

Page Denied

25X1

30 December 1959

Copy No. 4

MEMORANDUM FOR: Deputy Director (Plans)

SUBJECT: High Resolution of Photography
Taken on Mission 8005

1. Attached hereto is a brief "think piece" which might be of some interest to you. The prime element of interest is the unprecedented resolutions achieved on Mission 8005 photography which appears to have topped 100 lines per millimeter in some portions of the track.

2. I would quickly admit that we are not meteorologists or operations evaluation specialists. However, [redacted], in attempting to account for this result, has offered some suggestions which might be examined with some profit by your Operations personnel in DFD.

25X1

3. In addition, I would like to emphasize that snow cover has given us a distinct assist in the interpretation of shadow detail. In other instances snow cover interfered with runway measurements on inactive or non-operational airfields and it probably covered some sections where paintings or markings on the ground could be useful in the photo interpretation process. However, on balance, there appears to be little doubt that the snow cover has given us an important overall assist. I would also point out that some of our P.I. specialists suggested the precise location of the track in certain key areas with a result that these areas appear now to have been covered in an optimum manner.

4. Please accept our observations, particularly the projected graph curves which relate resolution to season and sun angle as provisional and subject to more data inputs than are presently available. These observations could also be of some use in the considerations and decisions forthcoming on the C Program.

ARTHUR C. LUNDAHL
Director,
Photographic Intelligence Center

Attachment:

Cy 1 of [redacted]

Distribution:

Cy 1 - DD/P w/attach
2 - DD/I
3 - PIC /ODir

25X1
25X1