



КОСМИЧЕСКАЯ ПРОГРАММА  
НА 2019 ГОД  
НАЗНАЧЕНА НА РЕШЕНИЕ  
ЗАДАЧ ПОСЛАНИИ НА  
СТРАНАМИ НАМИ  
19872019  
20 4.00.21



1  
00:00:08,041 --> 00:00:09,309  
>> THERE IS THE RETRACTION OF

2  
00:00:09,309 --> 00:00:11,945  
THE FIRST OF THE SERVICING

3  
00:00:11,945 --> 00:00:19,219  
TOWERS.

4  
00:00:21,454 --> 00:00:22,689  
THE SECOND TOWER NOW IS

5  
00:00:22,689 --> 00:00:24,657  
BEGINNING TO RETRACT.

6  
00:00:24,657 --> 00:00:26,626  
THE AUTOMATED LAUNCH SEQUENCE

7  
00:00:26,626 --> 00:00:27,127  
UNDERWAY.

8  
00:00:27,127 --> 00:00:31,731  
STANDING BY FOR MAIN ENGINE

9  
00:00:31,731 --> 00:00:32,098  
START.

10  
00:00:32,098 --> 00:00:40,373  
MAIN ENGINE START INITIATED.

11  
00:00:40,373 --> 00:00:42,342  
TURBO PUMPS AND ENGINES UP TO

12  
00:00:42,342 --> 00:00:43,243  
FULL SPEED.

13  
00:00:43,243 --> 00:00:44,144

AND LIFT OFF.

14

00:00:44,144 --> 00:00:47,046

LIFT OFF OF THE 68th PROGRESS

15

00:00:47,046 --> 00:00:48,548

RESUPPLY CRAFT BOUND ON A

16

00:00:48,548 --> 00:00:50,183

TWO-DAY JOURNEY TO THE

17

00:00:50,183 --> 00:00:59,392

INTERNATIONAL SPACE STATION.

18

00:00:59,392 --> 00:01:04,898

GOOD ROLL YAW AND PITCH PROGRAM

19

00:01:04,898 --> 00:01:05,398

REPORTED.

20

00:01:05,398 --> 00:01:07,500

GOOD PERIMETERS.

21

00:01:07,500 --> 00:01:10,136

STAGE ONE ENGINES OPERATING

22

00:01:10,136 --> 00:01:10,904

NORMALLY.

23

00:01:10,904 --> 00:01:12,472

THE SOYUZ BOOSTERS ARCING OUT TO

24

00:01:12,472 --> 00:01:21,281

THE NORTHEAST.

25

00:01:21,281 --> 00:01:24,184

THE VEHICLE IS REPORTED TO BE IN

26  
00:01:24,184 --> 00:01:29,355  
GOOD, STABLE CONFIGURATION.

27  
00:01:29,355 --> 00:01:32,892  
COMING UP ON THE 1-MINUTE MARK

28  
00:01:32,892 --> 00:01:37,730  
IN TO THE FLIGHT.

29  
00:01:37,730 --> 00:01:39,799  
GOOD PRESSURE IN THE COMBUSTION

30  
00:01:39,799 --> 00:01:42,268  
CHAMBERS, A GOOD RIDE SO FAR FOR

31  
00:01:42,268 --> 00:02:03,790  
THE PROGRESS RESUPPLY CRAFT.

32  
00:02:03,790 --> 00:02:05,291  
ALL THE CONTROL SYSTEMS ARE

33  
00:02:05,291 --> 00:02:06,893  
REPORTED TO BE IN GOOD SHAPE AS

34  
00:02:06,893 --> 00:02:09,696  
WE PASS THE 90-2ND MARK IN TO

35  
00:02:09,696 --> 00:02:16,936  
THE FLIGHT.

36  
00:02:16,936 --> 00:02:25,078  
ALL ENGINES OPERATING NORMALLY.

37  
00:02:25,078 --> 00:02:27,380  
STANDING BY FOR FIRST STAGE

38  
00:02:27,380 --> 00:02:32,652

SHUTDOWN AND SEPARATION.

39

00:02:32,652 --> 00:02:34,387  
YAW PITCH AND ROLL PROGRAM IS

40

00:02:34,387 --> 00:02:45,398  
ALL NORMAL.

41

00:02:45,398 --> 00:02:47,367  
AND WE HAVE HAD CONFIRMATION OF

42

00:02:47,367 --> 00:02:53,940  
FIRST STAGE SEPARATION.

43

00:02:53,940 --> 00:02:55,542  
2:20 IN TO THE FLIGHT.

44

00:02:55,542 --> 00:02:57,877  
THE VEHICLE TRAVELING 4500 MILES

45

00:02:57,877 --> 00:03:01,414  
AN HOUR, 29 MILES IN ALTITUDE,

46

00:03:01,414 --> 00:03:03,016  
29 MILES DOWN RANGE FROM THE

47

00:03:03,016 --> 00:03:05,351  
BIKE NOR COSMODROME.

48

00:03:05,351 --> 00:03:06,886  
ALL STRUCTURAL PERIMETERS ARE

49

00:03:06,886 --> 00:03:15,361  
REPORTED TONIGHT NORMAL.

50

00:03:15,361 --> 00:03:17,463  
SECOND STAGE ENGINE PERFORMANCE

51  
00:03:17,463 --> 00:03:19,465  
REPORTED NOMINAL FROM THE BLOCK

52  
00:03:19,465 --> 00:03:32,612  
HOUSE DOWN IN BAIKONUR.

53  
00:03:32,612 --> 00:03:34,080  
ALL CONTROL SYSTEMS ARE REPORTED

54  
00:03:34,080 --> 00:03:38,084  
TO BE IN EXCELLENT SHAPE.

55  
00:03:38,084 --> 00:03:39,786  
JUST OVER THREE MINUTES IN TO

56  
00:03:39,786 --> 00:03:40,587  
THE FLIGHT.

57  
00:03:40,587 --> 00:03:44,223  
IT WILL TAKE EIGHT MINUTES, 46

58  
00:03:44,223 --> 00:03:46,292  
SECONDS FOR THE PROGRESS TO

59  
00:03:46,292 --> 00:03:58,738  
REACH ITS PRELIMINARY ORBIT.

60  
00:03:58,738 --> 00:04:01,741  
THE SHROUD HAS BEEN JETTISON.

61  
00:04:01,741 --> 00:04:03,676  
THE CRAFT NOW POSITIONED TO ITS

62  
00:04:03,676 --> 00:04:04,911  
OWN SPACE TRAVEL.

63  
00:04:04,911 --> 00:04:06,446

SECOND STAGE ENGINES CONTINUE TO

64

00:04:06,446 --> 00:04:07,480  
PERFORM NORMALLY.

65

00:04:07,480 --> 00:04:11,851  
3 1/2 MINUTES IN TO THE FLIGHT.

66

00:04:11,851 --> 00:04:13,686  
THE SOYUZ BOOSTER TRAVELING MORE

67

00:04:13,686 --> 00:04:15,154  
THAN 6,000 MILES AN HOUR.

68

00:04:15,154 --> 00:04:17,423  
66 MILES IN ALTITUDE.

69

00:04:17,423 --> 00:04:19,559  
125 MILES DOWN RANGE FROM THE

70

00:04:19,559 --> 00:04:30,370  
BAIKONUR COSMODROME.

71

00:04:30,370 --> 00:04:32,105  
ABOUT ONE MORE MINUTE LEFT IN

72

00:04:32,105 --> 00:04:35,241  
SECOND STAGE PERFORMANCE.

73

00:04:35,241 --> 00:04:36,976  
THE THIRD STAGE WILL IGNITE

74

00:04:36,976 --> 00:04:38,645  
BEFORE THE SEPARATION OF THE

75

00:04:38,645 --> 00:04:40,480  
SECOND STAGE IN WHAT IS CALLED A

76  
00:04:40,480 --> 00:04:43,750  
HOT STAGE FIRING.

77  
00:04:43,750 --> 00:04:45,518  
SECOND STAGE ENGINES CONTINUE TO

78  
00:04:45,518 --> 00:04:47,720  
FIRE NORMALLY.

79  
00:04:47,720 --> 00:04:51,958  
4:15 IN TO THE FLIGHT.

80  
00:04:51,958 --> 00:04:57,697  
YAW PITCH AND ROLL PROGRAM ALL

81  
00:04:57,697 --> 00:04:58,631  
NORMAL.

82  
00:04:58,631 --> 00:05:06,105  
LIFT OFF AGAIN OCCURRED AT

83  
00:05:06,105 --> 00:05:10,376  
3:46:63 A.M. CENTRAL TIME.

84  
00:05:10,376 --> 00:05:13,046  
4:46:63 EASTERN TIME.

85  
00:05:13,046 --> 00:05:15,648  
2:46 P.M. AT THE BAIKONUR

86  
00:05:15,648 --> 00:05:16,115  
COSMODROME.

87  
00:05:16,115 --> 00:05:19,886  
ALL SOYUZ BOOSTER PERIMETERS ARE

88  
00:05:19,886 --> 00:05:22,689

NORMAL.

89

00:05:22,689 --> 00:05:23,623

4:47 IN TO THE FLIGHT.

90

00:05:23,623 --> 00:05:25,892

STANDING BY TO SECOND STAGE

91

00:05:25,892 --> 00:05:32,799

SHUTDOWN AND SEPARATION.

92

00:05:32,799 --> 00:05:39,605

ARE AND WE HAVE HAD THIRD STAGE

93

00:05:39,605 --> 00:05:41,441

IGNITION, SECOND STAGE SHUTDOWN

94

00:05:41,441 --> 00:05:42,642

AND SEPARATION.

95

00:05:42,642 --> 00:05:44,510

THE PROGRESS 68 RIDING ATOP OF

96

00:05:44,510 --> 00:05:46,245

THE SINGULAR POWER OF THE THIRD

97

00:05:46,245 --> 00:05:48,081

STAGE ENGINES RIGHT NOW FOR THE

98

00:05:48,081 --> 00:05:56,089

REMAINDER OF POWERED FLIGHT.

99

00:05:56,089 --> 00:05:57,957

COMING UP ON THE 5 1/2 MINUTE

100

00:05:57,957 --> 00:06:05,098

MARK IN TO THE FLIGHT.

101  
00:06:05,098 --> 00:06:06,666  
ALL VEHICLE PERIMETERS ARE

102  
00:06:06,666 --> 00:06:09,902  
REPORTED TO BE NORMAL.

103  
00:06:09,902 --> 00:06:12,138  
FLIGHT CONTROL TEAM TO THE

104  
00:06:12,138 --> 00:06:13,706  
RUSSIAN CONTROL MISSION CENTER

105  
00:06:13,706 --> 00:06:15,508  
STANDING BY TO TAKE OVER CONTROL

106  
00:06:15,508 --> 00:06:18,678  
OF THE PROGRESS' JOURNEY TO THE

107  
00:06:18,678 --> 00:06:20,079  
INTERNATIONAL SPACE STATION

108  
00:06:20,079 --> 00:06:25,118  
AFTER THIRD STAGE SHUTDOWN AND

109  
00:06:25,118 --> 00:06:35,194  
SEPARATION.

110  
00:06:35,194 --> 00:06:37,230  
COMING UP ON THE 6-MINUTE MARK

111  
00:06:37,230 --> 00:06:38,698  
IN TO THE FLIGHT, THE THIRD

112  
00:06:38,698 --> 00:06:40,233  
STAGE OF THE SOYUZ BOOSTER

113  
00:06:40,233 --> 00:06:44,103

TRAVELING ALMOST 11,000 MILES AN

114

00:06:44,103 --> 00:06:46,839

HOUR, 115 MILES IN ALTITUDE.

115

00:06:46,839 --> 00:06:48,674

472 MILES DOWN RANGE FROM THE

116

00:06:48,674 --> 00:07:06,225

BAIKONUR COSMODROME.

117

00:07:06,225 --> 00:07:08,628

GOOD PERFORMANCE FROM THAT THIRD

118

00:07:08,628 --> 00:07:09,462

STAGE ENGINE.

119

00:07:09,462 --> 00:07:11,464

NO ISSUES REPORTED.

120

00:07:11,464 --> 00:07:13,032

ABOUT TWO MINUTES OF POWERED

121

00:07:13,032 --> 00:07:23,409

FLIGHT REMAINING.

122

00:07:23,409 --> 00:07:24,811

VEHICLE VERY STABLE.

123

00:07:24,811 --> 00:07:41,360

GOOD THIRD STAGE PERFORMANCE.

124

00:07:43,996 --> 00:07:45,064

YAW, PITCH AND ROLL PROGRAM

125

00:07:45,064 --> 00:07:46,966

CONTINUES TO PERFORM NORMALLY

126  
00:07:46,966 --> 00:07:50,036  
FOR THE SOYUZ BOOSTER'S UPPER

127  
00:07:50,036 --> 00:07:55,641  
STAGE AND THE PROGRESS 68 CARGO

128  
00:07:55,641 --> 00:07:56,742  
CRAFT.

129  
00:07:56,742 --> 00:07:59,312  
THE VEHICLE TRAVELING MORE THAN

130  
00:07:59,312 --> 00:08:01,914  
13,000 MILES AN HOUR.

131  
00:08:01,914 --> 00:08:14,393  
124 MILES IN ALTITUDE.

132  
00:08:14,393 --> 00:08:16,295  
ALL PERIMETERS ARE NORMAL.

133  
00:08:16,295 --> 00:08:17,597  
ABOUT ONE MINUTE OF POWERED

134  
00:08:17,597 --> 00:08:32,778  
FLIGHT REMAINING.

135  
00:08:45,291 --> 00:08:46,092  
EIGHT MINUTES 10 SECONDS IN TO

136  
00:08:46,092 --> 00:08:51,163  
THE FLIGHT.

137  
00:08:51,163 --> 00:08:52,732  
ABOUT 30 SECONDS OR SO OF

138  
00:08:52,732 --> 00:08:54,133

POWERED FLIGHT REMAINING.

139

00:08:54,133 --> 00:08:58,905

EVERYTHING IS STABLE AND LOOKING

140

00:08:58,905 --> 00:09:11,017

GOOD.

141

00:09:14,220 --> 00:09:15,588

YAW, PITCH AND ROLL PROGRAM IS

142

00:09:15,588 --> 00:09:16,455

ALL NORMAL AS WE STAND BY FOR

143

00:09:16,455 --> 00:09:18,291

THIRD STAGE SHUTDOWN AND SPACE

144

00:09:18,291 --> 00:09:31,370

CRAFT SEPARATION.

145

00:09:31,370 --> 00:09:33,639

THIRD STAGE SHUTDOWN SPACE CRAFT

146

00:09:33,639 --> 00:09:34,607

SEPARATION REPORTED.

147

00:09:34,607 --> 00:09:37,043

STANDING BY FOR NAVIGATIONAL

148

00:09:37,043 --> 00:09:52,058

ANTENNA AND SOLAR ARRAY DEPLOY.

149

00:09:52,058 --> 00:09:53,893

AND THE REPORT FROM THE RUSSIAN

150

00:09:53,893 --> 00:09:55,394

MISSION CONTROL CENTER IS THAT

151

00:09:55,394 --> 00:09:58,297

ALL NAVIGATIONAL ANTENNAS AND

152

00:09:58,297 --> 00:10:00,900

SOLAR RAYS HAVE BEEN DEPLOYED AS

153

00:10:00,900 --> 00:10:02,902

PLAN, SO A PERFECT ASCENT TO

154

00:10:02,902 --> 00:10:05,204

ORBIT TWO, DAYS BEHIND SCHEDULE,

155

00:10:05,204 --> 00:10:07,773

BUT SAFE AND SOUND NONETHELESS

156

00:10:07,773 --> 00:10:10,042

AS THE PROGRESS 68 HAS ENTERED