PRE-ANALYZED SATELLITE PICTURE

In preparing for the morning map discussion, the briefer was reading the National Environmental Satellite Service (NESS) satellite interpretation message and labeling the key features on the two-mile resolution infrared satellite picture. All was going well until the briefer tried to label a vorticity maximum and associated short-wave trough near 47° north latitude and 164° west longitude (X, Figure 1). About five degrees ahead of the trough was a comma shaped cloud mass produced in the area of upward vertical motion induced by the area of Positive Vorticity Advection (PVA). Between the PVA comma and the short-wave trough there is another cloud mass in the shape of an "L" with a dot to the right of it (see Figure 2 for an enlargement of this area). It appeared as if Mother Nature was trying to tell us that the trough was further ahead than the interpretation message had it. The briefer chose to go along with the location suggested in the NESS message, but he had to commend Mother Nature on her effort to analyze the picture for us.

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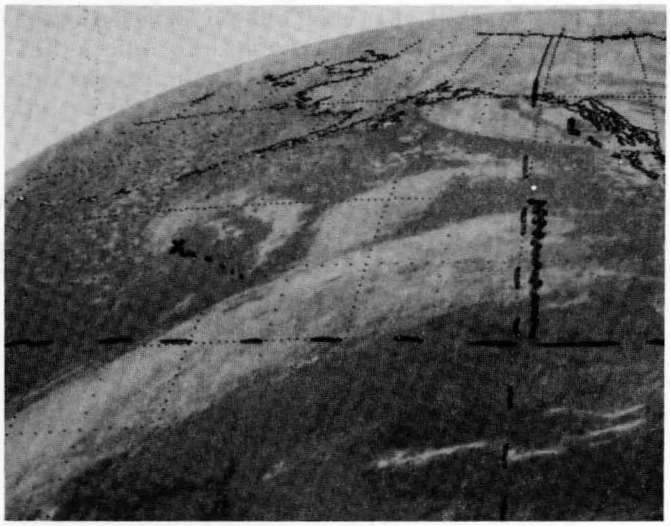

Figure 1 Two-Mile Resolution Infrared Satellite Picture for 1145 GMT November 14, 1977.

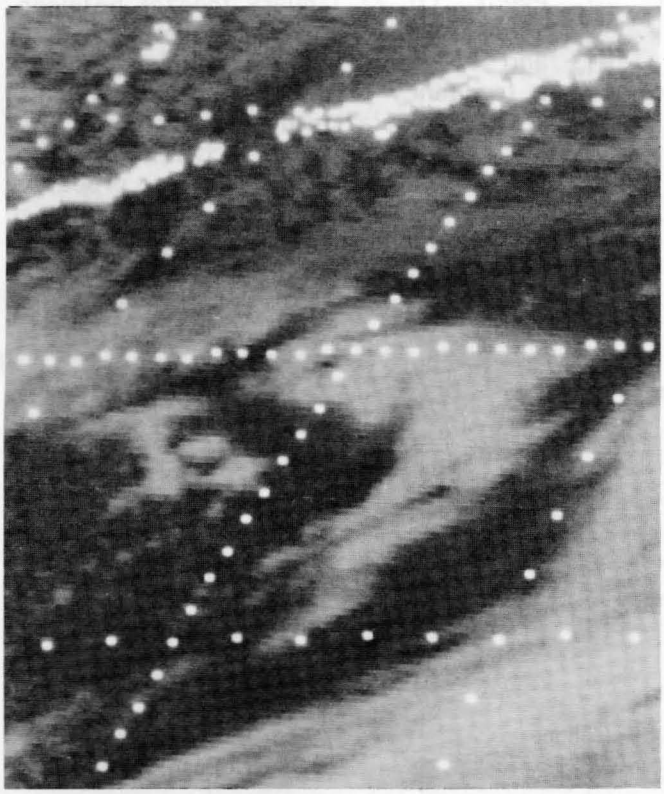

Figure 2 Enlarged Portion of Figure 2.