

# New U. S. Satellite Charts Weather, Televises Data From 450 Miles Away

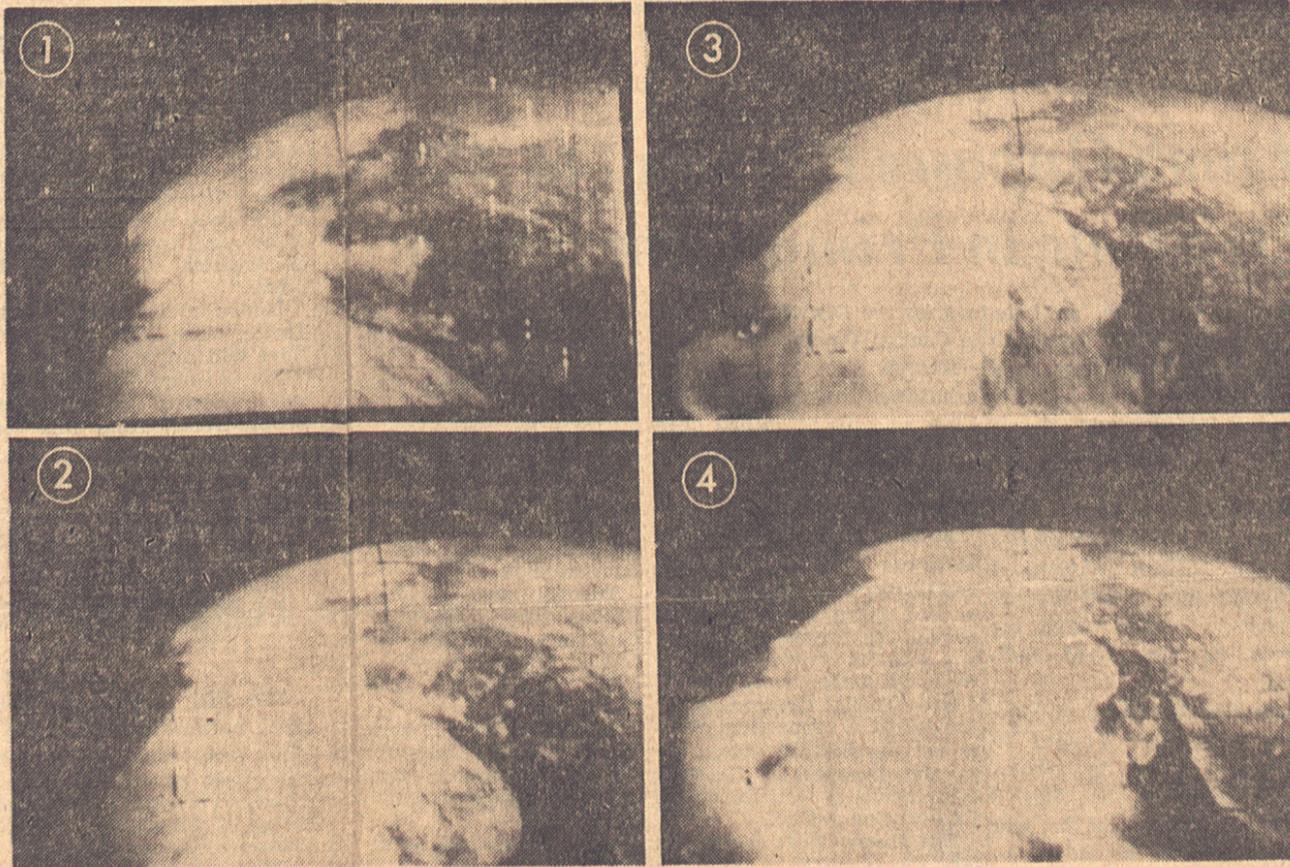
## 100-Foot Balloon Is Launched

Associated Press

The Space Agency launched last night a 100-foot inflatable sphere visible for hundreds of miles.

The launching, at 6:55 p. m. from Wallops Island, Va., was successful, as were three earlier launchings in a series aimed at developing a communications relay system.

The test sphere is a forerunner of a 100-foot balloon-type satellite which the National Aeronautics and Space Agency plans to place in orbit around the earth later this year.



National Aeronautics and Space Administration Photo

The sequence of photos reproduced above was taken by the satellite, Tiros I, during its second orbit of the earth at about 10:15 a. m. yesterday, from a point several hundred miles east of the Atlantic Coast and from an altitude of about 450 miles. The photos were sent by tele-

vision to receivers of the Army Signal Corps at Ft. Monmouth, N. J., and then transmitted to Washington. The white area is a cloud mass over northeastern United States and Canada. The dark area at bottom right is the Gulf of St. Lawrence. Other satellite pictures, Page A6.

## Ike Calls It Marvelous New Step

### Pictures of Earth Shown President Within 5 Hours

By Edward Gamarekian  
Staff Reporter

President Eisenhower looked at the first pictures taken of the earth yesterday by the new United States weather observation satellite Tiros I and called the whole thing "a marvelous development."

The four pictures he saw showed the cloud cover over the Gulf of St. Lawrence area and part of the ground below.

They were taken by one of the two TV cameras in the 270-pound pillbox-shaped satellite, from a height of about 450 miles, stored on magnetic tape, and then radioed to earth when Tiros I passed over

*Tiros I takes place as third heaviest satellite in orbit. Page A6.*

*Premier Khrushchev and President de Gaulle continue talks in amiable vein after France's second atomic test. Page A4.*

the receiving station at the Army's Ft. Monmouth installation a short time later.

The pictures were then developed and printed and rushed by plane and car to the National Aeronautics and Space Agency, then to the White House. They were in Mr. Eisenhower's hands only 5 hours after they were taken.

T. Keith Glennan, head of NASA, handed the pictures to the President and said he was "pleased" and "happy" with the results.

The letters that make up the name Tiros come from the full title—Television Infra-Red Observation Satellite—although the infra-red sensors that were

See TIROS-A6, Col. 2

"Let Us Know If You See Any Silver Linings"



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# **National Oceanic and Atmospheric Administration TIROS Satellites and Satellite Meteorology**

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