

EXTRA VEHICULAR ACTIVITY (EVA):

Viktorenko and Serebrov did this first EVA in the evening of 8th Jan. 1990 during orbits 22322, 22323 and 22324, appr. between 1930 and 2230UTC. The EVA lasted 2hrs 56 mins. During the first 2 orbits MIR was still out of range, but during the next one (22324, 2345-2351UTC, interesting radiotraffic of the 2 cosmonauts in open space could be heard.

Serebrov installed and dismantled experiments and equipment, assisted by Viktorenko. All went well and according to plan. They performed the following tasks:

1. The installation on the outersurface of Kvant-2 of 2 startrackers for the orientation of the station on stars and sun. This had to be done for the asymmetrical shape of the station gives extra problems with attitude (orientation) of the shoeshaped complex. The 2 devices are 80 KG.
2. The installation of some platforms (anchors, supports) on the outside of the station to be used during future EVA-s.
3. The collection of the experiment with polymeres. These have been exposed to the influence of outerspace and will be brought back to earth in future.
4. They did not repair the damaged solarbattery of Kvant-2, but said that this will be done during a next EVA.

ILLUMINATION DURING EVA:

During periods of darkness they got light from a lamp attached to the open hatch and from the Moon. The light of the Moon was very useful, but they had to use a greenfilter for that.

EQUIPMENT:

They used the old spacesuits used in the past by other crews. They left the station through the Transition Compartment (P.Kh.O.), so not via the hatch in the Kvant-2. They used the port in the P.Kh.O., which will be used for the future Module-T.

BACK IN THE STATION:

At 2341UTC (orb. 22325) the cosmonauts were back on board, taking of their suits and conserving instruments. During orb. 22326 (0116UT) they continued this work and loaded commands in the computer for the operation of the new startrackers and Gyrodines.

NEXT EVA: This will start on 11 Jan. 1990 in the eveninghours.

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EVA DURING NIGHT FROM 7 TO 8 JAN. 1990:

The MIR cosmonauts will do an EVA (extra vehicular activity) in this night. So during several passes within our range. The EVA will last several hours. During the EVA the cosmonauts will:

1. mend the solarpanel of the Kvant-2 (Module-D),
2. they will collect an experiment from the outside of MIR. (installed by Volkov and Chretien in Dec. 1988). (Long lasting exposure of chemicals in open space), and
3. the installation of some startrackers on the outer surface of Kvant-2. (attitude determination by stars)

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