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10 December 1964

To: [REDACTED]
From: [REDACTED]
Subject: MISSION 1014 EVALUATION

The examination of the photographic output of Mission 1014-1 and 1014-2 as well as discussions with professional photo interpreters has resulted in the following conclusions regarding the quality of the acquired photography.

1. The best photography of Mission 1014-1 and 1014-2 is equal to the best photography obtained during Missions 1006-1 through 1013-1. Master camera photography was generally superior to Slave camera photography.
2. The major reason for the overall degraded quality is an abnormal amount of atmospheric attenuation caused by haze, smoke, etc.
3. The prime secondary reason for the overall degradation is an decrease in photographic scale by ten to twenty-five percent as a result of initial perigee altitude and location.
4. The photographic information content was adversely affected by underexposure only above 55° North latitude.
5. The use of the Wratten 25 filter on the Master camera improved the photographic quality and information content above the level normally experienced from this camera operating near the winter solstice.
6. There was no significant loss of information content in shadow areas observed in both Master and Slave camera photography when the original negative was properly processed.

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Based on these conclusions, it is recommended that Mission 1015 (J-17) be flown with a Wratten 25 filter and 0.250" slit on the Master camera and a Wratten 21 and 0.175" slit on the Slave camera.



Supervisor, Performance Evaluation

Approved:



Manager, Operations & Analysis

