CONTRIBUTIONS ARE

1053

01:00:08,490 --> 01:00:11,609

EXEMPLIFIED BY HIS ENDURING  
MEMBERSHIP ON THE AGENCY

1054

01:00:11,609 --> 01:00:16,200

COMMITTEE FOR AIRCRAFT  
ACOUSTICS.

1055

01:00:16,200 --> 01:00:19,099

>> DR.

1056

01:00:19,099 --> 01:00:21,990

SHEPHERD?

1057

01:00:21,990 --> 01:00:27,780

[†APPLAUSE†]

DR.

1058

01:00:27,780 --> 01:00:30,510

SHEPHERD IS BEING HONORED  
FOR SUSTAINED EXCELLENCE IN

1059

01:00:30,510 --> 01:00:41,520

OUTSTANDING CONTRIBUTION TO THE  
AGENCY'S ACOUSTIC PROGRAMS.

1060

01:00:41,520 --> 01:00:50,080

[†APPLAUSE†]

OUR NEXT HONOREE IS MR.

1061

01:00:50,080 --> 01:00:52,819

SCOTT  
WILSON.

1062

01:00:52,819 --> 01:00:55,890

>> SCOTT WILSON HAD A REALLY  
UNIQUE ROLE IN THE EXPLORATION

1063

01:00:55,890 --> 01:00:57,360

TEST FLIGHT ONE MISSION.

1064

01:00:57,360 --> 01:01:02,190

HE WORKED FOR USGO PROGRAM AND  
THE ORION PROGRAM AND WAS

1065

01:01:02,190 --> 01:01:05,620

RESPONSIBLE FOR THE PRODUCTION  
AND MANUFACTURING OF THE

1066

01:01:05,620 --> 01:01:09,290

SPACECRAFT WHICH WENT ACROSS  
MULTIPLE CENTERS.

1067

01:01:09,290 --> 01:01:13,650

HE WAS ALSO RESPONSIBLE FOR THE  
SERVICING AND ULTIMATE RECOVERY

1068

01:01:13,650 --> 01:01:14,869

OF THE SPACECRAFT.

1069

01:01:14,869 --> 01:01:18,670

WITH ANY FLIGHT TEST DEVELOPMENT  
PROGRAM THERE ARE A NUMBER OF

1070

01:01:18,670 --> 01:01:19,670

CHALLENGES.

1071

01:01:19,670 --> 01:01:22,240

SCOTT REALLY KEPT HIS TEAM  
FOCUSED.

1072

01:01:22,240 --> 01:01:25,910

I THINK THE LAUNCH IN DECEMBER  
WHICH REENERGIZED OUR AGENCY AND

1073

01:01:25,910 --> 01:01:29,890

THE NATION, HIS LEADERSHIP WAS  
DIRECTLY A BIG CONTRIBUTION TO

1074

01:01:29,890 --> 01:01:30,890

THAT.

1075

01:01:30,890 --> 01:01:32,980  
SO, IT IS WITH A LOT OF PRIDE  
THAT WE JOINED WITH THE ORION

1076

01:01:32,980 --> 01:01:42,170  
PROGRAM TEAM TO GIVE HIM THIS  
AWARD.

1077

01:01:42,170 --> 01:01:44,350  
WE WANT TO THANK SCOTT FOR  
EVERYTHING HE DOES.

1078

01:01:44,350 --> 01:01:48,619  
HE COULDN'T DESERVE THIS MORE.

1079

01:01:48,619 --> 01:01:51,849  
>> MR.

1080

01:01:51,849 --> 01:01:55,070  
WILSON?

1081

01:01:55,070 --> 01:01:58,530  
[†APPLAUSE†]  
MR.

1082

01:01:58,530 --> 01:02:01,520  
WILSON IS BEING HONORED FOR  
CONTINUED DISTINGUISHED SERVICE

1083

01:02:01,520 --> 01:02:04,130  
OVER SEVERAL YEARS PROVIDING  
OUTSTANDING PRODUCTION

1084

01:02:04,130 --> 01:02:07,650  
OPERATIONS MANAGEMENT FOR THE  
SUCCESS OF THE EXPLORATION

1085

01:02:07,650 --> 01:02:15,630  
FLIGHT TEST ONE LAUNCH.

1086  
01:02:15,630 --> 01:02:23,840  
[†APPLAUSE†]  
OUR NEXT HONOREE IS DR.

1087  
01:02:23,840 --> 01:02:25,780  
WILLIAM  
WINFREY.

1088  
01:02:25,780 --> 01:02:27,320  
>> DR.

1089  
01:02:27,320 --> 01:02:30,580  
WINFREY IS DESERVING  
BECAUSE HE'S EXTREMELY TALENTED,

1090  
01:02:30,580 --> 01:02:34,920  
HE'S DEDICATED, AND HE'S SHOWN  
LEADERSHIP IN THE AREA OF

1091  
01:02:34,920 --> 01:02:38,950  
NONDESTRUCTIVE EVALUATION TO  
ENSURE INTEGRITY OF AIRCRAFT AND

1092  
01:02:38,950 --> 01:02:39,950  
SPACECRAFT.

1093  
01:02:39,950 --> 01:02:42,820  
HE DEMONSTRATED THIS SEVERAL  
TIMES DURING HIS CAREER.

1094  
01:02:42,820 --> 01:02:46,380  
WHEN THE AMERICAN AIRLINES CRASH  
DUE TO TAIL ASSEMBLY FAIL AREAS

1095  
01:02:46,380 --> 01:02:49,530  
OVER LONG BEACH YEARS AGO, HE  
LED A TEAM OF SCIENTISTS TO



1096

01:02:49,530 --> 01:02:52,859

DETERMINE IT WASN'T THE  
COMPOSITE STRUCTURES THAT CAUSED

1097

01:02:52,859 --> 01:02:56,240

THAT PROBLEM, WHEN THE  
"COLUMBIA" ACCIDENT

1098

01:02:56,240 --> 01:02:59,920

INVESTIGATION BOARD SOLICITED  
SCIENTISTS, BILL WAS SOLICITED

1099

01:02:59,920 --> 01:03:04,130

AND DEDICATED SIX MONTHS OF 60  
TO 70-HOUR WEEKS DEPLOYED FROM

1100

01:03:04,130 --> 01:03:09,080

HIS FAMILY TO KENNEDY TO HELP  
CONFIRM ROOT CAUSES OF WHAT

1101

01:03:09,080 --> 01:03:16,630

CAUSED THE LEADING EDGE DISTINCT  
GRAGS AND TO INSPECT FOAM AND TO

1102

01:03:16,630 --> 01:03:21,119

PREVENT FURTHER DAMAGE TO THE  
SHUTTLE LEADING EDGE.

1103

01:03:21,119 --> 01:03:24,020

BILL'S ALSO BEEN A BRANCH LEAD  
TO LEAD SCIENTISTS AND DEVELOP

1104

01:03:24,020 --> 01:03:26,260

NEW PEOPLE TO FOLLOW IN HIS  
FOOTSTEPS.

1105

01:03:26,260 --> 01:03:29,510

HE'S A WONDERFUL PERSON TO WORK  
WITH WITH IT'S A PLEASURE TO

1106  
01:03:29,510 --> 01:03:33,450  
RECOGNIZE HIM.

1107  
01:03:33,450 --> 01:03:36,910  
>> DR.

1108  
01:03:36,910 --> 01:03:40,369  
WINFREY?

1109  
01:03:40,369 --> 01:03:43,839  
>> DR.

1110  
01:03:43,839 --> 01:03:46,760  
WINFREY IS BEING HONORED  
FOR CAREER SPANNING STRUCTURAL

1111  
01:03:46,760 --> 01:03:51,030  
INTEGRITY CONTRIBUTIONS TO NASA  
AND OTHER FEDERAL AND INDUSTRY

1112  
01:03:51,030 --> 01:03:59,740  
SPACE LAUNCH AND AVIATION  
SYSTEMS.

1113  
01:03:59,740 --> 01:04:08,920  
[†APPLAUSE†]  
OUR FINAL HONOREE IS DR.

1114  
01:04:08,920 --> 01:04:11,270  
LAWRENCE YOUNG.

1115  
01:04:11,270 --> 01:04:14,050  
>> LARRY YOUNG IS A PHYSICIST  
AND TECHNOLOGIST WHO HAS WORKED

1116  
01:04:14,050 --> 01:04:16,860  
AT JPL FOR MORE THAN 30 YEARS.

1117

01:04:16,860 --> 01:04:20,000

HE'S MOST WELL KNOWN FOR  
PIONEERING A NEW TYPE OF GPS

1118

01:04:20,000 --> 01:04:23,829

FLIGHT RECEIVER THAT PRODUCED  
MEASUREMENTS MUCH MORE ACCURATE

1119

01:04:23,829 --> 01:04:26,980

THAN ANYTHING ANYONE HAD  
ENVISIONED OR BEEN ABLE TO DO

1120

01:04:26,980 --> 01:04:27,980

BEFORE.

1121

01:04:27,980 --> 01:04:31,880

THESE ARE GPS RECEIVERS THAT WE  
PUT ON BOARD SATELLITES.

1122

01:04:31,880 --> 01:04:35,650

FROM SPACE THESE SATELLITES CAN  
MEASURE CHANGE IN THE OCEAN

1123

01:04:35,650 --> 01:04:36,760

HEIGHT.

1124

01:04:36,760 --> 01:04:40,099

AS THE OCEAN WARMS DUE TO  
CLIMATE CHANGE, THE OCEAN HEIGHT

1125

01:04:40,099 --> 01:04:43,520

RISES, AND WE CAN DEPICT THIS  
WITH HIGH ACCURACY NOW, LESS

1126

01:04:43,520 --> 01:04:47,430

THAN A CENTIMETER ERROR IN THE  
HEIGHT DETERMINATION.

1127

01:04:47,430 --> 01:04:49,720

THESE ARE AMONG THE MOST  
IMPORTANT MEASUREMENTS THAT NASA

1128

01:04:49,720 --> 01:04:52,780  
HAS CONTRIBUTED TO SOCIETY AND  
TO THE INTERNATIONAL COMMUNITY

1129

01:04:52,780 --> 01:04:54,910  
OVER THE PAST DECADE.

1130

01:04:54,910 --> 01:04:55,970  
>> DR.

1131

01:04:55,970 --> 01:04:59,150  
YOUNG, WHO COULD NOT BE  
WITH US TODAY, IS BEING HONORED

1132

01:04:59,150 --> 01:05:03,420  
FOR EXTRAORDINARY AND PARADIGM  
CHANGING CONTRIBUTIONS TO NEW

1133

01:05:03,420 --> 01:05:07,859  
GPS TECHNOLOGIES WITH  
TRANSFORMATIONAL IMPACTS ON NASA

1134

01:05:07,859 --> 01:05:13,500  
LED ADVANCEMENTS IN EARTH  
SCIENCE.

1135

01:05:13,500 --> 01:05:18,620  
[†APPLAUSE†]  
OUR SECOND AND FINAL

1136

01:05:18,620 --> 01:05:21,900  
PRESENTATION IS THE  
DISTINGUISHED PUBLIC SERVICE

1137

01:05:21,900 --> 01:05:23,119  
MEDAL.

1138

01:05:23,119 --> 01:05:26,250

THIS IS NASA'S HIGHEST FORM OF  
RECOGNITION THAT IS AWARDED TO

1139

01:05:26,250 --> 01:05:30,420

ANY NONGOVERNMENT INDIVIDUAL OR  
TO AN INDIVIDUAL WHO IS NOT A

1140

01:05:30,420 --> 01:05:33,980

GOVERNMENT EMPLOYEE DURING THE  
PERIOD IN WHICH THE SERVICE WAS

1141

01:05:33,980 --> 01:05:34,980

PERFORMED.

1142

01:05:34,980 --> 01:05:38,170

WHOSE DISTINGUISHED SERVICE,  
ABILITY OR VISION HAS PERSONALLY

1143

01:05:38,170 --> 01:05:41,369

CONTRIBUTED TO NASA'S  
ADVANCEMENT OF UNITED STATES

1144

01:05:41,369 --> 01:05:42,810

INTERESTS.

1145

01:05:42,810 --> 01:05:46,050

THE INDIVIDUAL'S ACHIEVEMENT OR  
CONTRIBUTION MUST DEMONSTRATE A

1146

01:05:46,050 --> 01:05:49,550

LEVEL OF EXCELLENCE THAT HAS  
MADE A PROFOUND OR INDELIBLE

1147

01:05:49,550 --> 01:05:52,820

IMPACT TO NASA'S MISSION  
SUCCESS, THEREFORE THE

1148

01:05:52,820 --> 01:05:57,310

CONTRIBUTION IS SO EXTRAORDINARY  
THAT OTHER FORMS OF RECOGNITION

1149

01:05:57,310 --> 01:06:00,640

BY NASA WOULD BE INADEQUATE.

1150

01:06:00,640 --> 01:06:03,570

TODAY WE HAVE FOUR HONOREES IN  
THIS CATEGORY.

1151

01:06:03,570 --> 01:06:05,040

THE FIRST HONOREE IS DR.

1152

01:06:05,040 --> 01:06:07,269

PETER  
CAVANAUGH.

1153

01:06:07,269 --> 01:06:09,810

>> I THINK THE NUMBER ONE REASON  
THAT DR.

1154

01:06:09,810 --> 01:06:11,810

PETER CAVANAUGH IS  
DESERVING OF NASA'S

1155

01:06:11,810 --> 01:06:16,490

DISTINGUISHED PUBLIC SERVICE  
AWARD IS HIS PERSISTENCE.

1156

01:06:16,490 --> 01:06:17,490

DR.

1157

01:06:17,490 --> 01:06:20,430

CAVANAUGH'S EXPERIMENT ON  
EXPEDITION 6 WAS AN EXPERIMENT

1158

01:06:20,430 --> 01:06:21,430

CALLED FOOT.

1159

01:06:21,430 --> 01:06:26,010  
WE HAD TO WEAR THESE BLACK  
STRETCHY PANTS IN OR BIT FOR THE

1160  
01:06:26,010 --> 01:06:27,010  
WHOLE DAY.

1161  
01:06:27,010 --> 01:06:30,040  
THAT MAY NOT SEEM LIKE A BIG  
DEAL, BUT THEY WOULD SQUEEZE THE

1162  
01:06:30,040 --> 01:06:33,240  
FLUIDS IN YOUR LEG UP TO YOUR  
HEAD AND CREATE THIS STUFFY

1163  
01:06:33,240 --> 01:06:34,240  
FEELING.

1164  
01:06:34,240 --> 01:06:35,240  
IT WAS UNCOMFORTABLE.

1165  
01:06:35,240 --> 01:06:39,089  
I HATED WEARING THOSE STRETCHY  
PANTS, STILL NO MATTER HOW MUCH

1166  
01:06:39,089 --> 01:06:44,760  
I DISLIKE DOING THE ACTUAL  
EXPERIMENT, I STILL WANTED TO DO

1167  
01:06:44,760 --> 01:06:45,760  
IT.

1168  
01:06:45,760 --> 01:06:48,110  
AND THAT'S BECAUSE PETER MADE ME  
UNDERSTAND HOW IMPORTANT THE

1169  
01:06:48,110 --> 01:06:51,370  
DATA WE WERE COLLECTING WAS, AND  
WHAT AN IMPACT IT WOULD HAVE ON

1170

01:06:51,370 --> 01:06:52,990

FUTURE EXPLORATION.

1171

01:06:52,990 --> 01:06:55,560

EVEN THOUGH I WAS PRETTY GRUMPY  
ON THE DAYS WHEN I HAD TO WEAR

1172

01:06:55,560 --> 01:06:59,400

THE FOOT SUIT, I WAS HAPPY TO  
COLLECT THE DATA AND HAPPY TO

1173

01:06:59,400 --> 01:07:04,069

HAVE A CHANCE TO WORK WITH PETER  
AND HIS TEAM.

1174

01:07:04,069 --> 01:07:07,320

>> DR.

1175

01:07:07,320 --> 01:07:10,560

CAVANAUGH?

1176

01:07:10,560 --> 01:07:17,060

[†APPLAUSE†]

DR.

1177

01:07:17,060 --> 01:07:20,570

CAVANAUGH IS BEING HONORED  
FOR 30 YEARS OF SERVICE TO NASA

1178

01:07:20,570 --> 01:07:24,570

IN THE DEVELOPMENT AND TESTING  
OF SPACE FLIGHT EXERCISE COUNTER

1179

01:07:24,570 --> 01:07:30,570

MEASURES.

1180

01:07:30,570 --> 01:07:42,589

[†APPLAUSE†]

CONGRATULATIONS.



1181

01:07:42,589 --> 01:07:45,430

NEXT WE HONOR BRIAN DEPROFIO.

1182

01:07:45,430 --> 01:07:49,950

>> SO, IN 2011, THE CITY OF  
HAMPTON, VIRGINIA GAVE ONE OF

1183

01:07:49,950 --> 01:07:54,030

ITS EMPLOYEES A REALLY DIFFICULT  
AND SPECIAL ASSIGNMENT.

1184

01:07:54,030 --> 01:07:57,110

THAT ASSIGNMENT WAS TO TURN  
AROUND THE VIRGINIA AIR AND

1185

01:07:57,110 --> 01:07:58,110

SPACE CENTER.

1186

01:07:58,110 --> 01:08:01,210

THE VIRGINIA AIR AND SPACE  
CENTER WAS IN PRETTY BAD

1187

01:08:01,210 --> 01:08:02,210

FINANCIAL SHAPE.

1188

01:08:02,210 --> 01:08:04,700

THEY WERE \$3 MILLION IN THE RED.

1189

01:08:04,700 --> 01:08:08,090

THEY HAD DECLINING MEMBERSHIP  
AND VISITOR NUMBERS, AND THE

1190

01:08:08,090 --> 01:08:11,240

CITY REALLY WANTED TO BRING IT  
BACK TO ITS FORMER SELF.

1191

01:08:11,240 --> 01:08:15,270

SO, IN LESS THAN THREE YEARS,

BRIAN DID JUST THAT.

1192

01:08:15,270 --> 01:08:19,119  
WITHOUT ANY EXPERIENCE IN  
RUNNING A NON-PROFIT, HE WAS

1193

01:08:19,119 --> 01:08:22,730  
ABLE TO BRING THE VISITORS  
CENTER OUT OF THE RED, HE WAS

1194

01:08:22,730 --> 01:08:27,770  
ABLE TO INCREASE THEIR  
MEMBERSHIP AND VISITOR NUMBERS,

1195

01:08:27,770 --> 01:08:31,330  
AND MADE A VARIETY OF DIFFERENT  
IMPROVEMENTS TO THE AIR AND

1196

01:08:31,330 --> 01:08:35,080  
SPACE CENTER, RETURNING IT BACK  
TO THE REGION'S PREMIER

1197

01:08:35,080 --> 01:08:38,250  
EDUCATION AND OUTREACH CENTER  
FOR AIR AND SPACE.

1198

01:08:38,250 --> 01:08:40,350  
HE DID A GREAT JOB.

1199

01:08:40,350 --> 01:08:44,680  
BECAUSE OF BRIAN'S DEDICATION  
AND HIS PASSION AND COMMITMENT

1200

01:08:44,680 --> 01:08:49,449  
TO THIS PROJECT, HE IS WELL  
DESERVING OF THE AGENCY'S

1201

01:08:49,449 --> 01:08:54,620  
HIGHEST PUBLIC RECOGNITION, AND  
THIS NASA DISTINGUISHED PUBLIC

1202

01:08:54,620 --> 01:09:01,650

SERVICE MEDAL IS SOMETHING THAT  
HE ABSOLUTELY EARNED.

1203

01:09:01,650 --> 01:09:02,650

>> MR.

1204

01:09:02,650 --> 01:09:12,400

DEPROFIO?

1205

01:09:12,400 --> 01:09:13,400

MR.

1206

01:09:13,400 --> 01:09:15,250

DEPROFIO IS BEING HONORED  
FOR EXCEPTIONAL LEADERSHIP OF

1207

01:09:15,250 --> 01:09:19,730

NASA LANGLEY RESEARCH CENTER'S  
OFFICIAL VISITOR CENTER,

1208

01:09:19,730 --> 01:09:23,200

IMPROVING AWARENESS OF NASA'S  
VALUE AND INSPIRING THOUSANDS OF

1209

01:09:23,200 --> 01:09:27,820

VISITORS AND CHILDREN.

1210

01:09:27,820 --> 01:09:34,770

[†APPLAUSE†]

CONGRATULATIONS.

1211

01:09:34,770 --> 01:09:36,130

OUR NEXT HONOREE IS MR.

1212

01:09:36,130 --> 01:09:38,980

DAVEY  
HANES.

1213

01:09:38,980 --> 01:09:43,109

>> DAVY IS AN EXCEPTIONAL LAUNCH  
VEHICLE ENGINEER, AND HE BRINGS

1214

01:09:43,109 --> 01:09:45,730

A PASSION FOR EXCELLENCE IN  
EVERYTHING HE DOES.

1215

01:09:45,730 --> 01:09:49,460

HE IS WILLING TO TAKE ON THE  
TOUGH TECHNICAL CHALLENGES THAT

1216

01:09:49,460 --> 01:09:51,960

STRETCH BOTH HIMSELF AND HIS  
TEAM.

1217

01:09:51,960 --> 01:09:56,010

HIS LEADERSHIP SKILLS HAVE BEEN  
EXERCISED ON NUMEROUS OCCASIONS

1218

01:09:56,010 --> 01:09:59,360

DURING THE DEVELOPMENT OF THE  
CORE STAGE OF THE SPACE LAUNCH

1219

01:09:59,360 --> 01:10:01,280

SYSTEMS VEHICLE.

1220

01:10:01,280 --> 01:10:07,440

DAVY HAS AN UNCANNY ABILITY TO  
SOLVE TOUGH, TECHNICAL PROBLEMS,

1221

01:10:07,440 --> 01:10:09,960

DEAL WITH MULTIPLE  
ORGANIZATIONS, MULTIPLE

1222

01:10:09,960 --> 01:10:14,360

DISCIPLINES AND FIND WAYS TO  
COME UP WITH SOLUTIONS THAT ARE

1223

01:10:14,360 --> 01:10:17,070

INNOVATIVE AND ARE TIMELY.

1224

01:10:17,070 --> 01:10:20,460

BUT DAVY IS MUCH MORE THAN A  
TECHNICAL EXPERT.

1225

01:10:20,460 --> 01:10:25,239

HE BRINGS A PASSION TO HIS WORK,  
HE BRINGS AN ABILITY TO SOLVE

1226

01:10:25,239 --> 01:10:30,120

THE ISSUES, AND FOR THIS HE IS  
WIDELY RECOGNIZED AND ADMIRER BY

1227

01:10:30,120 --> 01:10:31,139

HIS PEERS.

1228

01:10:31,139 --> 01:10:34,280

DAVY IS ALL OF THIS AND ONE OF  
THE REASONS WE WILL CERTIFY AND

1229

01:10:34,280 --> 01:10:38,770

FLY THE SPACE LAUNCH SYSTEM  
VEHICLE.

1230

01:10:38,770 --> 01:10:39,770

>> MR.

1231

01:10:39,770 --> 01:10:43,750

HANES?

1232

01:10:43,750 --> 01:10:48,739

[†APPLAUSE†]

MR.

1233

01:10:48,739 --> 01:10:52,580

HANES IS BEING HONORED FOR  
DISTINGUISHED SERVICE TO NASA IN

1234

01:10:52,580 --> 01:10:55,650

THE DEVELOPMENT OF INTEGRATED  
ENVIRONMENTS FOR THE DEVELOPMENT

1235

01:10:55,650 --> 01:11:04,960

OF THE NEXT GENERATION OF LAUNCH  
VEHICLES.

1236

01:11:04,960 --> 01:11:14,170

[†APPLAUSE†]

OUR FINAL HONOREE IS MR.

1237

01:11:14,170 --> 01:11:17,060

ROGER

McNAMARA.

1238

01:11:17,060 --> 01:11:24,710

>> ROGER WAS THE DIRECTOR OF  
FLIGHT TEST ONE.

1239

01:11:24,710 --> 01:11:28,130

ROGER WAS RESPONSIBLE FOR  
DEVELOPMENT, PRODUCTION, AND

1240

01:11:28,130 --> 01:11:30,200

FLIGHT OF THIS NEW VEHICLE.

1241

01:11:30,200 --> 01:11:32,790

ROGER HAD TO MANAGE A SUPPLIER  
BASE OF HUNDREDS OF DIFFERENT

1242

01:11:32,790 --> 01:11:37,700

COMPANIES ACROSS THE COUNTRY WHO  
PROVIDED CRITICAL PARTS.

1243

01:11:37,700 --> 01:11:40,830

HE OVERSAW ASSEMBLY OF THE  
VEHICLE, THE BUILDING AT THE

1244

01:11:40,830 --> 01:11:44,270

KENNEDY SPACE CENTER, AND HE  
WORKED TO INTEGRATE ORION WITH

1245

01:11:44,270 --> 01:11:48,390

THE DELTA FOUR LAUNCH VEHICLE.

1246

01:11:48,390 --> 01:11:51,980

THE FLIGHT ITSELF WAS INCREDIBLY  
SPECTACULAR.

1247

01:11:51,980 --> 01:11:54,820

THE PERFORMANCE OF THE  
SPACECRAFT WAS SUPERB.

1248

01:11:54,820 --> 01:11:58,120

INFORMATION WE GLEANED FROM THE  
FLIGHT TEST IS BEING USED TO

1249

01:11:58,120 --> 01:12:00,699

HELP US DESIGN A BETTER  
SPACECRAFT FOR EXPLORATION

1250

01:12:00,699 --> 01:12:04,730

MISSION ONE WHICH WILL FLY  
BEYOND EARTH'S ORBIT IN 2018.

1251

01:12:04,730 --> 01:12:07,610

IN ADDITION TO THAT, MOST  
IMPORTANT, THE FLIGHT REALLY

1252

01:12:07,610 --> 01:12:11,190

REIGNITED THE PASSIONS THAT  
PEOPLE FROM ACROSS THE COUNTRY

1253

01:12:11,190 --> 01:12:15,910

HAVE FOR HUMAN SPACE  
EXPLORATION.

1254

01:12:15,910 --> 01:12:16,910

>> MR.

1255

01:12:16,910 --> 01:12:21,420

McNAMARA?

1256

01:12:21,420 --> 01:12:26,960

[†APPLAUSE†]

MR.

1257

01:12:26,960 --> 01:12:30,050

McNAMARA IS BEING HONORED  
FOR EXTRAORDINARY LEADERSHIP OF

1258

01:12:30,050 --> 01:12:33,920

THE HISTORIC NASA ORION  
EXPLORATION TEST FLIGHT ONE,

1259

01:12:33,920 --> 01:12:43,130

SUCCESSFUL MISSION ENABLING  
HUMAN DEEP SPACE EXPLORATION.

1260

01:12:43,130 --> 01:12:51,130

[†APPLAUSE†]

ON BEHALF OF THE ADMINISTRATOR,

1261

01:12:51,130 --> 01:12:54,940

WE THANK EACH OF THE  
EXTRAORDINARY HONOREES FOR THEIR

1262

01:12:54,940 --> 01:12:59,110

DISTINGUISHED SERVICE, FOR  
PARTICIPATING IN TODAY'S EVENTS,

1263

01:12:59,110 --> 01:13:02,090

WE WISH YOU MUCH CONTINUED  
SUCCESS IN ALL OF YOUR FUTURE

1264

01:13:02,090 --> 01:13:03,090

ENDEAVORS.



1265

01:13:03,090 --> 01:13:06,170

WE WOULD ALSO LIKE TO EXTEND OUR  
SPECIAL APPRECIATION TO MR.

1266

01:13:06,170 --> 01:13:07,420

BOLDEN, MR.

1267

01:13:07,420 --> 01:13:08,420

LIGHTFOOT, MR.

1268

01:13:08,420 --> 01:13:12,730

CABANA, THE PATRICK AIR FORCE  
BASE HONOR GUARD, AMBER ALLEN,

1269

01:13:12,730 --> 01:13:16,460

DEANTAE COOPER AND CHRISTOPHER  
JACKSON, THE CEREMONY

1270

01:13:16,460 --> 01:13:19,710

VOLUNTEERS, AND OUR HOST,  
KENNEDY SPACE CENTER FOR ALL OF

1271

01:13:19,710 --> 01:13:23,630

YOUR CONTRIBUTIONS AND MAKING  
TODAY'S CEREMONY A SUCCESS.

1272

01:13:23,630 --> 01:13:26,420

BEFORE WE CONCLUDE, MAY I ASK  
THAT ALL OF THE HONOREES PLEASE

1273

01:13:26,420 --> 01:13:27,710

RETURN TO THE STAGE?

1274

01:13:27,710 --> 01:13:58,570

WE'LL GET A PICTURE WITH  
EVERYBODY TOGETHER.

1275

01:13:58,570 --> 01:14:28,960

[†APPLAUSE†]

LET'S GIVE ALL OUR DISTINGUISHED

1276

01:14:28,960 --> 01:14:36,650

HONOREES ANOTHER ROUND OF  
APPLAUSE FOR THEIR OUTSTANDING

1277

01:14:36,650 --> 01:14:51,650

AND VALUABLE CONTRIBUTIONS TO  
NASA.

1278

01:14:51,650 --> 01:14:57,640

[†APPLAUSE†]

[†APPLAUSE†]