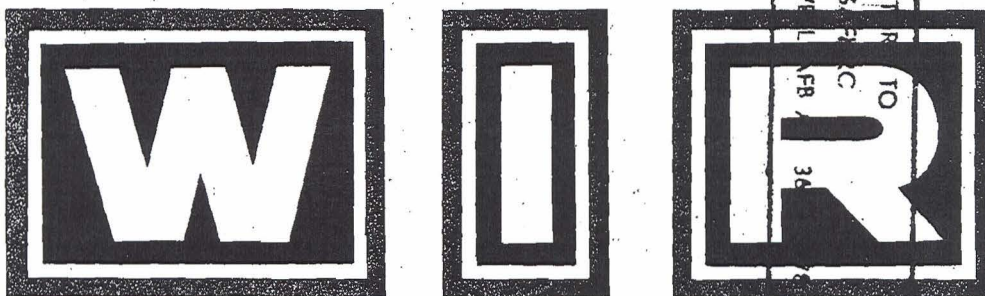




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**NORTH AMERICAN AIR DEFENSE COMMAND**



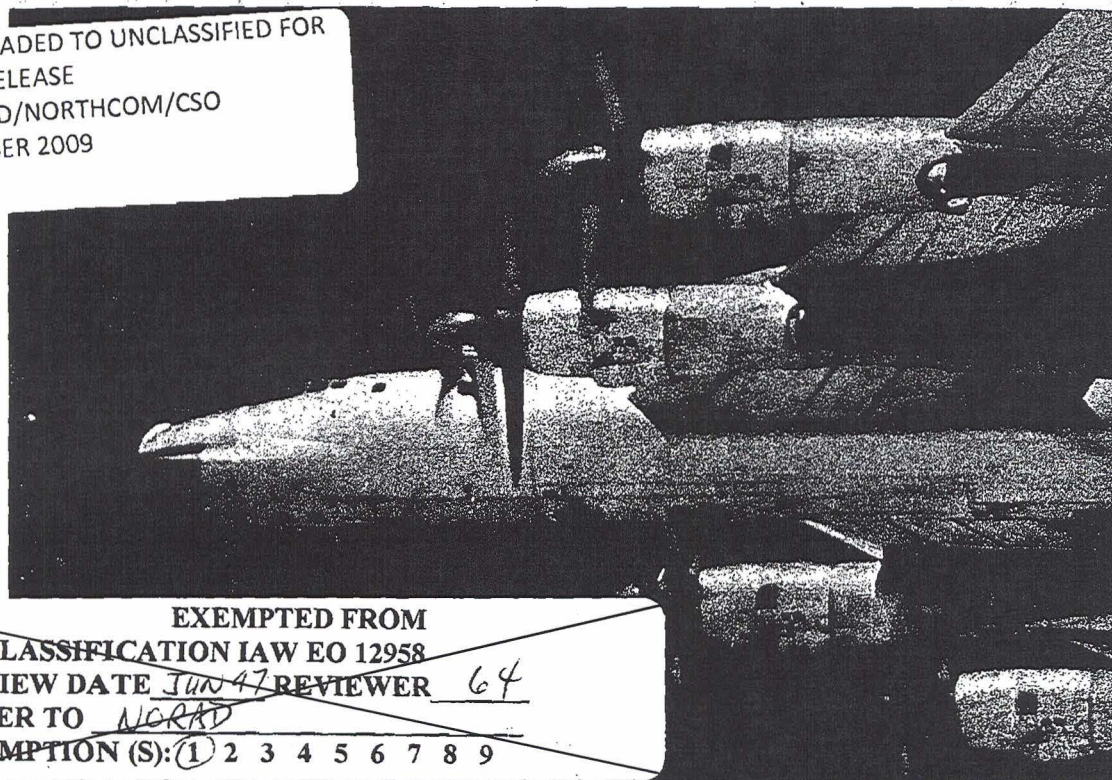
**WEEKLY INTELLIGENCE REVIEW (U)**

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## The WIR in Brief

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### Space

U.S.S.R. USING SIGNALS FROM U.S. WEATHER SATELLITES BUT REFUSES TO ADMIT IT  
Official line is to belittle APT.  
SOVIETS EXPAND SATELLITE TRACKING NET  
Construction under way or completed in Cuba, Indonesia, Antarctic.  
SPACE STATUS REPORT  
As of 20 Sept

Portion identified as non-responsive to the appeal

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significant  
intelligence  
on space  
developments  
and trends

## USSR Using Signals from US Weather Satellites but Refuses to Admit it

A number of nations, including some in Communist Eastern Europe, have openly used APT (Automatic Picture Transmission) signals from US weather satellites, as was intended. The APT system transmits operational cloud cover pictures in real time from US weather satellites on command as they pass over the receiver.

The USSR has never admitted using the system; in fact, the official Soviet attitude is to belittle its usefulness. However, [redacted] an antenna very similar in appearance to those used in the US to receive APT data. Soviet meteorologists at first denied that the object was an APT antenna but under further questioning finally admitted that it was.

The Soviets most likely have used APT data operationally. The experience gained in doing so is probably particularly useful to them, now that they have data from their own meteorological satellites to work with. APT data will continue to be useful to Soviet weathermen for comparing and supplementing the data from their own satellites.

(CIA)

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## Soviets Expand Satellite Tracking Network

The Soviet "Interrorbs" visual satellite-tracking network -- now operational in China and 7 eastern European countries -- is being expanded with new construction under way or completed in Cuba, on the Indonesian Island of Ambon, and in the Antarctic. Additionally, the USSR is negotiating with Australia, India, Egypt, Algeria, Chile, and Peru for permission to establish facilities that could be used for satellite tracking.

The present network employs a modified aerial camera and an accurate timer which provides data within six degrees of arc and one five-thousandth of a second. The system is limited because the tracking site

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must be in darkness while the satellite is illuminated by the Sun. Even under these conditions, the camera can record only those objects of stellar magnitude six or brighter.

(CINCUSNAVEUR)

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## Space Status Report

The over-all space report as of 1000Z, 20 September 1966:

	<u>USA</u>	<u>UK</u>	<u>Can</u>	<u>Italy</u>	<u>France</u>	<u>USSR</u>	<u>Total</u>
Payloads in Earth orbit	200	2	2		3	43	250
Payloads in Sun orbit	9					9	18
Payloads in Moon orbit	1					2	3
Payloads en route to Moon	1						1
Payloads on Moon	6					5	11
Payloads on Venus						1	1
Debris in Earth orbit	715	1	2		11	132	861
Debris in Sun orbit	11					5	16
	<u>943</u>	<u>3</u>	<u>4</u>		<u>14</u>	<u>197</u>	<u>1,161</u>
Payloads de-orbited or decayed	196			1		123	320
Debris decayed	<u>296</u>					<u>647</u>	<u>943</u>
	1,435	3	4	1	14	967	2,424

(NORAD Space Defense Center)

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