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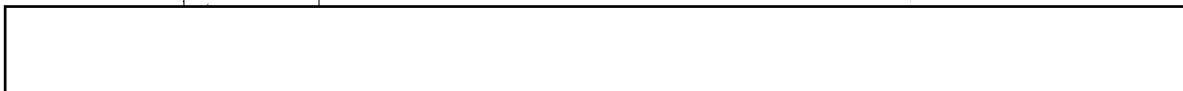
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CIA/PIR-16/63  
November 1963

CENTRAL INTELLIGENCE AGENCY  
PHOTOGRAPHIC INTELLIGENCE REPORT

**CHRONOLOGICAL DEVELOPMENT OF THE  
KAPUSTIN YAR/VLADIMIROVKA AND  
TYURATAM MISSILE TEST CENTERS, USSR,  
1957 THROUGH 1963**



**WARNING**



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**CHRONOLOGICAL DEVELOPMENT OF THE KAPUSTIN YAR/VLADIMIROVKA  
AND TYURATAM MISSILE TEST CENTERS, USSR,  
1957 THROUGH 1963**

The sequence of growth at both Kapustin Yar/Vladimirovka and Tyuratam Missile Test Centers is depicted in color in Figures 1 and 2. Listings of all photographic coverages of the two test centers are given, showing the date of mission and camera system employed, in Tables 1 and 2. Not taken into account for the numerous coverages are weather conditions, cloud cover,

or camera malfunctions. Significant developments at the launch complexes within the test centers are also summarized.

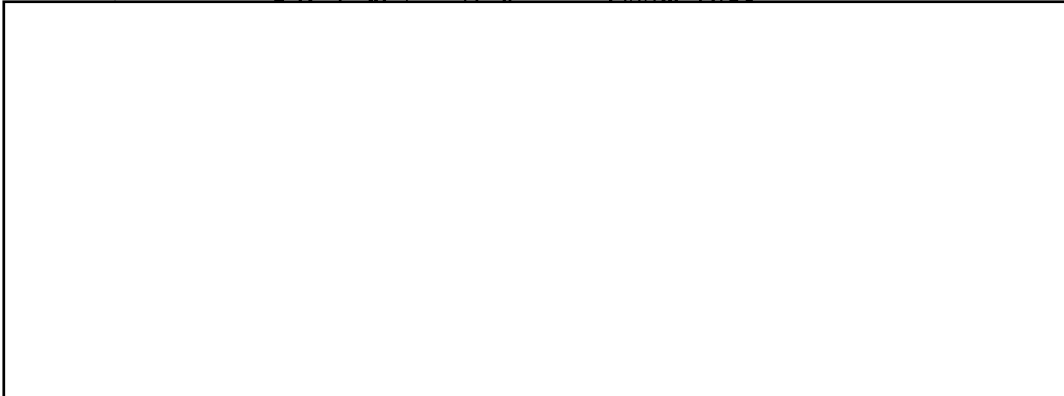
Of particular interest is the continued major expansion in the area of operations at Tyuratam between 1957 and 1963 compared to the minor areal expansion at Kapustin Yar/Vladimirovka during the latter part of the same period.

- 1 -

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25X1D



KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER

SAM Launch Facilities

- One SA-1 (herringbone) launch site
- Four SA-2 training launch sites
- Six SA-3 R & D and training launch sites
- Five deployed SA-2 launch sites
- Full or partial examples of all known SAM systems in R & D launch area

SSM Launch Facilities

- Launch Complex A (present system unknown) 25X1D25X1D
- Area 1A 2 launch pads; abandoned in [redacted]
- Area 2A 2 large earth launch structures under construction in [redacted] 1 complete,  
1 probably abandoned
- Also, 7 inactive revetted field launch sites

- Launch Complex B (naval missile associated)
- Area 1B 3 launchers: 2 inclined, 1 unidentified
- Area 2B 2 launchers or ship simulators
- Area 3B 2 launchers or ship simulators 25X1D

- Launch Complex C (MRBM/IRBM associated)
- Area 1C 1 launch pad, rail served since [redacted] probable launch point for Cosmos satellites;  
prior to [redacted] R & D and training for Sandal (SS-4) MRBM system; also 3 inactive  
revetted field launch sites 25X1D
- Area 2C 2 launch pads, probably associated with SS-5 IRBM system
- Area 3C 3 launch pads; R & D and training for Shyster (SS-3) MRBM system
- Area 4C 2 subareas, prototypes for deployed hard SS-4 and SS-5 launch sites
- Area 5C 2 subareas, 2 launch pads each, for SS-4 and SS-5 troop training

- Launch Complex E (missile system unknown) 25X1D
- 1 large launch pad; no significant change since first observed in [redacted]
- Launch Complex F (troop training) 25X1D
- At least 65 revetted field-type training sites; abandoned by [redacted]

- Launch Complex G (troop training)
- Area 1G 2 fixed launch pads
- Area 2G 3 revetted field-type launch sites; 1 site active in [redacted] 25X1D

Aerodynamic Facilities

- Launch Complex D 25X1D
- Area 1D 1 unusual rail-served launch structure in [redacted] and 2 road-served probable launchers,  
[redacted]
- Area 2D 1 launcher under construction in [redacted] probably abandoned thereafter 25X1D
- Area 3D 1 launcher on pad; complete in [redacted]
- Area 4D 1 launch pad; status and function undetermined

Vladimirovka Airborne Missile Loading Complex

- Air-to-air missile handling facilities
- Air-to-surface missile handling facilities

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25X1D

25X1D

25X9

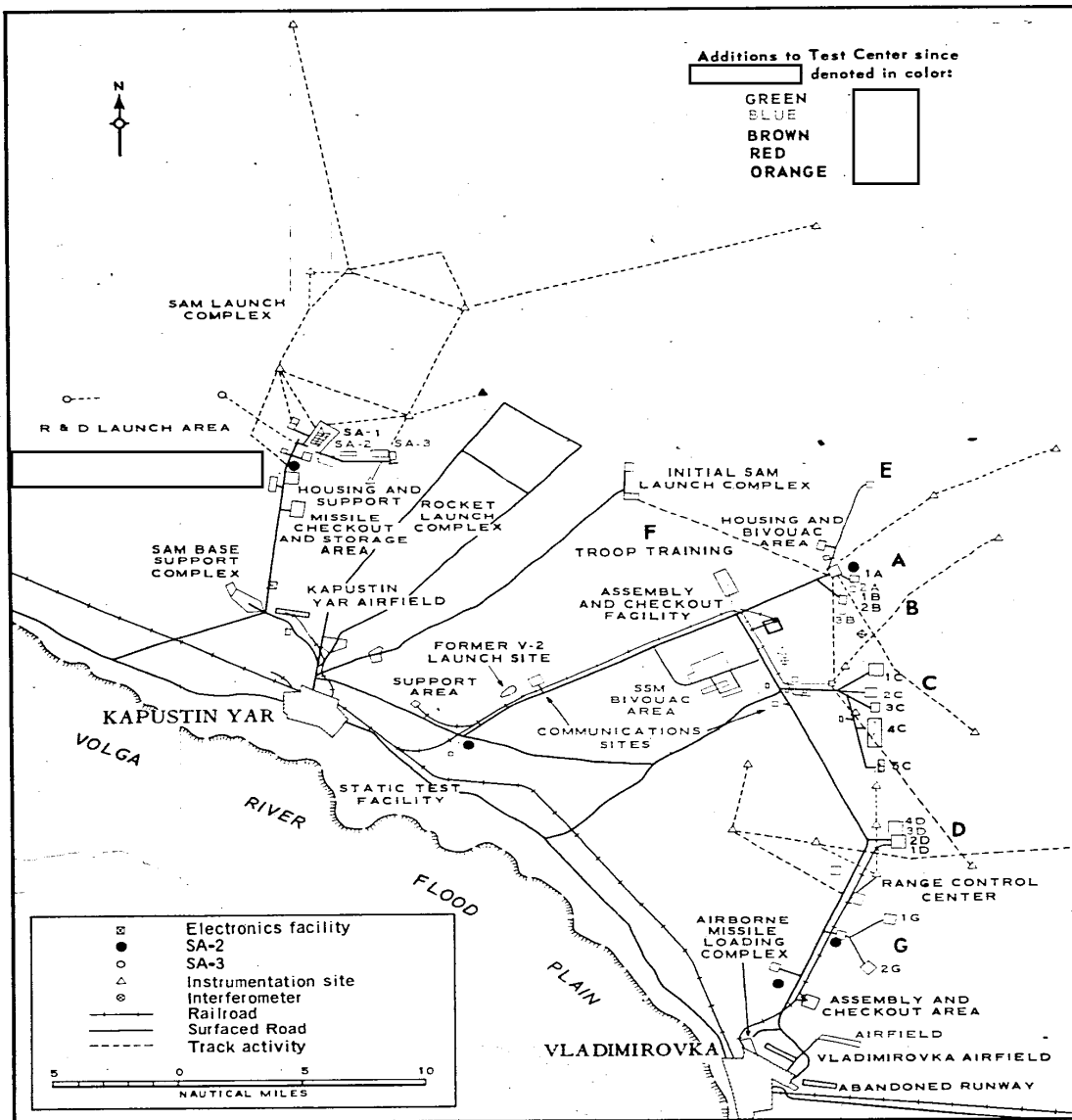


FIGURE 1. DEVELOPMENTS AT KY/VLAD MTC.

NPIC H-5671 (11/63)

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25X1D



25X1D 25X1D 25X1D 25X1D

25X1D 25X1D TYURATAM MISSILE TEST CENTER  
25X1D 25X1D 25X1D

Launch Complex A

Pad A1 R & D for SS-6 missile system and probably for all space programs; large rail-served launch structure complete in [redacted]

Pad A2 R & D for SS-5 missile system; complete in [redacted]; rail served; forerunner of pads at Complex E

Launch Complex B (prototype of SS-6 deployed sites)

Large rail-served launch structures under construction, [redacted]; complete, [redacted]

Launch Complex C (R & D and prototype of soft SS-7 deployed sites)

Pads C1 and C2 Pad separation 1,250 feet; complete in late [redacted]

Pad C3 Combined with Pad C2, pad separation 950 feet; complete in mid-[redacted]

Launch Complex D (prototype of hard SS-7 deployed sites)

Site D1 Silo launch site with 2 or possibly 3 missile silos; probably complete in late [redacted]

Site D2 Similar to Site D1; construction continuing in [redacted]

25X1D

Launch Complex E (prototype of soft SS-8 deployed sites)

Pads E1 and E2 Pad separation 500 feet; complete in [redacted]

Pad E3 Complete in [redacted] resembles Pad A2

25X1D

Launch Complex F (prototype of hard SS-8 deployed sites)

Silo launch site with 2 or possibly 3 missile silos; probably complete in [redacted]

Launch Complex G (space or ICBM associated)

Pads G1 and G2 Rail served; pad separation 900 feet; started [redacted] midstage of construction, [redacted]

Pads G3 and G4 Rail served; pad separation 1,800 feet; early to midstage in [redacted]

Launch Complex H (missile system unknown)

Pads H1 and H2 Road served; pad separation 580 feet; started in early [redacted]

Recent Construction

At the rangehead, 2 road- and rail-served construction activities started in summer, [redacted]

25

25X1D

25X1D 25X1D

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25X1D

25X1D

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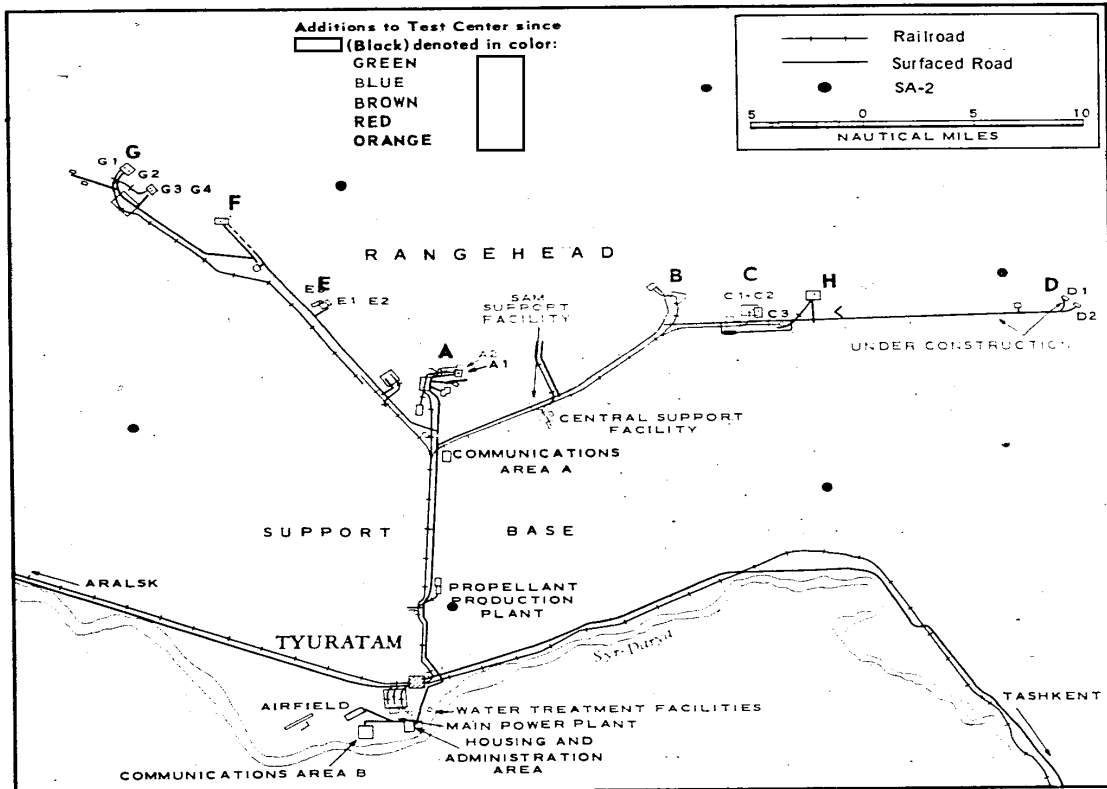


FIGURE 2. DEVELOPMENTS AT TTMC.

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