

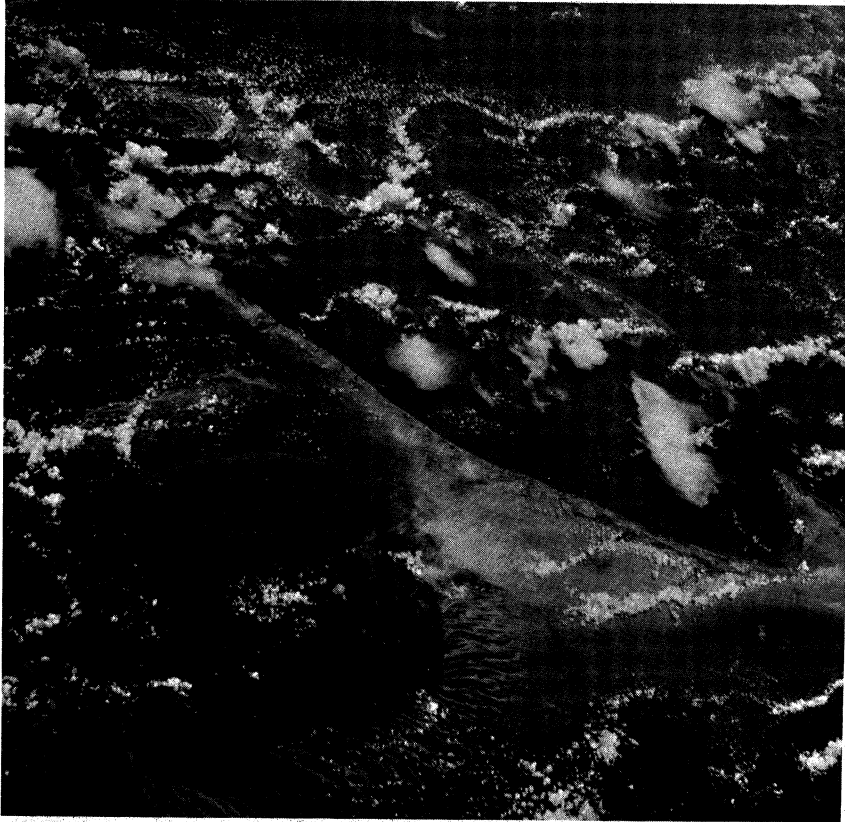


FIGURE 12

This is the zodiacal light (fig. 19), and what it is, is a band of particles that are moving around the Sun and the Earth. It is not completely understood where they came from or where they are going. They seem to be in constant supply, whereas their weight and such, would indicate that they should be going away. One of the theories is that they come from the asteroid belt or the comets and a measurement, such as this, when analyzed will help to determine more what they are made of. You can see the zodiacal light on the ground occasionally, if you go up to a quiet spot away from city lights, and so forth. This is one of the few pictures that exists, as such.

The air glow layer is also shown here. The air glow is about 100 kilometers above the Earth, very hard to see from the ground. There are layers of oxygen and sodium, and it is not completely understood where it comes from. They think it may have a relation to our weather. For example, they have found differences in New Mexico from sounding rockets fired at different times of the year.

Our particular experiment was trying to make pictures worldwide to see how it varied around the world.