

ILLEGIB

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PHOTOGRAPHIC INTERPRETATION REPORT

SA-1 SAM SITES, MOSCOW, USSR
NORTHEAST QUADRANT



CIA



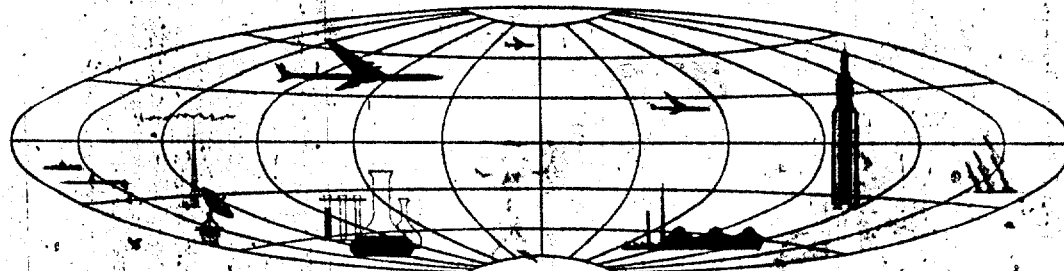
DIA

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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



~~TOP SECRET~~

GROUP 1
Excluded from automatic
downgrading and declassification

TOP SECRET RUFF

NPIC/R-64/64

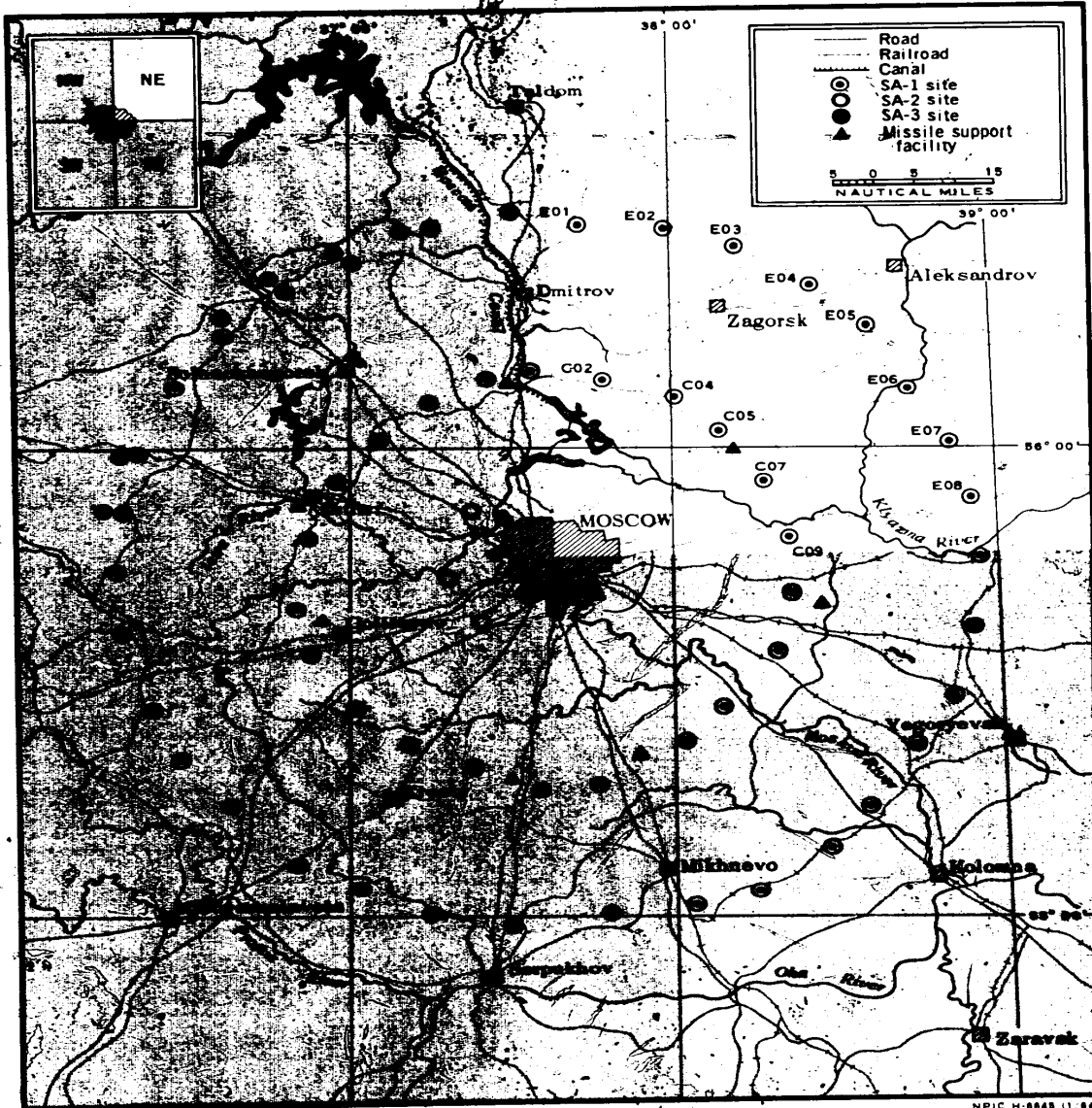


FIGURE 1. LOCATION MAP.

NPIC H-8848 (1-64)

TOP SECRET RUFF

TOP SECRET RUFF

NPIC/R-64/64

MOSCOW SAM SITE C02-1

25X1D

25X1A

BE N [REDACTED]
NPIC Target No: 0154-97
Coords: 56-10N 37-49E
Map Ref: DIA Sheet 0154-23HL (S)
First KEYHOLE coverage: [REDACTED]

25X1D
25X1D

First clear KEYHOLE coverage was in [REDACTED]. The site appeared complete on photography of [REDACTED] but haze and snow cover precluded detailed analysis. There was an area of unidentified activity (Figure 2, Item 1) evident in [REDACTED] and some further work had been done there by [REDACTED]. No other changes were apparent at the site between [REDACTED] and [REDACTED].

25X1D
25X1D
25X1D

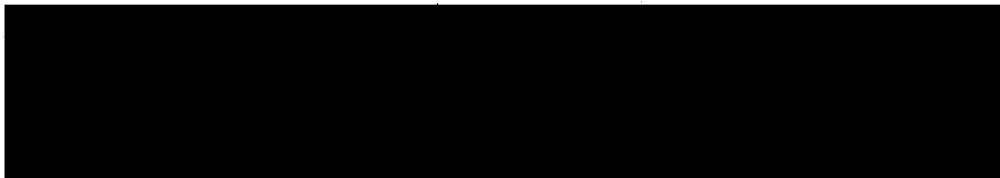
25X1D

Status then: undetermined because of haze and darkness.

25X1D

25X1D

KEYHOLE PHOTOGRAPHIC COVERAGE (all TOP SECRET RUFF)



TOP SECRET RUFF

TOP SECRET RUFF

NPIC/R-64/64



FIGURE 2. MOSCOW SAM SITE C02-1, [REDACTED]

NPIC R-64/64 (1/64)

25X1D

- 2 -

TOP SECRET RUFF

TOP SECRET RUFF

NPIC/R-64/64

MOSCOW SAM SITE C04-1

25X1A

NPIC Target No: 0154-97A

Coords: 56-06N 38-01E

Map Ref: DIA Sheet 0154-23HL (S) 25X1D

First KEYHOLE coverage: 25X1D

25X1D There has been no apparent change at this site since the first clear KEYHOLE coverage,

25X1D Although a break in the film cuts off the northwest corner of the site on 25X1D

25X1D

Status then: undetermined because of haze and darkness.

25X1D photography (Figure 3), there was no construction activity at the site on 25X1D

25X1D

25X1D

KEYHOLE PHOTOGRAPHIC COVERAGE (all TOP SECRET RUFF)



1000 0 1000 2000 3000
FEET (APPROXIMATE)

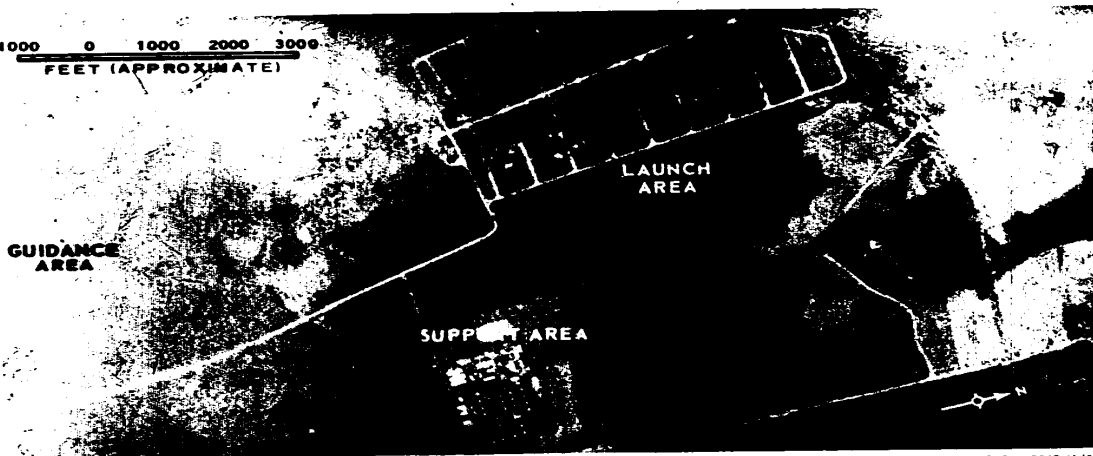


FIGURE 3. MOSCOW SAM SITE C04

25X1D

NPIC H-6667 (1/64)

TOP SECRET RUFF

TOP SECRET RUFF

NPIC/R-64/64

MOSCOW SAM SITE C05-1

25X1A

[REDACTED]
NPIC Target No: 0154-97B
Coords: 56-01N 38-10E
Map Ref: DIA Sheet 0154-23HL (S)
First KEYHOLE coverage: [REDACTED]

The first clear coverage of the site on
KEYHOLE photography was in [REDACTED] 25X1D
which time the site was complete and included
a clearing near the guidance area (Figure 4,
Item 1). There had been no apparent change in
the site by [REDACTED] 25X1D

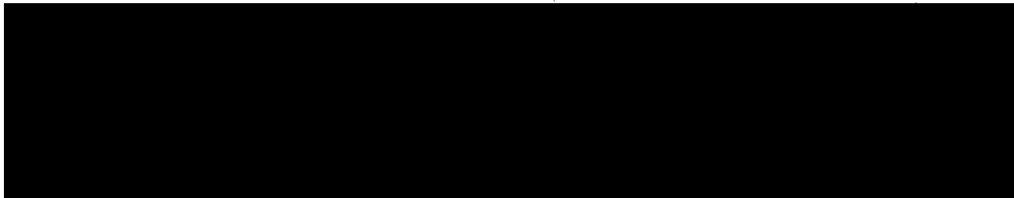
25X1D

25X1D

Status then: undetermined because of haze
and darkness.

25X1D

KEYHOLE PHOTOGRAPHIC COVERAGE (all TOP SECRET RUFF)



TOP SECRET RUFF

TOP SECRET RUFF

NPIC/R-64/64



FIGURE 4. MOSCOW SAM SITE C05-1

25X1D

TOP SECRET RUFF

MOSCOW SAM SITE C07-1

25X1A

[REDACTED]

Status then: undetermined because of haze and darkness.

NPIC Target No: 0167-121

Coords: 55-55N 38-20E

25X1D

Map Ref: DIA Sheet 0167-5HL (S)

25X1D

By [REDACTED] Figure 5) there had been no apparent change in this site since the first clear KEYHOLE coverage [REDACTED]

25X1D

First KEYHOLE coverage: [REDACTED]

25X1D

25X1D

KEYHOLE PHOTOGRAPHIC COVERAGE (all TOP SECRET RUFF)

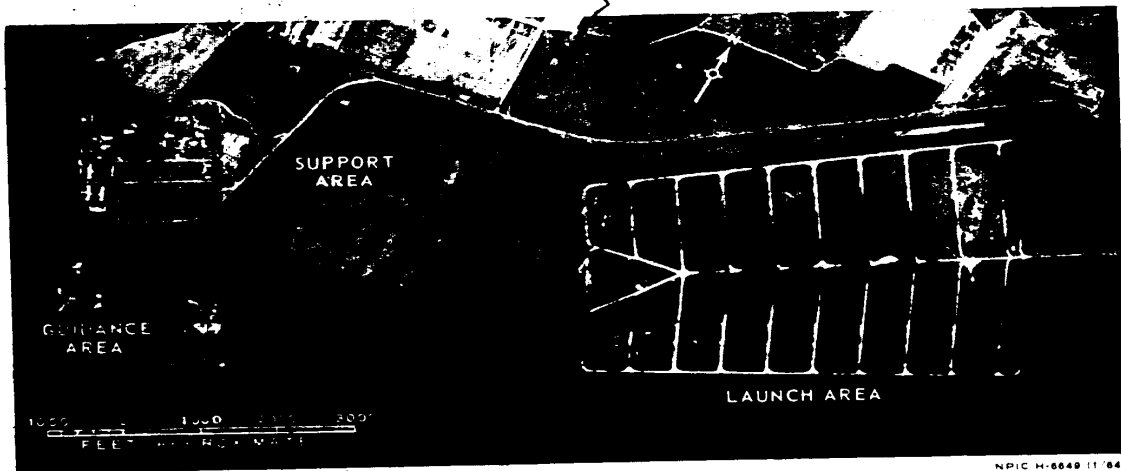


FIGURE 5. MOSCOW SAM SITE C07-1 [REDACTED]

25X1D

TOP SECRET RUFF

NPIC/R-64/64

25X1A

MOSCOW SAM SITE C09-1

NPIC Target No: 0167-121A

Coords: 55-47N 38-21E

Map Ref: DIA Sheet 0167-5HL (S)

First KEYHOLE coverage

Status then: undetermined because of haze and darkness.

There has been no apparent change in this site since the first clear KEYHOLE coverage. Cleared areas (Figure 6, Items 1 and 2) were present at that time.

25X1D

25X1D

KEYHOLE PHOTOGRAPHIC COVERAGE (all TOP SECRET RUFF)

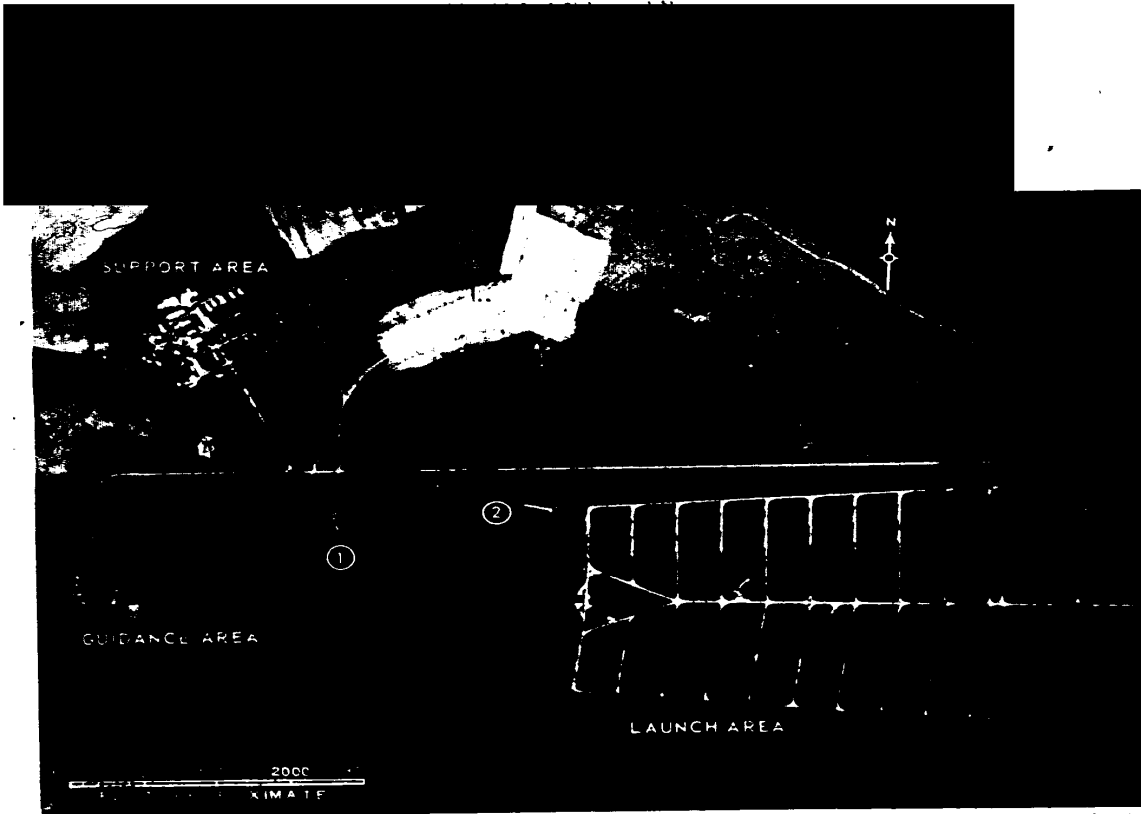


FIGURE 6. MOSCOW SAM SITE C09-

25X1D

TOP SECRET RUFF

25X1A

MOSCOW SAM SITE E01-1

NPIC Target No: 0154-98

Coords: 56-38N 37-41E

Map Ref: DIA Sheet 0154-23HL (S) 25X1D

First KEYHOLE coverage: [REDACTED]

Status then: appeared complete, though darkness and haze precluded detailed analysis.

There had been no apparent change in the site through [REDACTED] figure 7). 25X1D

25X1D

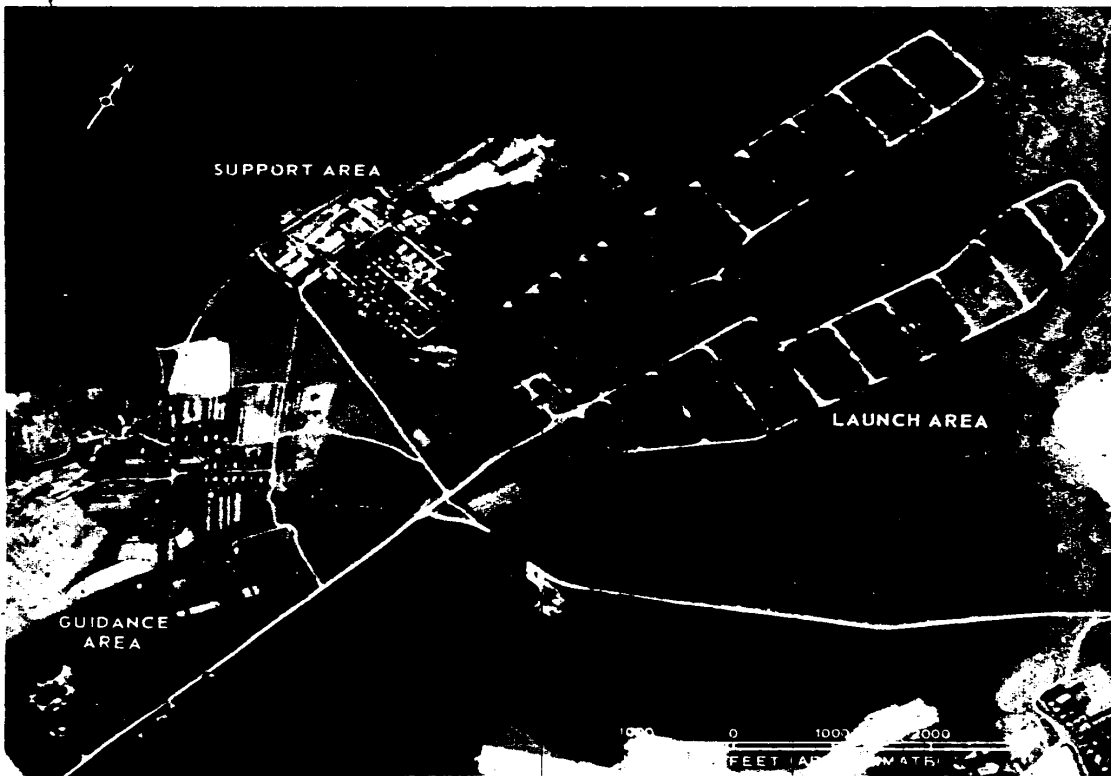


FIGURE 7. MOSCOW SAM SITE E01-1 [REDACTED]

25X1D

TOP SECRET RUFF

NPIC/R-64/64

25X1D

KEYHOLE PHOTOGRAPHIC COVERAGE (all TOP SECRET RUFF)



TOP SECRET RUFF

MOSCOW SAM SITE E02-1

25X1A

[REDACTED]

NPIC Target No: 0154-98A

Coords: 56-28N 37-57E

Map Ref: DIA Sheet 0154-23HL-(S)

Status then: undetermined because of haze and darkness.

25X1D 25X1D

Between the first clear KEYHOLE coverage of the site, [REDACTED] and [REDACTED] (Figure 8) there had been no apparent change in the site.

25X1D

First KEYHOLE coverage: [REDACTED]

[REDACTED]

25X1D

25X1D

KEYHOLE PHOTOGRAPHIC COVERAGE (all TOP SECRET RUFF)

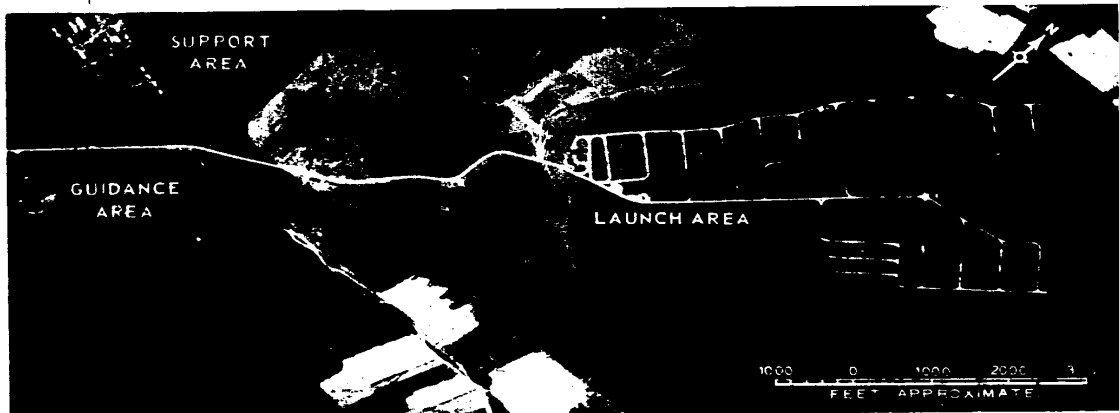
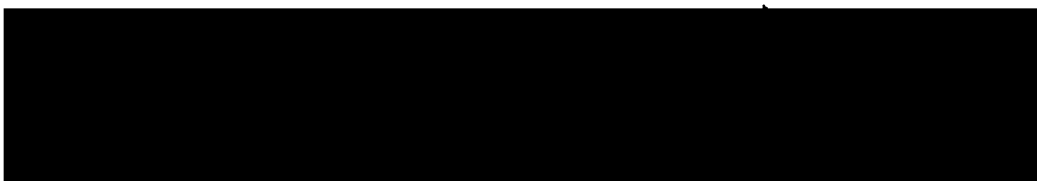


FIGURE 8. MOSCOW SAM SITE E02-1 [REDACTED] 25X1D

NPIC H-6652 (1/64)

MOSCOW SAM SITE E03-1

25X1A

B [REDACTED]
NPIC Target No: 0154-98B

Coords: 56-22N, 38-11E

Map Ref: DIA Sheet 0154-23HL (S)

First KEYHOLE coverage: [REDACTED]

Status then: site appeared complete, though haze and darkness precluded detailed analysis.

Through [REDACTED] (Figure 9) there had been no apparent change since the first clear KEYHOLE coverage [REDACTED]

25X1D

25X1D

25X1D

25X1D

25X1D

KEYHOLE PHOTOGRAPHIC COVERAGE (all TOP SECRET RUFF)

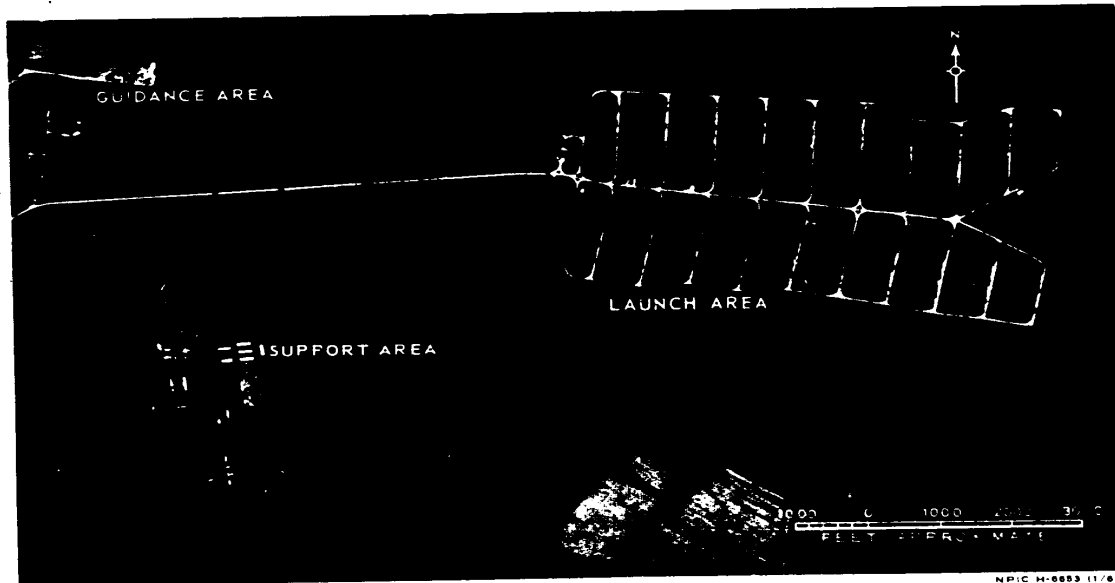
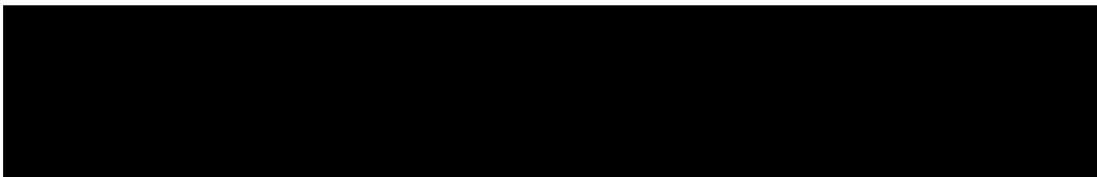


FIGURE 9. MOSCOW SAM SITE E03-1, 2 [REDACTED]

25X1D

MOSCOW SAM SITE E04-1

25X1A

NPIC Target No: 0154-98C

Coords: 56-29N 38-23E

Map Ref: DIA Sheet 0154-23HL (S)

25X1D

25X1D First KEYHOLE coverage:

Status then: undetermined because of haze and darkness.

25X1D First clear KEYHOLE coverage:

at which time the site appeared complete.

The guidance area included three clearings containing small buildings (Figure 10, Items 1-3). The guidance area has had no apparent change since. Photography of [redacted] showed several unidentified objects (Item 4) in the launch area, and these have not changed since. Between [redacted]

25X1D

25X1D

25X1D

two generally circular areas of disturbed earth (Item 5) had been constructed in the launch area.

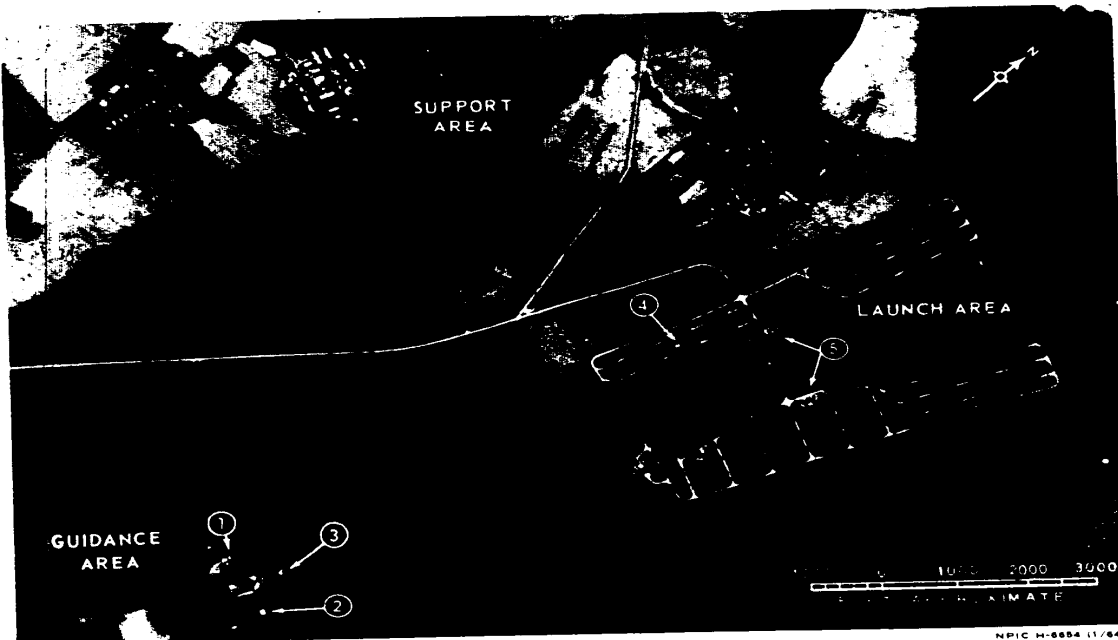


FIGURE 10. MOSCOW SAM SITE E04-1, 25

25X1D

TOP SECRET RUFF

NPIC/R-64/64

25X1D

KEYHOLE PHOTOGRAPHIC COVERAGE (all TOP SECRET RUFF)



TOP SECRET RUFF

25X1A

MOSCOW SAM SITE E05-1

25X1D

NPIC Target No: 0154-98D

Coords: 56-14N 38-35E

Map Ref: DIA Sheet 0154-23HL (S)

First KEYHOLE coverage:

25X1D

Status then: undetermined because of haze and darkness.

25X1D

First clear KEYHOLE coverage was in when the site appeared complete. The following changes from a standard SA-1 site have taken place:

Support Area (Figure 11): Two buildings that are each 195 by 40 feet and about 35 feet high, and the foundation for a third of similar size were seen in the southeast corner of the support area in. The third building

25X1D

appeared complete in which had been completed prior

25X1D

Probable Borrow Pit: A clearing first appeared in and appeared larger in diameter on photography of

25X1D

Access Road: A completed access road parallel to the northern side of the launch area was first visible on photography of. No apparent change since.

25X1D

Possible AMM-Associated Facility: From quality of photography precluded detailed interpretation, but in following construction was evident:

25X1D

25X1D

Item 1: A rectangular building, 225 by 125 feet and approximately 30 feet high appeared complete. It had an unidentified circular object on its roof.

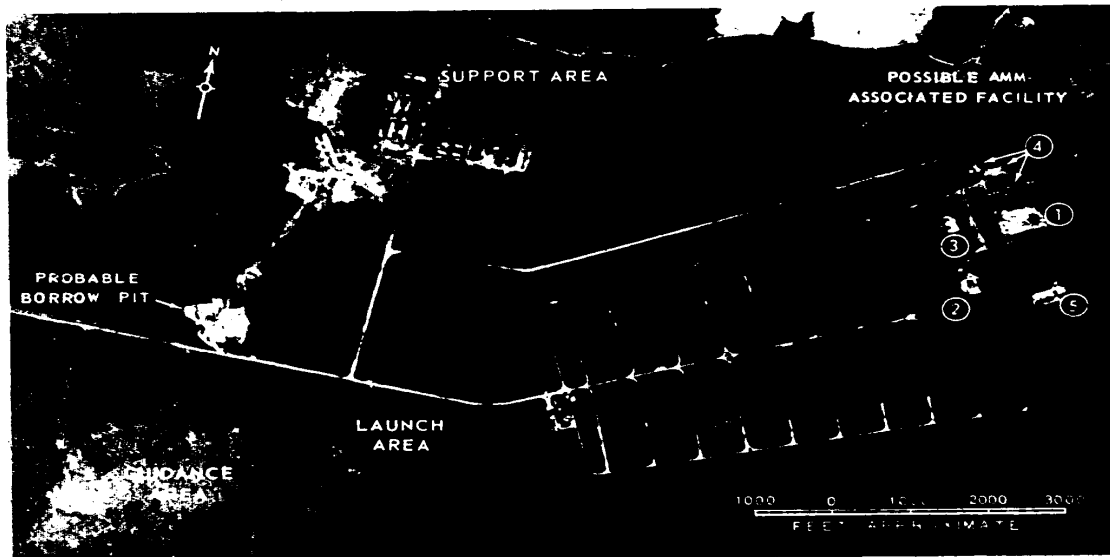


FIGURE 11. MOSCOW SAM SITE E05-1

25X1D

TOP SECRET RUFF

NPIC/R-64/64

Item 2: One smaller building, 100 by 100 feet, had an unidentified circular object on its roof.

Item 3: Another building, probably similar in dimensions, was under construction.

Item 4: Three cleared and connected areas of unidentified activity contain six small structures and a small circular object.

Item 5: Unidentified structure, 70 by 25 feet.

25X1D



TOP SECRET RUFF

25X1A

MOSCOW SAM SITE E06-1

NPIC Target No: 0154-98E

Coords: 56-07N 38-43E

Map Ref: DIA Sheet 0154-23HL (S) 25X1D

First KEYHOLE coverage: [REDACTED]

Status then: undetermined because of haze and darkness.

25X1D First clear KEYHOLE coverage was in

[REDACTED] when the site appeared complete

and included two clearings (Figure 12). One

clearing (Item 1) [REDACTED] the

other (Item 2) was around one of the launch

area bunkers. There had been no apparent change

at the site since [REDACTED]

25X1D

25X1D

25X1D

KEYHOLE PHOTOGRAPHIC COVERAGE (all TOP SECRET RUFF)

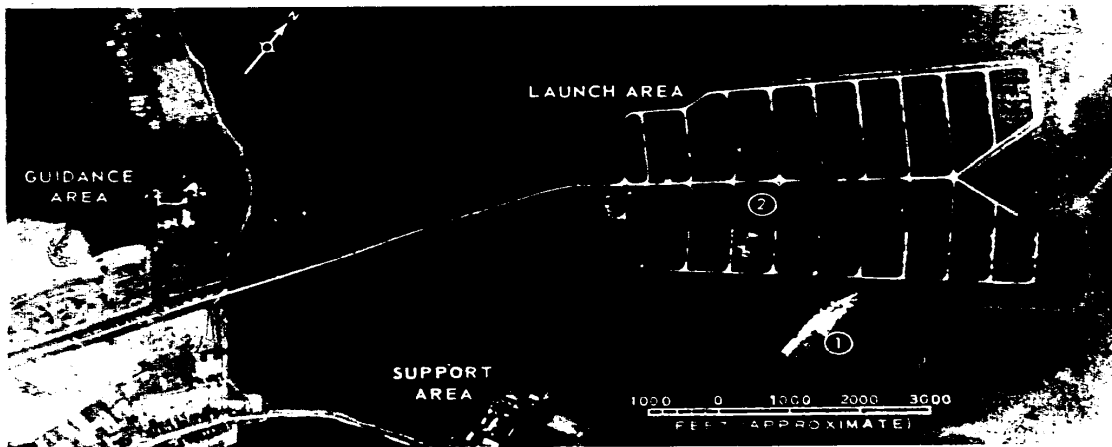
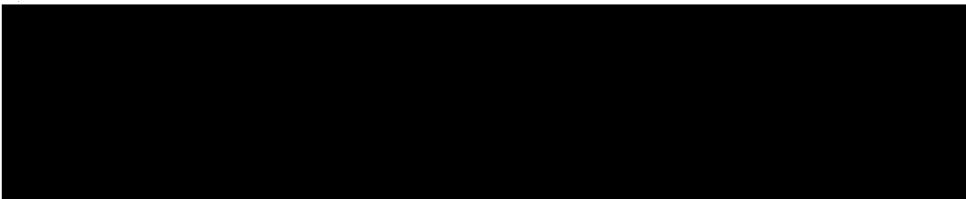


FIGURE 12. MOSCOW SAM SITE E06-1 [REDACTED]

25X1D

25X1D

MOSCOW SAM SITE E07-1

25X1A

BE N [REDACTED]
NPIC Target No: 0154-98F
Coords: 56-01N 38-50E
Map Ref: DIA Sheet 0154-23HL (S)

25X1D

First KEYHOLE coverage: [REDACTED]
Status then: undetermined because of haze and darkness.

First relatively clear KEYHOLE coverage of this site was in [REDACTED]. At that time the site appeared complete and there was a possible building, approximately 790 by 95 feet, located adjacent to the service road, midway between the guidance and launch areas. There had been no apparent change at the site by [REDACTED] (Figure 13).

25X1D

25X1D

25X1D

KEYHOLE PHOTOGRAPHIC COVERAGE (all TOP SECRET RUFF)

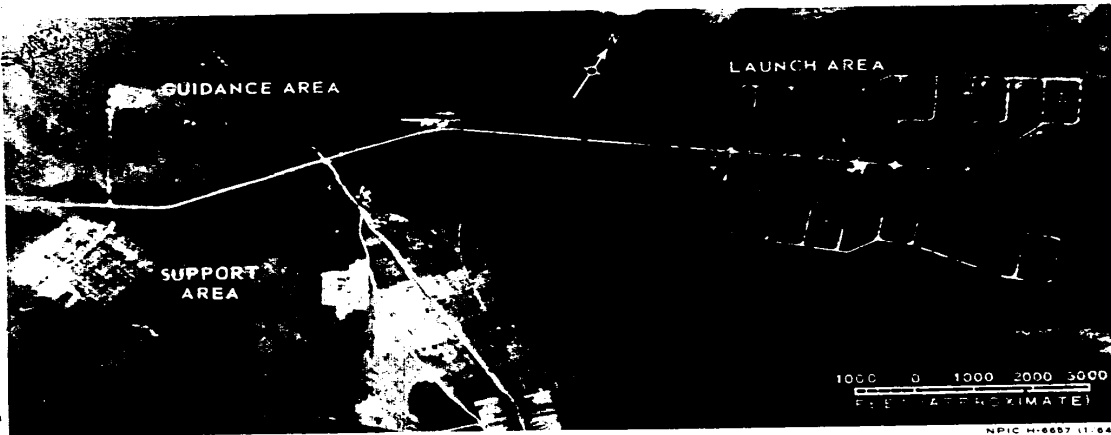


FIGURE 13. MOSCOW SAM SITE E07-1, [REDACTED]

25X1D

TOP SECRET RUFF

NPIC/R-64/64

25X1A

MOSCOW SAM SITE E08-1

25X1D

NPIC Target No: 0167-122

Coords: 55-53N 38-54E

Map Ref: DIA Sheet 0167-5HL (S) 25X1D

25X1D First KEYHOLE coverage:

Status then: undetermined because of haze and darkness.

The first relatively clear KEYHOLE coverage of this site was in [redacted]. There were three buildings not found in the typical launch area (Figure 14): one building (Item 1) is 70 by 25 feet; the second (Item 2) is 85 by 25 feet; and the third (Item 3) is 65 by 25 feet. There was also an area of disturbed earth, possibly a borrow pit, approximately 1,180 by 980 feet (Item 4). There had been no apparent change in the site between [redacted].

25X1D

KEYHOLE PHOTOGRAPHIC COVERAGE (all TOP SECRET RUFF)

25X1D

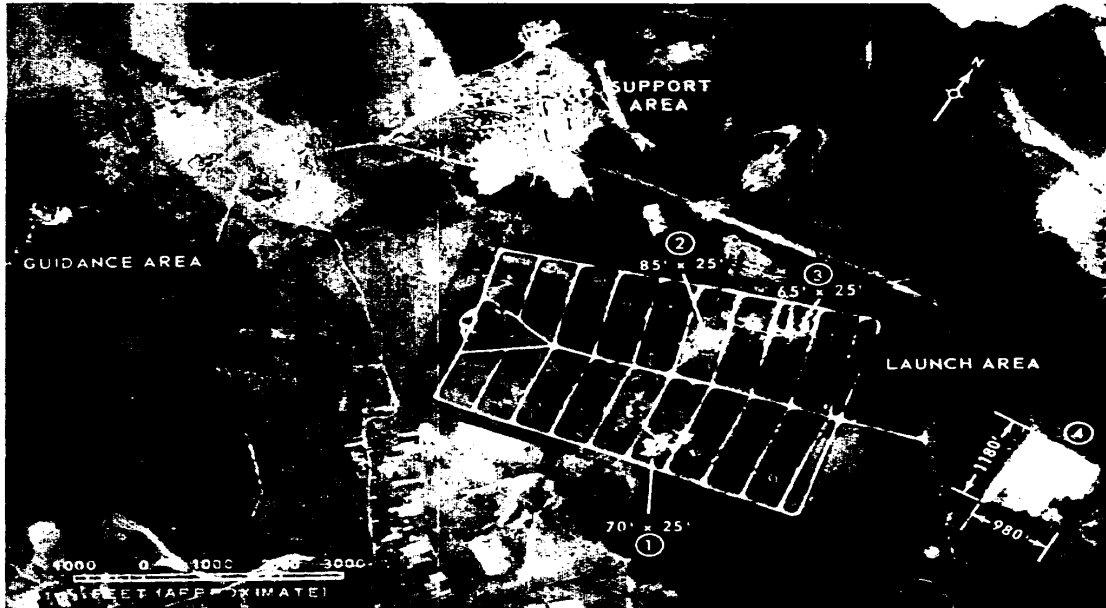


FIGURE 14. MOSCOW SAM SITE E08-1

NPIC H-8058 (1) 64

25X1D

TOP SECRET RUFF