



1
00:00:03,590 --> 00:00:02,470
rockets are on the pad we're going to be

2
00:00:15,589 --> 00:00:03,600
clearing the range here in just a few

3
00:00:23,189 --> 00:00:20,070
pad 31 madison wisconsin

4
00:00:26,950 --> 00:00:23,199
madison wisconsin west we're going to

5
00:00:27,750 --> 00:00:26,960
bring this rocket on pad 31 in five four

6
00:00:28,630 --> 00:00:27,760
three

7
00:00:32,549 --> 00:00:28,640
two

8
00:00:37,910 --> 00:00:34,150
madison west

9
00:00:42,150 --> 00:00:39,590
it's arcing over

10
00:00:52,869 --> 00:00:42,160
anyone see it after that point to it and

11
00:00:56,830 --> 00:00:54,790
we have a drove out from the sky

12
00:00:59,990 --> 00:00:56,840
spotters and it's over

13
00:01:02,470 --> 00:01:00,000

here the left side

14

00:01:04,469 --> 00:01:02,480

under a chute

15

00:01:05,750 --> 00:01:04,479

the rocket is coming down now on the

16

00:01:08,149 --> 00:01:05,760

drogue

17

00:01:19,190 --> 00:01:08,159

we're expecting to have a main at 700

18

00:01:28,710 --> 00:01:21,830

rocket's still at a fairly high altitude

19

00:01:28,720 --> 00:01:33,910

still coming down now

20

00:01:43,910 --> 00:01:36,550

this rocket will be behind us from the

21

00:01:47,190 --> 00:01:45,749

yeah it looks like the main chute may

22

00:01:49,510 --> 00:01:47,200

have come out at the top because it's

23

00:01:52,469 --> 00:01:49,520

got a much larger chute than normal and

24

00:01:55,350 --> 00:01:52,479

so it's drifting far

25

00:01:57,670 --> 00:01:55,360

the rocket is now

26

00:02:02,469 --> 00:01:57,680

well past the flight line

27

00:02:11,029 --> 00:02:02,479

moving towards the main farm at about 20

28

00:02:11,039 --> 00:02:21,110

that definitely is a main

29

00:02:25,589 --> 00:02:23,830

yeah the shoot of descent on this rocket

30

00:02:27,190 --> 00:02:25,599

is really slow because it appears that

31

00:02:29,510 --> 00:02:27,200

there was a malfunction in the main

32

00:02:32,869 --> 00:02:29,520

parachute actually deployed

33

00:02:35,830 --> 00:02:32,879

at apogee instead of at 700 feet as a

34

00:02:40,949 --> 00:02:35,840

result this rocket is really drifting

35

00:02:40,959 --> 00:02:47,670

this rocket is going heading north

36

00:02:51,670 --> 00:02:48,830

right

37

00:02:55,509 --> 00:02:51,680

there okay the rocket is now over the

38

00:02:59,350 --> 00:02:57,509

it's over on the west side

39

00:03:01,030 --> 00:02:59,360
of the main road

40

00:03:07,750 --> 00:03:01,040
and heading far

41

00:03:11,110 --> 00:03:09,670
this is uh what happens if a main

42

00:03:13,589 --> 00:03:11,120
parachute

43

00:03:15,910 --> 00:03:13,599
ejects at apogee the rocket floats a

44

00:03:17,910 --> 00:03:15,920
really long way

45

00:03:20,790 --> 00:03:17,920
the normal mode for this rocket would be

46

00:03:23,990 --> 00:03:20,800
to have a small parachute come down fast

47

00:03:26,869 --> 00:03:24,000
and deploy this parachute at 700 feet

48

00:03:55,990 --> 00:03:26,879
so it would land in the launch landing

49

00:04:01,110 --> 00:03:58,949
pad 63 plantation high schools team 2 is

50

00:04:01,990 --> 00:04:01,120
going up in five

51

00:04:02,869 --> 00:04:02,000

four

52

00:04:03,750 --> 00:04:02,879

three

53

00:04:11,350 --> 00:04:03,760

two

54

00:04:14,949 --> 00:04:13,589

oh we could hear a casting grain come

55

00:04:18,069 --> 00:04:14,959

out of the back of that rock at that

56

00:04:20,310 --> 00:04:18,079

thump the rocket's going up

57

00:04:22,469 --> 00:04:20,320

it's arcing over now

58

00:04:23,909 --> 00:04:22,479

smoke trail is gone but it's arcing over

59

00:04:27,670 --> 00:04:23,919

we're looking for the event as it's

60

00:04:29,749 --> 00:04:27,680

starking down we've got the drogue out

61

00:04:36,230 --> 00:04:29,759

this again is going to have a main at

62

00:04:36,240 --> 00:04:44,629

i lost

63

00:04:54,070 --> 00:04:47,270

okay it's to the south just a little

64

00:04:57,430 --> 00:04:55,270

it is

65

00:04:59,670 --> 00:04:57,440

directly south of us

66

00:05:03,110 --> 00:04:59,680

right over the road

67

00:05:04,950 --> 00:05:03,120

looking at to be about 2 200 feet

68

00:05:06,790 --> 00:05:04,960

this is going to come out at 500 and

69

00:05:09,110 --> 00:05:06,800

it's heading west where we want it into

70

00:05:15,430 --> 00:05:09,120

the landing zone

71

00:05:21,990 --> 00:05:17,430

it's doing the tumble and the wind which

72

00:05:24,710 --> 00:05:23,510

again this is going to have a main at

73

00:05:26,469 --> 00:05:24,720

500

74

00:05:31,430 --> 00:05:26,479

as it's crossing about a thousand feet

75

00:05:35,990 --> 00:05:33,749

that's about 800 right now it's coming

76
00:05:40,070 --> 00:05:36,000
down and we're waiting for five there's

77
00:05:42,629 --> 00:05:40,080
about to 700 feet 650

78
00:05:44,629 --> 00:05:42,639
600

79
00:05:46,950 --> 00:05:44,639
each

80
00:05:48,070 --> 00:05:46,960
550 should be about

81
00:05:49,830 --> 00:05:48,080
now

82
00:05:52,550 --> 00:05:49,840
yup i missed it

83
00:05:55,830 --> 00:05:52,560
it's about 400 there it went the backup

84
00:05:55,840 --> 00:06:02,230
plantation high school team two

85
00:06:08,309 --> 00:06:04,710
when we finish this let's make a public

86
00:06:17,189 --> 00:06:11,590
okay the last rocket on this uh set

87
00:06:20,469 --> 00:06:18,950
i hear from the

88
00:06:22,710 --> 00:06:20,479

boots in the crowd that they're ready to

89

00:06:24,590 --> 00:06:22,720

go are you ready

90

00:06:27,670 --> 00:06:24,600

this is going to be a cti

91

00:06:31,110 --> 00:06:27,680

11720 this is going to punch

92

00:06:38,950 --> 00:06:31,120

river city rocketry pad 64. going in

93

00:06:44,390 --> 00:06:41,909

ah a roar of that l motor the rocket's

94

00:06:47,830 --> 00:06:44,400

going up under the tracking smoke

95

00:06:50,150 --> 00:06:47,840

it's just starting to arc over

96

00:06:52,070 --> 00:06:50,160

reached its apogee

97

00:06:54,309 --> 00:06:52,080

it's doing the down part of the arc

98

00:06:56,150 --> 00:06:54,319

ready for the separation phase there is

99

00:06:58,230 --> 00:06:56,160

the separation phase in the reported

100

00:07:00,870 --> 00:06:58,240

event

101
00:07:03,990 --> 00:07:00,880
it is under a small drogue now to the

102
00:07:12,070 --> 00:07:04,000
south east and it looks like it popped

103
00:07:12,080 --> 00:07:16,629
which means it's a foul shoot

104
00:07:20,469 --> 00:07:18,469
we've got a shoot that's not fully

105
00:07:23,350 --> 00:07:20,479
deployed out there

106
00:07:25,510 --> 00:07:23,360
acting like a drogue

107
00:07:31,510 --> 00:07:25,520
we're looking for

108
00:07:34,950 --> 00:07:33,189
the rocket's south of us just a little

109
00:07:37,510 --> 00:07:34,960
bit to the southeast

110
00:07:39,189 --> 00:07:37,520
as it's heading towards us

111
00:07:43,589 --> 00:07:39,199
at the flight line here we want the

112
00:07:49,670 --> 00:07:45,270
i want everybody looking at this rocket

113
00:07:55,430 --> 00:07:53,189

it's over the road and towards the west

114

00:08:00,230 --> 00:07:55,440

keep an eye out on this the main should

115

00:08:03,909 --> 00:08:01,749

we've confirmed this had to be the main

116

00:08:08,869 --> 00:08:03,919

and it didn't deploy there is no main

117

00:08:14,790 --> 00:08:13,110

uc davis pad 51 going in five four

118

00:08:15,670 --> 00:08:14,800

three two

119

00:08:19,029 --> 00:08:15,680

one

120

00:08:24,309 --> 00:08:22,869

uc davis studying microgravity

121

00:08:27,909 --> 00:08:24,319

spoke trail

122

00:08:30,150 --> 00:08:27,919

going to apogee going to apogee

123

00:08:31,430 --> 00:08:30,160

the rocket's still going it's at the top

124

00:08:33,509 --> 00:08:31,440

of the arc

125

00:08:35,909 --> 00:08:33,519

looking for an event

126

00:08:40,870 --> 00:08:35,919

there's the event

127

00:08:44,480 --> 00:08:44,470

the rocket is coming down now

128

00:08:49,509 --> 00:08:47,030

you'll see two parts separated by a

129

00:08:51,509 --> 00:08:49,519

nylon strap heavy duty straps that

130

00:08:53,430 --> 00:08:51,519

people use to mountain climb and risk

131

00:08:55,030 --> 00:08:53,440

their lives on

132

00:08:56,710 --> 00:08:55,040

small drogue chute is in the center of

133

00:08:58,470 --> 00:08:56,720

that one and it helps stabilize the

134

00:09:00,310 --> 00:08:58,480

rocket as the two parts come down

135

00:09:03,430 --> 00:09:00,320

horizontally

136

00:09:05,829 --> 00:09:03,440

and keep the rocket in a fast but

137

00:09:08,949 --> 00:09:05,839

semi-safe environment

138

00:09:12,630 --> 00:09:08,959

their main is set to go at 760 feet it's

139

00:09:14,550 --> 00:09:12,640

gonna be a little tricky one for me 760.

140

00:09:16,630 --> 00:09:14,560

what happens then is the main parachute

141

00:09:20,230 --> 00:09:16,640

is much larger and slows the rocket down

142

00:09:23,670 --> 00:09:20,240

for a safe landing at a slow speed

143

00:09:25,990 --> 00:09:23,680

in the landing zone the lz moving

144

00:09:27,670 --> 00:09:26,000

through about 1500 feet

145

00:09:30,389 --> 00:09:27,680

moving through about 12

146

00:09:32,710 --> 00:09:30,399

a thousand we're looking for 760 here

147

00:09:34,470 --> 00:09:32,720

there it is

148

00:09:36,790 --> 00:09:34,480

a little bit early

149

00:09:42,550 --> 00:09:36,800

look at that shoot

150

00:09:46,949 --> 00:09:44,389

it's kind of just hanging there the wind

