



1  
00:00:04,060 --> 00:00:05,960  
>> MINUS 30. STATUS CHECK.

2  
00:00:06,240 --> 00:00:07,600  
>> GO DELTA.

3  
00:00:07,674 --> 00:00:11,511  
>> GO PSP.

4  
00:00:34,367 --> 00:00:20,520  
>>

5  
00:00:34,434 --> 00:00:34,934  
10.

6  
00:00:35,001 --> 00:00:37,404  
LIFT-OFF OF THE MIGHTY DELTA 4

7  
00:00:37,470 --> 00:00:41,174  
HEAVY ROCKET, WITH NASA'S PARKER

8  
00:00:41,241 --> 00:00:43,977  
PROBE, DARING MISSION TO SHED

9  
00:00:44,043 --> 00:00:47,914  
LIGHT ON THE CLOSEST STAR, THE

10  
00:00:47,981 --> 00:00:52,485  
SU .

11  
00:01:02,562 --> 00:01:00,193  
>>

12  
00:01:02,629 --> 00:01:05,965  
CONTINUE TO LOOK GOOD ON ALL

13  
00:01:06,032 --> 00:01:09,035

THREE BOOSTERS.

14

00:01:09,102 --> 00:01:11,504

35 SECONDS IN.

15

00:01:11,571 --> 00:01:13,606

REFRESHER ON THE CORE BOOSTER,

16

00:01:13,673 --> 00:01:16,409

TRAVELLING DOWN TO THE PARTIAL

17

00:01:16,476 --> 00:01:18,077

THRUST MODE.

18

00:01:18,144 --> 00:01:25,151

RESPONSE LOOKS GOOD.

19

00:01:25,218 --> 00:01:25,985

50 SECONDS INTO FLIGHT.

20

00:01:26,052 --> 00:01:28,455

STRAP ON BOOSTER LOOKS GOOD.

21

00:01:28,521 --> 00:01:31,958

CORE BOOSTER LOOKS GOOD.

22

00:01:32,025 --> 00:01:35,061

PARTIAL THRUST LOOKS GOOD.

23

00:01:35,128 --> 00:01:39,599

1 MINUTE INTO FLIGHT.

24

00:01:39,666 --> 00:01:42,168

TRAJECTORY LOOKING GOOD, RIGHT

25

00:01:42,235 --> 00:01:44,604

IN THE MIDDLE OF THE LAUNCH PAD.

26

00:01:44,671 --> 00:01:48,341  
1 MINUTE, 10 SECONDS INTO

27

00:01:48,408 --> 00:01:53,580  
FLIGHT.

28

00:01:53,646 --> 00:01:55,448  
COMING UP 1 MINUTE, AND NAME OF

29

00:01:55,515 --> 00:02:00,520  
THE PRESSURE AND DELTA 4,

30

00:02:00,587 --> 00:02:04,324  
SUPERSONIC.

31

00:02:04,390 --> 00:02:08,261  
1 MINUTE, 10 SECONDS INTO

32

00:02:08,328 --> 00:02:08,661  
FLIGHT.

33

00:02:08,661 --> 00:02:10,797  
AND STAR BOOSTER, CONTINUE TO

34

00:02:10,864 --> 00:02:11,664  
LOOK GOOD.

35

00:02:11,731 --> 00:02:15,201  
CORE BOOSTER CONTINUE TO LOOK

36

00:02:15,268 --> 00:02:18,738  
GOOD IN THE THRUST MODE.

37

00:02:18,805 --> 00:02:22,509  
1 MINUTE, 45 SECONDS INTO

38

00:02:22,575 --> 00:02:27,180

FLIGHT.

39

00:02:27,247 --> 00:02:30,416  
CONTINUING TO LOOK GOOD IN THE

40

00:02:30,483 --> 00:02:35,622  
MIDDLE OF THE RANGE TRACK.

41

00:02:35,688 --> 00:02:39,459  
ACS, ACS PRESSURE.

42

00:02:39,526 --> 00:02:43,429  
RESPONSE LOOKS GOOD.

43

00:02:43,496 --> 00:02:47,433  
2 MINUTES, 10 SECONDS IN.

44

00:02:47,500 --> 00:02:50,470  
UPON BOOSTERS CONTINUE TO LOOK

45

00:02:50,537 --> 00:02:51,638  
GOOD.

46

00:02:51,704 --> 00:02:55,875  
CORE BOOSTER LOOKS GOOD IN THE

47

00:02:55,942 --> 00:02:58,077  
PARTIAL MODE.

48

00:02:58,144 --> 00:03:02,282  
DELTA 4 HAS GONE TO CORE

49

00:03:02,348 --> 00:03:04,417  
VIOLENCE.

50

00:03:04,484 --> 00:03:08,321  
2 MINUTES, 10 SECONDS INTO

51  
00:03:08,388 --> 00:03:15,094  
FLIGHT .

52  
00:03:15,161 --> 00:03:20,333  
>> DELTA 4 ROCKET, ONE-HALF OF

53  
00:03:20,400 --> 00:03:26,472  
WHAT IT LAUNCHED.

54  
00:03:26,539 --> 00:03:29,108  
AND LAUNCH VEHICLE IS NOW 33

55  
00:03:29,175 --> 00:03:30,743  
MILES IN ALTITUDE.

56  
00:03:30,810 --> 00:03:37,750  
AND TRAVELLING AT 4500 PER HOUR.

57  
00:03:37,817 --> 00:03:40,620  
3 MINUTES INTO FLIGHT.

58  
00:03:40,687 --> 00:03:42,388  
68 ENGINES PORT BOOSTERS

59  
00:03:42,455 --> 00:03:44,123  
CONTINUE TO LOOK GOOD.

60  
00:03:44,190 --> 00:03:47,627  
CORE BOOSTER LOOKS GOOD IN THE

61  
00:03:47,694 --> 00:03:48,962  
THRUST MODE.

62  
00:03:49,028 --> 00:03:52,599  
3 MINUTES, 15 SECONDS INTO

63  
00:03:52,665 --> 00:04:03,676

FLIGHT.

64

00:04:03,743 --> 00:04:04,744

TRAJECTORY CONTINUING TO LOOK

65

00:04:04,811 --> 00:04:08,414

GOOD IN THE MIDDLE OF THE RAIN

66

00:04:08,481 --> 00:04:11,618

TRACK.

67

00:04:11,684 --> 00:04:15,521

2 MINUTES REMAINING.

68

00:04:15,588 --> 00:04:18,157

CHAMBERS CONTINUING TO LOOK

69

00:04:18,224 --> 00:04:21,227

GOOD.

CORE BOOSTER CONTINUING IN THE

70

00:04:21,294 --> 00:04:22,061

PARTIAL THRUST MODE.

71

00:04:22,128 --> 00:04:25,131

AND STANDING BY FOR A STRAP ON

72

00:04:25,198 --> 00:04:29,902

BOOSTER THROTTLE MOMENTARILY.

73

00:04:29,969 --> 00:04:36,042

BOOSTERS BEGINNING TO THROTTLE

74

00:04:36,109 --> 00:04:36,609

DOW .

75

00:04:36,643 --> 00:04:40,313

AND WE HAVE STRAPPED ON

76

00:04:40,380 --> 00:04:40,880

BOOSTERS.

77

00:04:40,947 --> 00:04:43,883

CORE BOOSTER TRAVELED BACK UP TO

78

00:04:43,950 --> 00:04:45,652

FULL THRUST.

79

00:04:45,718 --> 00:04:59,165

RESPONSE LOOKS GOOD.

80

00:04:59,232 --> 00:05:02,935

4 MINUTES, 25 SECONDS INTO

81

00:05:03,002 --> 00:05:04,837

FLIGHT.

82

00:05:04,904 --> 00:05:07,774

FIRST STAGE LOCK SYSTEM, BEGAN

83

00:05:07,840 --> 00:05:09,509

LOCKED SEQUENCE.

84

00:05:09,575 --> 00:05:14,080

AND 1 MINUTE REMAINING AND BOOST

85

00:05:14,147 --> 00:05:19,819

STAYS AFLIGHT.

86

00:05:19,886 --> 00:05:24,323

AND UPPER STAGE SYSTEM, BOOST

87

00:05:24,390 --> 00:05:33,266

STAY DOWN.

88

00:05:33,332 --> 00:05:34,534  
5 MINUTES INTO FLIGHT.

89  
00:05:34,600 --> 00:05:36,569  
JUST OVER 30 SECONDS NOW

90  
00:05:36,636 --> 00:05:39,572  
REMAINING IN FIRST STAGE.

91  
00:05:39,639 --> 00:05:43,676  
FIRST STAGE OF FLIGHT.

92  
00:05:43,743 --> 00:05:46,679  
CORE BOOSTER ENGINE CONTINUES TO

93  
00:05:46,746 --> 00:05:51,250  
LOOK GOOD IN THE FULL THRUST

94  
00:05:51,317 --> 00:05:52,285  
MODE.

95  
00:05:52,351 --> 00:05:55,388  
FULL TRAJECTORY CONTINUING.

96  
00:05:55,455 --> 00:05:57,657  
5 MINUTES, 20 SECONDS INTO

97  
00:05:57,724 --> 00:05:58,191  
FLIGHT.

98  
00:05:58,191 --> 00:06:01,594  
AND STANDING BY FOR CORE BOOSTER

99  
00:06:01,661 --> 00:06:04,797  
THROTTLE DOWN MOMENTARILY.

100  
00:06:04,864 --> 00:06:06,632  
AND CORE BOOSTER BEGINNING TO

101

00:06:06,699 --> 00:06:09,168

THROTTLE DOWN.

102

00:06:09,235 --> 00:06:13,106

STANDING BY FOR PICO

103

00:06:13,172 --> 00:06:15,241

AND WE HAVE BASIC EBOOSTER,

104

00:06:15,308 --> 00:06:17,376

STANDING BY FOR STAGE SET

105

00:06:17,443 --> 00:06:20,446

AND WE HAVE GOOD INDICATION OF

106

00:06:20,513 --> 00:06:27,320

STAGE SEPARATION.

107

00:06:27,386 --> 00:06:31,791

WE HAVE PRESTART IN ALL 10.

108

00:06:31,858 --> 00:06:34,327

AND WE HAVE IGNITION ON THE ALL

109

00:06:34,393 --> 00:06:36,996

10 ENGINE.

110

00:06:37,063 --> 00:06:40,700

ENGINE CHAMBER PRESSURE LOOKS

111

00:06:40,767 --> 00:06:46,272

GOOD.

112

00:06:46,339 --> 00:06:52,712

WE HAVE GOOD INDICATION OF HALO

113

00:06:52,779 --> 00:06:53,112  
JENSON.

114  
00:06:53,112 --> 00:06:57,183  
AND 6 MINUTES, 20 SECONDS INTO

115  
00:06:57,250 --> 00:06:58,518  
FLIGHT.

116  
00:06:58,584 --> 00:07:00,820  
AND WITH THE BOOST PHASE FLIGHT