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Approved For Release 2000/08/31 : CIA-RDP78B04767A000300050028-2

CONTROL SYSTEMS JOINTLY

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18 September 1968

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MEMORANDUM FOR: See Distribution

SUBJECT: Mission 1105 Color Film Utilization

REFERENCE: [REDACTED] 9 August 1968

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1. As reported in the referenced memorandum, the flight plan for Mission 1105 calls for the inclusion of 500 feet of SO-121 color film. It has now been established that the color film will constitute the last 500 feet of the forward camera record. It will be exposed in stereo with the aft camera, black and white film.

2. The DD/SAT/OSP, through the J-3 Ad Hoc Committee, has invited the NPIC to input suggestions for use of the color film, [REDACTED] Suggestions should be routed through normal channels.

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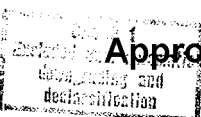
3. The spatial resolution of the SO-121 is expected to be slightly poorer than that of the SO-180 used on Mission 1104 (estimated to be 25' at best). Thirty to forty feet is a reasonable expectation of the best ground resolution for the SO-121. The degrading factors affecting SO-121 are:

a. The peak response of SO-121 is not compatible with the lens being used.

b. The grain structure of SO-121 is more coarse than that of SO-180 (UTB 3404).

c. The camera is focused for UTB (SO-380) while the SO-121 is on standard base material. (It will therefore be slightly out-of-focus).

d. The portion of the spectrum being utilized is more susceptible to atmospheric attenuation than is that used by the SO-380 or the SO-180 employed on Mission 1104.



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e. The contrast of the SO-121 is appreciably lower than that of SO-180.

4. Attached are informal suggestions for beneficial use of the SO-121 according to some intelligence analysts. These pseudo requirements were passed to NPIC by [redacted] DD/S&T/OSP through the J-3 Ad Hoc Committee. The attachment bearing TCS-2534/68 is a requirement for color coverage of [redacted]. Each requirement includes the name of the analyst submitting it. These attachments are provided herein for your information.

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[redacted]

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Attachments:

[redacted]

25X2

2 - Suggested Color Requirements from OSI

Distribution:

- cy 1 - NPIC/Ch/TSSG, v/a
- 2 - NPIC/Ch/PSG, v/a
- 3 - NPIC/Ch/LEG, v/a
- 4 - NPIC/Ch/PPBS, v/a
- 5 - NPIC/TSSG/TAD, v/a - chrono 9/68
- 6 - NPIC/TSSG/TAD, v/a - 450020 ✓

NPIC/TSSG/TAD: [redacted]:pdc/3305 (19 Sept 68)

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TALENT-KEYHOLE

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CONTROL NO. [REDACTED] cy 6, w/a

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450020							

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Handle Via Indicated Controls



**-TALENT-KEYHOLE**

Access to this document will be restricted to those persons cleared for the specific projects;

**RUFF**

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