

format 6 ATV-ISS APPROACH 13:41:58
VM_DEDOCKING PCE DUPL FDRIFT-M
AND ACTIVE2 GSD
FTO DKR
MSU BAD GZ
RDS KRO

YQ	+	ADM	**
Pa	*	ENV	**
RQ	**		KURS
		NO	CONTROL
p	**	p	**
φ	**	φ	**

GMS-ADM3

1
00:00:08,790 --> 00:00:06,389
this is mission control houston standing

2
00:00:10,709 --> 00:00:08,800
by uh for the command to open up the

3
00:00:12,470 --> 00:00:10,719
hooks between the automated transfer

4
00:00:14,709 --> 00:00:12,480
vehicle and the docking port at the aft

5
00:00:16,790 --> 00:00:14,719
end of the zvezda service module in

6
00:00:18,710 --> 00:00:16,800
toulouse france uh the atv flight

7
00:00:20,630 --> 00:00:18,720
director has just informed flight

8
00:00:22,550 --> 00:00:20,640
director tony saccacci here in the

9
00:00:24,710 --> 00:00:22,560
mission control center in houston that

10
00:00:26,790 --> 00:00:24,720
he is go for undocking the final

11
00:00:28,310 --> 00:00:26,800
undocking of an automated transfer

12
00:00:31,029 --> 00:00:28,320
vehicle from the international space

13
00:00:32,709 --> 00:00:31,039

station

14

00:00:59,830 --> 00:00:32,719

specialists are talking about it please

15

00:01:03,270 --> 00:01:01,670

the automated transfer vehicle the

16

00:01:06,230 --> 00:01:03,280

largest

17

00:01:09,990 --> 00:01:06,240

resupply ship in the international fleet

18

00:01:13,109 --> 00:01:10,000

that services the international outpost

19

00:01:16,310 --> 00:01:13,119

the atv at launch time had a mass of 22

20

00:01:18,550 --> 00:01:16,320

and a half tons some seven tons of uh

21

00:01:20,950 --> 00:01:18,560

fuel and supplies of course delivered to

22

00:01:23,350 --> 00:01:20,960

the international space station the

23

00:01:24,230 --> 00:01:23,360

automated transfer vehicle 34 feet in

24

00:01:28,870 --> 00:01:24,240

length

25

00:01:31,190 --> 00:01:28,880

15 feet in diameter a pressurized uh

26

00:01:33,670 --> 00:01:31,200

volume

27

00:01:37,429 --> 00:01:33,680

tv a lens to

28

00:01:43,190 --> 00:01:40,710

it's a solar array spanning some 73 feet

29

00:01:45,510 --> 00:01:43,200

from tip to tip those signature solar

30

00:02:15,270 --> 00:01:45,520

arrays that look like the wings

31

00:02:20,390 --> 00:02:18,070

this engineering view from cameras on

32

00:02:22,070 --> 00:02:20,400

the zvezda service module

33

00:02:23,990 --> 00:02:22,080

as we are standing by for the opening of

34

00:02:25,830 --> 00:02:24,000

the hooks that will initiate the

35

00:02:27,990 --> 00:02:25,840

undocking process

36

00:02:30,869 --> 00:02:28,000

with physical separation expected just a

37

00:02:35,190 --> 00:02:30,879

couple of minutes later

38

00:02:57,509 --> 00:02:38,229

undocking should be reported in english

39

00:02:57,519 --> 00:03:59,110

bat

40

00:03:59,120 --> 00:04:03,830

i miss you

41

00:04:08,309 --> 00:04:05,830

the msu being referred to there is the

42

00:04:10,390 --> 00:04:08,319

monitoring and safing unit

43

00:04:12,229 --> 00:04:10,400

on the automated transfer vehicle but

44

00:04:13,589 --> 00:04:12,239

that does not appear to be a constraint

45

00:04:14,949 --> 00:04:13,599

to undocking

46

00:04:16,789 --> 00:04:14,959

and

47

00:04:18,710 --> 00:04:16,799

if we're switching to step nine we're

48

00:04:20,629 --> 00:04:18,720

performing physical separation

49

00:04:26,550 --> 00:04:20,639

procedures and physical separation now

50

00:04:30,629 --> 00:04:28,469

the automated transfer vehicle leaving

51
00:04:32,230 --> 00:04:30,639
the international space station for the

52
00:04:35,030 --> 00:04:32,240
final time

53
00:04:37,909 --> 00:04:35,040
with the two vehicles flying 257

54
00:04:39,590 --> 00:04:37,919
statute miles over mongolia f8

55
00:04:54,070 --> 00:04:39,600
underscore three

56
00:05:05,590 --> 00:04:56,710
switching to wide angle

57
00:05:09,270 --> 00:05:07,350
and the command has been executed we're

58
00:05:11,029 --> 00:05:09,280
at wide angle

59
00:05:14,310 --> 00:05:11,039
visually we see

60
00:05:17,510 --> 00:05:16,469
and velocity increasing

61
00:05:20,230 --> 00:05:17,520
copy

62
00:05:42,390 --> 00:05:20,240
we still have nsu bed and moscow or we

63
00:05:46,629 --> 00:05:44,310

samantha christopher ready in the zvezda

64

00:05:49,189 --> 00:05:46,639

service module continuing to provide

65

00:05:49,909 --> 00:05:49,199

updates for the flight control team

66

00:05:54,870 --> 00:05:49,919

in

67

00:05:57,510 --> 00:05:54,880

data as well as the atv flight control

68

00:06:00,070 --> 00:05:57,520

team in toulouse but a clean undocking

69

00:06:02,150 --> 00:06:00,080

uh of the georges le mantra

70

00:06:04,550 --> 00:06:02,160

now

71

00:06:06,790 --> 00:06:04,560

on its way to a safe distance away from

72

00:06:09,990 --> 00:06:06,800

the international space station again

73

00:06:10,950 --> 00:06:10,000

undocking occurring at 7 42 a.m central

74

00:06:11,909 --> 00:06:10,960

time

75

00:06:13,670 --> 00:06:11,919

as

76

00:06:16,710 --> 00:06:13,680

the international space station and the