


LAUREN LYONS | SPACE X

T- 00:47:36



DAN HUOT | NASA

1
00:00:32,949 --> 00:00:23,606

■ ■

2
00:00:32,949 --> 00:00:39,055

■

3
00:00:39,055 --> 00:00:41,691
ALL STATION ON DRAGON, GET

4
00:00:41,691 --> 00:00:43,827
READY FOR TERMINAL COUNT.

5
00:00:43,827 --> 00:00:44,694

■

6
00:00:44,694 --> 00:00:49,599
>> YOU HAVE 30 SECONDS.

7
00:00:49,599 --> 00:00:59,642
>> ■

8
00:00:59,642 --> 00:01:03,580
■ 15 SECONDS.

9
00:01:03,580 --> 00:01:09,686
>> DRAGON IS ON COUNT DOWN.

10
00:01:09,686 --> 00:01:13,623
>> 5, 4, 3, 2, 1.

11
00:01:13,623 --> 00:01:17,594
>> IGNITION.

12
00:01:17,594 --> 00:01:23,700
>> YOU ARE LOOKING AT A LIVE

13
00:01:23,700 --> 00:01:28,071

VIEW OF SPACEX'S FIRST DRAGON

14
00:01:28,071 --> 00:01:31,307
SPACECRAFT ON TOP OF THE ROCKET

15
00:01:31,307 --> 00:01:32,675
WAITING FOR TAKEOFF AS PART OF

16
00:01:32,675 --> 00:01:36,212
THE FIRST CREW MISSION TO THE

17
00:01:36,212 --> 00:01:37,647
SPACE STATION FOR NASA.

18
00:01:37,647 --> 00:01:38,848
GOOD EVENING AND WELCOME TO THE

19
00:01:38,848 --> 00:01:41,050
LIVE BROADCAST OF NASA AND

20
00:01:41,050 --> 00:01:42,919
SPACEX'S FIRST CREW MISSION TO

21
00:01:42,919 --> 00:01:43,520
THE SPACE STATION.

22
00:01:43,520 --> 00:01:45,922
MY NAME IS DAN HEWITT, PUBLIC

23
00:01:45,922 --> 00:01:48,625
AFFAIRS OFFICER WITH NASA AND

24
00:01:48,625 --> 00:01:50,393
VERY EXCITED TO BE HERE FOR

25
00:01:50,393 --> 00:01:50,860
TODAY'S LAUNCH.

26

00:01:50,860 --> 00:01:52,896

>> AND IT IS SO AWESOME TO HAVE

27

00:01:52,896 --> 00:01:53,296

YOU HERE.

28

00:01:53,296 --> 00:01:54,497

>> IT IS AWESOME TO BE HERE.

29

00:01:54,497 --> 00:01:55,732

>> THANK YOU FOR COMING.

30

00:01:55,732 --> 00:01:58,568

>> MY NAME IS LAUREN THE SENIOR

31

00:01:58,568 --> 00:02:00,103

FLIGHT RELIABILITY ENGINEER AT

32

00:02:00,103 --> 00:02:01,938

SPACEX AND AS YOU CAN SEE, NASA

33

00:02:01,938 --> 00:02:03,807

AND SPACEX HAVE PARTNERED ON

34

00:02:03,807 --> 00:02:07,510

BOTH THE DEMO-1 MISSION AND, WE

35

00:02:07,510 --> 00:02:09,512

WILL BRING YOU LOI COVERAGE FROM

36

00:02:09,512 --> 00:02:11,314

HERE IN HEADQUARTERS IN

37

00:02:11,314 --> 00:02:13,183

HAWTHORNE, CALIFORNIA BUT ALSO

38

00:02:13,183 --> 00:02:14,717

NASA KENNEDY SPACE CENTER IN

39

00:02:14,717 --> 00:02:16,152

FLORIDA AS WELL AS THE JOHNSON

40

00:02:16,152 --> 00:02:17,620

SPACE STERN IN HOUSTON, AS MANY

41

00:02:17,620 --> 00:02:18,888

OF YOU PROBABLY ALREADY KNOW THE

42

00:02:18,888 --> 00:02:41,411

PURPOSE OF TODAY

43

00:03:21,050 --> 00:03:20,717

\h

44

00:03:21,050 --> 00:03:22,952

THE TIME PERIOD IS LONGER THAN

45

00:03:22,952 --> 00:03:23,720

WE ANTICIPATE ONCE PEOPLE ARE ON

46

00:03:23,720 --> 00:03:24,420

BOARD FOR BUT FOR THIS MISSION

47

00:03:24,420 --> 00:03:25,121

IT IS NECESSARY TO DEMONSTRATE

48

00:03:25,121 --> 00:03:25,788

ALL OF THE DEMOS BEFORE THE

49

00:03:25,788 --> 00:03:26,456

FIRST DOCKING WITH THE CREW

50

00:03:26,456 --> 00:03:26,789

STATION.

51
00:03:26,789 --> 00:03:27,523
>> ONCE DRAGON ARRIVES AT THE

52
00:03:27,523 --> 00:03:29,325
STATION IT IS EXPECTED STAY FOR

53
00:03:29,325 --> 00:03:30,460
ABOUT FIVE DAYS DURING WHICH

54
00:03:30,460 --> 00:03:32,161
TIME IT WILL UNDERGO A SERIES OF

55
00:03:32,161 --> 00:03:34,230
CHECKOUTS OF MANY OF THE NEW

56
00:03:34,230 --> 00:03:36,432
SYSTEMS AS WELL AS THE ISS

57
00:03:36,432 --> 00:03:36,900
INTERROGATION.

58
00:03:36,900 --> 00:03:38,101
WHILE DOCKED IT WILL DELIVER

59
00:03:38,101 --> 00:03:39,135
CARGO TO THE SPACE STATION WE

60
00:03:39,135 --> 00:03:41,504
LAUNCHED BUT ALSO BRING SOME

61
00:03:41,504 --> 00:03:43,606
CARGO BACK THAT THE CREW WILL

62
00:03:43,606 --> 00:03:45,241
PACK UP ON DRAGON ON THE WAY

63
00:03:45,241 --> 00:03:45,541

HOME.

64

00:03:45,541 --> 00:03:47,977

AT THE OWNED THE FIVE-DAY DOCK

65

00:03:47,977 --> 00:03:50,046

PERIOD IT WILL DEPART FOR A

66

00:03:50,046 --> 00:03:51,481

SPLASHDOWN WILL THE ATLANTIC

67

00:03:51,481 --> 00:03:54,584

OCEAN WHERE IT WILL BE MET BY

68

00:03:54,584 --> 00:03:55,451

CREWS AND TRANSPORTED BACK TO

69

00:03:55,451 --> 00:04:04,527

THE SITE.

70

00:04:04,527 --> 00:04:06,229

YOU CAN SEND IN YOUR QUESTIONS

71

00:04:11,367 --> 00:04:10,867

ASK NASA ON TWITTER.

72

00:04:11,367 --> 00:04:13,069

THIS IS SUCH AN EXCITING DAY

73

00:04:13,069 --> 00:04:14,971

WITH JUST UNDER AN HOUR TO

74

00:04:14,971 --> 00:04:15,338

LIFT-OFF.

75

00:04:15,338 --> 00:04:17,140

LET'S CHECK OVER ON THE TEAM

76
00:04:17,140 --> 00:04:18,675
FROM FLORIDA BROADCASTING LIVE

77
00:04:18,675 --> 00:04:19,409
FROM KENNEDY SPACE STERN.

78
00:04:19,409 --> 00:04:21,311
>> THANK YOU, LAURA AND DAN.

79
00:04:21,311 --> 00:04:23,346
>> I AM A FALCON INTEGRATION

80
00:04:23,346 --> 00:04:25,949
TEST ENGINEER AT SPACEX, AND

81
00:04:25,949 --> 00:04:29,319
STEPHANIE MARTIN WITH NASA CREW

82
00:04:29,319 --> 00:04:30,887
PROGRAM AND LIVE HERE AT

83
00:04:30,887 --> 00:04:31,254
KENNEDY.

84
00:04:31,254 --> 00:04:32,322
>> JUST ACROSS THE STREET FROM

85
00:04:32,322 --> 00:04:34,090
THE ICONIC VEHICLE ASSEMBLY

86
00:04:34,090 --> 00:04:35,625
BUILDING AND JUST OVER 3 MILES

87
00:04:35,625 --> 00:04:37,026
AWAY FROM OUR LAUNCH SITE.

88
00:04:37,026 --> 00:04:38,194

NOW, THERE ARE HUNDREDS OF

89

00:04:38,194 --> 00:04:40,163

MEMBERS OF THE MEDIA AT CAPE

90

00:04:40,163 --> 00:04:41,731

KENNEDY TO CAPTURE TODAY'S

91

00:04:41,731 --> 00:04:43,733

HISTORIC LAUNCH FROM THE EQUALLY

92

00:04:43,733 --> 00:04:47,236

HISTORIC LAUNCH COMPLEX 39 A OR

93

00:04:47,236 --> 00:04:48,805

LC 39 A WHICH HAS BEEN A CENTRAL

94

00:04:48,805 --> 00:04:51,140

PART OF THE AMERICAN HUMAN

95

00:04:51,140 --> 00:04:52,208

SPACEFLIGHT STORY. THIS IS THE

96

00:04:52,208 --> 00:04:54,978

HOME TO BOTH THE APOLLO AND SAYS

97

00:04:54,978 --> 00:04:55,945

SHUTTLE PROGRAM.

98

00:04:55,945 --> 00:04:57,480

BEHIND US YOU CAN SEE THE FALCON

99

00:04:57,480 --> 00:04:59,182

9 AND DRAGON PREPARED TO LAUNCH

100

00:04:59,182 --> 00:05:01,484

FROM THIS HISTORIC LAUNCHPAD.

101
00:05:01,484 --> 00:05:03,853
SPACE X LAUNCH COMPLEX, 39 A AND,

102
00:05:03,853 --> 00:05:05,254
IN 2014 AND AFTER RETROFITTING

103
00:05:05,254 --> 00:05:06,356
IT THEY HAVE BEEN ABLE TO

104
00:05:06,356 --> 00:05:08,458
SUPPORT BOTH FALCON NINE AND

105
00:05:08,458 --> 00:05:11,160
FALCON HEAVY LAUNCHES REGULARLY,

106
00:05:11,160 --> 00:05:11,561
SINCE 2017.

107
00:05:11,561 --> 00:05:12,595
>> YEAH, ACTUALLY THERE IS A

108
00:05:12,595 --> 00:05:14,797
GREAT SHOT ON YOUR SCREEN OF OUR

109
00:05:14,797 --> 00:05:16,699
TWO STAGE LAUNCH VEHICLE, THE

110
00:05:16,699 --> 00:05:18,368
FALCON 9, AND ACTUALLY THE CREW

111
00:05:18,368 --> 00:05:20,303
ARM IS ATTACHED TO IT, ACTUALLY,

112
00:05:20,303 --> 00:05:21,738
THERE THE CREW ARM IS SEPARATING

113
00:05:21,738 --> 00:05:25,408

AWAY FROM THE VEHICLE AND THIS

114

00:05:25,408 --> 00:05:27,777

TEST IS -- RUNNING THIS THE TEST

115

00:05:27,777 --> 00:05:29,679

THE SAME WAY WITH ASTRONAUTS ON

116

00:05:29,679 --> 00:05:30,947

BOARD, THAT'S ONE OF THE STEPS

117

00:05:30,947 --> 00:05:33,449

AS WE PREPARE TO GO INTO TODAY'S

118

00:05:33,449 --> 00:05:33,883

LAUNCH.

119

00:05:33,883 --> 00:05:37,320

NOW, FALCON 9 IS, FALCON NINE'S

120

00:05:37,320 --> 00:05:39,989

FIRST STAGE WILL FIRE ITS NINE

121

00:05:39,989 --> 00:05:40,957

ENGINES TO PROPEL THE VEHICLE TO

122

00:05:40,957 --> 00:05:42,592

THE EDGE OF SPACE.

123

00:05:42,592 --> 00:05:44,694

ONCE IT BURNS THROUGH BOTH MOST

124

00:05:44,694 --> 00:05:47,597

OF ITS PROPEL ATLANTA THE IT

125

00:05:47,597 --> 00:05:50,066

WILL TRY TO ATTEMPT TO DOCK WITH

126

00:05:50,066 --> 00:05:50,666

THE DRONE SHIP.

127

00:05:50,666 --> 00:05:52,635

THE SECOND STAGE WILL FIRE ITS

128

00:05:52,635 --> 00:05:54,670

SINGLE HIGH EFFICIENCY MERLIN

129

00:05:54,670 --> 00:05:56,739

VACUUM ENGINE TO PROPEL DRAGON

130

00:05:56,739 --> 00:06:00,076

TO ITS TARGET ORBIT ABOUT

131

00:06:00,076 --> 00:06:01,077

200 KILOMETERS ABOVE THE EARTH.

132

00:06:01,077 --> 00:06:02,545

FROM THERE DRAG GONE WILL

133

00:06:02,545 --> 00:06:05,381

CONTINUE WITH ITS FIRST JOURNEY

134

00:06:05,381 --> 00:06:06,949

TO THE INTERNATIONAL SPACE

135

00:06:06,949 --> 00:06:07,316

STATION.

136

00:06:07,316 --> 00:06:08,618

>> TWO MAIN STRUCTURES, THE

137

00:06:08,618 --> 00:06:12,321

CAPSULE WHERE WE FLY PRESSURIZED

138

00:06:12,321 --> 00:06:13,990

CARGO AND SOON OUR ASTRONAUTS

139

00:06:13,990 --> 00:06:15,825

THAT CAN'T BE EBBS POSED TO THE

140

00:06:15,825 --> 00:06:17,460

VACUUM OF SPACE AND THE SECOND

141

00:06:17,460 --> 00:06:20,863

IS A TRUNK WHERE WE CAN CARRY

142

00:06:20,863 --> 00:06:23,399

LARGE UNVACUUMED CARING CAN GO.

143

00:06:23,399 --> 00:06:24,467

IT IS EIGHT SUPER --

144

00:06:24,467 --> 00:06:27,470

>> THESE SUPER DRACOS WILL POWER

145

00:06:27,470 --> 00:06:28,905

THE ASTRONAUTS TO SAFETY IN THE

146

00:06:28,905 --> 00:06:30,273

EVENT OF AN EMERGENCY.

147

00:06:30,273 --> 00:06:32,975

CREW DRAGON'S TRUNK ALSO

148

00:06:32,975 --> 00:06:34,277

FEATURES NEW SOLAR ARRAYS YOU

149

00:06:34,277 --> 00:06:35,478

CAN SEE ON YOUR SCREEN RIGHT

150

00:06:35,478 --> 00:06:35,778

NOW.

151
00:06:35,778 --> 00:06:37,146
THEY PROVIDE POWER TO THE

152
00:06:37,146 --> 00:06:40,083
SPACECRAFT AS IT MAKE ITS WAY TO

153
00:06:40,083 --> 00:06:40,850
THE INTERNATIONAL SPACE STATION.

154
00:06:40,850 --> 00:06:43,352
>> THE TRUNK HAS NEW AERODYNAMIC

155
00:06:43,352 --> 00:06:44,520
FINS WHICH PROVIDE STABILITY IN

156
00:06:44,520 --> 00:06:46,923
THE EVENT OF THAT EMERGENCY

157
00:06:46,923 --> 00:06:47,723
ABORT AS WELL AS MORE SURFACE

158
00:06:47,723 --> 00:06:49,125
AREA FOR THOSE SOLAR ARRAYS.

159
00:06:49,125 --> 00:06:50,827
>> NOW THAT WAS A QUICK OF VIEW

160
00:06:50,827 --> 00:06:52,662
OF THE FALCON 9 AND CREW DRAGON

161
00:06:52,662 --> 00:06:54,797
HERE AT KENNEDY SPACE CENTER.

162
00:06:54,797 --> 00:06:56,365
HOWEVER, LET'S GO QUICKLY OVER

163
00:06:56,365 --> 00:06:58,201

TO DARRELL WHO HAS A SPECIAL

164

00:06:58,201 --> 00:06:59,702

GUEST AT THE OPERATIONS AND

165

00:06:59,702 --> 00:07:00,203

SUPPORT BUILDING.

166

00:07:00,203 --> 00:07:01,571

>> THAT'S RIGHT, STEPHANIE, I AM

167

00:07:01,571 --> 00:07:03,206

ON THE FIFTH FLOOR OF THAT

168

00:07:03,206 --> 00:07:04,841

BUILDING WHICH GIVES US AN

169

00:07:04,841 --> 00:07:06,409

ELEVATED VIEW OF THE LAUNCHPAD

170

00:07:06,409 --> 00:07:08,811

AND YOU CAN SEE, WE CAN SEE THE

171

00:07:08,811 --> 00:07:10,646

ROCKET FROM TOP TO BOTTOM,

172

00:07:10,646 --> 00:07:11,848

INCLUDING THE FLAME TRENCH, IT

173

00:07:11,848 --> 00:07:13,416

IS A BEAUTIFUL VIEW OUT HERE.

174

00:07:13,416 --> 00:07:14,784

AND THEN WE STRETCH OUT A LITTLE

175

00:07:14,784 --> 00:07:16,786

FURTHER AND YOU SEE THE GUESTS

176
00:07:16,786 --> 00:07:18,087
THAT HAVE GATHERED IN THE

177
00:07:18,087 --> 00:07:20,123
INFIELD STLERKS QUITE A VIEW AS

178
00:07:20,123 --> 00:07:20,423
WELL.

179
00:07:20,423 --> 00:07:21,557
THIS BUILDING IS ALSO RIGHT NEXT

180
00:07:21,557 --> 00:07:24,360
TO THE ICONIC VEHICLE ASSEMBLY

181
00:07:24,360 --> 00:07:25,928
BUILDING SWAY PERFECT BACKDROP

182
00:07:25,928 --> 00:07:29,298
FOR OUR GUESTS AS YOU MENTIONED,

183
00:07:29,298 --> 00:07:30,500
ADMINISTRATOR JIM BRIDENSTINE,

184
00:07:30,500 --> 00:07:31,667
THANKS FOR BEING HERE.

185
00:07:31,667 --> 00:07:32,635
THANKS, DARRELL, GREAT TO BE

186
00:07:32,635 --> 00:07:32,935
HERE.

187
00:07:32,935 --> 00:07:34,203
>> TELL US WHAT THIS LAUNCH

188
00:07:34,203 --> 00:07:34,804

MEANS TO YOU.

189

00:07:34,804 --> 00:07:35,705

WHAT DOES IT MEAN TO THE

190

00:07:35,705 --> 00:07:36,172

COUNTRY?

191

00:07:36,172 --> 00:07:37,673

SO THIS IS THE FIRST TIME WE ARE

192

00:07:37,673 --> 00:07:39,509

GOING TO LAUNCH AMERICAN

193

00:07:39,509 --> 00:07:41,210

ASTRONAUTS ON AMERICAN ROCKETS

194

00:07:41,210 --> 00:07:43,045

FROM AMERICAN SOIL, THE FIRST

195

00:07:43,045 --> 00:07:44,547

TIME SINCE THE RETIREMENT OF THE

196

00:07:44,547 --> 00:07:46,315

SPACE SHUTTLES IN 2011.

197

00:07:46,315 --> 00:07:50,620

SO THIS IS REALLY A SIGNIFICANT

198

00:07:50,620 --> 00:07:53,222

ACHIEVEMENT IN THE HISTORY OF

199

00:07:53,222 --> 00:07:55,458

DERROLL .. IN, SIGNIFICANT

200

00:07:55,458 --> 00:07:57,260

ACHIEVEMENT IN AMERICAN

201
00:07:57,260 --> 00:07:57,960
SPACEFLIGHT. WE WANT TO MAKE

202
00:07:57,960 --> 00:07:59,295
SURE WE KEEP OUR PARTNERSHIP

203
00:07:59,295 --> 00:08:00,163
WITH RUSSIA WHICH HAS BEEN VERY

204
00:08:00,163 --> 00:08:01,464
STRONG FOR A LONG PERIOD OF TIME

205
00:08:01,464 --> 00:08:03,866
GOING ALL THE WAY BACK TO THE

206
00:08:03,866 --> 00:08:06,068
APOLLO SOYUZ AREA BUT MAKE SURE

207
00:08:06,068 --> 00:08:07,703
WE HAVE OUR OWN CAPABILITY TO

208
00:08:07,703 --> 00:08:08,638
GET BACK AND FORTH TO THE

209
00:08:08,638 --> 00:08:09,405
INTERNATIONAL SPACE STATION SO

210
00:08:09,405 --> 00:08:10,540
WE CAN HAVE THIS STRONG

211
00:08:10,540 --> 00:08:11,541
PARTNERSHIP WHERE THEY CAN

212
00:08:11,541 --> 00:08:12,708
LAUNCH ON OUR ROCKETS AND WE CAN

213
00:08:12,708 --> 00:08:14,277

LAUNCH ON THEIR ROCKETS.

214

00:08:14,277 --> 00:08:15,811

BUT I THINK ANOTHER BIG

215

00:08:15,811 --> 00:08:16,979

MILESTONE HERE IS THE IDEA THAT

216

00:08:16,979 --> 00:08:19,515

WE ARE NOT AS AN AGENCY, AS NASA

217

00:08:19,515 --> 00:08:20,883

WE ARE NOT PURCHASING, OWNING

218

00:08:20,883 --> 00:08:23,152

AND OPERATING OUR OWN ROCKETS AT

219

00:08:23,152 --> 00:08:23,553

THIS POINT.

220

00:08:23,553 --> 00:08:25,321

WE ARE LOOKING TO A FUTURE WHERE

221

00:08:25,321 --> 00:08:27,623

WE CAN BE A CUSTOMER, ONE

222

00:08:27,623 --> 00:08:29,192

CUSTOMER OF MANY CUSTOMERS IN A

223

00:08:29,192 --> 00:08:31,827

VERY ROBUST COMMERCIAL

224

00:08:31,827 --> 00:08:34,096

MARKETPLACE IN LOW EARTH ORBIT

225

00:08:34,096 --> 00:08:36,432

AND NOT ONE CUSTOMER BUT MANY

226

00:08:36,432 --> 00:08:38,134

CUSTOMERS THAT DRIVES DOWN THE

227

00:08:38,134 --> 00:08:40,503

COSTS AND HAVING MULTIPLE

228

00:08:40,503 --> 00:08:42,238

PROVIDERS COMPETING ON COST AND

229

00:08:42,238 --> 00:08:45,208

INVASION THAT ENABLES US TO HAVE

230

00:08:45,208 --> 00:08:46,342

TRANSFORMATIONAL TECHNOLOGY THAT

231

00:08:46,342 --> 00:08:47,877

ALLOW US TO DO MORE THAN EVER

232

00:08:47,877 --> 00:08:48,945

BEFORE. THIS IS A BIG DEAL.

233

00:08:48,945 --> 00:08:51,347

>> ONE OF THOSE KEY CUSTOMERS,

234

00:08:51,347 --> 00:08:52,014

SPACEX WHICH IS LAUNCHING

235

00:08:52,014 --> 00:08:52,815

TONIGHT AND HERE FOR THIS

236

00:08:52,815 --> 00:08:53,149

LAUNCH.

237

00:08:53,149 --> 00:08:55,651

YOU GOT TO TOUR AROUND WITH

238

00:08:55,651 --> 00:08:57,520

SPACEX CEO ELON MUSK, HOW WAS

239

00:08:57,520 --> 00:08:57,820

THAT?

240

00:08:57,820 --> 00:09:01,324

>> IT WAS A GREAT OPPORTUNITY HE

241

00:09:01,324 --> 00:09:04,260

REMINDED ME HE BEGAN THIS

242

00:09:04,260 --> 00:09:05,595

PROCESS 18 YEARS AGO, IF YOU CAN

243

00:09:05,595 --> 00:09:06,829

IMAGINE THAT, BACK IN 2001, AND

244

00:09:06,829 --> 00:09:08,831

AT THE TIME, YOU KNOW, THE

245

00:09:08,831 --> 00:09:11,601

INTENT WAS TO PUT A LITTLE

246

00:09:11,601 --> 00:09:13,436

GREENHOUSE ON MARS AND HE WAS

247

00:09:13,436 --> 00:09:16,305

GOING TO, YOU KNOW, PURCHASE AN

248

00:09:16,305 --> 00:09:18,441

EXCESS ICBM FROM RUSSIA, OF

249

00:09:18,441 --> 00:09:20,009

COURSE HE MADE SURE TO MAKE

250

00:09:20,009 --> 00:09:22,945

CLEAR IT WAS WITHOUT THE NUCLEAR

251
00:09:22,945 --> 00:09:23,579
WARHEAD.

252
00:09:23,579 --> 00:09:25,414
BUT WHAT WAS FASCINATING IS FROM

253
00:09:25,414 --> 00:09:27,450
THAT IDEA, WHERE HE WANTED TO

254
00:09:27,450 --> 00:09:29,385
PUT ON MARS A LITTLE GREENHOUSE,

255
00:09:29,385 --> 00:09:30,720
WE ARE TALKING ABOUT THREE FEET

256
00:09:30,720 --> 00:09:33,522
BY THREE FEET, JUST A SMALL

257
00:09:33,522 --> 00:09:34,724
GREENHOUSE, AND FROM THAT HE

258
00:09:34,724 --> 00:09:37,693
TRIED TO BUY THIS EXCESS ICBM

259
00:09:37,693 --> 00:09:39,395
BUT IT WAS \$20 MILLION AND HE

260
00:09:39,395 --> 00:09:41,397
SAID, I CAN'T AFFORD THAT, TO

261
00:09:41,397 --> 00:09:42,965
ACHIEVE WHAT I AM 32 TOYING

262
00:09:42,965 --> 00:09:44,767
ACHIEVE, AND SO HE CAME UP WITH

263
00:09:44,767 --> 00:09:48,371

THE IDEA OFFAL CON, THE FALCON

264

00:09:48,371 --> 00:09:48,838

1.

265

00:09:48,838 --> 00:09:50,873

AND AFTER A NUMBER OF FAILED

266

00:09:50,873 --> 00:09:52,775

LAUNCHES HE STUCK WIT AND BY

267

00:09:52,775 --> 00:09:54,477

FALCON 4 IT WAS IS SUCCESSFUL

268

00:09:54,477 --> 00:09:55,645

AND THEN OF COURSE THE

269

00:09:55,645 --> 00:09:57,380

PARTNERSHIP WITH NASA AND, YOU

270

00:09:57,380 --> 00:09:58,414

KNOW, A LONG PARTNERSHIP THAT

271

00:09:58,414 --> 00:09:59,415

HAS BEEN DEVELOPING FOR A LONG

272

00:09:59,415 --> 00:10:01,917

TIME AND HERE WE ARE ON THE

273

00:10:01,917 --> 00:10:02,985

PRECIPICE OF RETURNING TO

274

00:10:02,985 --> 00:10:04,820

SPACEFLIGHT FROM AMERICAN SOIL.

275

00:10:04,820 --> 00:10:06,956

SO IT IS GREAT TO HAVE THAT

276

00:10:06,956 --> 00:10:08,791
OPPORTUNITY TO HEAR HIS

277

00:10:08,791 --> 00:10:10,593
PERSPECTIVE AND THIS IS REALLY,

278

00:10:10,593 --> 00:10:12,295
YOU KNOW, A BIG DAY FOR NASA AND

279

00:10:12,295 --> 00:10:14,697
A BIG DAY FOR SPACEX, ELON MUSK

280

00:10:14,697 --> 00:10:16,899
AND THE ENTIRE TEAM, BOTH TEAMS,

281

00:10:16,899 --> 00:10:17,500
NASA AND SPACEX.

282

00:10:17,500 --> 00:10:18,968
>> AND WE ARE LOOKING FORWARD TO

283

00:10:18,968 --> 00:10:20,569
A LAUNCH TONIGHT AND APPRECIATE

284

00:10:20,569 --> 00:10:21,737
WOW COMING OUT AND VOYAGE US, IT

285

00:10:21,737 --> 00:10:23,472
IS GOING TO BE AN EXCITING NIGHT

286

00:10:23,472 --> 00:10:24,974
AND WANT TO TOSS IT BACK TO NOW

287

00:10:24,974 --> 00:10:27,310
TO TOM WHO IS IN SPACEX

288

00:10:27,310 --> 00:10:28,511

HEADQUARTERS IN HAWTHORNE,

289

00:10:28,511 --> 00:10:29,312

CALIFORNIA.

290

00:10:29,312 --> 00:10:29,612

TOM.

291

00:10:29,612 --> 00:10:33,049

>> THANKS, DERROL, MY NAME IS

292

00:10:33,049 --> 00:10:34,450

TOM, A SOFTWARE ENGINEER HERE AT

293

00:10:34,450 --> 00:10:36,185

SPACE X, AND HANGING RIGHT BEHIND

294

00:10:36,185 --> 00:10:38,587

ME AT SPACE X HEADQUARTERS IN

295

00:10:38,587 --> 00:10:39,855

HAWTHORNE, CALIFORNIA IS THE

296

00:10:39,855 --> 00:10:42,058

VERY FIRST DRAGON SPACECRAFT

297

00:10:42,058 --> 00:10:43,592

THAT THEY LAUNCHED BACK IN 2010.

298

00:10:43,592 --> 00:10:45,761

AND NOW HERE WE ARE ALMOST, JUST

299

00:10:45,761 --> 00:10:46,862

LESS THAN 40 MINUTES FROM

300

00:10:46,862 --> 00:10:49,265

LAUNCHING OUR FIRST CREW DRAGON

301
00:10:49,265 --> 00:10:50,199
SPACECRAFT TO THE SPACE STATION.

302
00:10:50,199 --> 00:10:52,802
IT IS CURRENTLY T MINUS 38

303
00:10:52,802 --> 00:10:54,103
MINUTES AND 40 SECONDS AND

304
00:10:54,103 --> 00:10:55,805
SPACEX TEAM IS WORKING NO ISSUES

305
00:10:55,805 --> 00:10:56,205
FOR LAUNCH.

306
00:10:56,205 --> 00:10:58,007
HERE IS WHERE WE STAND ON THE

307
00:10:58,007 --> 00:10:59,742
ROCKET, THE SPACECRAFT AND THE

308
00:10:59,742 --> 00:11:00,076
RAUNCH.

309
00:11:00,076 --> 00:11:01,577
FOR THE FALCON NINE, THE

310
00:11:01,577 --> 00:11:04,113
CRITICAL GO, NO GO PULL WAS HELD

311
00:11:04,113 --> 00:11:06,282
T MINUS 45 MINUTES WHEN THE

312
00:11:06,282 --> 00:11:07,683
SPACEX LAUNCH DIRECTOR PULLED

313
00:11:07,683 --> 00:11:09,185

THE TEAMS TO ASSESS THE

314

00:11:09,185 --> 00:11:10,152
READINESS FOR LAUNCH.

315

00:11:10,152 --> 00:11:11,854
ALL TEAMS ARE CURRENTLY GO FOR

316

00:11:11,854 --> 00:11:15,224
LAUNCH AND BEGINNING PROPEL

317

00:11:15,224 --> 00:11:16,892
ATLANTA LOADING.

318

00:11:16,892 --> 00:11:18,728
IN 25 MINUTES.

319

00:11:18,728 --> 00:11:20,062
IN THE BACKGROUND YOU MAY HEAR

320

00:11:20,062 --> 00:11:26,836
THEM ARE PO FOR AND THE CAPSULES

321

00:11:26,836 --> 00:11:28,804
ALSO CURRENTLY GO FOR LAUNCH.

322

00:11:28,804 --> 00:11:30,473
IF THIS WERE AN OPERATIONAL

323

00:11:30,473 --> 00:11:32,141
MISSION, LATE LOAD CARGO WOULD

324

00:11:32,141 --> 00:11:33,209
ALREADY HAVE BEEN LOADED ON

325

00:11:33,209 --> 00:11:34,410
DRAGON THE DAY OF LAUNCH WHICH

326

00:11:34,410 --> 00:11:35,177

WOULD HAVE BEEN EARLIER TODAY

327

00:11:35,177 --> 00:11:37,046

AND THE CREW WOULD ALREADY HAVE

328

00:11:37,046 --> 00:11:39,081

BOARDED VIA THE CREW ACCESS ARM.

329

00:11:39,081 --> 00:11:41,016

ONCE EVERYONE IS SAFELY ON

330

00:11:41,016 --> 00:11:42,351

BOARD, SPACE X WOULD RETRACT OR

331

00:11:42,351 --> 00:11:43,953

YOU SAW SPACE X JUST RETRACT THE

332

00:11:43,953 --> 00:11:45,688

CREW ACCESS ARM, WHICH ACTIVATES

333

00:11:45,688 --> 00:11:47,990

THE LAUNCH ESCAPE SYSTEM, AND IS

334

00:11:47,990 --> 00:11:49,225

ALLOWS THE INITIAL EDUCATION OF

335

00:11:49,225 --> 00:11:53,129

A -- ESCAPE IN THE EVENT OF AN

336

00:11:53,129 --> 00:11:53,662

EMERGENCY.

337

00:11:53,662 --> 00:11:55,531

THE RAKE CURRENTLY IS SUPPORTING

338

00:11:55,531 --> 00:11:56,565

US FOR A LAUNCH TODAY, NO ISSUES

339

00:11:56,565 --> 00:11:58,300

WITH THAT, WITH WEATHER THERE

340

00:11:58,300 --> 00:12:00,136

ARE THREE MAIN CATEGORIES OF

341

00:12:00,136 --> 00:12:01,937

WEATHER, THINGS THE SPACEX AND

342

00:12:01,937 --> 00:12:03,906

LOOK FOR, ONE OF THOSE IS UPPER

343

00:12:03,906 --> 00:12:05,374

LEVEL WINDS, THE OTHER IS GROUND

344

00:12:05,374 --> 00:12:07,676

LEVEL WINDS AND THE OTHER IS THE

345

00:12:07,676 --> 00:12:09,612

ANVIL CLOUD AND LOIGHT RULES,

346

00:12:09,612 --> 00:12:10,946

RIGHT NOW THERE ARE TO WEATHER

347

00:12:10,946 --> 00:12:12,348

CONSTRAINTS FOR LAUNCH TODAY.

348

00:12:12,348 --> 00:12:13,883

SO AS THE TEAM MENTIONED THERE

349

00:12:13,883 --> 00:12:15,518

ARE NO PEOPLE ON BOARD DRAGON

350

00:12:15,518 --> 00:12:17,753

TODAY BUT WE DO ACTUALLY HAVE

351
00:12:17,753 --> 00:12:19,488
ONE SPECIAL PASSENGER FLYING AND

352
00:12:19,488 --> 00:12:20,790
THE NAME IS RIPLEY.

353
00:12:20,790 --> 00:12:22,024
YOU ACTUALLY SEE HER SITTING

354
00:12:22,024 --> 00:12:24,527
THERE IN LIVE VIEWS WE HAVE FROM

355
00:12:24,527 --> 00:12:24,860
DRAGON.

356
00:12:24,860 --> 00:12:26,796
GETTING READY FOR LAUNCH, RIPLEY

357
00:12:26,796 --> 00:12:27,897
WILL BE GATHERING VERY IMPORTANT

358
00:12:27,897 --> 00:12:29,632
DATA FOR US IN ADVANCE OF OUR

359
00:12:29,632 --> 00:12:31,066
FIRST CREW MISSIONS AND ALSO

360
00:12:31,066 --> 00:12:33,335
TAKING UP A ZERO GRAVITY

361
00:12:33,335 --> 00:12:34,170
INDICATOR IN THE SHAPE OF THE

362
00:12:34,170 --> 00:12:35,671
EARTH WHICH GO YOU SEE THE BLUE

363
00:12:35,671 --> 00:12:36,939

EARTH FIGURE RIGHT NEXT TO HER

364

00:12:36,939 --> 00:12:38,908

IN THE SEAT CLOSEST TO THE

365

00:12:38,908 --> 00:12:39,241

CAMERA.

366

00:12:39,241 --> 00:12:40,342

ONCE WE ARE CLEAR OF THE EARTH'S

367

00:12:40,342 --> 00:12:42,545

PARAGRAPH AT THIS THAT ZERO G

368

00:12:42,545 --> 00:12:43,879

INDICATOR WILL BE FREE TO MOVE

369

00:12:43,879 --> 00:12:45,247

ABOUT THE CABIN.

370

00:12:45,247 --> 00:12:47,183

LET'S TAKE A CLOSER LOOK AT

371

00:12:47,183 --> 00:12:49,718

RIPLEY'S ROLE ON HER TRIP TO THE

372

00:12:49,718 --> 00:12:50,653

INTERNATIONAL SPACE STATION.

373

00:12:50,653 --> 00:12:52,888

>> AS A PART OF OUR

374

00:12:52,888 --> 00:12:53,622

DEMONSTRATION 1 MISSION WE HAVE

375

00:12:53,622 --> 00:12:55,524

A SPECIAL PASSENGER ON BOARD.

376

00:12:55,524 --> 00:12:56,992

THE TECHNICAL TERM FOR OUR

377

00:12:56,992 --> 00:13:00,095

SPECIAL PASSENGER IS

378

00:13:00,095 --> 00:13:03,299

ANTHROPOMORPHIC TEST DEVICE OR

379

00:13:03,299 --> 00:13:05,768

APT BUT WE WILL JUST CALL HER T,

380

00:13:05,768 --> 00:13:08,304

I AM SENIOR DINAH PICK ENGINEER

381

00:13:08,304 --> 00:13:08,971

HERE AT SPACEX.

382

00:13:08,971 --> 00:13:10,506

>> RIPLEY'S I DON'T KNOW IS TO

383

00:13:10,506 --> 00:13:11,707

GOAL EVERYTHING THAT AN

384

00:13:11,707 --> 00:13:13,409

ASTRONAUT WILL FEEL WHEN THEY

385

00:13:13,409 --> 00:13:14,643

FLY ON DRAGON.

386

00:13:14,643 --> 00:13:17,046

HE IS ESSENTIALLY FULL OF

387

00:13:17,046 --> 00:13:18,380

SENSORS ACROSS THEIR BODY,

388

00:13:18,380 --> 00:13:20,783

INCLUDING THE HEAD, NECK AND

389

00:13:20,783 --> 00:13:21,116

SPINE.

390

00:13:21,116 --> 00:13:22,284

FOR THIS MISSION, RIPLEY IS

391

00:13:22,284 --> 00:13:25,321

GOING TO USE 10 OUT OF HER 30

392

00:13:25,321 --> 00:13:26,388

SENSORS TO GIVE US AT ALL

393

00:13:26,388 --> 00:13:27,456

INFORMATION WE NEED ABOUT THE

394

00:13:27,456 --> 00:13:29,325

MOST SENSITIVE PARTS OF IN HER

395

00:13:29,325 --> 00:13:29,625

BODY.

396

00:13:29,625 --> 00:13:30,893

HE IS GOING TO GIVE US INFORMS

397

00:13:30,893 --> 00:13:32,795

ABOUT HER BODY LOADS AND HEAT

398

00:13:32,795 --> 00:13:34,063

LOADS AND WE ARE GOING USE ALL

399

00:13:34,063 --> 00:13:35,898

OF THAT INFORMATION TO OUR

400

00:13:35,898 --> 00:13:37,166

ALLIES TO MAKE SURE OUR

401
00:13:37,166 --> 00:13:37,900
PREDICTIONS ARE CORRECT TO

402
00:13:37,900 --> 00:13:40,536
DESIGN TESTS AND UNDERSTAND

403
00:13:40,536 --> 00:13:41,837
EXACTLY HERE ON THE DRAGON.

404
00:13:41,837 --> 00:13:44,406
FROM LIFTOFF, TO SPLASHDOWN

405
00:13:44,406 --> 00:13:45,274
ESSENTIALLY SHE IS GOING TO TELL

406
00:13:45,274 --> 00:13:46,609
US HOW SHE GOALS DURING THE

407
00:13:46,609 --> 00:13:47,343
WHOLE MISSION.

408
00:13:47,343 --> 00:13:49,144
WE ALSO HAVE A MICROPHONE ON HER

409
00:13:49,144 --> 00:13:50,779
EARS SO WE ARE GOING TO HEAR

410
00:13:50,779 --> 00:13:53,249
WHATEVER SHE HEARS.

411
00:13:53,249 --> 00:13:54,884
>> THE GOAL OF THIS MISSION IS

412
00:13:54,884 --> 00:13:56,151
TO MAKE SURE THE CREW ARE GOING

413
00:13:56,151 --> 00:13:57,453

TO BE SAFE, COMFORTABLE AND

414

00:13:57,453 --> 00:14:01,056

ENJOY THE RIDE ON THE DRAGON.

415

00:14:01,056 --> 00:14:02,658

DURING A NO, MA'AM AL ASCENT,

416

00:14:02,658 --> 00:14:04,059

THEY WILL FEEL LIKE THEY ARE

417

00:14:04,059 --> 00:14:07,830

RIDING ON AN EXCITING ROLLER

418

00:14:07,830 --> 00:14:09,164

COASTER RIDE T CREW WILL FEEL

419

00:14:09,164 --> 00:14:10,332

LIKE THEY ARE DIVING INTO A

420

00:14:10,332 --> 00:14:12,301

SWIMMING POOL ON THE WAY DOWN.

421

00:14:12,301 --> 00:14:13,102

INTERESTINGLY, THIS IS NOT THE

422

00:14:13,102 --> 00:14:14,436

FIRST TIME WE ARE USING THIS

423

00:14:14,436 --> 00:14:15,504

TECHNOLOGY TO MAKE SURE THAT THE

424

00:14:15,504 --> 00:14:16,572

CREW ARE GOING TO BE SAFE.

425

00:14:16,572 --> 00:14:19,041

THE FIRST TIME WAS IN 2015 ON

426
00:14:19,041 --> 00:14:20,342
THE -- TEST.

427
00:14:20,342 --> 00:14:21,844
IN ADDITION, TO THESE TESTS WE

428
00:14:21,844 --> 00:14:23,279
ARE DOING A LOT MORE TESTING TO

429
00:14:23,279 --> 00:14:25,781
MAKE SURE ALL OF THE SCENARIOS

430
00:14:25,781 --> 00:14:26,949
ARE UNDERSTOOD, THE CREW ARE

431
00:14:26,949 --> 00:14:29,552
GOING TO BE SAFE AND ALL OF THE

432
00:14:29,552 --> 00:14:30,719
METRICS ARE WITHIN LIMITS.

433
00:14:30,719 --> 00:14:32,888
WE ARE GOING TO BE USING THE

434
00:14:32,888 --> 00:14:33,822
PSYCHOLOGIST AGAIN IN THE

435
00:14:33,822 --> 00:14:34,156
FUTURE.

436
00:14:34,156 --> 00:14:35,624
IN FACT RIPLEY WILL BE FLYING IN

437
00:14:35,624 --> 00:14:37,259
OUR INFLIGHT BOARD TEST LATER

438
00:14:37,259 --> 00:14:38,727

THIS YEAR.

439

00:14:38,727 --> 00:14:40,195

WE ARE NOT GOING TO GET

440

00:14:40,195 --> 00:14:41,630

REAL-TIME DATA FOR THIS MISSION.

441

00:14:41,630 --> 00:14:43,766

ONCE RIPLEY COMES BACK HOME SHE

442

00:14:43,766 --> 00:14:45,100

WILL GIVE US ALL THE DATA AND

443

00:14:45,100 --> 00:14:47,469

THAT WILL GET US ONE STEP CLOSER

444

00:14:47,469 --> 00:14:51,807

TO SPACE FLIGHT FOR EVERYONE.

445

00:14:56,612 --> 00:14:54,009

>>

446

00:14:56,612 --> 00:14:59,048

T MINUS 34 MINUTE.

447

00:14:59,048 --> 00:15:02,418

LET'S LISTEN IN FOR THAT CALLOUT

448

00:15:02,418 --> 00:15:06,055

ON THE NET.

449

00:15:06,055 --> 00:15:29,912

>> FOR THOSE VIEWERS JUST

450

00:15:29,912 --> 00:15:31,380

VIEWING US, WE ARE JUST WAITING

451
00:15:31,380 --> 00:15:34,583
FOR CALLOUT, FOR GETTING

452
00:15:34,583 --> 00:15:37,620
PROPELLENT LOAD ON THE DRAGON

453
00:15:37,620 --> 00:15:37,987
9 ROCKET.

454
00:15:37,987 --> 00:15:40,022
IT IS COMING UP IN JUST A FEW

455
00:15:40,022 --> 00:15:43,926
MINUTES, STAND BY.

456
00:15:43,926 --> 00:15:49,965
>> SO WHILE WE ARE WAITING FOR

457
00:15:49,965 --> 00:15:51,300
CALLOUT FOR THAT PROP LOAD WE

458
00:15:51,300 --> 00:15:54,169
WILL GO OVER TO MCMANIS TO GET A

459
00:15:54,169 --> 00:15:55,304
SENSE OF HOW THE FEELING IS AT

460
00:15:55,304 --> 00:15:55,904
THE CAPE.

461
00:15:55,904 --> 00:15:57,606
HOW IS IT GOING OVER THERE?

462
00:15:57,606 --> 00:15:58,941
>> EVERYTHING IS LOCKING PATRIOT

463
00:15:58,941 --> 00:16:00,376

OUT HERE, TOM.

464

00:16:00,376 --> 00:16:02,277

AND WE WISH RIPLEY ALL THE BEST

465

00:16:02,277 --> 00:16:04,813

OF LUCK ON HER INCREDIBLE,

466

00:16:04,813 --> 00:16:05,347

INCREDIBLE JOURNEY.

467

00:16:05,347 --> 00:16:07,650

I AM MCMANIS WOOD END AT KENNEDY

468

00:16:07,650 --> 00:16:09,351

SPACE STERN, PARTICULARLY I AM

469

00:16:09,351 --> 00:16:12,087

HERE AT THE BANANA CREEK VIEWING

470

00:16:12,087 --> 00:16:13,922

AREA WHICH IS RIGHT ACROSS THE

471

00:16:13,922 --> 00:16:17,359

WAY FROM THE SATURN 5 CENTER.

472

00:16:17,359 --> 00:16:18,861

NOW, ONE OF THE GREAT THINGS

473

00:16:18,861 --> 00:16:21,130

ABOUT THIS VIEWING AREA HERE AT

474

00:16:21,130 --> 00:16:24,133

BANANA EXREEK IS YOU HAVE AN

475

00:16:24,133 --> 00:16:25,768

UNFILTERED PAM ARE A, PAN RAMIK

476
00:16:25,768 --> 00:16:27,369
VIEW OF FIVE LAUNCHPADS.

477
00:16:27,369 --> 00:16:28,570
NOW THE PAD WE WILL BE LOOKING

478
00:16:28,570 --> 00:16:30,472
AT TONIGHT IS PAD 39 A, WHICH

479
00:16:30,472 --> 00:16:32,741
YOU ALREADY HEARD SO FAR IN THE

480
00:16:32,741 --> 00:16:35,577
PROGRAM HAS QUITE A HISTORICAL

481
00:16:35,577 --> 00:16:36,011
SIGNIFICANCE.

482
00:16:36,011 --> 00:16:38,580
12 APOLLO LAUNCHES AND 82

483
00:16:38,580 --> 00:16:40,983
SHUTTLE LAUNCHES TOOK PLACE AT

484
00:16:40,983 --> 00:16:42,785
PAD 39 A AND WE ARE HOPING THAT

485
00:16:42,785 --> 00:16:45,087
SPACE X IS ABLE TO CONTINUE THAT

486
00:16:45,087 --> 00:16:47,122
HISTORY TONIGHT.

487
00:16:47,122 --> 00:16:48,357
NOW, IF YOU LOOK AT THE CROWD,

488
00:16:48,357 --> 00:16:49,591

THEY ARE STARTING TO STILL

489

00:16:49,591 --> 00:16:51,860

FILTER IN, BUT WE ARE LOOKING AT

490

00:16:51,860 --> 00:16:53,562

ROUGHLY SEVEN TONE HUNDRED IN

491

00:16:53,562 --> 00:16:54,997

ATTENDANCE TONIGHT, THE VAST

492

00:16:54,997 --> 00:16:56,432

MAJORITY OF THEM ARE FROM HERE

493

00:16:56,432 --> 00:16:59,301

IN AMERICA, SO THE SENTIMENT OF

494

00:16:59,301 --> 00:17:01,170

AN AMERICAN BUILT ROCKET BEING

495

00:17:01,170 --> 00:17:03,839

LAUNCHED FROM AMERICAN SOIL AND

496

00:17:03,839 --> 00:17:05,607

WITH THE ANTICIPATION OF

497

00:17:05,607 --> 00:17:06,975

AMERICAN ASTRONAUTS LATER THIS

498

00:17:06,975 --> 00:17:08,877

YEAR BEING FLOWN ON THAT ROCKET

499

00:17:08,877 --> 00:17:09,978

IS PRETTY HIGH.

500

00:17:09,978 --> 00:17:11,513

BUT THAT IS NOT TO SAY IT IS A

501
00:17:11,513 --> 00:17:13,782
COMPLETE HOME TEAM TYPE OF A

502
00:17:13,782 --> 00:17:14,083
GAME.

503
00:17:14,083 --> 00:17:15,818
WE DO HAVE QUITE A FEW

504
00:17:15,818 --> 00:17:17,152
REPRESENTATIVES FROM OTHER

505
00:17:17,152 --> 00:17:19,188
FOREIGN COUNTRIES THAT BRING A

506
00:17:19,188 --> 00:17:20,355
UNIQUE PERSPECTIVE TO THIS

507
00:17:20,355 --> 00:17:21,724
LAUNCH, BECAUSE THEY LOOK AT IT

508
00:17:21,724 --> 00:17:24,226
FROM A GLOBAL PERSPECTIVE.

509
00:17:24,226 --> 00:17:26,495
SO JUST IMAGINE, IF YOU WILL,

510
00:17:26,495 --> 00:17:28,063
SOMEBODY IN THIS AUDIENCE

511
00:17:28,063 --> 00:17:29,865
TONIGHT HAS THE ABILITY AT SOME

512
00:17:29,865 --> 00:17:32,167
POINT IN TIME IN THEIR LIVES TO

513
00:17:32,167 --> 00:17:35,404

BOARD A ROCKET, FLY TO SPACE,

514

00:17:35,404 --> 00:17:37,973

AND THEN LOOK DOWN AT THE EARTH

515

00:17:37,973 --> 00:17:39,641

INSTEAD OF THROUGH THE LENS OF A

516

00:17:39,641 --> 00:17:40,943

NASA PHOTO WHICH WE HAVE ALL

517

00:17:40,943 --> 00:17:43,178

BECOME SO ACCUSTOMED 0 TO, BUT

518

00:17:43,178 --> 00:17:44,713

WITH THEIR VERY OWN EYES.

519

00:17:44,713 --> 00:17:47,683

SO WITH THAT IN MIND, THOSE TWO

520

00:17:47,683 --> 00:17:49,351

ARE THE MAIN TALKING POINT THAT

521

00:17:49,351 --> 00:17:51,353

I HAVE HAD WITH MANY OF THE

522

00:17:51,353 --> 00:17:54,156

FOLKS HERE IN THE AUDIENCE, SO

523

00:17:54,156 --> 00:17:56,125

AS YOU CAN IMAGINE, THE

524

00:17:56,125 --> 00:17:57,426

ANTICIPATION AND THE ENERGY IS

525

00:17:57,426 --> 00:17:58,127

QUITE STRONG.

526
00:17:58,127 --> 00:17:59,728
BUT AS YOU CAN SEE, EVERYONE IS

527
00:17:59,728 --> 00:18:01,330
STARTING TO SETTLE IN TO THEIR

528
00:18:01,330 --> 00:18:02,965
SEATS AND THEY ARE GETTING READY

529
00:18:02,965 --> 00:18:04,433
TO ENJOY THIS AMAZING LAUNCH, SO

530
00:18:04,433 --> 00:18:06,135
WITH THAT IN MIND LET'S GO AHEAD

531
00:18:06,135 --> 00:18:07,870
AND SEND IT BACK TO THINK HAVE A

532
00:18:07,870 --> 00:18:09,838
AND STEPHANIE RIGHT DOWN THE

533
00:18:09,838 --> 00:18:10,906
ROAD AT OUR STUDIO.

534
00:18:10,906 --> 00:18:13,542
>> MCMANUS THAT'S AN AWESOME

535
00:18:13,542 --> 00:18:15,344
CROWD OUT THERE AND LET YOU KNOW

536
00:18:15,344 --> 00:18:17,479
.. PROPELLENT LOADING HAS BEGUN

537
00:18:17,479 --> 00:18:18,814
ON THE FALCON 9.

538
00:18:18,814 --> 00:18:21,316

NOW, ALSO, IT IS A A REMINDER

539

00:18:21,316 --> 00:18:22,985

TODAY'S LAUNCH IS A TEST FLIGHT

540

00:18:22,985 --> 00:18:24,286

AND WILE SPACEX HAS BEEN

541

00:18:24,286 --> 00:18:26,889

TRANSPORTING CARGO TO AND FROM

542

00:18:26,889 --> 00:18:28,056

THE INTERNATIONAL SPACE STATION

543

00:18:28,056 --> 00:18:30,159

SINCE 2012, THIS FLIGHT IS THE

544

00:18:30,159 --> 00:18:31,727

FIRST TIM THAT WE WILL BE

545

00:18:31,727 --> 00:18:33,061

LAUNCHING A CREW DRAG GONE WITH

546

00:18:33,061 --> 00:18:35,063

THE UPGRADES TO FALCON 9 AND

547

00:18:35,063 --> 00:18:36,665

DRAGON THAT ALLOWS US TO FRIDAY

548

00:18:36,665 --> 00:18:37,065

ASTRONAUTS.

549

00:18:37,065 --> 00:18:38,767

>> NOW WE HAVEN'T LAUNCHED

550

00:18:38,767 --> 00:18:41,003

ASTRONAUTS FROM THE U.S. SOIL TO

551
00:18:41,003 --> 00:18:41,737
THE INTERNATIONAL SPACE STATION

552
00:18:41,737 --> 00:18:43,405
SINCE THE SPACE SHUTTLE ATLANTIS

553
00:18:43,405 --> 00:18:44,940
LANDED IN 2011.

554
00:18:44,940 --> 00:18:46,608
TODAY'S LAUNCH IS A MAJOR TEST

555
00:18:46,608 --> 00:18:48,577
TO HELP US RESTORE THAT

556
00:18:48,577 --> 00:18:50,112
CAPABILITY TO AMERICA WITH THE

557
00:18:50,112 --> 00:18:52,281
IDEA THAT ONE DAY SPACE SHUTTLE

558
00:18:52,281 --> 00:18:54,449
WON'T JUST BE FOR NASA

559
00:18:54,449 --> 00:18:55,150
ASTRONAUTS.

560
00:18:55,150 --> 00:19:00,055
>> STAGE 2, READY FOR FLIGHT.

561
00:19:00,055 --> 00:19:00,889
>> GROUND CREW --

562
00:19:00,889 --> 00:19:02,291
>> GO FOR LAUNCH.

563
00:19:02,291 --> 00:19:03,926

>> THE FROG OF THE COMMERCIAL

564

00:19:03,926 --> 00:19:06,261

CREW PROGRAM IS TO RETURN TO OUR

565

00:19:06,261 --> 00:19:09,431

NATION THE CAPABILITY TO FLY OUR

566

00:19:09,431 --> 00:19:10,499

ASTRONAUTS TO THE INTERNATIONAL

567

00:19:10,499 --> 00:19:14,837

SPACE STATION.

568

00:19:14,837 --> 00:19:16,438

5, 4, 3 --

569

00:19:16,438 --> 00:19:18,607

>> COMMERCIAL CREW PROGRAM, IS

570

00:19:18,607 --> 00:19:20,976

AN ENTIRELY NEW ERA.

571

00:19:20,976 --> 00:19:21,810

>> LIFTOFF.

572

00:19:26,081 --> 00:19:23,712

>>

573

00:19:26,081 --> 00:19:27,716

MORE FROM AMERICAN SOILABLE AS

574

00:19:27,716 --> 00:19:29,251

THE NATION BEGINS A NEW CHAPTER

575

00:19:29,251 --> 00:19:30,986

OF SPACE EXPLORATION.

576

00:19:30,986 --> 00:19:32,955

>> UP UNTIL NOW IT HAS BEEN

577

00:19:32,955 --> 00:19:34,156

GOVERNMENT THAT HAVE SENT PEOPLE

578

00:19:34,156 --> 00:19:35,157

INTO SPACE AND, YOU KNOW,

579

00:19:35,157 --> 00:19:36,925

WORKING WITH OUR NASA PARTNERS

580

00:19:36,925 --> 00:19:38,060

WERE ON THE DOORSTEP OF BEING

581

00:19:38,060 --> 00:19:39,661

ABLE TO OPEN IT UP TO A MUCH

582

00:19:39,661 --> 00:19:41,296

GREATER POPULATION.

583

00:19:41,296 --> 00:19:42,865

>> IT IS NOT OFTEN THAT YOU GET

584

00:19:42,865 --> 00:19:45,200

TO BE PART OF DEVELOPING A

585

00:19:45,200 --> 00:19:48,136

SPACECRAFT FROM SCRATCH THAT

586

00:19:48,136 --> 00:19:49,438

COMES ALONG AFTER MANY DECADE.

587

00:19:49,438 --> 00:19:52,507

>> BOTH 0 OF OUR COMPANIES,

588

00:19:52,507 --> 00:19:55,878

BOEING AND SPACEX ARE INCREDIBLY

589

00:19:55,878 --> 00:19:56,411

CAPABLE COMPANIES.

590

00:19:56,411 --> 00:19:58,046

>> IT IS GREAT TO SEE THE

591

00:19:58,046 --> 00:19:59,014

HARDWARE COME TOGETHER AND SEE

592

00:19:59,014 --> 00:20:00,349

THE EXCITEMENT OF THE

593

00:20:00,349 --> 00:20:02,217

TECHNICIANS AND OF THE

594

00:20:02,217 --> 00:20:03,585

ENGINEERS, IT IS GOING TO BE

595

00:20:03,585 --> 00:20:05,520

WONDERFUL TO SEE THE CROWDS COME

596

00:20:05,520 --> 00:20:08,523

BACK.

597

00:20:11,760 --> 00:20:09,091

>>

598

00:20:11,760 --> 00:20:13,562

PUBLIC KIND OF REENGAGED ON

599

00:20:13,562 --> 00:20:14,830

HUMAN SPACEFLIGHT AGAIN.

600

00:20:14,830 --> 00:20:17,366

>> TRANSPORTATION TO LOW EARTH

601
00:20:17,366 --> 00:20:18,567
ORBIT IS SUPER IMPORTANT TO

602
00:20:18,567 --> 00:20:19,835
HUMANS BECAUSE RIGHT NOW THAT IS

603
00:20:19,835 --> 00:20:20,936
WHERE WE ARE OPERATING AND DOING

604
00:20:20,936 --> 00:20:23,138
A LOT OF OUR WORK IN SPACE.

605
00:20:23,138 --> 00:20:23,906
THE INTERNATIONAL SPACE STATION,

606
00:20:23,906 --> 00:20:25,274
ONE OF THE NATION'S GREAT ASSETS

607
00:20:25,274 --> 00:20:27,509
FOR RESEARCH AND DISCOVERY IS IN

608
00:20:27,509 --> 00:20:28,310
LOW EARTH ORBIT.

609
00:20:28,310 --> 00:20:30,145
>> THE COMMERCIAL CREW PROGRAM

610
00:20:30,145 --> 00:20:32,180
WILL PROVIDE TRANSPORTATION TO

611
00:20:32,180 --> 00:20:34,950
ISS TO SUPPORT THAT FIRST STEP

612
00:20:34,950 --> 00:20:36,318
AS A GATEWAY TO SPACE.

613
00:20:36,318 --> 00:20:37,586

I THINK WE WILL HAVE A LOT MORE

614

00:20:37,586 --> 00:20:38,720

OPPORTUNITY TO DO THE

615

00:20:38,720 --> 00:20:39,922

EXPLORATION RESEARCH THAT WE

616

00:20:39,922 --> 00:20:41,657

NEED TO GET US TO THE MOON AND

617

00:20:41,657 --> 00:20:44,359

TO MARS AND BEYOND, THERE IS A

618

00:20:44,359 --> 00:20:45,560

LARGER GROUP OF US THAT ARE

619

00:20:45,560 --> 00:20:47,362

DREAMING THAT POTENTIALLY COULD

620

00:20:47,362 --> 00:20:48,697

HAVE A RIDE SOME DAY AND BE

621

00:20:48,697 --> 00:20:50,866

WORKING IN SPACE:IT IS A HUGE

622

00:20:50,866 --> 00:20:53,335

POLL, A HUGE ACCOMPLISHMENT FOR

623

00:20:53,335 --> 00:20:55,537

BOTH THE PARTNERS, NASA, AND THE

624

00:20:55,537 --> 00:20:57,906

UNITED STATES OF AMERICA.

625

00:20:57,906 --> 00:20:59,775

>> THIS IS JUST THE BEGINNING.

626
00:20:59,775 --> 00:21:04,046
>> I KNOW THE GREATEST EVENT IN

627
00:21:04,046 --> 00:21:05,714
SPACE EXPLORATIONS HAVE NOT

628
00:21:05,714 --> 00:21:07,049
HAPPENED YET AND THAT OUR

629
00:21:07,049 --> 00:21:11,386
DESTINY LOWS ABOVE US.

630
00:21:18,327 --> 00:21:16,325
>>

631
00:21:18,327 --> 00:21:19,995
PROGRAMS WE GAVE VERY

632
00:21:19,995 --> 00:21:21,163
PRESCRIPTIVE REQUIREMENTS FOR

633
00:21:21,163 --> 00:21:23,598
COMMERCIAL CREW, NASA SET HIGH

634
00:21:23,598 --> 00:21:25,300
LEVEL REQUIREMENTS BASED ON OUR

635
00:21:25,300 --> 00:21:27,302
50 YEARS OF HUMAN SPACEFLIGHT

636
00:21:27,302 --> 00:21:28,337
EXPERIENCE FOR BOEING AND SPACEX

637
00:21:28,337 --> 00:21:29,538
TO MEET.

638
00:21:29,538 --> 00:21:31,239

OUR PARTNERS TOOK THOSE HIGH

639

00:21:31,239 --> 00:21:32,641

LEVEL REQUIREMENTS AND

640

00:21:32,641 --> 00:21:34,343

INTRODUCED A TECHNOLOGIES,

641

00:21:34,343 --> 00:21:37,079

PROCEDURES AND OUT OF THE BOX

642

00:21:37,079 --> 00:21:38,313

THINKING WE HAVE COME TO EXPECT

643

00:21:38,313 --> 00:21:39,815

IN THE AMERICAN AEROSPACE

644

00:21:39,815 --> 00:21:40,182

INDUSTRY.

645

00:21:40,182 --> 00:21:41,283

>> SPACEX IS ONE OF THE

646

00:21:41,283 --> 00:21:42,751

COMPANIES THAT NASA ULTIMATELY

647

00:21:42,751 --> 00:21:44,753

CHOSE TO ACHIEVE GOAL AND WE

648

00:21:44,753 --> 00:21:46,588

HAVE HAVE BEEN ABLE TO INTRODUCE

649

00:21:46,588 --> 00:21:47,556

INNOVATIVE IDEAS IN

650

00:21:47,556 --> 00:21:49,024

COLLABORATION WITH NASA AND

651
00:21:49,024 --> 00:21:50,292
TOGETHER WE HAVE FIND CREW DRAG

652
00:21:50,292 --> 00:21:51,960
BONN TO BE ONE OF THE SAFEST

653
00:21:51,960 --> 00:21:54,730
HUMAN SPACE FLIGHT SYSTEMS EVER

654
00:21:54,730 --> 00:21:55,030
FLOWN.

655
00:21:55,030 --> 00:21:56,498
DRAGON AND FALCON 9 TOGETHER

656
00:21:56,498 --> 00:21:58,233
HAVE YEARS OF OPERATIONAL

657
00:21:58,233 --> 00:21:59,601
EXPERIENCE OR WHAT WE REFER TO

658
00:21:59,601 --> 00:22:00,802
AS FLIGHT HERITAGE.

659
00:22:00,802 --> 00:22:02,938
THE CREW DRAG GONE BUILDS ON OUR

660
00:22:02,938 --> 00:22:04,539
CARGO DRAGON 17 SUCCESSFUL

661
00:22:04,539 --> 00:22:07,142
FLIGHTS TO AND FROM ORBIT SINCE

662
00:22:07,142 --> 00:22:09,177
2010, INCLUDING 16 TRIPS TO THE

663
00:22:09,177 --> 00:22:10,879

INTERNATIONAL SPACE STATION.

664

00:22:10,879 --> 00:22:12,180

NOT ONLY HAVE WE CONDUCTED

665

00:22:12,180 --> 00:22:13,548

THOUSANDS OF HOURS OF TESTING,

666

00:22:13,548 --> 00:22:16,051

WE HAVE ALSO ENHANCED AND ADD

667

00:22:16,051 --> 00:22:17,519

ADD NUMBER OF SAFETY FEATURES.

668

00:22:17,519 --> 00:22:20,122

AS AN EXAMPLE, DRAGON NOW HAS

669

00:22:20,122 --> 00:22:21,456

ENHANCED AND ADDITIONAL

670

00:22:21,456 --> 00:22:22,124

PARACHUTES, WE USED TO HAVE

671

00:22:22,124 --> 00:22:24,126

THREE AND WE ADDED A FOURTH ONE

672

00:22:24,126 --> 00:22:27,162

FOR A REDUNDANCY ONE OF THE MOST

673

00:22:27,162 --> 00:22:28,096

IMPORTANT FEATURES ON CREW

674

00:22:28,096 --> 00:22:29,564

DRAGON IS OUR LAUNCH ESCAPE

675

00:22:29,564 --> 00:22:31,266

SYSTEM WHICH IS A HUGE

676
00:22:31,266 --> 00:22:32,300
ADVANCEMENT IN THE SAFETY OF

677
00:22:32,300 --> 00:22:33,835
HUMAN SPACE FLIGHT.

678
00:22:33,835 --> 00:22:35,504
IN 2015, WE DEMONSTRATED THE

679
00:22:35,504 --> 00:22:37,572
SYSTEM DURING OUR PAD ABORT

680
00:22:37,572 --> 00:22:38,874
TEST, NOW THE LAUNCH ESCAPE

681
00:22:38,874 --> 00:22:41,076
SYSTEM IS OUTFITTED WITH EIGHT

682
00:22:41,076 --> 00:22:44,579
SUPER DRACO ENGINES DIRECTLY

683
00:22:44,579 --> 00:22:46,381
INTEGRATED INTO THE SPACECRAFT

684
00:22:46,381 --> 00:22:48,750
BODY ENABLES THEM TO MAINTAIN

685
00:22:48,750 --> 00:22:49,818
ESCAPE CAPABILITY FROM THE

686
00:22:49,818 --> 00:22:51,219
LAUNCHPAD ALL THE WAY TO ORBIT A

687
00:22:51,219 --> 00:22:52,687
FEATURE NO OTHER SPACECRAFT IN

688
00:22:52,687 --> 00:22:54,056

HISTORY HAS EVER POSSESSED.

689

00:22:54,056 --> 00:22:56,024

>> NOW FOLLOWING THE SUCCESS OF

690

00:22:56,024 --> 00:22:58,193

THIS IN ADDITION BUT BEFORE DEMO

691

00:22:58,193 --> 00:23:00,829

2, SPACEX WILL CONDUCT AN

692

00:23:00,829 --> 00:23:02,664

INFLIGHT ABORT TEST WHICH WILL

693

00:23:02,664 --> 00:23:03,932

IMPROVE THE ESCAPE CAPABILITIES

694

00:23:03,932 --> 00:23:05,901

DURING ASCENT, THIS WILL TELL US

695

00:23:05,901 --> 00:23:07,102

NOT ONLY HOW DRAG GONE WILL

696

00:23:07,102 --> 00:23:08,503

PERFORM BUT WHAT THE ASTRONAUTS

697

00:23:08,503 --> 00:23:09,671

WILL ACTUALLY EXPERIENCE IF

698

00:23:09,671 --> 00:23:11,940

THERE WERE AN ACTUAL EMERGENCY.

699

00:23:11,940 --> 00:23:14,443

AFTER THESE TESTS, THE NASA AND

700

00:23:14,443 --> 00:23:15,710

SPACEX TEAM WILL REVIEW ALL OF

701
00:23:15,710 --> 00:23:17,546
THE DATA AND VERIFY ALL OF THE

702
00:23:17,546 --> 00:23:20,749
SYSTEMS ABOARD HAVE OPERATED AS

703
00:23:20,749 --> 00:23:21,650
DESIGNED.

704
00:23:21,650 --> 00:23:22,918
THIS EXTREMELY IMPORTANT STEP

705
00:23:22,918 --> 00:23:24,586
ALLOWS NASA TO VERIFY THAT

706
00:23:24,586 --> 00:23:26,054
SPACE X IS MEETING OUR

707
00:23:26,054 --> 00:23:27,222
REQUIREMENTS AND CAN BE

708
00:23:27,222 --> 00:23:28,490
CERTIFIED TO CARRY OUR

709
00:23:28,490 --> 00:23:30,258
ASTRONAUTS SAFELY TO AND FROM

710
00:23:30,258 --> 00:23:31,793
THE SPACE STATION.

711
00:23:31,793 --> 00:23:33,495
THE FIRST TWO CREW MEMBERS WHO

712
00:23:33,495 --> 00:23:35,230
WILL FLY ABOARD CREW DRAGON WILL

713
00:23:35,230 --> 00:23:38,667

BE NASA ASTRONAUTS BOB BY THE BD

714

00:23:38,667 --> 00:23:43,538

BOB HURLEY ON THE DEMO

715

00:23:43,538 --> 00:23:43,972

2 SPACECRAFT.

716

00:23:43,972 --> 00:23:45,841

>> AND THEN THE NEXT CREW DRAGON

717

00:23:45,841 --> 00:23:48,443

MISSION WITH TWO INTERNATIONAL

718

00:23:48,443 --> 00:23:49,744

PARTNER CREW MEMBERS WHO HAVE

719

00:23:49,744 --> 00:23:50,745

NOT YET BEEN ANNOUNCED.

720

00:23:50,745 --> 00:23:52,647

>> THESE NASA ASTRONAUTS WILL

721

00:23:52,647 --> 00:23:54,416

NOT ONLY BE THE FIRST TO FLY ON

722

00:23:54,416 --> 00:23:55,884

CREW DRAG GONE, BUT THEY ARE

723

00:23:55,884 --> 00:23:57,819

ALSO CONTINUING THE MISSION OF

724

00:23:57,819 --> 00:23:59,087

THE INTERNATIONAL SPACE STATION

725

00:23:59,087 --> 00:24:00,822

WHICH IS OUR PREHER ORBITAL

726

00:24:00,822 --> 00:24:01,223

LABORATORY.

727

00:24:01,223 --> 00:24:02,624

>> IT PROVIDES AN ENVIRONMENT TO

728

00:24:02,624 --> 00:24:03,825

REALLY LEARN WHAT IT TAKES FOR

729

00:24:03,825 --> 00:24:06,328

HUMANS TO LIVE IN SPACE FOR LONG

730

00:24:06,328 --> 00:24:07,362

PERIODS, FOR LONG PERIODS THAT

731

00:24:07,362 --> 00:24:09,331

WE WILL HAVE TO DO WHEN WE GO

732

00:24:09,331 --> 00:24:10,398

BEYOND LOW EARTH ORBIT.

733

00:24:10,398 --> 00:24:11,666

>> LET'S TAKE A QUICK LOOK AT

734

00:24:11,666 --> 00:24:13,502

THE HISTORY OF THE SPACE STATION

735

00:24:13,502 --> 00:24:15,470

AND ITS ROLE IN FURTHERING HUMAN

736

00:24:15,470 --> 00:24:17,239

SPACE EXPLORATION.

737

00:24:17,239 --> 00:24:20,041

>> THE INTERNATIONAL SPACE

738

00:24:20,041 --> 00:24:22,110

STATION, A FOOTBALL FIELD SIZED

739

00:24:22,110 --> 00:24:24,546

MILLION POUND LABORATORY FLYING

740

00:24:24,546 --> 00:24:27,349

AROUND PLANET EARTH AT

741

00:24:27,349 --> 00:24:28,383

17,500 MILES PER HOUR.

742

00:24:28,383 --> 00:24:30,719

>> IT IS OUR HOME IN LOW EARTH

743

00:24:30,719 --> 00:24:31,920

ORBIT AND THE BRIDGE TO

744

00:24:31,920 --> 00:24:33,488

EXPLORING THE FAR REACHES OF OUR

745

00:24:33,488 --> 00:24:35,090

SOLAR SYSTEM.

746

00:24:35,090 --> 00:24:37,092

A PLACE TO LEARN WHAT IT TAKES

747

00:24:37,092 --> 00:24:41,630

TO LIVE, TO WORK, TO THRIVE IN

748

00:24:41,630 --> 00:24:41,963

SPACE.

749

00:24:41,963 --> 00:24:44,299

>> THANKS TO SPACE AGENCIES

750

00:24:44,299 --> 00:24:45,033

REPRESENTING MORE THAN A DOZEN

751
00:24:45,033 --> 00:24:46,968
COUNTRIES AROUND THE WORLD, IT

752
00:24:46,968 --> 00:24:48,537
WENT FROM THE DRAWING BOARD TO

753
00:24:48,537 --> 00:24:50,805
LIFTOFF WHEN THE FIRST PIECE

754
00:24:50,805 --> 00:24:52,974
FLEW INTO SPACE IN TAKEN FIN

755
00:24:52,974 --> 00:24:53,275
EIGHT.

756
00:24:53,275 --> 00:24:56,244
THAT KICKED OFF OVER A DECADE OF

757
00:24:56,244 --> 00:24:57,179
CONSTRUCTION, HAULING THE

758
00:24:57,179 --> 00:24:59,247
STATION TO ORBIT PIECE BY PIECE

759
00:24:59,247 --> 00:25:01,016
ON NASA'S SPACE SHUTTLE AND

760
00:25:01,016 --> 00:25:01,883
RUSSIAN ROCKETS.

761
00:25:01,883 --> 00:25:04,519
>> AND AFTER THE FIRST CREW RIDE

762
00:25:04,519 --> 00:25:07,556
IN NOVEMBER 2000, WE STARTED AN

763
00:25:07,556 --> 00:25:09,891

UNBROKEN STREAK OF HUMANS

764

00:25:09,891 --> 00:25:11,226

WORKING AND LIVING IN SPACE.

765

00:25:11,226 --> 00:25:13,695

BUILDING ON THE LEGACY OF PAST

766

00:25:13,695 --> 00:25:18,333

OUTPOSTS LIKE SKY LAB AND MUIR

767

00:25:18,333 --> 00:25:19,100

THE INTERNATIONAL SPACE STATION

768

00:25:19,100 --> 00:25:21,236

BEGAN THE TRAINING GROUND FOR

769

00:25:21,236 --> 00:25:23,205

HUMANITY'S NEXT GREAT JOURNEY,

770

00:25:23,205 --> 00:25:24,439

LIVING, LEARNING TO LIVE IN

771

00:25:24,439 --> 00:25:25,774

SPACE FOR EXTREME PERIODS

772

00:25:25,774 --> 00:25:27,576

OVERTIME, BUILDING AND

773

00:25:27,576 --> 00:25:29,444

PERFECTING THE TECHNOLOGIES

774

00:25:29,444 --> 00:25:31,179

NECESSARY TO TRAVEL TO OUR

775

00:25:31,179 --> 00:25:32,280

NEIGHBORS IN THE SOLAR SEASONAL,

776

00:25:32,280 --> 00:25:34,316

IT GAVE US A PLACE ON OUR

777

00:25:34,316 --> 00:25:35,517

DOORSTEP TO PREPARE FOR NEXT

778

00:25:35,517 --> 00:25:36,785

GIANT LEAP INTO THE UNKNOWN.

779

00:25:36,785 --> 00:25:38,353

AND THANKS TO THE STATION, A NEW

780

00:25:38,353 --> 00:25:41,523

ERA IN OUTER SPACE IS UNFOLDING.

781

00:25:41,523 --> 00:25:43,425

WHAT WAS ONCE THE DOMAIN OF ONLY

782

00:25:43,425 --> 00:25:45,860

NATIONS AND GOVERNMENTS IS NOW

783

00:25:45,860 --> 00:25:47,028

POPULATED BY A BROGUE SPACE

784

00:25:47,028 --> 00:25:49,931

FLEET FROM AMERICAN INDUSTRY.

785

00:25:49,931 --> 00:25:51,366

PRIVATE SPACECRAFT TO ANY CAR

786

00:25:51,366 --> 00:25:54,269

KNOW/FOE AND CREW MEMBERS, NEW

787

00:25:54,269 --> 00:25:55,637

HABITATS AND TECH NOZZLE FOR

788

00:25:55,637 --> 00:25:57,672

FUTURE SPACE MISSIONS AND AN

789

00:25:57,672 --> 00:26:00,842

OPEN DOOR FOR COMPANIES RESEARCH

790

00:26:00,842 --> 00:26:01,943

INSTITUTIONS AND EVEN STUDENTS

791

00:26:01,943 --> 00:26:04,312

AROUND THE WORLD TO DO RESEARCH

792

00:26:04,312 --> 00:26:06,982

IN SPACE THAT HAVE NEVER HAD THE

793

00:26:06,982 --> 00:26:08,516

OPPORTUNITY BEFORE.

794

00:26:08,516 --> 00:26:10,418

>> ALL LAYING THE FOUNDATION FOR

795

00:26:10,418 --> 00:26:13,255

A ROBUST ECONOMY IN SPACE.

796

00:26:13,255 --> 00:26:16,091

>> THERE HAVE BEEN THOUSANDS OF

797

00:26:16,091 --> 00:26:18,660

EXPERIMENTS, HUNDREDS OF

798

00:26:18,660 --> 00:26:20,495

SPACEWALKS, ENDLESS HOURS OF

799

00:26:20,495 --> 00:26:22,530

CHALLENGES AND SUCCESSES, ALL

800

00:26:22,530 --> 00:26:24,599

WELL BY HUMANS HAILING FROM

801
00:26:24,599 --> 00:26:26,901
COUNTRIES AROUND THE GLOBE.

802
00:26:26,901 --> 00:26:27,669
THE INTERNATIONAL SPACE STATION

803
00:26:27,669 --> 00:26:29,471
IS WHAT WE CAN ACHIEVE AS A

804
00:26:29,471 --> 00:26:30,705
PLANET WHEN WE COME TOGETHER TO

805
00:26:30,705 --> 00:26:32,907
DO THE THINGS THAT ARE HARD.

806
00:26:32,907 --> 00:26:35,744
AND THE WORK ISN'T FLOWING DOWN.

807
00:26:35,744 --> 00:26:37,412
BECAUSE WE ARE READY FOR THE

808
00:26:37,412 --> 00:26:38,813
NEXT JOINT LEAP.

809
00:26:38,813 --> 00:26:41,283
BECAUSE WE ARE READY TO GO

810
00:26:41,283 --> 00:26:41,650
FARTHER.

811
00:26:41,650 --> 00:26:42,851
BECAUSE WHAT WE DO AND LEARN

812
00:26:42,851 --> 00:26:45,987
ALONG THE WAY IS FOR THE BENEFIT

813
00:26:45,987 --> 00:26:49,824

OF ALL OF HUMAN KIND.

814

00:26:49,824 --> 00:26:51,826

>> WE CLEARLY HAVE AN AMAZING

815

00:26:51,826 --> 00:26:53,428

RESPONSIBILITY TO CONTINUE THIS

816

00:26:53,428 --> 00:26:54,996

RESEARCH ON THE INTERNATIONAL

817

00:26:54,996 --> 00:26:56,097

SPACE STATION AND THAT'S WHAT

818

00:26:56,097 --> 00:26:57,532

DROVE THE CREATION OF THE

819

00:26:57,532 --> 00:26:58,199

COMMERCIAL CREW PROGRAM.

820

00:26:58,199 --> 00:27:00,835

>> AND RIGHT NOW, WE ARE ABOUT T

821

00:27:00,835 --> 00:27:02,070

MINUS 22 MINUTES AND 30-SECONDS

822

00:27:02,070 --> 00:27:03,271

AWAY FROM SEEING OUR FIRST

823

00:27:03,271 --> 00:27:05,273

LAUNCH AS PART OF COMMERCIAL

824

00:27:05,273 --> 00:27:05,573

CREW.

825

00:27:05,573 --> 00:27:07,475

SO LET'S CHECK IN WITH LAUREN

826
00:27:07,475 --> 00:27:08,743
AND DAN TO HEAR MORE ABOUT

827
00:27:08,743 --> 00:27:12,180
TODAY'S MISSION.

828
00:27:12,180 --> 00:27:14,082
>> THANK YOU, GUYS.

829
00:27:14,082 --> 00:27:16,818
SO FOR DEMO-1, DRAGON'S ROUGH

830
00:27:16,818 --> 00:27:18,053
TRIP IS ROUGHLY SIX DAYS IN A

831
00:27:18,053 --> 00:27:21,389
YOUR HONOR THINK THAT IS --

832
00:27:21,389 --> 00:27:24,659
[CHEERS AND APPLAUSE]

833
00:27:26,861 --> 00:27:24,893
>>

834
00:27:26,861 --> 00:27:29,831
AS WE AWAIT THAT T MINUS ZERO IN

835
00:27:29,831 --> 00:27:31,399
JUST ABOUT 22 MINUTE, THE GROUND

836
00:27:31,399 --> 00:27:32,467
OPERATIONS TEAMS ARE GOING TO BE

837
00:27:32,467 --> 00:27:34,269
DOING A SERIES OF SYSTEM CHECKS,

838
00:27:34,269 --> 00:27:36,171

JUST TO MAKE SURE BOTH DRAGON

839

00:27:36,171 --> 00:27:37,906

AND FALCON 9 ARE READY FOR

840

00:27:37,906 --> 00:27:38,273

LIFTOFF.

841

00:27:38,273 --> 00:27:41,409

THE MOMENT WE HIT T MINUS ZERO

842

00:27:41,409 --> 00:27:43,912

AND A SUCCESSFUL LAUNCH OCCURS

843

00:27:43,912 --> 00:27:45,447

WE WILL WATCH THEM MAKE THEIR

844

00:27:45,447 --> 00:27:46,748

ASCENT IN FIRST AND SECOND

845

00:27:46,748 --> 00:27:48,083

STAGES SEPARATE AND SEND DRAGON

846

00:27:48,083 --> 00:27:49,718

ON ITS WAY TO THE SPACE STATION.

847

00:27:49,718 --> 00:27:52,487

>> THE AT THIS TIME, THE

848

00:27:52,487 --> 00:27:54,122

OPERATORS WILL PREPARE ORBIT AND

849

00:27:54,122 --> 00:27:55,590

DRAG GONE WILL EXECUTE A SERIES

850

00:27:55,590 --> 00:27:57,792

OF BURNS THAT GRADUALLY RAISE

851
00:27:57,792 --> 00:27:59,427
THE ORBIT TO ALIGN FOR CLOSELY

852
00:27:59,427 --> 00:28:00,395
WITH THE SPACE STATION.

853
00:28:00,395 --> 00:28:01,696
AS YOU CAN SEE ON THE ANIMATION

854
00:28:01,696 --> 00:28:03,098
RIGHT HERE ON THE SCREEN A

855
00:28:03,098 --> 00:28:04,899
DRAGON APPROACH ISS IT WILL PULL

856
00:28:04,899 --> 00:28:07,102
A FEW TIPS BEFORE MAKING ONE

857
00:28:07,102 --> 00:28:08,536
FINAL PUSH TOWARD THE SPACE

858
00:28:08,536 --> 00:28:09,971
STATION, PUTTING DRAGON INTO THE

859
00:28:09,971 --> 00:28:12,607
SAME ORBITAL PLANE AS IT

860
00:28:12,607 --> 00:28:13,608
PREPARES FOR DOCKING MANEUVERS.

861
00:28:13,608 --> 00:28:15,176
>> NEXT DRAGON WILL MAKE ITS

862
00:28:15,176 --> 00:28:16,644
APPROACH AND ACTUALLY DOCK WITH

863
00:28:16,644 --> 00:28:18,179

THE SPACE STATION.

864

00:28:18,179 --> 00:28:19,247

IT IS GOING TO BE A VERY

865

00:28:19,247 --> 00:28:20,048

DIFFERENT PROCESS FROM WHAT WE

866

00:28:20,048 --> 00:28:22,150

HAVE SEEN WITH DRAGON CAR POE

867

00:28:22,150 --> 00:28:23,051

DELIVERIES THIS THE FAST WHICH

868

00:28:23,051 --> 00:28:25,954

USED A PROCESS CALLED BERTHING

869

00:28:25,954 --> 00:28:27,355

WHICH REQUIRES SOMEBODY TO BE ON

870

00:28:27,355 --> 00:28:29,691

THE STATION TO GRAB IT WITH A

871

00:28:29,691 --> 00:28:30,325

ROBOTIC ARM.

872

00:28:30,325 --> 00:28:31,693

WITH DOCKING NOT NECESSARY IT

873

00:28:31,693 --> 00:28:34,596

WILL FLY IN ON ALL ON ITS OWN.

874

00:28:34,596 --> 00:28:36,765

DRAG GONE WILL SPEND FIVE DAYS

875

00:28:36,765 --> 00:28:40,001

ON THE ISS BEFORE RETURNING

876
00:28:40,001 --> 00:28:40,301
HOME.

877
00:28:40,301 --> 00:28:41,803
AFTER THE SUCCESSFUL COMPLETION

878
00:28:41,803 --> 00:28:42,837
OF THE CARGO LOADING OPERATION

879
00:28:42,837 --> 00:28:44,773
IT IS ISS CREW ON BOARD WILL

880
00:28:44,773 --> 00:28:47,842
CLOSE TOUT KABOB, PERFORM FINAL

881
00:28:47,842 --> 00:28:48,910
SYSTEM CHECKS AND PREPARE

882
00:28:48,910 --> 00:28:50,145
VEHICLE FOR UNDOCKING.

883
00:28:50,145 --> 00:28:51,913
ONCE THE UNDOCKING SEQUENCE IS

884
00:28:51,913 --> 00:28:55,216
CROAT, DRAGON WILL GO THROUGH

885
00:28:55,216 --> 00:28:57,152
DEPARTURE BURNS USING ON BOARD

886
00:28:57,152 --> 00:28:58,286
DRACO ENGINE PUSHING IT AWAY

887
00:28:58,286 --> 00:28:58,920
FROM THE SPACE STATION.

888
00:28:58,920 --> 00:29:02,090

>> NEXT OF ITS TRIP HOME IS

889

00:29:02,090 --> 00:29:03,525

ORBIT, ENTRY AND SPLASHDOWN AND

890

00:29:03,525 --> 00:29:05,059

THAT IS GOING TO COVER ALL

891

00:29:05,059 --> 00:29:07,228

OPERATIONS FOLLOWING THE FINAL

892

00:29:07,228 --> 00:29:09,063

DEPARTURE MANEUVER, INCLUDING

893

00:29:09,063 --> 00:29:11,299

THE TRUMPING SEPARATION, CLOSURE

894

00:29:11,299 --> 00:29:14,102

OF THE NOSE COHEN, DELOITTE OF

895

00:29:14,102 --> 00:29:16,337

THE MAIN PARACHUTE AND SPLASH

896

00:29:16,337 --> 00:29:19,307

DOWN AT WHICH TEAMS FROM SPACEX

897

00:29:19,307 --> 00:29:21,142

WILL MOVE IN AND RECOVER DRAG

898

00:29:21,142 --> 00:29:22,210

GONE FROM THE WATER.

899

00:29:22,210 --> 00:29:23,178

WHAT WE CAN EXPECT ON THIS

900

00:29:23,178 --> 00:29:24,112

MISSION WITHOUT CREW, IT IS

901
00:29:24,112 --> 00:29:25,447
IMPORTANT TO REMEMBER THAT THE

902
00:29:25,447 --> 00:29:27,282
ENTIRE OPERATION IS ALSO A

903
00:29:27,282 --> 00:29:29,083
TRAINING OPPORTUNITY.

904
00:29:29,083 --> 00:29:29,884
WHEN WE HAVE ASTRONAUTS ON

905
00:29:29,884 --> 00:29:33,087
BOARD. SO LET'S GO NOW TO

906
00:29:33,087 --> 00:29:34,589
JENNIFER AT KENNEDY SPACE CENTER

907
00:29:34,589 --> 00:29:35,690
ON MORE OF WHAT IS GOING ON

908
00:29:35,690 --> 00:29:39,494
BEHIND THE SCENES.

909
00:29:39,494 --> 00:29:39,794
>> .

910
00:29:39,794 --> 00:29:41,763
THANK YOU, LAUREN, RIPLEY MAY BE

911
00:29:41,763 --> 00:29:42,831
THE ONLY PASSENGER ON BOARD THIS

912
00:29:42,831 --> 00:29:45,066
TIME BUT OUR NASA AND SPACEX

913
00:29:45,066 --> 00:29:46,401

TEAMS ARE TREATING THIS LAUNCH

914

00:29:46,401 --> 00:29:48,636

AS IF BOB AND DOUG HURLEY ARE

915

00:29:48,636 --> 00:29:50,071

FLYING IN CREW DRAGON, BECAUSE

916

00:29:50,071 --> 00:29:52,440

NEXT TIME THEY WILL BE.

917

00:29:52,440 --> 00:29:55,043

>> ON LAUNCH DAY, WITH THE

918

00:29:55,043 --> 00:29:56,110

COMMERCIAL PARTNERS, AS SOON AS

919

00:29:56,110 --> 00:29:57,879

THE CREW WALKS INTO THIS ROOM,

920

00:29:57,879 --> 00:30:00,281

THE SUIT ROOM, I OFFICIALLY HAND

921

00:30:00,281 --> 00:30:02,283

THEM OVER TO THE PARTNERS OF

922

00:30:02,283 --> 00:30:04,252

SPACEX AND BOEING, OFFICIALLY

923

00:30:04,252 --> 00:30:05,386

TAKES CHARGE OF THE CREW AT THAT

924

00:30:05,386 --> 00:30:05,687

POINT.

925

00:30:05,687 --> 00:30:08,223

>> AS NASA VEHICLE INTEGRATION

926
00:30:08,223 --> 00:30:10,124
TEST OFFICE CHIEF, VETERAN

927
00:30:10,124 --> 00:30:12,160
SHUTTLE ASTRONAUT, SHANE

928
00:30:12,160 --> 00:30:14,128
KIMBROUGH PLAYS A BIG PART THE

929
00:30:14,128 --> 00:30:15,530
INSTILL LAYING THE CREW BEFORE

930
00:30:15,530 --> 00:30:15,864
LAUNCH.

931
00:30:15,864 --> 00:30:17,565
AS TEAMS HAVE BEEN PREPARING FOR

932
00:30:17,565 --> 00:30:19,501
ON CREW DEMO ONE PLIGHT THEY

933
00:30:19,501 --> 00:30:21,436
HAVE BEEN SITTING UP AND

934
00:30:21,436 --> 00:30:22,270
REHEARSING WITH SUPPORT TEAMS

935
00:30:22,270 --> 00:30:26,574
WHAT THEY WILL DO FOR DEMO 21 IS

936
00:30:26,574 --> 00:30:27,876
DUSTING OFF THE QUARANTINE

937
00:30:27,876 --> 00:30:28,243
PLAYBOOK.

938
00:30:28,243 --> 00:30:29,677

WE DIDN'T HAVE TO QUARANTINE THE

939

00:30:29,677 --> 00:30:31,946

CREW NEXT TIME BUT FOR DEMO

940

00:30:31,946 --> 00:30:33,281

2 THERE IS A LOT OF WORK MAKING

941

00:30:33,281 --> 00:30:35,216

SURE THE CREW IS PROTECTED FROM

942

00:30:35,216 --> 00:30:36,684

ANY THREAT THREAT TO THE

943

00:30:36,684 --> 00:30:37,819

PHYSICAL HEALTH LEAD LEADING UP

944

00:30:37,819 --> 00:30:40,054

TO LAUNCH, IT TAKES METICULOUS

945

00:30:40,054 --> 00:30:41,122

PLANNING TO MAKE SURE EVERYONE

946

00:30:41,122 --> 00:30:42,690

WHO COMES THE CONTACT WITH THE

947

00:30:42,690 --> 00:30:43,625

ASTRONAUTS IS MEDICALLY CLEARED

948

00:30:43,625 --> 00:30:44,325

TO DO SO.

949

00:30:44,325 --> 00:30:46,895

>> LAUNCH DAY OPERATIONS, WHILE

950

00:30:46,895 --> 00:30:48,663

THE CREW IS IN QUARANTINE, I

951
00:30:48,663 --> 00:30:50,431
CONTROL THE CREW PRETTY MUCH, SO

952
00:30:50,431 --> 00:30:54,002
FROM L MINUS 14 TO LAUNCH AT A,

953
00:30:54,002 --> 00:30:55,770
THEY ARE NINE, SO TO SPEAK AND

954
00:30:55,770 --> 00:30:56,804
MAKE SURE WE RUN THE SCHEDULES

955
00:30:56,804 --> 00:30:58,907
AND KEEP THEM IN A QUARANTINED

956
00:30:58,907 --> 00:31:00,341
SITUATION, QUARANTINED AND OTHER

957
00:31:00,341 --> 00:31:01,543
PEOPLE ARE NOT COMING UP TO THEM

958
00:31:01,543 --> 00:31:02,844
ON LAUNCH DAY IN PARTICULAR AND

959
00:31:02,844 --> 00:31:03,912
MAKING SURE THEY ARE UP AND

960
00:31:03,912 --> 00:31:05,480
MOVING ALONG, ACCORDING TO THEIR

961
00:31:05,480 --> 00:31:06,781
TIMELINES, SO THEY DON'T GET

962
00:31:06,781 --> 00:31:07,115
BEHIND.

963
00:31:07,115 --> 00:31:08,383

>> AND MAKING SURE THEY HAVE A

964

00:31:08,383 --> 00:31:09,918

CHANCE TO CONNECT WITH THEIR

965

00:31:09,918 --> 00:31:12,921

FAMILIES BEFORE THEY HEAD TO THE

966

00:31:12,921 --> 00:31:14,122

LAUNCHPAD, ONE LAST LOOK AT YOUR

967

00:31:14,122 --> 00:31:15,690

FAMILY AND ONE LAST TIME TO TALK

968

00:31:15,690 --> 00:31:17,559

TO THEM AND TELL THEM YOU LOVE

969

00:31:17,559 --> 00:31:17,859

THEM.

970

00:31:17,859 --> 00:31:19,027

AND YOU WILL BE BACK SEEING

971

00:31:19,027 --> 00:31:20,361

TOADS KIND 0 OF THINGS.

972

00:31:20,361 --> 00:31:22,163

RIGHT NOW THE DEMO 2 CREW IS

973

00:31:22,163 --> 00:31:24,198

CLOSELY MONITORING THE PRELAUNCH

974

00:31:24,198 --> 00:31:25,833

MILESTONES INSIDE OF SPACEX'S

975

00:31:25,833 --> 00:31:27,969

LAUNCH CONTROL CENTER.

976
00:31:27,969 --> 00:31:29,137
INCLUDING PROPELLENT LOADING

977
00:31:29,137 --> 00:31:30,705
THAT FAN JUST A SHORT TIME AGO.

978
00:31:30,705 --> 00:31:32,140
THE CREW IS USING THIS MORNING

979
00:31:32,140 --> 00:31:35,209
TO TRAIN FOR WHAT WILL HAPPEN ON

980
00:31:35,209 --> 00:31:35,877
DEMO 2.

981
00:31:35,877 --> 00:31:36,878
EVERYTHING FROM STRAPPING INTO

982
00:31:36,878 --> 00:31:38,980
THEIR SEATS, TO BEING PREPARED

983
00:31:38,980 --> 00:31:40,515
TO ABORT IN THE UNLIKELY EVENT

984
00:31:40,515 --> 00:31:44,652
OF AN EMERGENCY.

985
00:31:44,652 --> 00:31:46,654
>> THESE KIND REHEARSALS ARE NOT

986
00:31:46,654 --> 00:31:48,556
NEW TO THE TEST SCENES BUT THIS

987
00:31:48,556 --> 00:31:49,691
MORNING'S UNCREWED LAUNCH IS

988
00:31:49,691 --> 00:31:50,925

MORE THAN JUST A STIMULATION, IT

989

00:31:50,925 --> 00:31:52,660

IS THEIR FIRST CHANCE TO

990

00:31:52,660 --> 00:31:54,062

PRACTICE A REAL THING, WE HAVE

991

00:31:54,062 --> 00:31:55,163

TOUCHED ON ALL OF THE

992

00:31:55,163 --> 00:31:56,397

PREPARATION LEADING TO THIS

993

00:31:56,397 --> 00:31:56,931

MOMENT.

994

00:31:56,931 --> 00:31:58,366

LET'S TALK ABOUT WHERE THE CREW

995

00:31:58,366 --> 00:31:59,434

IS HEADING, THE INTERNATIONAL

996

00:31:59,434 --> 00:32:01,169

SPACE STATION.

997

00:32:01,169 --> 00:32:02,971

JOINING ME TO DISCUSS THIS IS

998

00:32:02,971 --> 00:32:04,672

DAVID BRADY, HE IS A SCIENTIST

999

00:32:04,672 --> 00:32:05,807

WITH THE INTERNATIONAL SPACE

1000

00:32:05,807 --> 00:32:06,541

STATION PROGRAM.

1001
00:32:06,541 --> 00:32:07,408
THANK YOU FOR JOINING US.

1002
00:32:07,408 --> 00:32:08,943
>> YOU'RE WELCOME, JENNIFER.

1003
00:32:08,943 --> 00:32:10,378
>> OUR VIEWERS HAVE BEEN

1004
00:32:10,378 --> 00:32:12,080
SUBMITTING QUESTIONS ON SOCIAL

1005
00:32:12,080 --> 00:32:15,016
MEDIA USING THE HASHTAG ASK

1006
00:32:15,016 --> 00:32:15,316
NASA.

1007
00:32:15,316 --> 00:32:19,053
LET'S CHECK THEM OUT.

1008
00:32:19,053 --> 00:32:19,354
OKAY?

1009
00:32:19,354 --> 00:32:21,589
>> FLIP FLOP LIFE 83 SAYS, I

1010
00:32:21,589 --> 00:32:22,657
CAN'T IMAGINE LIFE WITHOUT THE

1011
00:32:22,657 --> 00:32:23,625
SCIENCE YOU BUSINESS ACCOMPLISH

1012
00:32:23,625 --> 00:32:25,059
UP THERE.

1013
00:32:25,059 --> 00:32:26,894

DO YOU THINK THAT THIS WILL HELP

1014

00:32:26,894 --> 00:32:27,996

PROLONG SPACE STATION MISSIONS?

1015

00:32:27,996 --> 00:32:28,963

>> OH, ABSOLUTELY.

1016

00:32:28,963 --> 00:32:30,698

AND IT IS SO EXCITING TO SEE THE

1017

00:32:30,698 --> 00:32:32,266

FOLKS INVOLVED IN THIS, THAT ARE

1018

00:32:32,266 --> 00:32:32,767

OUT THERE.

1019

00:32:32,767 --> 00:32:33,968

THEY ARE SO INTERESTED IN THE

1020

00:32:33,968 --> 00:32:35,036

SCIENCE BECAUSE AFTER ALL, WE

1021

00:32:35,036 --> 00:32:36,938

ARE ALL HERE TO CELEBRATE THE

1022

00:32:36,938 --> 00:32:38,272

HOW, BUT WE NEED TO TALK A

1023

00:32:38,272 --> 00:32:39,774

LITTLE BIT ABOUT THE WHY, AND

1024

00:32:39,774 --> 00:32:42,443

THE WHY IS, THAT SPACE STATION

1025

00:32:42,443 --> 00:32:44,012

EXISTS AS A WORLD CLASS PAT TO

1026

00:32:44,012 --> 00:32:45,146

DO RESEARCH IN SPACE.

1027

00:32:45,146 --> 00:32:47,515

SO WE ARE HOPING THAT OUR CCP

1028

00:32:47,515 --> 00:32:48,282

CAPABILITY IS GOING TO DOUBLE

1029

00:32:48,282 --> 00:32:49,584

THE AMOUNT OF RESEARCH THAT WE

1030

00:32:49,584 --> 00:32:51,319

CAN DO IN TERMS OF TIME.

1031

00:32:51,319 --> 00:32:52,954

NOW YOU MIGHT ASK, HOW CAN YOU

1032

00:32:52,954 --> 00:32:55,056

DOUBLE THE AMOUNT OF RESEARCH BY

1033

00:32:55,056 --> 00:32:56,157

ADDING ONE CREW MEMBER.

1034

00:32:56,157 --> 00:32:57,725

WELL AS YOU KNOW, THE CREW

1035

00:32:57,725 --> 00:32:59,327

SPENDS A LOT OF TIME MAINTAINING

1036

00:32:59,327 --> 00:33:00,728

THE VEHICLE, THEY ALSO HAVE TO

1037

00:33:00,728 --> 00:33:02,363

BE AVAILABILITY FOR SPACEWALKS,

1038

00:33:02,363 --> 00:33:03,865

AND TO EVERY VISITING VEHICLE

1039

00:33:03,865 --> 00:33:06,434

THAT COMES AND GOES THEY ARE AN

1040

00:33:06,434 --> 00:33:07,268

INTEGRAL PART OF THAT.

1041

00:33:07,268 --> 00:33:09,070

ONCE ALL OF THAT IS COVERED,

1042

00:33:09,070 --> 00:33:10,271

ADDING AN OFFICIAL CREW MEMBER

1043

00:33:10,271 --> 00:33:11,839

CAN PROVIDE THE CAPACITY TO DO

1044

00:33:11,839 --> 00:33:13,141

NOTHING ADDITIONAL OTHER THAN

1045

00:33:13,141 --> 00:33:14,676

RESEARCH SO WE ARE VERY EXCITED

1046

00:33:14,676 --> 00:33:15,777

OF THE CAPACITY TO DO THAT

1047

00:33:15,777 --> 00:33:16,744

BECAUSE WE ARE LOOKING FORWARD

1048

00:33:16,744 --> 00:33:18,813

TO EVEN MORE DISCOVERIES,

1049

00:33:18,813 --> 00:33:20,782

ENABLING MORE EXPLORATION,

1050

00:33:20,782 --> 00:33:22,083

DISCOVERING THINGS THAT WILL

1051
00:33:22,083 --> 00:33:23,384
HELP COMMERCIAL COMPANIES AND

1052
00:33:23,384 --> 00:33:24,786
ALSO BENEFITING PEOPLE ON EARTH.

1053
00:33:24,786 --> 00:33:25,420
>> IT IS SO EXOITING.

1054
00:33:25,420 --> 00:33:26,754
>> OH, YES, IT IS REALLY COOL.

1055
00:33:26,754 --> 00:33:28,056
>> LET'S SEE WHAT OUR NEXT

1056
00:33:28,056 --> 00:33:28,856
QUESTION IS.

1057
00:33:28,856 --> 00:33:32,493
>> AT JCS, ALMA DORA ASKS WILL

1058
00:33:32,493 --> 00:33:34,962
ANY CARGO BE RETURNING FROM ISS

1059
00:33:34,962 --> 00:33:36,297
WITH CREW DRAGON BACK TO EARTH?

1060
00:33:36,297 --> 00:33:38,166
>> WE ARE EXPECTING TO BE ABLE

1061
00:33:38,166 --> 00:33:39,867
TO FLY OUT ABOUT 200 POUNDS OF

1062
00:33:39,867 --> 00:33:40,768
CAR KNOW/FOE.

1063
00:33:40,768 --> 00:33:43,104

AND ALSO FLY BACK 100 POUNDS OF

1064

00:33:43,104 --> 00:33:44,605

CARGO, WHICH MAY NOT SEEM LIKE A

1065

00:33:44,605 --> 00:33:46,040

WHOLE LOT BUT ONE OF THE THINGS

1066

00:33:46,040 --> 00:33:47,375

THAT IT WILL BE USEFUL FOR IN

1067

00:33:47,375 --> 00:33:49,444

THE RESEARCH AREA IS THAT, AM,

1068

00:33:49,444 --> 00:33:52,113

WE DO A LOT OF LIFE SCIENCE

1069

00:33:52,113 --> 00:33:53,781

RESEARCH AND THAT LIFE SCIENCE

1070

00:33:53,781 --> 00:33:55,049

RESEARCH IS DEPENDENT ON

1071

00:33:55,049 --> 00:33:56,484

BIOLOGICAL SAMPLES, SO AS YOU

1072

00:33:56,484 --> 00:33:57,919

MIGHT IMAGINE IF YOU ARE A

1073

00:33:57,919 --> 00:33:59,854

RESEARCHER THAT DOES BIOLOGICAL

1074

00:33:59,854 --> 00:34:00,555

RESEARCH, YOU ARE LOOKING

1075

00:34:00,555 --> 00:34:01,656

FORWARD TO GETTING YOUR SAMPLES

1076
00:34:01,656 --> 00:34:03,624
BACK AS OFTEN AS POSSIBLE, SO

1077
00:34:03,624 --> 00:34:05,093
YOU HAVE FLEXIBILITY IN DOING

1078
00:34:05,093 --> 00:34:07,762
YOUR RESEARCH, SO THE NEW CCP

1079
00:34:07,762 --> 00:34:08,429
CAPABILITY, THAT IS ANOTHER

1080
00:34:08,429 --> 00:34:09,697
THING THAT IT WILL PROVIDE FOR

1081
00:34:09,697 --> 00:34:09,964
US.

1082
00:34:09,964 --> 00:34:10,798
>> THAT'S GREAT.

1083
00:34:10,798 --> 00:34:12,767
THAT'S ALL THE TIME WE HAVE,

1084
00:34:12,767 --> 00:34:13,534
UNFORTUNATELY, THANK YOU SO MUCH

1085
00:34:13,534 --> 00:34:14,669
FOR SHARING YOUR INSIGHTS WITH

1086
00:34:14,669 --> 00:34:15,103
OUR VIEWERS.

1087
00:34:15,103 --> 00:34:16,204
>> YOU ARE WELCOME.

1088
00:34:16,204 --> 00:34:17,972

>> LET'S CHECK BACK IN WITH

1089

00:34:17,972 --> 00:34:20,908

STEPHANIE AND SHIVA FOR AN

1090

00:34:20,908 --> 00:34:21,342

UPDATE.

1091

00:34:21,342 --> 00:34:22,577

>> ..

1092

00:34:22,577 --> 00:34:23,745

>> THANKS, BUSINESS.

1093

00:34:23,745 --> 00:34:25,413

WE REALLY LOVE HEARING THE

1094

00:34:25,413 --> 00:34:26,280

QUESTIONS FROM THE FANS OF

1095

00:34:26,280 --> 00:34:27,882

TODAY'S LAUNCH.

1096

00:34:27,882 --> 00:34:29,283

IT IS REALLY AWESOME TO HEAR

1097

00:34:29,283 --> 00:34:29,584

THOSE.

1098

00:34:29,584 --> 00:34:31,085

NOW, WE WOULD BE REMISS IF WE

1099

00:34:31,085 --> 00:34:32,653

DIDN'T TELL YOU ABOUT THE

1100

00:34:32,653 --> 00:34:33,821

STORIED LAUNCHPAD THAT FALCON

1101
00:34:33,821 --> 00:34:35,256
FIN WILL LIFT OFF FROM TODAY

1102
00:34:35,256 --> 00:34:37,458
WHICH IS LAUNCH COMPLEX 39 A.

1103
00:34:37,458 --> 00:34:39,494
IT IS ALSO CALLED PAD A HERE IN

1104
00:34:39,494 --> 00:34:41,596
FLORIDA, AND IT IS THE SITE OF

1105
00:34:41,596 --> 00:34:42,263
MANY HISTORIC LAUNCHES.

1106
00:34:42,263 --> 00:34:44,065
>> IT IS WHERE NASA ASTRONAUTS

1107
00:34:44,065 --> 00:34:47,869
LAUNCH TO THE MOON AND AS DERROL

1108
00:34:47,869 --> 00:34:49,437
IS GOING TO TELL US, IT IS WHERE

1109
00:34:49,437 --> 00:34:51,205
THEY COMPLETED 21ST CENTURY

1110
00:34:51,205 --> 00:34:52,373
MAKEOVER, THE LAUNCH PAD,

1111
00:34:52,373 --> 00:34:53,474
LAUNCHING US INTO THE NEXT

1112
00:34:53,474 --> 00:34:55,810
GENERATION OF HUMAN SPACEFLIGHT.

1113
00:34:55,810 --> 00:34:58,346

>> IN THE 1960S, NASA NODED A

1114

00:34:58,346 --> 00:35:01,682

NEW BIGGER AND BETTER LAUNCHPAD,

1115

00:35:01,682 --> 00:35:02,483

ONE CAPABLE OF SENDING

1116

00:35:02,483 --> 00:35:04,051

ASTRONAUTS ON HISTORIC JOURNEYS

1117

00:35:04,051 --> 00:35:06,788

TO THE MOON AND BACK.

1118

00:35:06,788 --> 00:35:07,255

>> ■

1119

00:35:07,255 --> 00:35:09,490

>> TO GET THERE, THAT NEW PAD

1120

00:35:09,490 --> 00:35:10,424

NEEDED TO BE CAPABLE OF

1121

00:35:10,424 --> 00:35:11,859

LAUNCHING THE MOST POWERFUL

1122

00:35:11,859 --> 00:35:14,762

ROCKET OF ITS TIME, THE MIGHT AT

1123

00:35:14,762 --> 00:35:17,298

THIS SATURN 5.

1124

00:35:17,298 --> 00:35:21,369

>> AND SO IN 1962, NASA BEGAN

1125

00:35:21,369 --> 00:35:24,806

BUILDING THE ANSWER, LAUNCH

1126
00:35:24,806 --> 00:35:28,442
COMPLEX 39 A. AT THE BOTTOM, A

1127
00:35:28,442 --> 00:35:29,777
FLAME TRENCH ONE AND A HALF

1128
00:35:29,777 --> 00:35:31,145
FOOTBALL FIELDS LONG AND ABOVE

1129
00:35:31,145 --> 00:35:32,914
IT, A LAUNCH TOWER CONNECTING TO

1130
00:35:32,914 --> 00:35:38,286
A NEW CONCEPT AT THE TIME,

1131
00:35:38,286 --> 00:35:39,821
VOCALIZED PLATFORMS, WITH HIGHLY

1132
00:35:39,821 --> 00:35:41,823
EXPLOSIVE ROCKET FUEL NEARBY AN

1133
00:35:41,823 --> 00:35:43,157
EMERGENCY ESCAPE SYSTEM WAS

1134
00:35:43,157 --> 00:35:44,792
ADDED, NASA ENGINEERS DESIGNED A

1135
00:35:44,792 --> 00:35:47,228
HIGH SPEED ELEVATOR AND A

1136
00:35:47,228 --> 00:35:49,096
200-FOOT LONG ESCAPE TUBE, DOWN

1137
00:35:49,096 --> 00:35:52,667
TO A BLAST RESISTANT BUNKER,

1138
00:35:52,667 --> 00:35:55,002

40 FEET UNDERGROUND.

1139

00:35:58,739 --> 00:35:55,236

>>

1140

00:35:58,739 --> 00:36:00,508

LAUNCHED THE FIRST SUCCESSFUL

1141

00:36:00,508 --> 00:36:03,244

TEST FIGHT OF AN UNMANNED SATURN

1142

00:36:03,244 --> 00:36:05,646

5 ROCKET THERE PAD 39 A.

1143

00:36:05,646 --> 00:36:07,582

HISTORIC MISSIONS TO THE UPON

1144

00:36:07,582 --> 00:36:09,350

FOLLOWED AND ANOTHER PAD, 39 B

1145

00:36:09,350 --> 00:36:11,552

WAS ADDED.

1146

00:36:11,552 --> 00:36:14,155

>> DECADES LATER, 39 A AND B

1147

00:36:14,155 --> 00:36:16,224

WERE MODIFIED TO SUPPORT A SPACE

1148

00:36:16,224 --> 00:36:17,825

SHUTTLE PROGRAM.

1149

00:36:17,825 --> 00:36:19,393

>> LIFTOFF.

1150

00:36:19,393 --> 00:36:22,263

THE FINAL LIFTOFF OF -- THE

1151
00:36:22,263 --> 00:36:23,965
1980S, ALL THE WAY TO THE LAST

1152
00:36:23,965 --> 00:36:27,435
LAUNCH, IN JULY OF 2011.

1153
00:36:30,872 --> 00:36:27,668
>>

1154
00:36:30,872 --> 00:36:31,806
DARK.

1155
00:36:31,806 --> 00:36:34,642
>> THROW YEARS LATER, PAD 39 A

1156
00:36:34,642 --> 00:36:37,044
GOT A NEW LESS ON LIFE, YOU SEE,

1157
00:36:37,044 --> 00:36:38,613
NASA NO LONGER NEEDED TWO

1158
00:36:38,613 --> 00:36:41,849
LAUNCHPADS SO THEY UPGRADED IT

1159
00:36:41,849 --> 00:36:44,352
AND IN 2014 SPACEX SIGNED A 20

1160
00:36:44,352 --> 00:36:45,620
YEAR LEASE AGREEMENT TO LAUNCH

1161
00:36:45,620 --> 00:36:47,321
THEIR OWN ROCKETS FROM HERE AS

1162
00:36:47,321 --> 00:36:48,789
WELL ASS THOUGHTS, AND THEY WILL

1163
00:36:48,789 --> 00:36:50,925

BE LIFTING OFF FROM THE EXACT

1164

00:36:50,925 --> 00:36:53,361

SAME PLACE, THE SHUTTLE AND AM

1165

00:36:53,361 --> 00:36:54,862

APOLLO ASTRONAUTS ONCE DID.

1166

00:36:54,862 --> 00:36:56,364

>> FIRST SPACEX NEEDED TO

1167

00:36:56,364 --> 00:36:58,399

UPGRADE THE PAD.

1168

00:36:58,399 --> 00:36:59,467

MASSIVE ROTATING SERVICE

1169

00:36:59,467 --> 00:37:01,102

STRUCTURE USED TO LOAD CAR

1170

00:37:01,102 --> 00:37:02,003

KNOW/FOE INTO THE SPACE SHUTTLE

1171

00:37:02,003 --> 00:37:04,939

WAS REMOVED, AND THE MOST RECENT

1172

00:37:04,939 --> 00:37:05,306

EDITION?

1173

00:37:05,306 --> 00:37:07,208

A NEW CREW ACCESS ARM, A MODERN

1174

00:37:07,208 --> 00:37:08,776

FIZZED STEEL AND ALUMINUM

1175

00:37:08,776 --> 00:37:10,311

STRUCTURE SO NASA ASTRONAUTS CAN

1176
00:37:10,311 --> 00:37:12,013
BRIDGE THE DISTANCE BETWEEN THE

1177
00:37:12,013 --> 00:37:15,116
LAUNCH TOWER AND THE DRAGON CREW

1178
00:37:15,116 --> 00:37:15,516
CAPSULE.

1179
00:37:15,516 --> 00:37:17,318
JUST UNDER SIX YEARS AFTER THE

1180
00:37:17,318 --> 00:37:20,221
LAST STATION LAUNCH FIRING SMOKE

1181
00:37:20,221 --> 00:37:22,523
RETURNED TO 39 A, WHEN SPACE X

1182
00:37:22,523 --> 00:37:24,792
LAUNCHED NASA'S TENTH CARGO

1183
00:37:24,792 --> 00:37:26,027
RESUPPLY MISSION TO THE

1184
00:37:26,027 --> 00:37:27,728
INTERNATIONAL SPACE STATION.

1185
00:37:27,728 --> 00:37:29,697
AND A YEAR LATER, SPACE X SHOWED

1186
00:37:29,697 --> 00:37:32,099
OFF THE PAD'S VERSATILITY LAUNCH

1187
00:37:32,099 --> 00:37:34,001
AGO TRIPLE BOOSTER FALCON HEAVY

1188
00:37:34,001 --> 00:37:36,570

ROCKET ON A TEST FLIGHT.

1189

00:37:36,570 --> 00:37:38,739

>> AND THAT HELPED PROPEL THE

1190

00:37:38,739 --> 00:37:40,107

NUMBER OF LAUNCHES HERE OVER THE

1191

00:37:40,107 --> 00:37:43,277

CENTURY MARK AND NASA AND SPACEX

1192

00:37:43,277 --> 00:37:44,812

HAVE A CONTRACT TO SEND

1193

00:37:44,812 --> 00:37:46,781

ASTRONAUTS TO THE INTERNATIONAL

1194

00:37:46,781 --> 00:37:47,982

SPACE STATION HALF A DOZEN TIMES

1195

00:37:47,982 --> 00:37:49,884

AND THEY ARE GOING TO DO IT FROM

1196

00:37:49,884 --> 00:37:53,220

RIGHT HERE AT PAD 39 A.

1197

00:37:53,220 --> 00:37:54,855

>> THE INTER SPACEX TEAM THE

1198

00:37:54,855 --> 00:37:56,424

TRULY HONORED WE ARE GOING TO BE

1199

00:37:56,424 --> 00:37:57,858

LAUNCHING ASTRONAUTS AGAIN FROM

1200

00:37:57,858 --> 00:37:58,259

PAD 39 A.

1201
00:37:58,259 --> 00:37:59,927
>> AND A LITTLE OVER 11 MINUTE,

1202
00:37:59,927 --> 00:38:01,629
LET'S GO BACK TO THIS TEAM IN

1203
00:38:01,629 --> 00:38:03,297
SPACE X HEADQUARTERS IN HAWTHORNE

1204
00:38:03,297 --> 00:38:06,267
FOR AN UPDATE.

1205
00:38:12,239 --> 00:38:06,500
>>

1206
00:38:12,239 --> 00:38:12,840
[CHEERS AND APPLAUSE]

1207
00:38:12,840 --> 00:38:17,278
>> EVERYBODY IS REALLY EXCITED.

1208
00:38:17,278 --> 00:38:19,981
>> -- 2010 IN ORDER TO TRANSPORT

1209
00:38:19,981 --> 00:38:21,515
CREW WE HAD TO MAKE KEY UPGRADES

1210
00:38:21,515 --> 00:38:22,049
TO THE VEHICLE.

1211
00:38:22,049 --> 00:38:23,317
SO IN A SECOND HERE WE WILL GET

1212
00:38:23,317 --> 00:38:25,019
AN IMAGE, OF THE INSIDE OF

1213
00:38:25,019 --> 00:38:25,353

DRAGON.

1214

00:38:25,353 --> 00:38:26,721

ALL RIGHT. SO SOME OF THE

1215

00:38:26,721 --> 00:38:30,291

EASIEST TO SPOT -- DRAGON --

1216

00:38:30,291 --> 00:38:32,093

FIRST NOTICE THE WHITE COMPOSITE

1217

00:38:32,093 --> 00:38:32,460

PANELS.

1218

00:38:32,460 --> 00:38:35,629

THOSE ARE THERE TO CLOSEUP THE

1219

00:38:35,629 --> 00:38:37,765

HABITABLE CABIN SPACE AS WELL AS

1220

00:38:37,765 --> 00:38:41,068

THE COMPONENT BEHIND THOSE

1221

00:38:41,068 --> 00:38:41,402

PANELS.

1222

00:38:41,402 --> 00:38:42,737

ANOTHER VERY NOTICEABLE CHANGE

1223

00:38:42,737 --> 00:38:44,905

IS THAT WE ADDED CARBON FIBER

1224

00:38:44,905 --> 00:38:46,073

SEATS, WHICH ARE CUSTOM SIZED

1225

00:38:46,073 --> 00:38:47,508

FOR EACH CREW MEMBER.

1226
00:38:47,508 --> 00:38:50,077
CREW DRAG GONE SEVEN ASTRONAUTS

1227
00:38:50,077 --> 00:38:51,612
BUT OUR FIRST CREW FLIGHT WILL

1228
00:38:51,612 --> 00:38:53,781
HAVE TWO ASTRONAUTS, FOLLOWED BY

1229
00:38:53,781 --> 00:38:55,082
OPERATIONAL MISSIONS WHICH WILL

1230
00:38:55,082 --> 00:38:55,516
CARRY FOUR.

1231
00:38:55,516 --> 00:38:57,251
EACH OF THEM WEARING A SPACEX

1232
00:38:57,251 --> 00:38:58,652
DESIGNED SPACE SUIT.

1233
00:38:58,652 --> 00:39:00,221
AN AS YOU CAN ALSO SEE IN THE

1234
00:39:00,221 --> 00:39:02,923
VIDEO THERE ARE ALSO TOUCH

1235
00:39:02,923 --> 00:39:04,058
SCREENS CONTROLLED -- WHILE

1236
00:39:04,058 --> 00:39:06,727
DRAGON IS FULLY AUTONOMOUS, THEY

1237
00:39:06,727 --> 00:39:09,130
ADDED -- SO THAT THE CRUISE WILL

1238
00:39:09,130 --> 00:39:10,598

NAVIGATE THE SPACECRAFT MANUALLY

1239

00:39:10,598 --> 00:39:11,799

IN THE EVENT OF AN EMERGENCY.

1240

00:39:11,799 --> 00:39:13,334

>> AND THOSE NASA ASTRONAUTS

1241

00:39:13,334 --> 00:39:14,735

HAVE BEEN WORKING WITH SPACEX

1242

00:39:14,735 --> 00:39:16,303

FROM EARLY ON TO PROVIDE INPUT

1243

00:39:16,303 --> 00:39:17,872

INTO CREW DRAGON'S DESIGN, RIGHT

1244

00:39:17,872 --> 00:39:18,806

NOW THEY ARE FINISHING THEIR

1245

00:39:18,806 --> 00:39:20,174

TRAINING ON ALL OF THE FEATURES

1246

00:39:20,174 --> 00:39:22,443

OF THE SPACECRAFT AND THE SPACE

1247

00:39:22,443 --> 00:39:23,878

SUITS USING STIMULATORS AND

1248

00:39:23,878 --> 00:39:25,479

OTHER EXERCISES IN ADVANCE OF

1249

00:39:25,479 --> 00:39:26,947

THAT FIRST CREWED MISSION.

1250

00:39:26,947 --> 00:39:29,550

JUST LIKE THE SEATS THE, IT IS

1251
00:39:29,550 --> 00:39:30,918
INDIVIDUALLY FITTED FOR EACH

1252
00:39:30,918 --> 00:39:31,819
ASTRONAUT DESIGNED TO COMPLETELY

1253
00:39:31,819 --> 00:39:33,454
PROTECT THEM FROM THE VACUUM

1254
00:39:33,454 --> 00:39:34,688
ENVIRONMENT OF SPACE.

1255
00:39:34,688 --> 00:39:35,790
WHILE THE SPACECRAFT OBVIOUSLY

1256
00:39:35,790 --> 00:39:36,957
IS THE PRIMARY MEANS OF

1257
00:39:36,957 --> 00:39:38,893
PROTECTING THE AS MOTHERS, THE

1258
00:39:38,893 --> 00:39:40,594
SUITS ACT AS CRITICAL BACKUP IN

1259
00:39:40,594 --> 00:39:41,829
THE CASE OF AN EMERGENCY.

1260
00:39:41,829 --> 00:39:44,398
ONE FINAL INTERESTING POINT FOR

1261
00:39:44,398 --> 00:39:45,800
CREW DRAGON ONCE AGAIN WE HAVE

1262
00:39:45,800 --> 00:39:47,301
WINDOWS GONE SPACECRAFT, WHERE

1263
00:39:47,301 --> 00:39:49,370

THE CREW CAN LOOK OUT INTO SPACE

1264

00:39:49,370 --> 00:39:50,204

DURING THE FLIGHT PROVIDING NOT

1265

00:39:50,204 --> 00:39:51,672

ONLY FULL VIEWS BUT ALSO HELPING

1266

00:39:51,672 --> 00:39:53,641

THEM TO VIEW THE STATION AND

1267

00:39:53,641 --> 00:39:55,443

ORIENT DRAGON DURING MANUAL

1268

00:39:55,443 --> 00:39:55,810

PILOTING.

1269

00:39:55,810 --> 00:39:57,611

NOW LET'S NOT FORGET ABOUT

1270

00:39:57,611 --> 00:39:58,012

FALCON 9.

1271

00:39:58,012 --> 00:39:59,713

THE DESIGN OF OUR ROCKET IS JUST

1272

00:39:59,713 --> 00:40:01,582

AS CRITICAL FOR THE DEMO ONE

1273

00:40:01,582 --> 00:40:02,950

MISSION AS A SPACECRAFT.

1274

00:40:02,950 --> 00:40:05,853

WE HAVE BEEN LAUNCHING FALCON

1275

00:40:05,853 --> 00:40:07,488

9 SINCE 2010 TO CARRY THE CARGO

1276
00:40:07,488 --> 00:40:10,691
TO DRAG GONE AS WELL AS -- THE

1277
00:40:10,691 --> 00:40:12,259
ROCKET ITSELF FROM THE VERY

1278
00:40:12,259 --> 00:40:14,061
BEGINNING WITH ULTIMATE GOAL OF

1279
00:40:14,061 --> 00:40:15,329
CARRYING PEOPLE IN MIND.

1280
00:40:15,329 --> 00:40:17,565
THE SIMPLE CONFIGURATION --

1281
00:40:17,565 --> 00:40:19,867
SEPARATION -- IN THIS NINE PER

1282
00:40:19,867 --> 00:40:22,269
STAGE -- FALCON 9 CAN

1283
00:40:22,269 --> 00:40:23,104
SUCCESSFULLY COMPLETE ITS

1284
00:40:23,104 --> 00:40:25,206
MISSIONS EVEN IN THE EVENT OF AN

1285
00:40:25,206 --> 00:40:26,240
ENGINE SHUT DOWN.

1286
00:40:26,240 --> 00:40:28,109
THEY ARE DESIGNED TO BE

1287
00:40:28,109 --> 00:40:31,779
REUSABLE, SPACEX HAS SIX DRAGONS

1288
00:40:31,779 --> 00:40:34,515

AND 19 FIRST -- FOLLOWING

1289

00:40:34,515 --> 00:40:36,016

TODAY'S LAUNCH WE WILL ATTEMPT

1290

00:40:36,016 --> 00:40:39,186

TO LAUNCH FALCON 9, AND -- IN

1291

00:40:39,186 --> 00:40:41,155

THE ATLANTIC OCEAN SO THAT CAN

1292

00:40:41,155 --> 00:40:43,324

BE BE USED ON FUTURE FLIGHT.

1293

00:40:43,324 --> 00:40:45,226

>> ALSO INTENDS TO REUSE THIS

1294

00:40:45,226 --> 00:40:46,927

DRAGON IF MISSIONS ARE SET TO BE

1295

00:40:46,927 --> 00:40:50,364

THE INFLIGHT ABORT TEST

1296

00:40:50,364 --> 00:40:52,066

HAPPENING LATER THIS YEAR.

1297

00:40:52,066 --> 00:40:53,234

NOW FOR THE NINE MINUTES LET'S

1298

00:40:53,234 --> 00:40:54,735

CHECK IN WITH TOM ON THE STATUS

1299

00:40:54,735 --> 00:40:55,669

OF TODAY'S LAUNCH.

1300

00:40:55,669 --> 00:40:58,239

>> THANKS, TOYS, WE ARE AT EIGHT

1301
00:40:58,239 --> 00:40:59,974
MINUTES AND 30 SECONDS UNTIL

1302
00:40:59,974 --> 00:41:01,442
LAUNCH, THE EXCITEMENT HER AT

1303
00:41:01,442 --> 00:41:03,277
SPACEX HEADQUARTERS IS PALPABLE.

1304
00:41:03,277 --> 00:41:04,445
JUST A QUICK UPDATE ON THE

1305
00:41:04,445 --> 00:41:06,013
STATUS OF THE ROCKET AND THE

1306
00:41:06,013 --> 00:41:06,347
DRAGON.

1307
00:41:06,347 --> 00:41:08,382
THE STAGE 1 AND STAGE 2 ARE

1308
00:41:08,382 --> 00:41:10,050
ALMOST FULLY FUELED WITH RP

1309
00:41:10,050 --> 00:41:11,852
1 AND OXIDIZER THE RANGE IS GOOD

1310
00:41:11,852 --> 00:41:12,353
TO GO.

1311
00:41:12,353 --> 00:41:14,221
WE ARE MONITORING THE WEATHER

1312
00:41:14,221 --> 00:41:15,489
ALL LOOKING GOOD TO GO FOR

1313
00:41:15,489 --> 00:41:18,826

LAUNCH, NO ISSUES OF UPPER LEVEL

1314

00:41:18,826 --> 00:41:20,194

OR LOWER LEVEL WINDS.

1315

00:41:20,194 --> 00:41:23,831

THE WEATHER IS GOD AT THE CAPE.

1316

00:41:23,831 --> 00:41:26,734

AS JOHN, THE WEATHER IS THE ONE

1317

00:41:26,734 --> 00:41:28,502

THING WE TALK ABOUT BUT CAN'T

1318

00:41:28,502 --> 00:41:28,836

CONTROL.

1319

00:41:28,836 --> 00:41:29,803

THANKFULLY IT IS LOCKING GOOD

1320

00:41:29,803 --> 00:41:30,471

FOR LUNCH TODAY.

1321

00:41:30,471 --> 00:41:31,472

WE ARE GOING TO CONTINUE TO

1322

00:41:31,472 --> 00:41:32,806

MONITOR AND GO OVER TO KENNEDY

1323

00:41:32,806 --> 00:41:34,475

SPACE STERN AND SEE HOW THE

1324

00:41:34,475 --> 00:41:36,043

SPACE STATION TEAM IS DOING WITH

1325

00:41:36,043 --> 00:41:36,644

GARY JORDAN.

1326

00:41:36,644 --> 00:41:39,513

HOW IS IT GOING OVER THERE,

1327

00:41:39,513 --> 00:41:39,813

GARY?

1328

00:41:39,813 --> 00:41:42,616

>> HEY, TOM, WELCOME TO MISSION

1329

00:41:42,616 --> 00:41:44,185

CONTROL, HOUSTON, RIGHT HERE THE

1330

00:41:44,185 --> 00:41:45,452

TEAMS BEHIND ME ARE LOOKING

1331

00:41:45,452 --> 00:41:46,854

AFTER THE SYSTEMS OF THE

1332

00:41:46,854 --> 00:41:47,588

INTERNATIONAL SPACE STATION,

1333

00:41:47,588 --> 00:41:49,623

WHICH IS OF COURSE THE ULTIMATE

1334

00:41:49,623 --> 00:41:50,724

DESTINATION OF DRAG GONE

1335

00:41:50,724 --> 00:41:52,259

LAUNCHING TODAY.

1336

00:41:52,259 --> 00:41:52,493

0.

1337

00:41:52,493 --> 00:41:54,828

>> OVER THE NEXT DAY, WE WILL BE

1338

00:41:54,828 --> 00:41:56,263

MONITORING DRAGON THROUGH ITS

1339

00:41:56,263 --> 00:41:57,565

APPROACH TO THE INTERNATIONAL

1340

00:41:57,565 --> 00:41:58,566

SPACE STATION AND THAT'S WHEN

1341

00:41:58,566 --> 00:41:59,767

THINGS WILL REALLY START TO PICK

1342

00:41:59,767 --> 00:42:01,268

UP WHEN IT IS JUST A FEW

1343

00:42:01,268 --> 00:42:02,136

KILOMETER AWAY.

1344

00:42:02,136 --> 00:42:03,537

THREE CREW MEMBERS ON BOARD THE

1345

00:42:03,537 --> 00:42:04,238

INTERNATIONAL SPACE STATION

1346

00:42:04,238 --> 00:42:07,441

RIGHT NOW, NASA AND MCCLAIN --

1347

00:42:07,441 --> 00:42:11,779

CANADIAN SPACE AGENCY, AND -- OF

1348

00:42:11,779 --> 00:42:13,781

ROSKOSMOS, THEY HAVE BEEN

1349

00:42:13,781 --> 00:42:15,449

REVIEWING A LOT OF PREVIEWS FOR

1350

00:42:15,449 --> 00:42:17,418

THE DOCKING OPERATIONS AND THE

1351
00:42:17,418 --> 00:42:19,086
INGRESS OPERATIONS THAT'S WHEN

1352
00:42:19,086 --> 00:42:20,421
THEY ACTUALLY ENTER THE VEHICLE.

1353
00:42:20,421 --> 00:42:21,388
TODAY, THEY DON'T REALLY HAVE

1354
00:42:21,388 --> 00:42:23,424
MUCH GOING ON, A BIT OF AN OFF

1355
00:42:23,424 --> 00:42:24,458
DUTY DAY PAUSE TOMORROW THAT'S

1356
00:42:24,458 --> 00:42:26,193
WHEN THEY EXECUTE ALL OF THESE

1357
00:42:26,193 --> 00:42:27,861
PROCEDURES, JUST OVER A DAY FROM

1358
00:42:27,861 --> 00:42:29,997
NOWABLE WHEN DRAG GONE DOCKS TO

1359
00:42:29,997 --> 00:42:30,898
THE INTERNATIONAL SPACE STATION

1360
00:42:30,898 --> 00:42:31,966
SCHEDULE THAT IS 6:00 A.M.

1361
00:42:31,966 --> 00:42:33,500
EASTERN TIME.

1362
00:42:33,500 --> 00:42:34,835
THIS IS A GREAT TIME, A BLAST

1363
00:42:34,835 --> 00:42:36,403

FROM THE PAST, THE LAST TIME

1364

00:42:36,403 --> 00:42:38,038

THAT A VEHICLE DOCTOR THIS PART

1365

00:42:38,038 --> 00:42:39,773

OF THE STATION, WAS A SPACE

1366

00:42:39,773 --> 00:42:41,809

SHUTTLE BACK IN 2011.

1367

00:42:41,809 --> 00:42:43,477

AGAIN, OUR JOB REALLY PICKS UP

1368

00:42:43,477 --> 00:42:44,812

WHEN DRAGON IS JUST A FEW

1369

00:42:44,812 --> 00:42:46,413

KILOMETER AWAY FROM NOW,

1370

00:42:46,413 --> 00:42:48,549

EVERYTHING IS LOCKING POD ON THE

1371

00:42:48,549 --> 00:42:51,819

STATION, STATION NOW 255 STATUTE

1372

00:42:51,819 --> 00:42:53,654

POLICIES OVER CENTRAL EUROPE, AT

1373

00:42:53,654 --> 00:42:55,222

THE TIME OF LAUNCH, STATION IS

1374

00:42:55,222 --> 00:42:56,991

SCHEDULED TO BE OVER CENTRAL

1375

00:42:56,991 --> 00:42:58,292

IRAQ, THAT'S HOW FAST THIS THING

1376
00:42:58,292 --> 00:43:00,294
IS TRAVELING, DRAGON WILL SPEND

1377
00:43:00,294 --> 00:43:02,296
SOME TIME CHASING IT DOWN.

1378
00:43:02,296 --> 00:43:05,032
>> BUT THIS IS AN EXCITING TIME.

1379
00:43:05,032 --> 00:43:06,634
WE HAVE NEW VEHICLES COMING ON

1380
00:43:06,634 --> 00:43:08,869
RYAN TO LAUNCH HUMANS TO THE

1381
00:43:08,869 --> 00:43:09,637
INTERNATIONAL SPACE STATION, OF

1382
00:43:09,637 --> 00:43:11,605
COURSE MORE HUMANS MEANS MORE

1383
00:43:11,605 --> 00:43:13,507
SCIENCE WHICH IS THE -- ONE OF

1384
00:43:13,507 --> 00:43:14,742
THE GOALS OF THE INTERNATIONAL

1385
00:43:14,742 --> 00:43:16,944
SPACE STATION, DOING SCIENTIFIC

1386
00:43:16,944 --> 00:43:17,911
RESEARCH AND HOW TO EXPLORE

1387
00:43:17,911 --> 00:43:18,679
FURTHER ON.

1388
00:43:18,679 --> 00:43:19,913

WE ARE WORKING WITH COMMERCIAL

1389

00:43:19,913 --> 00:43:21,882

PROVIDERS AS WELL, NOT JUST

1390

00:43:21,882 --> 00:43:24,184

SPACEX, SPACEX ALSO PROVIDING

1391

00:43:24,184 --> 00:43:25,719

CAR BOW TO THIS SPACE STATION,

1392

00:43:25,719 --> 00:43:27,888

BUT WE ARE ALSO WORKING WITH

1393

00:43:27,888 --> 00:43:29,223

INTERNATIONAL PARTNERS.

1394

00:43:29,223 --> 00:43:30,791

BUT FROM HERE IN MISSION CONTROL

1395

00:43:30,791 --> 00:43:31,825

HOUSTON WE ARE GOING TO SIT BACK

1396

00:43:31,825 --> 00:43:33,460

AND HAVE A VIEW OF THE PAD ON

1397

00:43:33,460 --> 00:43:34,762

THE FRONT SCREEN OF MISSION

1398

00:43:34,762 --> 00:43:35,229

CONTROL.

1399

00:43:35,229 --> 00:43:36,096

TOM, WE WILL TAKE IT BACK TO YOU

1400

00:43:36,096 --> 00:43:37,898

TO TAKE US TO THE FINAL MOMENTS

1401
00:43:37,898 --> 00:43:41,468
BEFORE LAUNCH.

1402
00:43:41,468 --> 00:43:44,805
>> WE ARE JUST MOMENTS AWAY FROM

1403
00:43:44,805 --> 00:43:47,041
OUR LAUNCH OF THE FIRST CREW

1404
00:43:47,041 --> 00:43:48,509
DEMONSTRATION MISSION TO THE

1405
00:43:48,509 --> 00:43:49,610
INTERNATIONAL SPACE STATION.

1406
00:43:49,610 --> 00:43:51,779
THE FALCON 9 ENGINE CHILL IS

1407
00:43:51,779 --> 00:43:53,447
UNDERWAY RIGHT NOW AND GETS THE

1408
00:43:53,447 --> 00:43:54,782
TURBO PUMPS COLD ENOUGH TO PUMP

1409
00:43:54,782 --> 00:43:57,685
THE LIQUID OXYGEN AND RP 1 FUEL

1410
00:43:57,685 --> 00:43:59,453
TO THE 9 MERLIN ENGINES AT THE

1411
00:43:59,453 --> 00:44:01,455
BOTTOM OF THE ROCKET.

1412
00:44:01,455 --> 00:44:03,857
STRONG BACK RETRACTIBLE START IN

1413
00:44:03,857 --> 00:44:06,160

T MY US IN FIVE PUNTS, 30

1414

00:44:06,160 --> 00:44:07,761

SECONDS FROM NOW AND THE CREW

1415

00:44:07,761 --> 00:44:09,930

ACCESS IS ALREADY IN THE LAUNCH

1416

00:44:09,930 --> 00:44:10,297

POSITION.

1417

00:44:10,297 --> 00:44:11,865

AROUND T MINUS ONE MINUTE YOU

1418

00:44:11,865 --> 00:44:13,400

WILL HEAR THE CALLOUT FALCON

1419

00:44:13,400 --> 00:44:16,270

9 IS IN STARTUP THAT FALCON

1420

00:44:16,270 --> 00:44:19,473

9 HAVE GONE IN STARTUP MODE AND

1421

00:44:19,473 --> 00:44:21,308

AUTONOMOUSLY CONTROL TING THE,

1422

00:44:21,308 --> 00:44:22,776

CONTROLLING THE REST OF THE

1423

00:44:22,776 --> 00:44:23,177

COUNTDOWN.

1424

00:44:23,177 --> 00:44:24,812

THE FLIGHT COMPUTER WILL IGNITE

1425

00:44:24,812 --> 00:44:25,879

ENGINES AND CHECK THE POWER ON

1426
00:44:25,879 --> 00:44:27,681
THOSE ENGINES FOR A LIFT-OFF AT

1427
00:44:27,681 --> 00:44:29,450
T MINUS ZERO WHEN THE HOLD DOWN

1428
00:44:29,450 --> 00:44:30,718
IS RELEASED JUST A REMIND THEY

1429
00:44:30,718 --> 00:44:33,187
ARE IS AN INSTANTANEOUS LAUNCH

1430
00:44:33,187 --> 00:44:34,555
WINDOW TONIGHT IF YES A HOLD FOR

1431
00:44:34,555 --> 00:44:35,522
ANY REASON WE WILL HAVE TO SCRUB

1432
00:44:35,522 --> 00:44:36,757
FOR TONIGHT.

1433
00:44:36,757 --> 00:44:38,659
BUT WE DO HAVE A BACKUP WINDOW

1434
00:44:38,659 --> 00:44:41,161
MARCH 5TH AT 1:38 A.M. EASTERN

1435
00:44:41,161 --> 00:44:41,462
TIME.

1436
00:44:41,462 --> 00:44:43,163
>> THE DRAL GONE TEAM GAVE US

1437
00:44:43,163 --> 00:44:44,765
THE THUMBS UP FOR, THE

1438
00:44:44,765 --> 00:44:45,999

SPACECRAFT IS READY TO GO, THE

1439

00:44:45,999 --> 00:44:48,168

RANGE IS ALSO GREEN, AND WE ARE

1440

00:44:48,168 --> 00:44:49,370

LOOKING GOOD, LIKE I SAID

1441

00:44:49,370 --> 00:44:50,537

EARLIER THE WEATHER IS LOOKING

1442

00:44:50,537 --> 00:44:51,872

FANTASTIC AT THE CAPE FOR BOTH

1443

00:44:51,872 --> 00:44:53,640

LAUNCH AND RECOVERY.

1444

00:44:53,640 --> 00:44:55,776

WITH JUST ABOUT FOUR MINUTES AND

1445

00:44:55,776 --> 00:44:57,811

30 SECONDS LEFT BEFORE LIFTOFF,

1446

00:44:57,811 --> 00:44:59,079

LET'S LISTEN IN TO THE FINAL

1447

00:44:59,079 --> 00:45:04,284

COUNT DOWN ON THE LAUNCH.

1448

00:45:04,284 --> 00:45:42,756

>>

1449

00:45:42,756 --> 00:45:50,497

ARMS ARE OPEN.

1450

00:45:50,497 --> 00:45:55,102

>> FINAL SETUP STARTED.

1451
00:45:55,102 --> 00:46:37,744
>> STAGE 1 HAS CLOSED UP.

1452
00:46:37,744 --> 00:46:43,250
>> CHART ANGLE IS 88.1 DEGREES.

1453
00:49:31,418 --> 00:46:56,730
>>

1454
00:49:31,418 --> 00:49:31,652
1.

1455
00:49:31,652 --> 00:49:33,220
>> ZERO.

1456
00:49:33,220 --> 00:49:33,920
IGNITION.

1457
00:49:33,920 --> 00:49:36,923
LIFTOFF.

1458
00:49:44,965 --> 00:49:42,996
>>

1459
00:49:44,965 --> 00:49:47,334
DOWNRANGE.

1460
00:49:47,334 --> 00:49:53,373
>> STAGE 1 PROP IS IS NOMINAL.

1461
00:49:53,373 --> 00:50:04,551
>>

1462
00:50:04,551 --> 00:50:07,788
[CHEERS AND APPLAUSE]

1463
00:50:07,788 --> 00:50:20,033

>> STAGE 1 --

1464

00:50:20,033 --> 00:50:22,969

>> POWER AND TELEMETRY NORMAL.

1465

00:50:22,969 --> 00:50:26,440

[CHEERS AND APPLAUSE]

1466

00:50:26,440 --> 00:50:29,042

>> FOR THOSE OF YOU JUST JOINING

1467

00:50:29,042 --> 00:50:30,410

US YOU WATCHING A LIVE VIEW OF

1468

00:50:30,410 --> 00:50:32,479

THE FALCON 9 ROCKET AS IT

1469

00:50:32,479 --> 00:50:34,014

ASCENDS THROUGH THE ATMOSPHERE

1470

00:50:34,014 --> 00:50:36,316

CARRYING THE SPACEX DRAGON TO --

1471

00:50:36,316 --> 00:50:36,850

>>

1472

00:50:36,850 --> 00:50:38,485

[CHEERS AND APPLAUSE]

1473

00:50:38,485 --> 00:50:40,654

>> THE VEHICLE JUST PASSED

1474

00:50:40,654 --> 00:50:43,223

THROUGH MAX Q WHICH IS THE POINT

1475

00:50:43,223 --> 00:50:45,325

OF MAXIMUM DIAMETRIC PRESSURE ON

1476
00:50:45,325 --> 00:50:46,526
THE VEHICLE AS YOU CAN HEAR IN

1477
00:50:46,526 --> 00:50:48,995
THE BACKGROUND THE EXCITEMENT AT

1478
00:50:48,995 --> 00:50:50,397
SPACE X HEADQUARTERS IS

1479
00:50:50,397 --> 00:50:51,531
UNBELIEVABLE HERE.

1480
00:50:51,531 --> 00:50:55,569
>> PASSING THROUGH MAX Q.

1481
00:50:55,569 --> 00:50:57,671
>> YOU HEARD THAT CALLOUT FROM

1482
00:50:57,671 --> 00:50:59,539
MAX Q.

1483
00:50:59,539 --> 00:51:01,641
THE FALCON 9 ACTUALLY THROTTLES

1484
00:51:01,641 --> 00:51:04,144
DOWN NINE MERLIN ENGINES TO

1485
00:51:04,144 --> 00:51:08,548
REDUCE THE DYNAMIC LOAD ON THE

1486
00:51:08,548 --> 00:51:08,915
VEHICLE.

1487
00:51:08,915 --> 00:51:10,016
IT IS NOW THROTTLING THOSE

1488
00:51:10,016 --> 00:51:12,419

ENGINES BACK UP.

1489

00:51:12,419 --> 00:51:14,688

>> COMING UP AT T PLUS

1490

00:51:14,688 --> 00:51:16,256

TWO-MINUTE AND 35 SECONDS, IT IS

1491

00:51:16,256 --> 00:51:18,692

GOING TO BE A KEY EVENT, QUICK

1492

00:51:18,692 --> 00:51:19,559

SUCCESSION IS THE FIRST ONE WILL

1493

00:51:19,559 --> 00:51:21,728

BE THE MAIN ENGINE CUTOFF OR

1494

00:51:21,728 --> 00:51:23,864

MICO WHEN THE NINE NEVER LYNN D

1495

00:51:23,864 --> 00:51:25,532

1 ENGINES YOU SEE ON YOUR SCREEN

1496

00:51:25,532 --> 00:51:27,901

RIGHT NOW WILL CUT OFF, SHORTLY

1497

00:51:27,901 --> 00:51:30,203

BEFORE A STAGE SEPARATION AT TWO

1498

00:51:30,203 --> 00:51:32,539

MINUTES AND 38 SECONDS.

1499

00:51:32,539 --> 00:51:34,541

>> SHORTLY AFTER THAT, THE

1500

00:51:34,541 --> 00:51:35,542

MERLIN VACUUM ENGINE ON THE

1501
00:51:35,542 --> 00:51:36,510
BOTTOM OF THE SECOND STAGE OF

1502
00:51:36,510 --> 00:51:38,545
THE FALCON 9 WILL IGNITE, AND

1503
00:51:38,545 --> 00:51:40,413
WHAT WE CALL SECOND ENGINE START

1504
00:51:40,413 --> 00:51:43,784
OR SES TWO-MINUTES AND 46

1505
00:51:43,784 --> 00:51:44,117
SECONDS.

1506
00:51:44,117 --> 00:51:47,020
>> SO STAND BY FOR MAIN ENGINE

1507
00:51:47,020 --> 00:51:48,054
CUTOFF, STAGE SEPARATION AND

1508
00:51:48,054 --> 00:51:50,257
SECOND ENGINE START COMING UP IN

1509
00:51:50,257 --> 00:51:54,694
JUST ABOUT 20 SECONDS FROM NOW.

1510
00:51:54,694 --> 00:52:22,856
>>

1511
00:52:22,856 --> 00:52:26,259
[CHEERS AND APPLAUSE]

1512
00:52:32,399 --> 00:52:30,997
>>

1513
00:52:32,399 --> 00:52:34,334

CHEERING HERE AT SPACEX

1514

00:52:34,334 --> 00:52:36,536

HEADQUARTERS, WE DID HAVE A

1515

00:52:36,536 --> 00:52:38,305

SUCCESSFUL MAIN ENGINE CUTOFF,

1516

00:52:38,305 --> 00:52:39,906

STAGE SEPARATION, AND AS YOU CAN

1517

00:52:39,906 --> 00:52:41,107

SEE ON THE RIGHT-HAND SIDE OF

1518

00:52:41,107 --> 00:52:43,777

YOUR SCREEN, THAT SECOND STAGE

1519

00:52:43,777 --> 00:52:46,346

ENGINE IS CURRENTLY STARTED AND

1520

00:52:46,346 --> 00:52:47,447

ACCELERATING DRAGON TOWARDS

1521

00:52:47,447 --> 00:52:48,849

ORBIT ON THE LEFT-HAND SIDE OF

1522

00:52:48,849 --> 00:52:49,783

YOUR SCREEN THAT'S THE VIEW FROM

1523

00:52:49,783 --> 00:52:51,918

THE FIRST STAGE AS IT MAKES ITS

1524

00:52:51,918 --> 00:52:53,353

WAY BACK DOWN TOWARD THE EARTH.

1525

00:52:53,353 --> 00:52:54,554

LET'S GO DOWN TO LAUREN AND DAN

1526
00:52:54,554 --> 00:52:56,723
FOR UPDATES ON THAT FIRST STAGE

1527
00:52:56,723 --> 00:52:58,325
RECOVERY.

1528
00:52:59,593 --> 00:52:58,592
>>

1529
00:52:59,593 --> 00:53:02,262
SO AS YOU CAN SEE WE LIFTED OFF

1530
00:53:02,262 --> 00:53:04,164
AND HAD AN AWESOME LIFTOFF OF

1531
00:53:04,164 --> 00:53:06,499
STAGE 1 AND STAGE 2 IS BURNING

1532
00:53:06,499 --> 00:53:08,335
BEAUTIFULLY.

1533
00:53:08,335 --> 00:53:10,804
STAGE 1 ALSO HAS -- PERFORMING

1534
00:53:10,804 --> 00:53:11,872
RIGHT NOW.

1535
00:53:11,872 --> 00:53:14,107
GETTING READY TO COME BACK AND

1536
00:53:14,107 --> 00:53:14,507
LAND.

1537
00:53:14,507 --> 00:53:16,076
STAGE 1 WILL EXECUTE TWO BURNS

1538
00:53:16,076 --> 00:53:18,211

BEFORE LANDING ON THE DRONE

1539

00:53:18,211 --> 00:53:19,679

SHIP, WITH THE ENTRY BURN STARTS

1540

00:53:19,679 --> 00:53:22,449

WHICH IS STARTING AT -- SEVEN

1541

00:53:22,449 --> 00:53:24,951

MINUTES, 48 SECONDS,

1542

00:53:24,951 --> 00:53:25,952

APPROXIMATELY, THAT IS WHERE

1543

00:53:25,952 --> 00:53:28,989

THREE OF THE M 1-D ENGINES WILL

1544

00:53:28,989 --> 00:53:30,790

REIGNITE, AND WHAT THAT BURN

1545

00:53:30,790 --> 00:53:33,360

DOES IS IT SLOWS DOWN STAGE

1546

00:53:33,360 --> 00:53:35,228

1ABLE IN THE UPPER PART OF THE

1547

00:53:35,228 --> 00:53:36,429

EARTH'S ATMOSPHERE IF WE DIDN'T

1548

00:53:36,429 --> 00:53:39,366

DO THAT THE AERODYNAMIC

1549

00:53:39,366 --> 00:53:41,768

REHEATING, IT WOULD HEAT UPSTAGE

1550

00:53:41,768 --> 00:53:43,370

1 AND IT WOULD ESSENTIALLY BREAK

1551
00:53:43,370 --> 00:53:44,704
IT APART SO WE HAVE TO SLOW IT

1552
00:53:44,704 --> 00:53:47,107
DOWN. FROM THERE, STAGE 1 IS

1553
00:53:47,107 --> 00:53:49,042
GOING TO COAST ITS WAY BACK

1554
00:53:49,042 --> 00:53:50,543
DOWN, USING THE HANDS TO HELP

1555
00:53:50,543 --> 00:53:52,479
STEER IT AND HELP EXECUTE THE

1556
00:53:52,479 --> 00:53:54,881
LANDING BURN, THAT'S GOING TO

1557
00:53:54,881 --> 00:53:57,717
HAPPEN AT -- THAT IS WHEN WE ARE

1558
00:53:57,717 --> 00:54:00,153
GOING REIGNITE THE CENTER

1559
00:54:00,153 --> 00:54:01,922
ENGINE, AND HOPEFULLY BRING

1560
00:54:01,922 --> 00:54:06,660
STAGE 1 DOWN IN A BEAUTIFUL SPOT

1561
00:54:06,660 --> 00:54:07,027
ON THE --

1562
00:54:07,027 --> 00:54:07,594
>> THAT'S RIGHT.

1563
00:54:07,594 --> 00:54:08,561

AND WHILE ALL OF THAT IS

1564

00:54:08,561 --> 00:54:09,496

HAPPENING THE SECOND STAGE,

1565

00:54:09,496 --> 00:54:11,898

WHICH WROTE YOU SEE GLOWING

1566

00:54:11,898 --> 00:54:13,967

BRIGHT HERE CONTINUING TO POWER

1567

00:54:13,967 --> 00:54:15,035

DRAGON AND WILL CONTINUE BURNING

1568

00:54:15,035 --> 00:54:16,336

UNTIL JUST ABOUT NINE MINUTES

1569

00:54:16,336 --> 00:54:16,870

AFTER LAUNCH.

1570

00:54:16,870 --> 00:54:19,239

SO IN EIGHT MINUTES AND 59

1571

00:54:19,239 --> 00:54:20,807

SECOND IT IS WHERE IT IS

1572

00:54:20,807 --> 00:54:21,908

TARGETED TO CUT DOWN.

1573

00:54:21,908 --> 00:54:24,678

DOWN TO A SINNABLE ENGINE, OVER

1574

00:54:24,678 --> 00:54:26,212

200,000-POUND OF THRUST TO CARRY

1575

00:54:26,212 --> 00:54:27,047

DRAGON THROUGH THE UPPER PARTS

1576
00:54:27,047 --> 00:54:28,748
OF EARTH'S ATMOSPHERE, NOT AS

1577
00:54:28,748 --> 00:54:31,184
MUCH RESISTANCE, ONCE YOU ARE UP

1578
00:54:31,184 --> 00:54:33,186
THIS HIGH AND GOING GET DRAGON

1579
00:54:33,186 --> 00:54:34,521
INTO THE INITIAL ORBIT AND STILL

1580
00:54:34,521 --> 00:54:36,423
GOING TO BE A COUPLE OF HUNDRED

1581
00:54:36,423 --> 00:54:37,590
KILOMETER TO MEET THE STATION

1582
00:54:37,590 --> 00:54:39,159
AND THEN TURNED OVER TO

1583
00:54:39,159 --> 00:54:41,328
THRUSTERS ON DRAGON ONCE IT

1584
00:54:41,328 --> 00:54:42,529
SEPARATES FROM THE SECOND STAGE

1585
00:54:42,529 --> 00:54:44,898
TO BEGIN THE CHASE DOWN OF THE

1586
00:54:44,898 --> 00:54:46,733
ORBITING LABORATORY, FIVE

1587
00:54:46,733 --> 00:54:48,234
MINUTES, 11 SECONDS AND COUNTING

1588
00:54:48,234 --> 00:54:48,835

PAST LAUNCH.

1589

00:54:48,835 --> 00:54:50,870

ALL OF THE CALLS SO FAR

1590

00:54:50,870 --> 00:54:51,972

INDICATING NOMINAL PERFORMANCE.

1591

00:54:51,972 --> 00:54:53,640

WE ARE CONTINUING TO SEE GREAT

1592

00:54:53,640 --> 00:54:56,543

STUFF SO FAR FROM BOTH STAGES OF

1593

00:54:56,543 --> 00:54:58,912

THE FALCON NINE.

1594

00:54:58,912 --> 00:54:59,713

>> OKAY.

1595

00:54:59,713 --> 00:55:02,349

WE ARE HEARING THAT IT IS

1596

00:55:02,349 --> 00:55:03,083

PERFORMING NOMINALLY.

1597

00:55:03,083 --> 00:55:06,219

IT IS LOOKING GOOD ON POWER.

1598

00:55:06,219 --> 00:55:08,722

TEMPERATURES ARE GOOD.

1599

00:55:08,722 --> 00:55:10,223

STAGE 1 CONTINUES TO COME BACK

1600

00:55:10,223 --> 00:55:11,458

NOMINALLY OVER THERE ON THE LEFT

1601
00:55:11,458 --> 00:55:12,826
ON YOUR SCREEN, YOU SEE THAT

1602
00:55:12,826 --> 00:55:15,695
PICTURE OF RIPLEY IN THAT ZERO G

1603
00:55:15,695 --> 00:55:16,730
INDICATOR.

1604
00:55:16,730 --> 00:55:17,931
>> THAT'S RIGHT.

1605
00:55:17,931 --> 00:55:19,499
KEEP AN EYE OUT, AS LONG AS WE

1606
00:55:19,499 --> 00:55:22,602
HAVE THE VIEW, AS SOON AS DRAGON

1607
00:55:22,602 --> 00:55:23,903
SEPARATED THEN ESSENTIALLY IT IS

1608
00:55:23,903 --> 00:55:25,472
IN FREE FLIGHT MODE.

1609
00:55:25,472 --> 00:55:27,507
YOU GOING TO SEE LITTLE PLANET

1610
00:55:27,507 --> 00:55:29,476
EARTH START TO FLOAT UP, SO KEEP

1611
00:55:29,476 --> 00:55:31,277
AN EYE OUT ONCE WE SEPARATE

1612
00:55:31,277 --> 00:55:32,412
DRAGON IN JUST A COUPLE OF

1613
00:55:32,412 --> 00:55:33,446

MINUTES FROM NOW.

1614

00:55:33,446 --> 00:55:37,617

SIX MINUTES PAST LAUNCH.

1615

00:55:37,617 --> 00:55:44,491

>> TRAJECTORY CONTINUES TO BE

1616

00:55:44,491 --> 00:55:48,428

NOMINAL IN STAGE 2.

1617

00:55:48,428 --> 00:55:59,205

>>

1618

00:55:59,205 --> 00:56:00,440

WE HAVE ABOUT TWO AND A HALF

1619

00:56:00,440 --> 00:56:02,409

MORE MINUTE LEFT OF THIS BURN.

1620

00:56:02,409 --> 00:56:08,181

AT WHICH POINT THE BACK ROLL

1621

00:56:08,181 --> 00:56:09,049

WILL SHUT DOWN.

1622

00:56:09,049 --> 00:56:11,051

>> WE ARE JUST UNDER A MINUTE

1623

00:56:11,051 --> 00:56:13,486

AWAY FROM THAT ENTRY BURN ON

1624

00:56:13,486 --> 00:56:35,075

STAGE 1 THAT I MENTIONED BEFORE.

1625

00:56:35,075 --> 00:56:36,376

SECOND STAGE BURN CONTINUES TO

1626
00:56:36,376 --> 00:56:38,111
BURN NOMINALLY.

1627
00:56:38,111 --> 00:56:39,846
>> WE ARE OVER SEVEN MINUTES

1628
00:56:39,846 --> 00:56:40,613
SINCE LIFTOFF.

1629
00:56:40,613 --> 00:56:42,849
IT FEELS LIKE IT WAS 30 SECONDS

1630
00:56:42,849 --> 00:56:43,249
AGO.

1631
00:56:43,249 --> 00:56:45,452
>> CONTINUING TO CARRY DRAGON

1632
00:56:45,452 --> 00:56:45,718
UP.

1633
00:56:45,718 --> 00:56:47,520
IT IS GOING TO MAKE IT TO THAT

1634
00:56:47,520 --> 00:56:48,922
INITIAL ORBIT AFTER IT

1635
00:56:48,922 --> 00:56:49,789
SEPARATES, SEPARATION COMING

1636
00:56:49,789 --> 00:56:51,224
ABOUT A MINUTE AFTER THE SECOND

1637
00:56:51,224 --> 00:56:53,660
STAGE CUTOFF.

1638
00:56:53,660 --> 00:56:57,897

>> STAGE 2 PROPELLANT TANK

1639

00:56:57,897 --> 00:56:59,199

PRESSURES ARE LOOKING GOOD.

1640

00:56:59,199 --> 00:57:00,400

THE BURN CONTINUES TO BE

1641

00:57:00,400 --> 00:57:03,436

HEALTHY.

1642

00:57:03,436 --> 00:57:10,510

>> NOW COMING UP IN ABOUT TEN

1643

00:57:10,510 --> 00:57:11,411

SENDS, SECOND ENTRY BURN IS

1644

00:57:11,411 --> 00:57:12,412

GOING TO START.

1645

00:57:12,412 --> 00:57:13,980

HOPEFULLY WE WILL HAVE ON BOARD

1646

00:57:13,980 --> 00:57:16,449

VIDEO AND BE ABLE TO WATCH.

1647

00:57:16,449 --> 00:57:20,086

>> LET'S LISTEN IN ON CALLOUT.

1648

00:57:20,086 --> 00:57:24,491

>> STAGE 1, STAGE 1, ENTRY BURN

1649

00:57:24,491 --> 00:57:25,692

IS STARTED.

1650

00:57:25,692 --> 00:57:28,895

[CHEERS AND APPLAUSE]

1651
00:57:28,895 --> 00:57:35,869
>> STAGE 1 ENGINE REIGNITING.

1652
00:57:35,869 --> 00:57:37,904
BURN WILL CONTINUE ON FOR ABOUT

1653
00:57:37,904 --> 00:57:40,039
ANOTHER 15 OR 22NDS.

1654
00:57:40,039 --> 00:57:44,310
>> 20 SECONDS.

1655
00:57:44,310 --> 00:57:45,812
>> AND SO A LITTLE BACK-TO-BACK

1656
00:57:45,812 --> 00:57:47,947
ACTION NOW AS WE SEE STAGE

1657
00:57:47,947 --> 00:57:49,182
1 COMING BACK DOWN TOWARDS

1658
00:57:49,182 --> 00:57:49,716
EARTH.

1659
00:57:49,716 --> 00:57:51,551
STAGE 2 STILL MAKING ITS WAY UP

1660
00:57:51,551 --> 00:57:53,386
INTO OUTER SPACE.

1661
00:57:53,386 --> 00:57:55,155
DRAGON ON TOP GETTING READY --

1662
00:57:55,155 --> 00:57:57,590
>> STAGE 1 ENTRY BURN SHUT DOWN.

1663
00:57:57,590 --> 00:58:00,493

>> THERE YOU SEE THE END OF THE

1664

00:58:00,493 --> 00:58:03,696

STAGE 1 BURN.

1665

00:58:03,696 --> 00:58:05,231

>> SO STAGE 1 IS GOING TO

1666

00:58:05,231 --> 00:58:07,667

CONTINUE TO COAST.

1667

00:58:07,667 --> 00:58:12,472

ITS WAY DOWN USING -- ADDED TO

1668

00:58:12,472 --> 00:58:14,641

CONTROL.

1669

00:58:14,641 --> 00:58:17,977

>> A POLICY STONE --

1670

00:58:17,977 --> 00:58:19,512

>> THAT'S RIGHT.

1671

00:58:19,512 --> 00:58:25,418

>> COME UP IN ABOUT TEN SECONDS.

1672

00:58:32,792 --> 00:58:29,889

>>

1673

00:58:32,792 --> 00:58:35,929

SICO.

1674

00:58:45,705 --> 00:58:40,867

>>

1675

00:58:45,705 --> 00:58:46,072

SHUTDOWN.

1676
00:58:46,072 --> 00:58:48,908
[CHEERS AND APPLAUSE]

1677
00:58:56,049 --> 00:58:54,480
>>

1678
00:58:56,049 --> 00:58:59,118
STAGE 1 WILL BE TRAVELING AT 275

1679
00:58:59,118 --> 00:59:00,086
-- PER SECOND.

1680
00:59:00,086 --> 00:59:01,087
THAT SINGLE ENGINE BURN WILL

1681
00:59:01,087 --> 00:59:05,758
BRING THAT FROM 275 TO ZERO.

1682
00:59:05,758 --> 00:59:08,728
>> WE DID JUST HEAR THAT THE

1683
00:59:08,728 --> 00:59:12,665
BURN HAS STARTED.

1684
00:59:12,665 --> 00:59:19,439
>> ALL RIGHT.

1685
00:59:19,439 --> 00:59:22,542
LET'S SEE IF WE GET IT.

1686
00:59:22,542 --> 00:59:23,042
>>

1687
00:59:23,042 --> 00:59:26,412
[CHEERS AND APPLAUSE]

1688
00:59:57,343 --> 00:59:55,441

>>

1689
00:59:57,343 --> 00:59:59,312
FROM WHERE IT LAUNCHED FROM.

1690
00:59:59,312 --> 01:00:02,682
THE VEHICLE WILL NOW UNDERGO ITS

1691
01:00:02,682 --> 01:00:04,784
SAFE PROCEDURES AND THE RECOVERY

1692
01:00:04,784 --> 01:00:06,352
TEAM WILL MAKE SURE IT IS

1693
01:00:06,352 --> 01:00:07,553
STRAPPED DOWN AND MAKE ITS WAY

1694
01:00:07,553 --> 01:00:10,556
BACK TO EARTH -- I AM SORRY, TO

1695
01:00:10,556 --> 01:00:12,825
CAPE CANAVERAL.

1696
01:00:12,825 --> 01:00:14,961
>> SO THERE IS STILL A LOT MORE

1697
01:00:14,961 --> 01:00:16,062
TO GO HERE.

1698
01:00:16,062 --> 01:00:17,864
WE HAVE DRAGON SEPARATION COMING

1699
01:00:17,864 --> 01:00:18,131
UP.

1700
01:00:18,131 --> 01:00:20,266
LET'S GO BACK TO TOM TO COVER

1701

01:00:20,266 --> 01:00:21,901

THE NEXT BIG MILESTONE.

1702

01:00:21,901 --> 01:00:23,870

>> WOW, WHAT A LANDING, COMING

1703

01:00:23,870 --> 01:00:25,905

UP VERY SHORTLY IN JUST ABOUT

1704

01:00:25,905 --> 01:00:28,274

22ND SECONDS HERE THE DRAGON

1705

01:00:28,274 --> 01:00:29,008

SPACECRAFT WILL SEPARATE FROM

1706

01:00:29,008 --> 01:00:33,813

THE TOP OF THE FALCON 9 ROCKET.

1707

01:00:36,616 --> 01:00:35,281

>>

1708

01:00:36,616 --> 01:00:38,318

OCCURRING AROUND 11 MINUTE AND

1709

01:00:38,318 --> 01:00:39,185

FIVE SECONDS.

1710

01:00:39,185 --> 01:00:39,986

JUST ABOUT NOW.

1711

01:00:39,986 --> 01:00:41,587

LET'S WAIT FOR CONFIRMATION.

1712

01:00:41,587 --> 01:00:46,526

>> DRAGON, SEPARATION CONFIRMED.

1713

01:00:51,230 --> 01:00:49,095

>>

1714

01:00:51,230 --> 01:00:54,500

[CHEERS AND APPLAUSE]

1715

01:00:54,500 --> 01:00:56,803

>> YOU ARE LOOKING AT A VIEW

1716

01:00:56,803 --> 01:00:58,338

FROM THE TOP OF THE SECOND STAGE

1717

01:00:58,338 --> 01:01:01,140

OF A FALCON 9 ROCKET, AND HARD

1718

01:01:01,140 --> 01:01:03,042

TO MAKE OUT IN THE SHADOW OF THE

1719

01:01:03,042 --> 01:01:05,945

EARTH, BUT THAT IS THE DRAGON

1720

01:01:05,945 --> 01:01:06,979

2 SPACECRAFT FLYING IN SPACE FOR

1721

01:01:06,979 --> 01:01:10,350

THE FIRST TIME AFTER A

1722

01:01:10,350 --> 01:01:13,152

SUCCESSFUL SEPARATION.

1723

01:01:13,152 --> 01:01:14,721

>> THIS IS A GREAT DAY FOR

1724

01:01:14,721 --> 01:01:16,656

EVERYONE HERE AT SPACEX AND

1725

01:01:16,656 --> 01:01:16,956

NASA.

1726

01:01:16,956 --> 01:01:19,425

LET'S TO BACK OVER TO FAIR

1727

01:01:19,425 --> 01:01:20,893

JOHNSON AND SEE HOW THEY ARE

1728

01:01:20,893 --> 01:01:21,694

HANDLING IT OVER THERE.

1729

01:01:21,694 --> 01:01:23,763

IT IS KIND OF CRAZY OVER HERE.

1730

01:01:23,763 --> 01:01:27,433

HOW IS IT OVER THERE, GARY?

1731

01:01:27,433 --> 01:01:28,568

>> THANKS, TOM.

1732

01:01:28,568 --> 01:01:30,203

WE WERE DEFINITELY ENJOYING

1733

01:01:30,203 --> 01:01:31,571

HEARING SOME OF THE CHEERS FROM

1734

01:01:31,571 --> 01:01:32,939

OVER YOU GUYS, WHERE YOU CAN

1735

01:01:32,939 --> 01:01:34,540

ACTUALLY SEE BEHIND US WE HAVE

1736

01:01:34,540 --> 01:01:35,975

QUITE A NUMBER OF VIEWERS HERE

1737

01:01:35,975 --> 01:01:36,943

IN THE INTERNATIONAL SPACE

1738

01:01:36,943 --> 01:01:38,077

STATION FLIGHT CONTROL ROOM,

1739

01:01:38,077 --> 01:01:40,646

VERY EXCITING TIME WE HAVE, NOW

1740

01:01:40,646 --> 01:01:42,582

THEY ARE WAVING.

1741

01:01:42,582 --> 01:01:44,150

SO THIS IS, FOR US HERE IN

1742

01:01:44,150 --> 01:01:45,351

MISSION CONTROL HOUSTON THIS IS

1743

01:01:45,351 --> 01:01:47,487

JUST THE BEGINNING NOW THAT

1744

01:01:47,487 --> 01:01:50,089

DRAGON IS IN ORBIT.

1745

01:01:50,089 --> 01:01:52,625

WE HAVE JUST OVER A DAY UNTIL

1746

01:01:52,625 --> 01:01:53,960

DRAGON IS SCHEDULED TO BE DOCKED

1747

01:01:53,960 --> 01:01:54,627

TO THE INTERNATIONAL SPACE

1748

01:01:54,627 --> 01:01:54,961

STATION.

1749

01:01:54,961 --> 01:01:56,863

THERE IS A LOT OF MILESTONES TO

1750

01:01:56,863 --> 01:01:58,531

GET THROUGH, THE YOU HAVE BEEN

1751

01:01:58,531 --> 01:02:00,133

AGAIN, VIEWING THEIR PROCEDURES,

1752

01:02:00,133 --> 01:02:02,301

GETTING READY FOR SOME OF THOUGH

1753

01:02:02,301 --> 01:02:03,369

MOMENTS, AGAIN, MONITORING THE

1754

01:02:03,369 --> 01:02:05,004

APPROACH AND EVEN PERFORMING

1755

01:02:05,004 --> 01:02:06,572

SOME COMMANDS WHILE THE DRAGON

1756

01:02:06,572 --> 01:02:08,040

IS CLOSE ENOUGH.

1757

01:02:08,040 --> 01:02:09,409

BUT AGAIN, THERE IS A LOT OF

1758

01:02:09,409 --> 01:02:11,043

WORK TO. DO WE HAVE DOCKING

1759

01:02:11,043 --> 01:02:12,845

SCHEDULED FOR 6:00 A.M.

1760

01:02:12,845 --> 01:02:13,212

TOMORROW.

1761

01:02:13,212 --> 01:02:15,148

WE WILL CONTINUE TO MONITOR

1762

01:02:15,148 --> 01:02:16,315

DRAGON DURING THAT TIME.

1763

01:02:16,315 --> 01:02:18,751

IN THE MEANTIME WE WILL TOSS TO

1764

01:02:18,751 --> 01:02:19,819

LAUREN AND DAN TO WITNESS SOME

1765

01:02:19,819 --> 01:02:22,054

OF THESE FINAL MILESTONES OF

1766

01:02:22,054 --> 01:02:23,823

DRAGON NOW IT IS IN ORBIT.

1767

01:02:23,823 --> 01:02:26,025

BACK TO YOU.

1768

01:02:26,025 --> 01:02:28,694

>> THANK YOU, FAIR.

1769

01:02:28,694 --> 01:02:32,565

NOW FOR --

1770

01:02:32,565 --> 01:02:35,968

[CHEERS AND APPLAUSE]

1771

01:02:46,646 --> 01:02:42,642

>>

1772

01:02:46,646 --> 01:02:50,216

MOST MOST, NOSE COHEN WILL OPEN

1773

01:02:50,216 --> 01:02:54,687

AND THE NAVIGATING MECHANISM AND

1774

01:02:54,687 --> 01:02:56,756

THE GRADUAL LINE OF BURNS TO

1775

01:02:56,756 --> 01:02:58,257

LINE UP MORE CLOSELY WITH THE

1776

01:02:58,257 --> 01:03:00,827

INTERNATIONAL SPACE STATION.

1777

01:03:00,827 --> 01:03:03,529

>> WE HAD A SUCCESSFUL LAUNCH OF

1778

01:03:03,529 --> 01:03:06,499

STAGE 1 AND DRAGON, OF COURSE.

1779

01:03:06,499 --> 01:03:08,468

THE LAND ON THE VIDEO SHIP.

1780

01:03:08,468 --> 01:03:10,036

YOU GET TO CHECK OUT THE VIDEO.

1781

01:03:10,036 --> 01:03:11,437

DRAGON SEPARATED AND ACTIVATED

1782

01:03:11,437 --> 01:03:13,372

AND NOW ON ITS MISSION.

1783

01:03:13,372 --> 01:03:14,907

ON BEHALF OF SPACEX AND NASA,

1784

01:03:14,907 --> 01:03:16,509

THANK YOU FOR WATCHING TODAY'S

1785

01:03:16,509 --> 01:03:16,909

BROADCAST.

1786

01:03:16,909 --> 01:03:17,677

THANK YOU FOR YOUR INTEREST IN

1787

01:03:17,677 --> 01:03:20,279

THE MISSION, AND A BIG THANK YOU

1788

01:03:20,279 --> 01:03:22,148

TO EVERYBODY FOR MAKING TODAY'S

1789

01:03:22,148 --> 01:03:22,615

LAUNCH POSSIBLE.

1790

01:03:22,615 --> 01:03:25,551

>> CREW DRAGON MISSION FAR FROM

1791

01:03:25,551 --> 01:03:27,153

OVER AND IN THE NEXT DAY OR SO

1792

01:03:27,153 --> 01:03:28,721

IT WILL GO TO THE SPACE STATION

1793

01:03:28,721 --> 01:03:30,756

AND ARRIVE AND DOCK JUST BEFORE

1794

01:03:30,756 --> 01:03:31,891

6:00 A.M. EASTERN TOMORROW A

1795

01:03:31,891 --> 01:03:33,359

GOING TO SPEND FIVE DAYS

1796

01:03:33,359 --> 01:03:35,161

ATTACHED. TO GET THERE IT IS

1797

01:03:35,161 --> 01:03:37,296

GOING TO BEGIN THE PHASE OF

1798

01:03:37,296 --> 01:03:39,465

BURNS TO RAISE THE ORBIT JUST BE

1799

01:03:39,465 --> 01:03:40,500

NEAT SPACE STATION WHERE YOU

1800

01:03:40,500 --> 01:03:41,601

BEGIN THE SLOW AND STEADY

1801
01:03:41,601 --> 01:03:45,238
APPROACH TO DOCKABLE DOCKING W

1802
01:03:45,238 --> 01:03:47,740
HE BROADCAST THE DOCKING LIVE ON

1803
01:03:47,740 --> 01:03:49,609
NASA TV, OUR COVERAGE WILL BEGIN

1804
01:03:49,609 --> 01:03:51,077
AT 3:30 A.M. EASTERN TIME.

1805
01:03:51,077 --> 01:03:53,179
SO BE SURE TO FOLLOW SPACEX AND

1806
01:03:53,179 --> 01:03:54,413
NASA ON SOCIAL MEDIA FOR

1807
01:03:54,413 --> 01:03:55,248
REAL-TIME UPDATES.

1808
01:03:55,248 --> 01:03:56,549
THANK YOU AGAIN FOR WATCHING.

1809
01:03:56,549 --> 01:03:58,117
AND HOPEFULLY YOU WILL JOIN US

1810
01:03:58,117 --> 01:04:01,787
FOR DOCKING.

1811
01:04:01,787 --> 01:04:08,828
>> T MINUS FEBRUARY 2NDS -- T

1812
01:04:08,828 --> 01:04:10,129
MINUS 15 SECONDS.

1813
01:04:10,129 --> 01:04:18,538

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

1814

01:04:18,538 --> 01:04:19,972

>> ZERO.