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This document contains information
referring to Project CORONA

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6 November 1961

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PHOTOGRAPHIC QUALITY

GENERAL STATEMENT



Mission 9009

Photo quality in this mission was generally good. Granularity, heavy diagonal pressure streaks and emulsion flaking were the main degrading factors. Camera - C. Estimated lines per mm - 55 (35' on a side ground resolution).

Mission 9013

Photo quality was slightly better than in Mission 9009. Granularity, light diagonal pressure streaks and light leaks somewhat degraded the film. Camera - C'. Estimated lines per mm - 65 (25' on a side ground resolution).

Mission 9017

Photo quality showed considerable improvement over Mission 9013. Resolution and granularity were enhanced. Diagonal pressure streaks, and thin density due to cloud shadow and low sun angle on ascending passes caused some degradation. Camera - C'. Estimated lines per mm - 65 (25' on a side ground resolution).

Mission 9019

Photo quality was similar to 9017, with diagonal pressure streaks and thin density on ascending passes degrading the film. Camera - C'. Estimated lines per mm - 65 (25' on a side ground resolution).

Mission 9023

Photo quality improved greatly over previous missions. Finer granularity and better resolution were the most important enhancements. However, a small out-of-focus band was noticed in every frame of photography and a considerable number of desensitized streaks were noted. Camera - C'. Estimated lines per mm - 90 (15' on a side ground resolution at best).

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Mission 9022

Photo quality was similar to 9023, however, the out-of-focus band covered approximately 15% of every frame. Camera - C'''. Estimated lines per mm - 90 (15' on a side ground resolution at best).

Mission 9025

96% of every frame in the mission was out-of-focus. In-focus areas had photo quality comparable to missions 9023 and 9022. Camera - C'''. Estimated lines per mm - 90 (15' on a side ground resolution at best).

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PHOTOGRAPHIC COVERAGE

<u>Mission</u>	<u>Date</u>	<u>USSR (Sq. Mi)</u>	<u>Total Coverage (Sq. Mi)</u>
9009	18 Aug. 60	1,350,612	1,775,058
9013	9 Dec. 60	2,937,800	3,883,200
9017	16 Jun. 61	3,009,000	3,774,620
9019	7 Jul. 61	4,976,342	5,919,209
9023	30 Aug. 61	1,564,400	3,073,860
9022	12 Sep. 61	2,371,696	4,165,045
9025	13 Oct. 61	<u>753,400</u>	<u>1,146,400</u>
	Totals	16,963,290	23,737,392

Totals include duplicate coverage.

Distribution:

