

29 JUNE 1991

2D EVA (SPACEWALK) OZONY (MIRCREW):

On June 28 1991 at abt. 1902UTC Artsebarskiy and Krikalyov were leaving the station through the hatch of Module-D for the easiest EVA during their flight. TsUP planned this EVA for no longer than 5 hours. The planning for this EVA was:

1. the installation of a TV camera and the deployment of the cable therefor. They also checked the functioning of this camera. The camera has to produce images during the EVA-s of the Ozony in July 1991 (4 EVA-s).
2. they had to retrieve from the outside of the station an experimental structure of mechanical connections. This structure had been installed by the Ozony during their 1st EVA 4 days ago.
3. The installation outside the station of an American experiment (Track). About this (and other) experiment there is an agreement between the U.S.A. and the S.U. The instrument consist of reflecting mirrors with a coating, which can catch and hold nucleae of particles of cosmic radiation for further studies on earth.
4. to study the possibility of the installation of pillar for the installment of an engine for a new attitude change system. The huge station and its configuration (due to the heavy modules) need a hight fuel consumption. The new system has to reduce fuel consumption during attitude changes.

Experts in TsUP were surprised by the easy way in which the cosmonauts worked and the skill they seemed to have built up in such a short period. They even utilised the shadow periods and so they won a lot of time. Already during their EVA they were 1 hr 40 mins ahead of their schedule. So the EVA lasted only 3 hrs. 24 mins. At abt. 2226UTC they already were in the airlock Module-D and thus concluded their EVA. The fact the EVA lasted that short meant that they only once came in our range. This was in the pass in orbit 30700, 2210-2216UTC.

Chris v.d. Berg, NL-9165/A-UK3202