

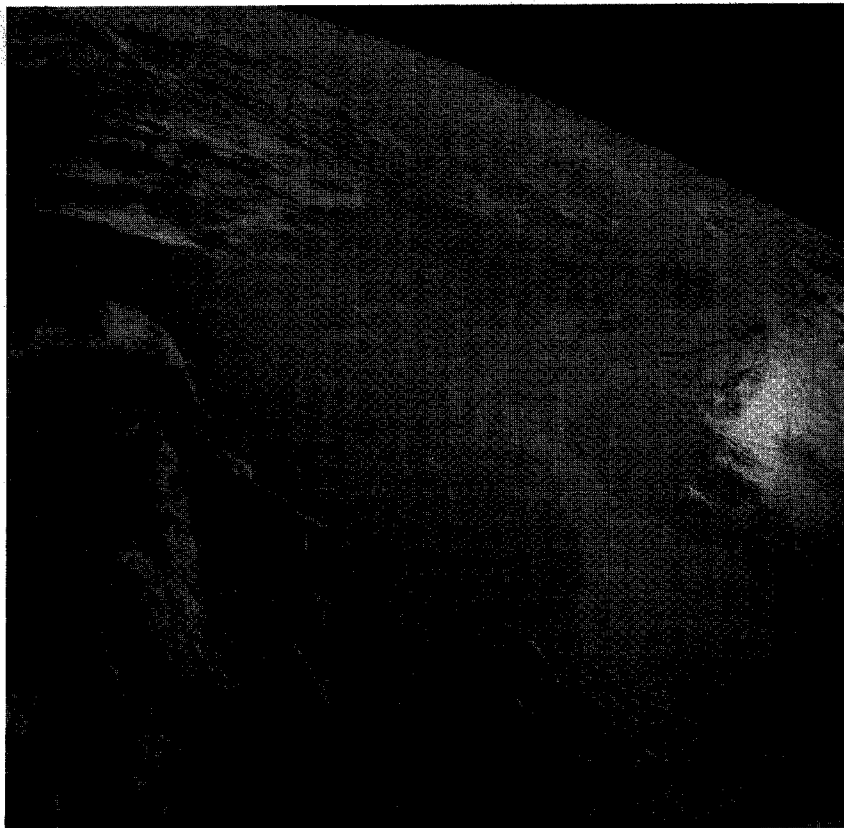


FIGURE 9

water welling up along the coast is one possibility. This might be caused by northwest winds driving the water to the southwest with the coriolis force tending to deflect the surface water away from land.

Here we see a cloud pattern off the coast of California (fig. 15), and this, specifically, is Guadalupe Island, which rises some 3,000 or 4,000 feet high. As you can see, it is affecting the cloud patterns and, particularly, you see a vortex forming. Anywhere the meteorologists see a vortex forming, they are particularly interested because vortexes are associated with hurricanes. That type of photograph is one that the astronauts will see and selectively photograph from the altitudes which we are working at. It would not be seen with the higher flying Tiros and other weather satellites.

The next photograph is a bit different. During some of the Mercury missions, questions were raised about what an astronaut could see from space. An attempt was made to quantitatively predict and, during flight, to determine what he should and could see and to compare the two.