



SPACE TECHNOLOGY LABORATORIES, INC.

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FOR IMMEDIATE RELEASE

ENVIRONMENTAL TESTING

Prior to launch Explorer VI underwent a myriad of rigorous environmental tests simulating the variety of temperature and atmospheric conditions it is expected to encounter.

Components were exposed to temperature ranges from 140 F. to minus 10 F. and an altitude "soak" period of 200 hours to show the time effects of temperatures and altitude on electrical parts such as batteries and transistors.

In addition, every part was tested by a shake device which produces vibrations from several cycles to several thousand per second.

Solar paddles which are supplying power to operate the satellite's complex instrumentation underwent long exposure to the sun before final design was settled upon. Now theoretically, they could last for years and will service Explorer VI as long as it is in orbit.

While the experiments contained aboard Explorer VI are more delicate and sophisticated than those in previous satellites, results of environmental testing indicate assured longevity and endurance under all expected physical extremes.

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