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MISSION 9031

Launched at 1940Z. 27 February 1962. Solar altitudes for the mission were from ten degrees at 70 North to 50 degrees at 30 North.

Programmed Film Expenditure

	<u>X Program</u>	<u>Y Program</u>
First Day	43%	23%
Second Day	55%	27%
Third Day	50%	31%
Fourth Day	49%	26%
	<u>197%</u>	<u>107%</u>

Actual Film Consumption

First Day	25%
Second Day	32%
Third Day	23%
Fourth Day	20%
	<u>100</u>

Command Decisions for CORONA Mission 9031 were influenced by the following factors:

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in Accordance with E. O. 12958

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1. Priority of the targets.
 2. Passes grouped together.
 3. Forecast weather.
 4. Targets in China recently covered by the [REDACTED] program.

The priority area at Peschany had great influence on the film expenditure decisions. Unfortunately, the pass that covered this target each day was in a group of four passes that had to be taken at one command. The "Y" program did enable coverage of the area with the expenditure of about half the film planned for the "X" program.

On the third day passes 40 and 41 had to be taken together. This required the "X" program be selected because the pass 40X was a long pass covering many important targets. However, it required buying the "X" program on pass 41, the northern portion of which was only cut in case of slippage to the East and did not provide the coverage desired.

Decisions for the fourth day were made by working backward from passes that had to be taken, because of target priorities, regardless of forecast weather. This provided full stereo coverage for all important targets. One camera exhausted its film supply approximately 100 NM south of Moscow. There was obtained approximately 140 feet of monaural coverage on the last pass.

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In the flight line sections selected for camera operation, 50% of the area was forecast to have favorable weather (less than 4/8 cloud cover). Experience on past missions has shown these forecast to be 60 to 70% accurate.

Russian Weather reports, analyzed after the completion of each pass, indicate that actually 63% of the area photographed had favorable weather. It is significant that both of the last two missions, during which we have been able to exercise even the present limited control, have netted over 60% cloud free coverage; whereas, the average for previous missions was only 42%.