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NPIC/R-235/63
September 1963

PHOTOGRAPHIC INTERPRETATION REPORT
DECLASS REVIEW BY NIMA / DoD
GRANOV IRBM LAUNCH COMPLEX,
USSR

S-8656



CIA



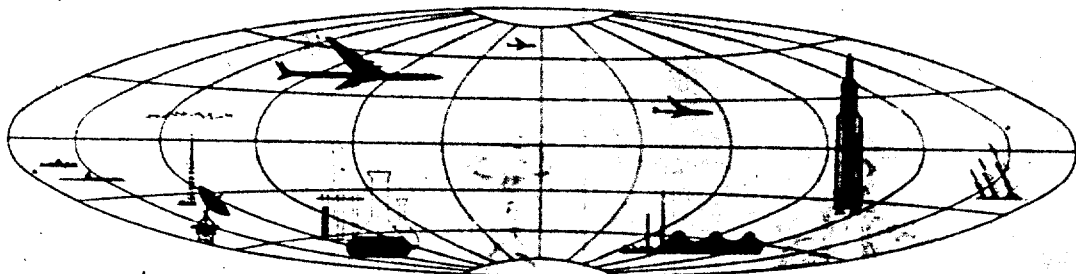
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GROUP 1
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GRANOV IRBM LAUNCH COMPLEX, USSR

LAUNCH AREA NO 1 (TYPE III)

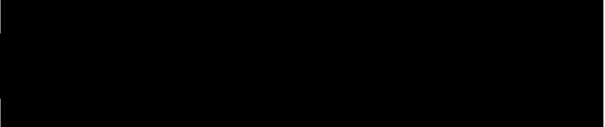
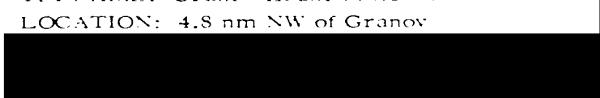
COORDS: 48-56-15N 29-30-30E

25X1A

ASSOC AREAS: Launch Area No 2, 6.8 nm to S.
Launch Area No 3, 6.1 nm to NW.
TDI NAME: Granov Launch Site No 1
LOCATION: 4.8 nm NW of Granov

ADMINISTRATION & HOUSING SECTION: Located 2,600' ESE of site. Seven barracks-type bldgs (135' x 45'), two bldgs (190' x 55'), one (140' x 40'), plus seven smaller bldgs and one parking apron for possible missile-transporting or other equipment.

25X1D



25X9

Launch Site

TERRAIN: Level VEGETATION: Wooded
SECURITY: None discernible

Rail-to-Road Transfer Point

Possible railhead 3.5 nm to launch area by improved road.

25X1D

PADS: Four elongated pads (200' x 100') with 770' separation and oriented [redacted]

25X1D

READY BLDGS: Four drive-in type [redacted]
CONTROL BLDGS: Two (size undetermined), one between the pads of each pair

Other IRBM Activity Within 25 NM Radius Of Launch Area

None.

REFERENCES

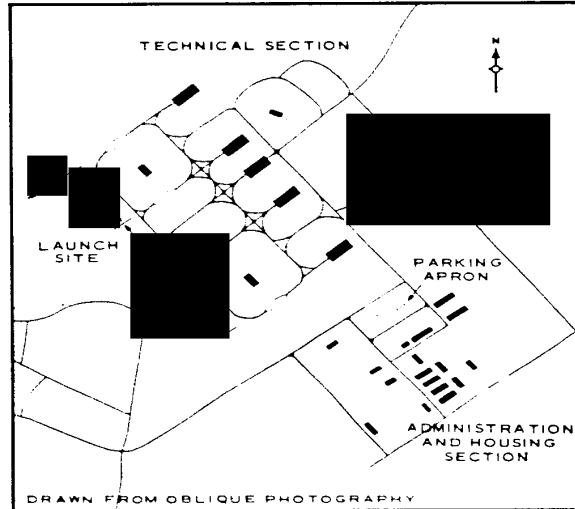
Site Support Facility

TECHNICAL SECTION: A double-loop road pattern extends to the N of the access road that serves the site. One probable bldg of undetermined size is situated near the center of one of the loops.



25X1D

MAPS: AMS, N501-NM 45-12
USATC-200, Sheet 0233-15



25X9
25X1D
25X1D
25X1D

25X1D

FIGURE 1. GRANOV IRBM LAUNCH AREA NO 1.

NPIC R-235 '63

NPIC/R-235/63

LAUNCH AREA NO 2 (TYPE IV)

COORDS: 48-49-30N 29-29-15E

25X1A

ASSOC AREAS: Launch Area No 1, 6.8 nm to N, Launch Area No 3, 11 nm to NNW, TDI NAME: Granov Launch Site 2 LOCATION: 4.2 nm SW of Granov

25X1D

Launch Site

TERRAIN: Flat VEGETATION: Wooded SECURITY: None discernible ORIENTATION: 260° COMPONENTS: The launch site includes a partially backfilled control bunker (150' x 70'), two forward launch silos (225' apart) and a probable portal silo. The northern launch silo appears complete with only the silo cover apparent. The southern launch silo is not yet backfilled, and its associated equipment bunker is clearly visible. A possible conduit connects the SE corner of the control bunker with the probable portal silo position.

Site Support Facility

TECHNICAL SECTION: None discernible ADMINISTRATION & HOUSING SECTION: Located 2,500' E of launch site and contains a loop road with an apron at one end which has a building (180' x 65') adjacent to it, eight barracks (135' x 40'), three bldgs (100' x 55'), one bldg (120' x 55'), and four small bldgs. No helicopter pad was observed.

25X9

Rail-to-Road Transfer Point

Possible railhead 9.8 nm to launch area by improved road.

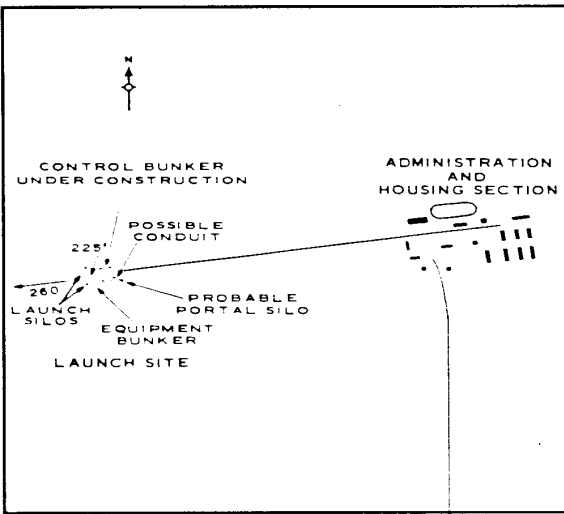
Other IRBM Activity Within 25 NM Radius Of Launch Area

None.

REFERENCES

MAPS: AMS, N501-NM 85-12 USATC-200, Sheet 0233-1S

25X1D



25X1D

FIGURE 2. GRANOV IRBM LAUNCH AREA NO 2.

LAUNCH AREA NO 3 (TYPE IV)

COORDS: 48-59-30N 29-22-15E

25X1A

ASSOC AREAS: Granov 1, 6.1 nm to SE, Granov 2, 11 nm to SSE.

TDI NAME: Kalnik Launch Site

LOCATION: 10.2 nm NW of Granov

25X1D

Launch Site

TERRAIN: Level VEGETATION: Wooded SECURITY: None discernible

ORIENTATION: 265°

COMPONENTS: The launch site includes a clearing (450' x 360'). A faint rectangular outline (155' x 110'), noted near the center of the clearing, suggests that the control bunker may be in the process of being backfilled. Two dark objects, located 225' apart and just W of the bunker, represent the launch silo, and a third dark object situated 260' E of the southern launch silo marks the position of the probable portal

silo. A probable construction building is observed just S of the bunker.

Site Support Facility

TECHNICAL SECTION: None

ADMINISTRATION & HOUSING SECTION: Located 2,700' E of site. Four barracks-type bldgs (115' x 40'), six probable smaller bldgs, and a loop road with one possible bldg along western end.



25X9

Rail-to-Road Transfer Point

Possible railhead 3.5 nm to launch area by improved road.

Other IRBM Activity Within 25 NM Radius Of Launch Area

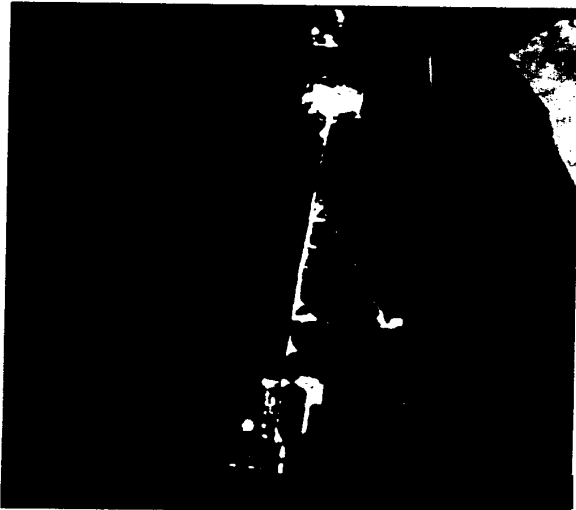
None.

REFERENCES



25X1D

MAPS: AMS, N501-NM 85-12 USATC-200, Sheet 0200-18



25X1D

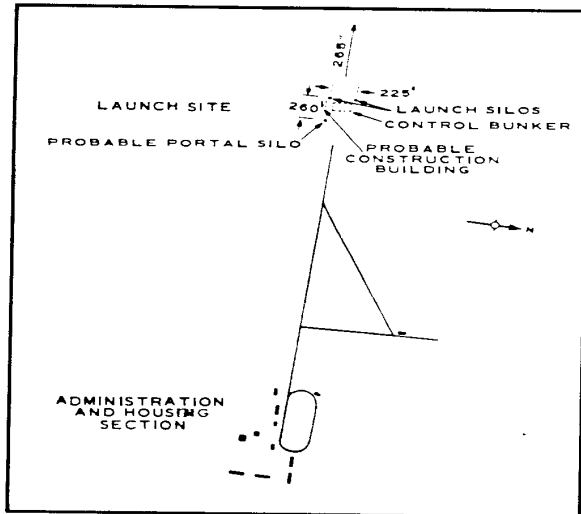


FIGURE 3. GRANOV IRBM LAUNCH AREA NO 3.

25X1B

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