

Nr.: 012 7 NOVEMBER 1989.

COMMUNICATIONS: Passes mostly in nighthours. So if all is well on board and nothing special is on schedule, the cosmonauts sleep. During the last pass in the morning today MIR worked directly with a trackingship (E. or W. of Gibraltar). Possibly the crew of the ship (the Akademik Sergey Korolyov) visited Marseille. If the ship will remain in the same position where the K.V.K. has been until April this year, we can expect more traffic in the first half of passes (from AOS to TCA) and this means more information.

The fact that a trackingship will be used can mean that the plans for the launch of the D-Module (28th Nov.) are still unchanged.

LITTLE PROBLEMS:

- a. On 2 Nov. 1989 cosmonauts had to wait before they could use water. They solved the problem by pumping over water from a tank, Ye.D.V.
- b. The delay of the launch of Module-D means that the cosmonauts have to wait for the resolution of the powerproblems. Now and then they had to economize the use of power by switching off one or more ventilators and a refrigerator. (The previous crew -Volkov, Krikalyov and Polyakov- had a lot of trouble with the powersupply before their return in April this year. Internationally this has been strongly denied, but ultimately admitted by Flightcontrol.)

ORBITCORRECTIONS:

Several times the station has been put to a higher orbit with the engine of Progress-M1. On 2 Nov. ap/per were resp. 401 and 414 KM. The Kepler set of that day could still be used for correct predictions on Nov. 7th.

EPOCH: 89,306.3365813

Orbit nr.: 21271

MA: 97.72229

MM: 15.55607235

Decay: 0.00058707

INCL: 51.6251

ECC: 0.0006166

ARG. PER: 262.2505

RAAN: 30.1226

Smax: 6778.48237