

Space Station Views of Hurricane Dorian: Sep. 4, 2019



1
00:00:05,110 --> 00:00:03,429
this is mission control houston good

2
00:00:07,909 --> 00:00:05,120
morning

3
00:00:10,709 --> 00:00:07,919
today is september 4th 2019. you're

4
00:00:12,470 --> 00:00:10,719
getting an inside look live at the

5
00:00:14,549 --> 00:00:12,480
international space station flight

6
00:00:16,310 --> 00:00:14,559
control room

7
00:00:18,070 --> 00:00:16,320
teams here are just starting the orbit

8
00:00:20,710 --> 00:00:18,080
two shift for this today that's the

9
00:00:23,029 --> 00:00:20,720
second of three 24-hour shifts that

10
00:00:28,950 --> 00:00:23,039
monitor the international space station

11
00:00:32,389 --> 00:00:30,550
teams here are overseeing the systems

12
00:00:35,590 --> 00:00:32,399
aboard the international space station

13
00:00:38,069 --> 00:00:35,600

as it makes its way uh over the border

14

00:00:39,510 --> 00:00:38,079

of the united states on a southeastern

15

00:00:41,350 --> 00:00:39,520

track

16

00:00:43,670 --> 00:00:41,360

towards the coast the east coast of

17

00:00:45,510 --> 00:00:43,680

north carolina

18

00:00:47,510 --> 00:00:45,520

where hurricane dorian will soon be

19

00:00:49,670 --> 00:00:47,520

visible from some of the external high

20

00:00:56,229 --> 00:00:49,680

definition cameras aboard the

21

00:01:01,110 --> 00:00:58,709

as the space station orbits 17

22

00:01:06,070 --> 00:01:01,120

500 miles per hour we get some good

23

00:01:06,080 --> 00:01:09,590

for the past several days

24

00:01:13,350 --> 00:01:10,950

and we've been following along the

25

00:01:14,630 --> 00:01:13,360

hurricane's track as it makes its way

26

00:01:17,350 --> 00:01:14,640

northward

27

00:01:19,190 --> 00:01:17,360

up the atlantic just off the coast of

28

00:01:23,270 --> 00:01:19,200

some of the southeastern states of the

29

00:01:28,550 --> 00:01:26,149

as of now the latest update we have from

30

00:01:31,990 --> 00:01:28,560

the national hurricane center is at 9 00

31

00:01:34,310 --> 00:01:32,000

a.m eastern 8 a.m central

32

00:01:36,950 --> 00:01:34,320

at that time hurricane dorian was

33

00:01:39,350 --> 00:01:36,960

identified the eye of which was

34

00:01:42,230 --> 00:01:39,360

identified 90 miles east northeast of

35

00:01:50,069 --> 00:01:42,240

daytona beach and 135 miles east

36

00:01:53,510 --> 00:01:51,910

getting some good views from the

37

00:01:54,550 --> 00:01:53,520

international space station we should be

38

00:01:55,910 --> 00:01:54,560

able to

39

00:02:00,230 --> 00:01:55,920

sustain these views throughout the

40

00:02:04,789 --> 00:02:02,709

we're looking at just about an 11 minute

41

00:02:07,749 --> 00:02:04,799

pass coming up here as the station

42

00:02:10,550 --> 00:02:07,759

orbits 262 miles over the northern

43

00:02:13,510 --> 00:02:10,560

united states now

44

00:02:15,910 --> 00:02:13,520

we're expected to see the

45

00:02:17,589 --> 00:02:15,920

hurricane dorian just the outside of it

46

00:02:19,589 --> 00:02:17,599

along the horizon

47

00:02:27,589 --> 00:02:19,599

in just about a minute or so and sustain

48

00:02:31,990 --> 00:02:29,830

hurricane dorian at the time of the

49

00:02:35,030 --> 00:02:32,000

national hurricane center update

50

00:02:37,350 --> 00:02:35,040

just less than an hour ago

51
00:02:40,150 --> 00:02:37,360
it's identified as a category 2 with

52
00:02:41,350 --> 00:02:40,160
maximum sustained winds at 105 miles per

53
00:02:42,470 --> 00:02:41,360
hour again

54
00:02:44,150 --> 00:02:42,480
just

55
00:02:46,710 --> 00:02:44,160
off the coast of florida moving

56
00:02:49,350 --> 00:02:46,720
northward

57
00:02:53,509 --> 00:02:49,360
specifically moving north northwest at

58
00:02:58,630 --> 00:02:55,990
the storm itself from yesterday's update

59
00:03:00,790 --> 00:02:58,640
has decreased in strength but has become

60
00:03:02,470 --> 00:03:00,800
a wider storm so it's still

61
00:03:04,710 --> 00:03:02,480
very dangerous and there are still

62
00:03:05,830 --> 00:03:04,720
hurricane warnings and storm surge

63
00:03:11,270 --> 00:03:05,840

warnings

64

00:03:16,149 --> 00:03:14,070

predictions now estimate that it could

65

00:03:17,990 --> 00:03:16,159

make landfall in the next day or so with

66

00:03:19,750 --> 00:03:18,000

the carolinas

67

00:03:21,430 --> 00:03:19,760

or it could move northward and follow

68

00:03:23,830 --> 00:03:21,440

the atlantic coast

69

00:03:25,589 --> 00:03:23,840

outward and and start affecting virginia

70

00:03:28,390 --> 00:03:25,599

and the chesapeake bay before it heads

71

00:03:30,550 --> 00:03:28,400

out east uh towards the atlantic ocean

72

00:03:32,470 --> 00:03:30,560

again these updates from 9 a.m eastern 8

73

00:03:53,589 --> 00:03:32,480

a.m central from the national hurricane

74

00:03:57,190 --> 00:03:56,070

some clouds coming into view of the

75

00:04:00,390 --> 00:03:57,200

horizon of the earth as the

76

00:04:02,470 --> 00:04:00,400

international space station flies 262

77

00:04:04,550 --> 00:04:02,480

statute miles over the southern border

78

00:04:11,910 --> 00:04:04,560

of minnesota on a southeasterly track

79

00:04:15,190 --> 00:04:13,429

again we've been providing some live

80

00:04:16,949 --> 00:04:15,200

views from some of these external high

81

00:04:18,710 --> 00:04:16,959

definition cameras on the outside of the

82

00:04:21,189 --> 00:04:18,720

international space station

83

00:04:23,350 --> 00:04:21,199

astronauts inside have also been

84

00:04:25,670 --> 00:04:23,360

sharing their view

85

00:04:27,749 --> 00:04:25,680

from the cupola window the seven uh

86

00:04:30,150 --> 00:04:27,759

window bay window that's on the

87

00:04:32,070 --> 00:04:30,160

earth-facing side of the international

88

00:04:33,030 --> 00:04:32,080

space station providing their reviews

89

00:04:35,350 --> 00:04:33,040

from

90

00:04:36,469 --> 00:04:35,360

their twitter accounts

91

00:04:38,310 --> 00:04:36,479

follow

92

00:04:39,749 --> 00:04:38,320

andrew morgan nick hague and christina

93

00:04:43,430 --> 00:04:39,759

cook aboard the international space

94

00:04:45,189 --> 00:04:43,440

station sharing their views

95

00:04:47,990 --> 00:04:45,199

now is the international space station

96

00:04:51,749 --> 00:04:48,000

flying 262 statute miles over the

97

00:04:53,749 --> 00:04:51,759

southern border of wisconsin

98

00:04:55,430 --> 00:04:53,759

hurricane dorian becoming very clear in

99

00:04:57,270 --> 00:04:55,440

the horizon there

100

00:05:28,469 --> 00:04:57,280

again we're looking at an 11 minute pass

101
00:05:31,909 --> 00:05:29,909
again the latest update from the

102
00:05:34,230 --> 00:05:31,919
national hurricane center

103
00:05:37,990 --> 00:05:34,240
puts the eye of the storm 90 miles east

104
00:05:41,749 --> 00:05:38,000
northeast of daytona beach 135 miles

105
00:05:45,110 --> 00:05:41,759
east southeast of jacksonville florida

106
00:05:46,550 --> 00:05:45,120
now a category 2 storm

107
00:05:49,590 --> 00:05:46,560
and will affect

108
00:05:51,189 --> 00:05:49,600
much of the southeastern united states

109
00:06:02,790 --> 00:05:51,199
including florida georgia and south

110
00:06:05,670 --> 00:06:04,309
the center of the storm becoming very

111
00:06:07,670 --> 00:06:05,680
clear

112
00:06:09,510 --> 00:06:07,680
again that center just off the coast of

113
00:06:12,790 --> 00:06:09,520

florida the international space station

114

00:06:22,629 --> 00:06:12,800

itself from this view 262 statute miles

115

00:06:26,070 --> 00:06:24,150

the track of the international space

116

00:06:28,629 --> 00:06:26,080

station will put

117

00:06:40,390 --> 00:06:28,639

our past just north and slightly east of

118

00:06:44,629 --> 00:06:42,230

hurricane dorian again over the weekend

119

00:06:47,430 --> 00:06:44,639

made landfall with the bahamas

120

00:06:49,589 --> 00:06:47,440

as a category 5 hurricane and moved

121

00:06:51,830 --> 00:06:49,599

slowly across the

122

00:06:54,070 --> 00:06:51,840

grand bahama island

123

00:06:56,710 --> 00:06:54,080

on a western track

124

00:06:58,790 --> 00:06:56,720

it decreased in strength to a category 2

125

00:07:01,189 --> 00:06:58,800

by the time it started affecting the

126

00:07:03,110 --> 00:07:01,199

florida coast but again you can see it's

127

00:07:24,790 --> 00:07:03,120

a much wider storm now so those effects

128

00:07:29,189 --> 00:07:26,469

the eye of the storm clear from this

129

00:07:31,350 --> 00:07:29,199

view the international space station 261

130

00:07:33,510 --> 00:07:31,360

statute miles over the northern border

131

00:07:35,589 --> 00:07:33,520

of north carolina

132

00:08:05,189 --> 00:07:35,599

again that center of the storm just 90

133

00:08:08,869 --> 00:08:06,869

the central pressure of the storm that

134

00:08:11,869 --> 00:08:08,879

you can see at the center there was last

135

00:08:14,550 --> 00:08:11,879

recorded just under an hour ago as

136

00:08:16,230 --> 00:08:14,560

964 millibars as minimum central

137

00:08:19,909 --> 00:08:16,240

pressure

138

00:08:30,869 --> 00:08:19,919

and the maximum sustained winds were 105

139

00:08:35,350 --> 00:08:32,790

we're on the north side of the storm now

140

00:08:47,829 --> 00:08:35,360

just off the coast off the east coast of

141

00:08:51,990 --> 00:08:50,230

again hurricane dorian still expected to

142

00:09:00,550 --> 00:08:52,000

affect much of the southeastern coast of

143

00:09:04,389 --> 00:09:02,790

some recent predictions also mentioned

144

00:09:07,110 --> 00:09:04,399

it may affect the coast of virginia as

145

00:09:36,150 --> 00:09:07,120

well as the chesapeake bay

146

00:09:41,590 --> 00:09:38,710

space stations track currently about

147

00:09:45,190 --> 00:09:41,600

northeast of the storm over the atlantic

148

00:09:47,269 --> 00:09:45,200

ocean 261 statute miles the track of the

149

00:09:49,269 --> 00:09:47,279

space station will continue to follow

150

00:10:16,230 --> 00:09:49,279

over the atlantic ocean east of much of

151
00:10:21,110 --> 00:10:18,310
now passing almost directly east of the

152
00:10:24,470 --> 00:10:21,120
storm again over the atlantic ocean that

153
00:10:26,550 --> 00:10:24,480
center of the storm 135 miles east

154
00:10:29,350 --> 00:10:26,560
southeast of jacksonville florida 90

155
00:10:31,910 --> 00:10:29,360
miles east northeast of daytona beach

156
00:10:33,910 --> 00:10:31,920
traveling slowly up the atlantic ocean

157
00:10:37,030 --> 00:10:33,920
northward affecting some of those

158
00:10:39,190 --> 00:10:37,040
southeastern states of the united states

159
00:10:41,110 --> 00:10:39,200
including florida georgia and south

160
00:10:42,949 --> 00:10:41,120
carolina it's only traveling at eight

161
00:11:03,110 --> 00:10:42,959
miles per hour on a north northwest

162
00:11:07,350 --> 00:11:05,030
now getting a view from the southeastern

163
00:11:09,190 --> 00:11:07,360

side of the storm some of the islands of

164

00:11:14,069 --> 00:11:09,200

the bahamas coming into view at the

165

00:12:44,949 --> 00:11:16,150

again hurricane dorian made landfall

166

00:12:49,829 --> 00:12:48,150

as we start to lose sight of the storm

167

00:12:54,069 --> 00:12:49,839

the width of the storm itself taking up

168

00:12:58,870 --> 00:12:55,990

again dorian affecting some of the

169

00:13:01,030 --> 00:12:58,880

florida coast and expected to move

170

00:13:03,030 --> 00:13:01,040

up the north

171

00:13:06,230 --> 00:13:03,040

affecting some of the southeastern

172

00:13:09,190 --> 00:13:06,240

states of the united states

173

00:13:11,750 --> 00:13:09,200

little effect to cocoa beach

174

00:13:13,910 --> 00:13:11,760

but again predictions could put a

175

00:13:18,870 --> 00:13:13,920

landfall of the hurricane at the

176
00:13:25,269 --> 00:13:21,110
space station itself traveling on a

177
00:13:27,190 --> 00:13:25,279
southeastern course 261 statute miles

178
00:14:10,790 --> 00:13:27,200
just east off the coast of puerto rico

179
00:14:15,110 --> 00:14:12,550
hurricane dorian disappearing over the

180
00:14:16,790 --> 00:14:15,120
horizon at this point some of the

181
00:14:18,710 --> 00:14:16,800
caribbean islands

182
00:14:20,790 --> 00:14:18,720
to the right of your screen west of the

183
00:14:23,670 --> 00:14:20,800
track of the international space station

184
00:14:31,189 --> 00:14:23,680
that continues to fly 17 500 miles per

185
00:14:34,629 --> 00:14:33,269
you can see some of the views from the

186
00:14:37,750 --> 00:14:34,639
international space station over the

187
00:14:40,069 --> 00:14:37,760
past few days on our uh social media

188
00:14:42,069 --> 00:14:40,079

channels and websites the youtube

189

00:14:44,069 --> 00:14:42,079

channel nasa video has some files from

190

00:14:46,150 --> 00:14:44,079

the past few days you could download

191

00:14:48,110 --> 00:14:46,160

some high resolution

192

00:14:51,670 --> 00:14:48,120

imagery from the space station on

193

00:14:53,110 --> 00:14:51,680

images.nasa.gov as well as archive.org

194

00:14:54,550 --> 00:14:53,120

and again the astronauts on board the

195

00:14:55,829 --> 00:14:54,560

international space station will be

196

00:14:57,750 --> 00:14:55,839

sharing views

197

00:14:59,269 --> 00:14:57,760

andrew morgan nick hague and christina

198

00:15:00,790 --> 00:14:59,279

cook aboard now

199

00:15:02,550 --> 00:15:00,800

follow them on twitter to see some of

200

00:15:04,470 --> 00:15:02,560

their views

201
00:15:06,629 --> 00:15:04,480
well a few more good passes over these

202
00:15:08,230 --> 00:15:06,639
next few days and provide live coverage

203
00:15:10,629 --> 00:15:08,240
of those

204
00:15:13,670 --> 00:15:10,639
tomorrow thursday september 5th

205
00:15:18,710 --> 00:15:13,680
the pass at this time has identified at

206
00:15:19,670 --> 00:15:18,720
nine at 7 59 a.m central time 8 59 a.m

207
00:15:22,310 --> 00:15:19,680
eastern

208
00:15:24,870 --> 00:15:22,320
it should be another 11 minute pass

209
00:15:27,910 --> 00:15:24,880
and slightly earlier on friday september

210
00:15:31,189 --> 00:15:27,920
6 we have a pass at 7 10

211
00:15:34,870 --> 00:15:31,199
a.m central time 8 10 a.m eastern

212
00:15:40,310 --> 00:15:37,670
again stay tuned for some

213
00:15:42,389 --> 00:15:40,320

more updates about the hurricane and its

214

00:15:44,389 --> 00:15:42,399

course at the national hurricane center

215

00:15:46,710 --> 00:15:44,399

go to hurricanes dot gov that's

216

00:15:47,990 --> 00:15:46,720

hurricanes plural stay tuned on your

217

00:15:50,550 --> 00:15:48,000

local channels and prepare for the

218

00:15:53,269 --> 00:15:50,560

hurricane and plan accordingly

219

00:15:57,269 --> 00:15:53,279

look for advice given by local emergency

220

00:16:01,030 --> 00:15:59,189

we'll continue to provide views as we've

221

00:16:02,550 --> 00:16:01,040

identified those passes over the next

222

00:16:04,389 --> 00:16:02,560

few days

223

00:16:06,230 --> 00:16:04,399

stay safe along the southeastern coast

224

00:16:07,829 --> 00:16:06,240

of the united states

225

00:16:24,640 --> 00:16:07,839

until then this is mission control

