

23.10.12 РС МКС ( "ЗАРЯ" "ЗВЕЗДА" "ТЮРС" "ПОКОК" "РАССВЕТ" /СОКЗ ТМА-02М/ПРОГРЕС М-17М /СОКЗ ТМА-02М/)

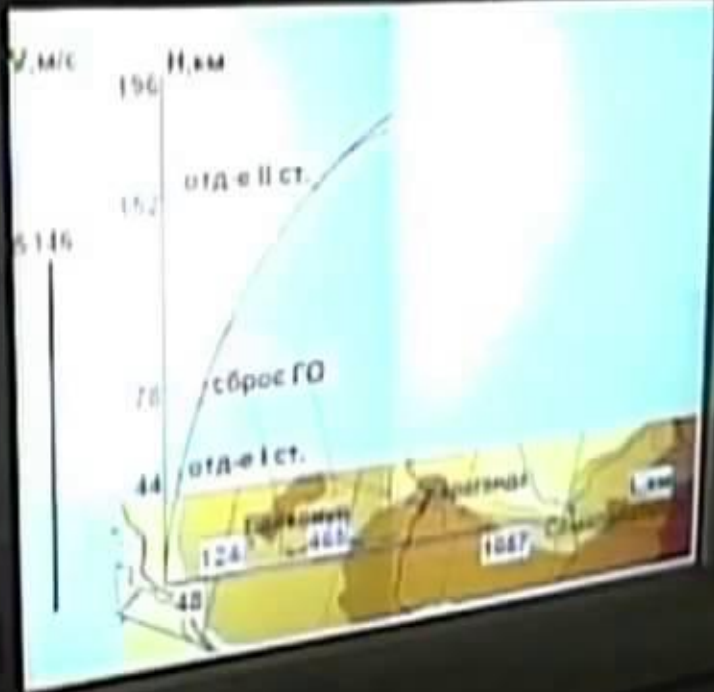
Сутья полета	Сутья полета	время зоны	UTC 10:30:00	время зоны	UTC 12:14:00
сбросов	5205 / 4495 / 4095 / 1094 / 901 / 106 / 91 / 8	время зоны	UTC 10:30:00	время зоны	UTC 12:31:00
сутья полета	исполнение 128 / 8	до конца зоны	08:07:34		
303	взлет 70818 / 73818 / 1	ТОРЖА	16:25:00 - 17:00:00	до конца зоны	08:38:41

ПРОГРЕС М-17М  
 Выходное: 20:00:00  
 Выходное время старта: 10:41:10  
 в стране: 4:00ч

**УК "Прогресс М-17М"**  
**ПРОЦЕДУРА РАБОТЫ**  
 на участке выполнения  
 23 октября 2012 г.

08:00:00 Выход экипажа на работу  
 08:00:00 Проверка оборудования  
 08:00:00 Проверка топлива  
 08:00:00 Проверка систем жизнеобеспечения  
 08:00:00 Проверка систем связи  
 08:00:00 Проверка систем ориентации  
 08:00:00 Проверка систем управления

**Самое интересное видео**  
**Выход экипажа ТК "Прогресс М-17М"**



**ТК "Прогресс М-17М"**

**КАРТОГРАФ**



# Russian Flight Control Room

KOROLEV, RUSSIA



1  
00:00:44,549 --> 00:00:01,429  
is mission control houston just one

2  
00:00:44,559 --> 00:00:54,150  
umbilical or tower separated

3  
00:00:54,160 --> 00:00:59,830  
15 seconds from launch

4  
00:01:01,670 --> 00:01:00,790  
ten

5  
00:01:02,549 --> 00:01:01,680  
nine

6  
00:01:03,430 --> 00:01:02,559  
eight

7  
00:01:04,390 --> 00:01:03,440  
seven

8  
00:01:05,429 --> 00:01:04,400  
six

9  
00:01:06,310 --> 00:01:05,439  
five

10  
00:01:07,270 --> 00:01:06,320  
four

11  
00:01:08,149 --> 00:01:07,280  
three

12  
00:01:11,270 --> 00:01:08,159  
two

13  
00:01:17,109 --> 00:01:11,280

and one turbo pumps now firing at flight

14

00:01:22,469 --> 00:01:19,990

and liftoff liftoff of the 49 progress

15

00:01:23,990 --> 00:01:22,479

re supply ship rocketing towards the

16

00:01:28,469 --> 00:01:24,000

international space station on its

17

00:01:31,749 --> 00:01:30,069

ten seconds into flight booster

18

00:01:38,950 --> 00:01:31,759

ascending into the kazakh sky all

19

00:01:42,389 --> 00:01:40,630

first stage booster is continuing to

20

00:01:43,830 --> 00:01:42,399

function normally according to reports

21

00:01:53,990 --> 00:01:43,840

being fed in from the russian mission

22

00:02:10,630 --> 00:01:55,990

40 seconds into the flight all systems

23

00:02:13,830 --> 00:02:12,229

first stage of the soyuz booster

24

00:02:24,229 --> 00:02:13,840

continuing to fire

25

00:02:29,270 --> 00:02:26,390

70 seconds into the flight

26

00:02:31,270 --> 00:02:29,280

continuing to function nominally

27

00:03:08,949 --> 00:02:31,280

under one minute away from first stage

28

00:03:13,110 --> 00:03:10,710

just under two minutes flight continuing

29

00:03:25,589 --> 00:03:13,120

to function

30

00:03:30,229 --> 00:03:28,470

and the first stage has separated

31

00:03:31,750 --> 00:03:30,239

currently in an altitude of about 30

32

00:03:34,630 --> 00:03:31,760

miles down range from the baikonur

33

00:03:36,869 --> 00:03:34,640

cosmodrome 73 miles

34

00:03:50,550 --> 00:03:36,879

vehicle traveling at just under 4000

35

00:03:54,070 --> 00:03:52,390

second stage thrusters the core of the

36

00:03:57,110 --> 00:03:54,080

soyuz rocket continuing to function

37

00:04:15,990 --> 00:03:58,830

the launch round has been

38

00:04:19,349 --> 00:04:17,749

just passing over three hours since

39

00:04:22,150 --> 00:04:19,359

launch all systems continuing to

40

00:04:25,030 --> 00:04:22,160

function normally

41

00:04:29,510 --> 00:04:25,040

second stage will continue to fire

42

00:04:31,749 --> 00:04:29,520

until just under the five minute mark

43

00:04:59,990 --> 00:04:31,759

vehicle traveling at over 5000 miles an

44

00:05:02,950 --> 00:05:01,430

this is a view inside of the russian

45

00:05:05,110 --> 00:05:02,960

flight control room

46

00:05:06,950 --> 00:05:05,120

in korea just about to cross the four

47

00:05:09,110 --> 00:05:06,960

minute mark since launch

48

00:05:11,510 --> 00:05:09,120

all stages continuing to function the

49

00:05:13,830 --> 00:05:11,520

second stage currently firing it'll fire

50

00:05:15,830 --> 00:05:13,840

until about the four minute 47 second

51  
00:05:21,670 --> 00:05:15,840  
mark where the second stage will then

52  
00:05:27,990 --> 00:05:23,510  
just past the four minute mark all

53  
00:05:32,310 --> 00:05:29,830  
russian controllers reporting the yaw

54  
00:06:08,710 --> 00:05:32,320  
pitch and roll maneuvers all going as

55  
00:06:14,390 --> 00:06:11,749  
so four minute 47 second mark pass

56  
00:06:17,029 --> 00:06:14,400  
second stage has shut down and separated

57  
00:06:18,870 --> 00:06:17,039  
at an altitude of 103 miles down range

58  
00:06:22,550 --> 00:06:18,880  
from the baikonur cosmodrome of about

59  
00:06:50,629 --> 00:06:22,560  
178 miles vehicle traveling over 8 600

60  
00:06:55,350 --> 00:06:52,469  
over five and a half minutes now into

61  
00:06:57,510 --> 00:06:55,360  
powered flight first and second stages

62  
00:06:59,510 --> 00:06:57,520  
performing perfectly the third stage

63  
00:07:01,270 --> 00:06:59,520

currently continuing to carry the

64

00:07:07,189 --> 00:07:01,280

progress spacecraft towards its orbital

65

00:07:11,350 --> 00:07:09,189

controllers and russian mission control

66

00:07:16,390 --> 00:07:11,360

and coryov continuing to confirm that

67

00:07:19,589 --> 00:07:18,309

just passing the six minute mark of

68

00:07:21,110 --> 00:07:19,599

powered flight

69

00:07:21,990 --> 00:07:21,120

yaw pitch and roll continuing to

70

00:07:24,469 --> 00:07:22,000

function

71

00:09:10,870 --> 00:07:24,479

nominally all thrusters performing as

72

00:09:14,550 --> 00:09:12,389

coming up on eight minutes soon of

73

00:09:16,550 --> 00:09:14,560

powered flight

74

00:09:17,590 --> 00:09:16,560

third stage booster is continuing to

75

00:09:19,350 --> 00:09:17,600

fire

76

00:09:20,949 --> 00:09:19,360

as planned

77

00:09:23,590 --> 00:09:20,959

progress on its way towards orbital

78

00:09:26,949 --> 00:09:23,600

insertion the time of launch the station

79

00:09:29,430 --> 00:09:26,959

was about 963 miles ahead of the launch

80

00:09:31,350 --> 00:09:29,440

site of the baikonur cosmodrome

81

00:09:33,150 --> 00:09:31,360

by the time of orbital insertion this

82

00:09:35,590 --> 00:09:33,160

progress will be

83

00:09:37,750 --> 00:09:35,600

2243 miles behind the international

84

00:09:55,750 --> 00:09:37,760

space station as it begins its four

85

00:10:00,870 --> 00:09:57,590

so over eight and a half minutes now

86

00:10:00,880 --> 00:10:10,710

coming up soon on third stage shut down

87

00:10:15,670 --> 00:10:13,030

and third stage shutdown confirmed and

88

00:10:23,430 --> 00:10:15,680

separation

89

00:10:30,829 --> 00:10:25,590

controllers also confirming the progress

90

00:10:35,750 --> 00:10:33,509

deployed navigational antennas as well

91

00:10:37,509 --> 00:10:35,760

have also been deployed

92

00:10:38,710 --> 00:10:37,519

again third stage shutdown and

93

00:10:41,430 --> 00:10:38,720

separation

94

00:10:44,790 --> 00:10:43,190

all external structures navigational

95

00:10:51,430 --> 00:10:44,800

antenna and solar arrays have been

96

00:10:56,470 --> 00:10:53,829

progress continuing to close in

97

00:11:05,590 --> 00:10:56,480

just about 30 meters away all crosshairs

98

00:11:09,590 --> 00:11:07,269

again the team's just a little bit ahead

99

00:11:11,670 --> 00:11:09,600

of schedule here progress 49 was not

100

00:11:14,069 --> 00:11:11,680

supposed to dock for another

101

00:11:16,389 --> 00:11:14,079

nine and a half minutes or so but

102

00:11:18,470 --> 00:11:16,399

russian team's happy with

103

00:11:53,350 --> 00:11:18,480

station keeping decided to press ahead

104

00:11:58,310 --> 00:11:55,910

if you look on page 24 you will need to

105

00:12:00,069 --> 00:11:58,320

verify that the crosshairs are aligned

106

00:12:02,790 --> 00:12:00,079

yes copy

107

00:12:05,509 --> 00:12:02,800

moscow oh we just passed 15 meters

108

00:12:12,230 --> 00:12:08,550

and we see that our antenna has been

109

00:12:12,240 --> 00:12:16,310

just past 15 meters

110

00:12:20,470 --> 00:12:18,310

a little bit of a roll bias

111

00:12:22,389 --> 00:12:20,480

but within allowable limits and the

112

00:12:23,509 --> 00:12:22,399

crosshairs are aligned the range rate

113

00:13:10,230 --> 00:12:23,519

nominal

114

00:13:11,269 --> 00:13:10,240  
aligned still a little biased on the

115

00:13:14,069 --> 00:13:11,279  
roll

116

00:13:20,150 --> 00:13:14,079  
but still within limits

117

00:13:25,430 --> 00:13:23,910  
and uh just aligned along the roll

118

00:13:29,190 --> 00:13:25,440  
axis and uh

119

00:13:30,470 --> 00:13:29,200  
crosshairs are aligned perfectly

120

00:13:32,790 --> 00:13:30,480  
progress

121

00:13:35,030 --> 00:13:32,800  
aligned standing by for confirmation

122

00:13:37,030 --> 00:13:35,040  
soon of contact and capture range rate

123

00:13:50,629 --> 00:13:37,040  
nominal

124

00:14:00,069 --> 00:13:53,990  
all parameters are within limits

125

00:14:13,430 --> 00:14:03,030  
just past three meter mark

126  
00:14:16,949 --> 00:14:15,590  
just about two meters left just one

127  
00:14:26,069 --> 00:14:16,959  
meter

128  
00:14:29,350 --> 00:14:27,350  
contact

129  
00:14:32,949 --> 00:14:29,360  
and capture confirmed

130  
00:14:48,470 --> 00:14:32,959  
contact confirmed at 8 33 a.m central

131  
00:14:55,590 --> 00:14:51,509  
again progress 49 contacting capture

132  
00:14:57,189 --> 00:14:55,600  
confirmed that time 8 33 am central

133  
00:14:58,750 --> 00:14:57,199  
while the station in progress we're

134  
00:15:01,910 --> 00:14:58,760  
flying just about

135  
00:15:04,150 --> 00:15:01,920  
250 statute miles over bogota columbia