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(S) NATIONAL RECONNAISSANCE OFFICE
WASHINGTON, D.C.

THE NRO STAFF

7 May 1980

MEMORANDUM FOR THE DEPUTY TO THE DCI FOR COLLECTION TASKING

SUBJECT: Dual Mode GAMBIT Performance

In a 16 April memorandum the DCI provided to the President on the status of national reconnaissance imaging systems (BYE-1660-80) we stated that a Dual Mode GAMBIT mission would collect approximately one-third the imagery a HEXAGON mission collects. You asked us to double-check this performance estimate. The following table summarizes HEXAGON 1215 coverage (as reported to the intelligence community) and simulated Dual Mode GAMBIT coverage, in millions of square nautical miles:

	Gross Coverage	Gross Mode-Valid	Total Clear Mode-Valid
HEXAGON	29.6	25.5	21.5
GAMBIT	9.1	9.1	8.2

The mode valid coverage reflects collection in a mode that satisfies the requirement (e.g., stereo coverage of stereo requirement area). The GAMBIT performance is based on our best estimate of the film load that the community will specify (13.5K on 9-inch and 3.0K on 5-inch).

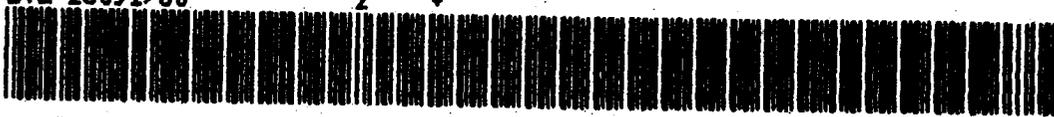
I hope these figures satisfy your needs.

J. D. Hill
J. D. HILL
Director

BYE-28031/80

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S & T
CONTROLLED

GAMBIT/HEXAGON

HANDLE VIA BYEMAN CONTROL SYSTEM
CLASSIFIED BY BYEMAN-1
RVW: 7 MAY 2000

~~TOP SECRET~~

CONTROL NO BYE-28031-80
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