

FURTHER ON SOVIET-VIETNAMESE SPACEFLIGHT

Brezhnev-Le Duan Congratulations

LD301409 Moscow PRAVDA in Russian 26 Jul 80 p 1

[Text of Brezhnev and Le Duan "Cordial Greetings to Cosmonauts Popov, Ryumin, Gorbatko and Pham Tuan, International Crew of the Salyut 6-Soyuz 37 orbital Research Complex"]

[Text] Dear comrades!

We cordially congratulate the Soviet-Vietnamese crew on the successful start of the flight on board the Salyut 6-Soyuz 36-Soyuz 37 orbital research complex.

This flight is the result of the many years of friendship and fruitful cooperation between the Soviet Union and the Socialist Republic of Vietnam. We are confident that it will help to further consolidate the unity of the Soviet and Vietnamese peoples. The fraternal ties between the two parties and countries will continue to expand and deepen, as noted at the recent Moscow meeting.

By your work in near-earth orbit you are making a worthy contribution to implementing the Intercosmos scientific program, which the socialist community countries are implementing in the interests of all mankind. By their joint spaceflights the socialist countries are cogently demonstrating that they are capable of resolving large-scale tasks in exploring and opening up outer space.

The Olympic flame is now burning in Moscow. The 22d Olympics are proceeding under the sign of the desire of the world's peoples for peace, international solidarity and friendship. These lofty aims are also served by your spaceflight.

We are firmly convinced that you, dear Comrades Popov, Ryumin, Gorbatko and Pham Tuan, will completely fulfill the flight program and will justify our lofty trust.

We wish you a successful flight and a safe return to the beloved earth.

[Signed] L. Brezhnev, Le Duan

Preparation for Return

IE301144 Moscow TASS in English 1119 GMT 30 Jul 80

[Text] Moscow, July 30, TASS-- A TASS special correspondent reports from the Flight Control Centre:

The international crew of the orbital scientific research complex Salyut-6--Soyuz-36--Soyuz-37 is completing the program of joint Soviet-Vietnamese research and experiments.

Today, Leonid Popov, Valery Ryumin, Viktor Gorbatko and Pham Tuan are busy carrying out the final experiments of the scientific program. They will carry out a number of experiments such as determining the composition of the gas medium and microflora in the premises of the station, filming, and physical exercise.

The program includes preparing the Soyuz-36 ship for a return to earth. The cosmonauts are checking the onboard systems of the craft, testing its engine. Viktor Gorbatko and Pham Tuan carry over into the landing apparatus of the Soyuz-36 craft containers with the results of research experiments, cassettes with photographs and films, capsules with substances obtained in weightlessness on the technological installations Splay and Kirstall, and the biological objects.

The systems on board the Salyut-6 station and of the spacecraft Soyuz-36 and Soyuz-37 are functioning normally. All the cosmonauts feel well.

Details of Halong Experiment

LD302213 Moscow TASS International Service in Russian 1152 GMT 30 Jul 80

[Text] Moscow, 30 July, TASS--A constituent part of the program on space materiology is the Soviet-Vietnamese Halong experiment which is being carried out successfully on board the Salyut-Soyuz orbital complex.

The very name of the experiment points to the fact that Vietnamese took part in its preparation. International crews have already fulfilled programs named in honor of memorial places and symbolic memorials of the socialist countries. There have been the Czechoslovak Morava, the Polish Sirena, and German Berlolina experiments.

Now the Halong experiment, named after a very beautiful bay in Vietnam, which connoisseurs consider to be almost the most beautiful bay in the world, is being carried out in space. Actually, the Halong is not one experiment but several.

Halong-1, for instance, is devoted to growing crystals of the "bismuth-tellurium-selenium" system in conditions of weightlessness. The aim of this experiment is to investigate how conditions of crystallization affect the structure and physical properties of alloys.

The aim of the Halong-2 and Halong-3 experiments is to obtain cylindrical monocrystals with a given structure. During another two experiments under the conventional numbers of "four" and "five," crystals of gallium phosphide with varying trace element contents are being grown.

In the view of specialists, these experiments in space will be of great importance for obtaining fundamental scientific results and also for practical materiology.

The Halong experiments have been prepared by Soviet and Vietnamese specialists and also by their colleagues from the GDR.