



1
00:00:00,500 --> 00:00:01,500
[Silence]

2
00:00:24,640 --> 00:00:25,260
>> Hi. My name is Scott Kelly and this is the
Cupola of the International Space Station.

3
00:00:29,820 --> 00:00:34,820
The Cupola is a small module that
provides us a vantage point to see outside

4
00:00:36,330 --> 00:00:39,796
of the Space Station, mostly
for robotics operations,

5
00:00:41,230 --> 00:00:41,896
as we have occasionally visiting vehicles
that approach the Space Station that we have

6
00:00:46,230 --> 00:00:51,230
to grapple with the Space Station's
robot arm, or other robotics activities.

7
00:00:52,700 --> 00:00:53,270
But as you can see, it's also a great
vantage point to look at the Earth.

8
00:00:56,930 --> 00:00:57,540
I'm going to take the camera here and show you
the different windows we have in the Cupola.

9
00:01:02,320 --> 00:01:03,720
This is a facing aft.

10
00:01:05,370 --> 00:01:05,806
You can see the rear portion of the back
of the Space Station, the Russian segment,

11
00:01:10,400 --> 00:01:14,866

a Soyuz spacecraft that we use to get to and from the Space Station,

12

00:01:16,550 --> 00:01:19,150

as well as a progress resupply vehicle.

13

00:01:19,540 --> 00:01:23,806

We'll come along here to the starboard side of the Space Station,

14

00:01:24,760 --> 00:01:30,426

where you could see perhaps there's a radiator out there, one of the large solar rays.

15

00:01:32,160 --> 00:01:36,360

To the front of the Cupola, the Japanese experimentation module,

16

00:01:37,020 --> 00:01:41,086

as well as you could see part of the robot arm in that window.

17

00:01:41,810 --> 00:01:47,476

Another part in this window here as well as the special-purpose dexterous manipulator,

18

00:01:48,580 --> 00:01:50,913

or SPDM, that is like a robot hand.

19

00:01:51,460 --> 00:01:56,926

He kind of looks like he's ready to defend the Space Station from foreign invaders.

20

00:01:58,150 --> 00:02:03,350

And over here we have the other side of the Space Station and the solar arrays,

21

00:02:03,470 --> 00:02:06,470

the U.S. laboratory module, and another node.

22

00:02:07,120 --> 00:02:08,023

As you can see, they're off in the distance.

23

00:02:09,150 --> 00:02:13,816

We're approaching some land there,
and I'm not sure exactly what it is.

24

00:02:14,200 --> 00:02:15,466

It might be Africa.

25

00:02:15,650 --> 00:02:21,583

We also have a program up here, a map program
that'll show us where we are over the Earth.

26

00:02:22,740 --> 00:02:26,006

I'm going to hand the camera
back to my camera man

27

00:02:26,220 --> 00:02:31,686

and talk briefly what we also use this
module for when we're not doing the robotics

28

00:02:33,140 --> 00:02:33,436

and we don't have visiting vehicles,
and that is to observe the Earth,

29

00:02:37,510 --> 00:02:41,843

take pictures for scientific reasons
but also for public outreach.

30

00:02:43,390 --> 00:02:44,170

And we have a bunch of different
types of cameras here that we use.

31

00:02:47,010 --> 00:02:47,466

These are some of the smaller lenses.

32

00:02:49,020 --> 00:02:49,440

We also have up to an 800 millimeter lens

that we can take up some close-up shots.

33
00:02:54,000 --> 00:03:00,000
But we take pictures here, both in the day and
also at night and get some very interesting,

34
00:03:02,990 --> 00:03:08,056
I think, photos of our beautiful planet
Earth from this really great addition

35
00:03:09,810 --> 00:03:13,610
to the Space Station, that has
essentially become a window