
Ф44 СБЛИЖЕНИЕ
Т= 35:54
ПСК
ГСО 1234
Б12
ДУС 1
X-2.002
Y-0.008
Z-0.122
КУРС 1
0.00
-0.34
-0.40
-1.77
-0.09
0.211
-0.15
-0.006
0.031
-0.072
0.052

1
00:00:10,150 --> 00:00:06,150
we see a beautiful view

2
00:00:13,669 --> 00:00:10,160
of the soyuz on its arrival as the

3
00:00:16,790 --> 00:00:14,709
off the

4
00:00:37,430 --> 00:00:16,800
coast of new zealand headed out across

5
00:00:42,950 --> 00:00:40,150
following it a beautiful launch from the

6
00:00:44,790 --> 00:00:42,960
baikonur cosmodrome in kazakhstan

7
00:00:48,150 --> 00:00:44,800
earlier this afternoon

8
00:00:51,110 --> 00:00:48,160
about five hours 26 minutes ago

9
00:00:53,990 --> 00:00:51,120
the soyuz once it reached orbit

10
00:00:56,229 --> 00:00:54,000
performed a series of automated

11
00:00:58,869 --> 00:00:56,239
deployments of its solar arrays and its

12
00:01:01,990 --> 00:00:58,879
antenna that are used for that automated

13
00:01:04,149 --> 00:01:02,000

rendezvous and docking sequence

14
00:01:06,390 --> 00:01:04,159
as you saw those solar rays deployed if

15
00:01:09,590 --> 00:01:06,400
you recall one of the solar rays did not

16
00:01:10,789 --> 00:01:09,600
deploy on the most recent soyuz arrival

17
00:01:14,070 --> 00:01:10,799
which

18
00:01:16,469 --> 00:01:14,080
did not have any impact on the soyuz's

19
00:01:20,310 --> 00:01:18,310
supply but uh

20
00:01:22,149 --> 00:01:20,320
and this and in fact that

21
00:01:25,830 --> 00:01:22,159
solar ray did deploy

22
00:01:29,990 --> 00:01:25,840
um shortly after the soyuz docked to the

23
00:01:34,230 --> 00:01:31,710
so the current soyuz

24
00:01:35,670 --> 00:01:34,240
tma-15m arriving

25
00:01:38,469 --> 00:01:35,680
today

26
00:01:43,190 --> 00:01:40,390
basically will be the fourth of the

27
00:01:45,270 --> 00:01:43,200
series of uh visiting vehicles to the

28
00:01:47,670 --> 00:01:45,280
international space station again

29
00:01:51,429 --> 00:01:47,680
joining two cargo vehicles and another

30
00:02:04,469 --> 00:01:51,439
crew vehicle the soyuz 40 or the tma-14m

31
00:02:09,270 --> 00:02:06,630
the fly around is underway with the

32
00:02:10,309 --> 00:02:09,280
soyuz again in an automated rendezvous

33
00:02:12,470 --> 00:02:10,319
sequence

34
00:02:14,550 --> 00:02:12,480
as you see one of the

35
00:02:17,430 --> 00:02:14,560
um

36
00:02:20,550 --> 00:02:17,440
sections of the huge solar array pairs

37
00:02:25,510 --> 00:02:20,560
that make up four separate pairs of

38
00:02:28,949 --> 00:02:27,110

systems for the international space

39
00:02:32,470 --> 00:02:28,959
station to provide all of the electrical

40
00:02:36,070 --> 00:02:32,480
power to the complex

41
00:02:38,229 --> 00:02:36,080
we have a roll maneuver

42
00:02:40,150 --> 00:02:38,239
and again now up in the upper

43
00:02:42,390 --> 00:02:40,160
left as the role maneuver continues

44
00:02:45,830 --> 00:02:42,400
that's the atv five

45
00:02:48,790 --> 00:02:45,840
and it is docked to the aft end of the

46
00:02:49,910 --> 00:02:48,800
russian segment the service module

47
00:02:51,990 --> 00:02:49,920
that

48
00:02:53,910 --> 00:02:52,000
provided the early

49
00:02:55,990 --> 00:02:53,920
living quarters for

50
00:02:58,070 --> 00:02:56,000
the first expeditions

51
00:03:05,830 --> 00:02:58,080
to the international space station

52
00:03:05,840 --> 00:03:08,869
inaudible

53
00:03:14,149 --> 00:03:11,990
and we get we have reports that the uh

54
00:03:24,949 --> 00:03:14,159
soyuz is in a station keeping mode in

55
00:03:29,670 --> 00:03:28,070
the fgb or the zarya control module you

56
00:03:32,869 --> 00:03:29,680
can see

57
00:03:34,789 --> 00:03:32,879
faintly the retracted solar rays looks

58
00:03:37,030 --> 00:03:34,799
like an accordion

59
00:03:39,670 --> 00:03:37,040
those were retracted long ago as they no

60
00:03:42,070 --> 00:03:39,680
longer were needed as the station's

61
00:03:44,309 --> 00:03:42,080
solar ray panels were added they

62
00:03:45,190 --> 00:03:44,319
provided ample

63
00:03:48,070 --> 00:03:45,200

power

64
00:03:52,229 --> 00:03:48,080
ability capability to the station's

65
00:03:52,239 --> 00:04:12,869
do you have the light on yes it is on

66
00:04:12,879 --> 00:04:21,349
balance

67
00:04:25,510 --> 00:04:23,990
the target is within

68
00:04:29,030 --> 00:04:25,520
one degree

69
00:04:31,110 --> 00:04:29,040
left bottom corner coffee

70
00:04:34,469 --> 00:04:31,120
closing at about two

71
00:04:41,430 --> 00:04:34,479
tenths of a meter per second

72
00:04:47,510 --> 00:04:43,830
the newest member on her first flight

73
00:04:49,430 --> 00:04:47,520
into space is samantha christa ferretti

74
00:04:52,390 --> 00:04:49,440
representing the european space agency

75
00:04:54,830 --> 00:04:52,400
in the italian space agency she

76
00:04:57,270 --> 00:04:54,840
she will become the

77
00:05:05,749 --> 00:04:57,280
216th visitor

78
00:05:05,759 --> 00:05:17,110
range about 30.

79
00:05:22,950 --> 00:05:19,749
the target is on the bottom right within

80
00:05:25,670 --> 00:05:22,960
one degree the antennas have retracted

81
00:05:28,390 --> 00:05:25,680
to make sure that they're out of the way

82
00:05:31,110 --> 00:05:28,400
of the docking sequence and you can see

83
00:05:32,870 --> 00:05:31,120
the docking probe there on the soyuz as

84
00:05:33,990 --> 00:05:32,880
it closes in

85
00:05:37,110 --> 00:05:34,000
now

86
00:05:39,350 --> 00:05:37,120
just under 30 meters from the station a

87
00:05:41,510 --> 00:05:39,360
delicate approach of one tenth of a

88
00:05:45,350 --> 00:05:41,520

meter per second

89
00:05:46,870 --> 00:05:45,360
the bottom center within one degree

90
00:05:48,070 --> 00:05:46,880
because

91
00:06:01,909 --> 00:05:48,080
i consider

92
00:06:31,590 --> 00:06:03,350
the target is

93
00:06:36,710 --> 00:06:33,670
and we're standing by for contact and

94
00:06:36,720 --> 00:06:43,990
everything is fine

95
00:06:51,510 --> 00:06:47,029
within one degree in the center

96
00:06:51,520 --> 00:07:14,230
range to the target about two meters

97
00:07:14,240 --> 00:07:25,749
contact

98
00:07:31,350 --> 00:07:28,670
48 minutes after the hour the soyuz