

GOES VIEW OF VOLCANO ERUPTION

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In mid April 1979, the volcano Soufriere on the island of St. Vincent in the Lesser Antilles erupted.

GOES East viewed the volcanic plum on 17 and 18 April.

Figure 1 shows the location of St. Vincent as well as visual and infrared views of the volcanic plume. Because of the height of the plume the low sun angle provided some illumination of the volcanic cloud at 2100Z on the 17th.

Figure 2 shows the plume on the infrared photo on the 17th and 18th of April. The cloud white plume extended well above the tropopause which was above 15,300 meters.

The influence of the upper-level winds on the volcanic plume is shown on the 0200Z photo.

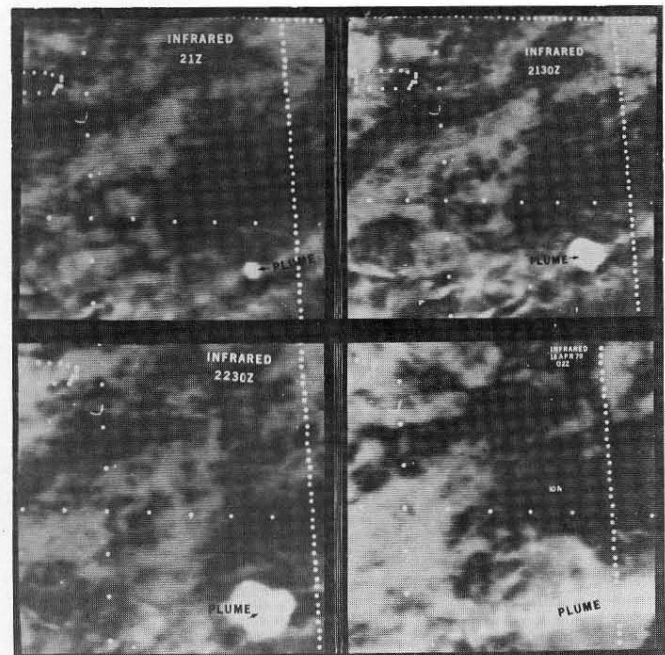
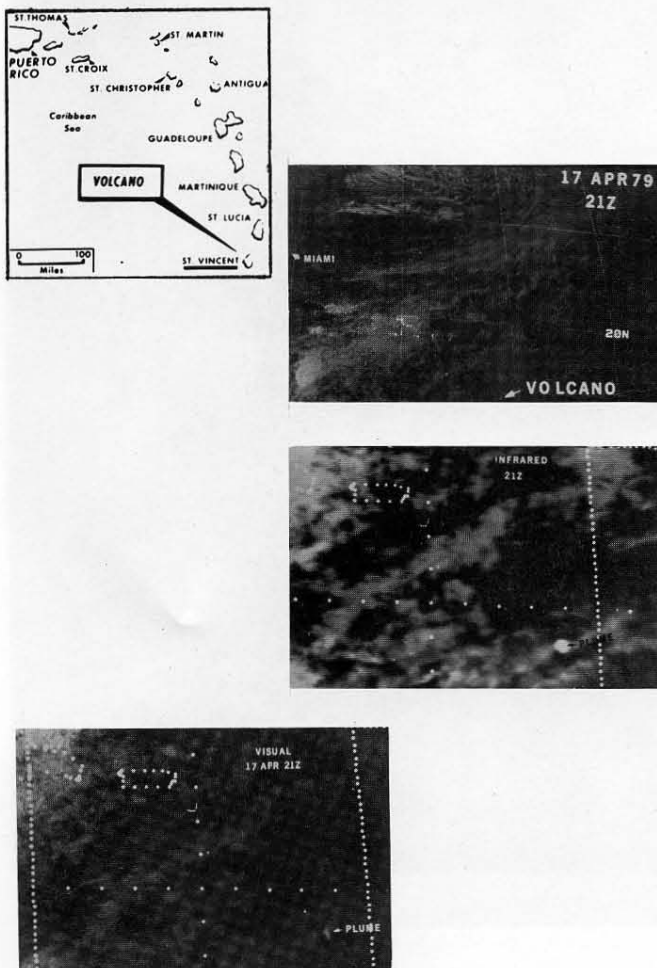


Figure 1. GOES-EAST Visual /IR photographs on 17 April 1979 at 2100Z along with map of volcano eruption location.

Figure 2. GOES-EAST night infrared photographs on 17 and on 18 April 1979.