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Progress Report May-July 1974
NAS 9-13311

Skylab imagery of Central American volcanoes

September 1974

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Addendum

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AMERICAN VOLCANOES Progress Report, May
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\$4.00

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Unclas

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Summary Status

During the current period all of the photography over the test area taken for this project was received (see Addendum). No predawn thermal imagery over the test area was taken or received. Some taped digital data from the non-thermal MSS imagery was requested. One set of predawn thermal imagery over another volcanic area (Vesuvius) was received.

Recommendations

We will not complete a final report by July and will request a 9-12 month extension.

Expected Accomplishments and Summary Outlook

Examination of all imagery has allowed identification of three excellent cloud-free frame sequences of MSS imagery over our test area. We have selected two volcanic areas for geologic photointerpretation. Both are areas where we have considerable field experience. The Vesuvius thermal imagery appears to show no anomaly, based on first screening. Tape imagery analysis of one test area is being processed now.

Significant Results

None during this quarter.

Travel Summary

None during this quarter.

Addendum

Skylab Imagery for NAS 9-13311

Skylab Imagery for NAS-9-13311

I. Thermal IR. (all S14) at night.

A. Italy: (Vesuvius)

17 Dec. '73, Track 58; pass 67

II. Other imagery:

| <u>SL</u> | <u>Date</u> | <u>Track</u> | |
|-----------|-------------|--------------|----------------------------|
| 3 | 11 Aug. | 6 | 190A, 190B, 191 |
| 4 | 29 Nov. | 6 | 191, (hand held of 272565) |
| 4 | 4 Dec. | 6 | 190B, 191 (nadir), 192 |
| 4 | 1 Feb. | 6 | 190A, 190B, 191(?), 192 |
| 2 | 14 June | 20 | 190A, 192 |
| 4 | 5 Dec. | 20 | 190A, 190B, 191, 192 |
| 4 | 9 Jan. | 28 | 190A, 191, 192 |

Note: Also at least 4 special hand held photos taken out of the window on SL3 and SL4. None of these have been received.