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Declassified and Released by the NRO
In Accordance with E. O. 12958
on NOV 26 1997

[REDACTED]

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PRIORITY [REDACTED]

INFO [REDACTED]

CITE [REDACTED]

[REDACTED]

REF [REDACTED]

[REDACTED]

A. 1031

B. PRIOR TO PROCESSING 1030-1, 61 FEET OF FILM WAS REMOVED FROM THE FORWARD LOOKING CAMERA FOR USE IN THE LOW GAMMA TEST. THE FILM WAS THEN SLIT ALONG THE MAJOR AXIS FOR PROCESSING ONE HALF IN THE TRENTON AT THE INTERMEDIATE PROCESSING LEVEL AND ONE HALF IN THE EHGA PROCESSOR AT A LOW GAMMA LEVEL (1.47 GAMMA).

A SERIES OF DUPLICATES WERE MADE AT VARIOUS PRINTING LEVELS ON EACH HALF, TO OBTAIN COPIES AT DIFFERENT DENSITY LEVELS. THESE VARIOUS COPIES WERE EVALUATED AND THE OPTIMUM DENSITY LEVEL SELECTED. THESE SAMPLES ARE TO BE USED FOR P.I. EVALUATION. IN ADDITION, A LOW GAMMA DUPLICATE OF THE TRENTON O.N. AND A HIGH GAMMA DUPLICATE OF THE EHGA O.N. ARE TO BE SUBMITTED FOR EVALUATION.

THE SENSITOMETRIC CURVE NEARLY COINCIDED IN THE TOE REGION FOR THE INTERMEDIATE PROCESS LEVEL AND THE LOW GAMMA PROCESS.

THE QUALITY OF THESE TEST SAMPLES INDICATES THAT THE LOW GAMMA TECHNIQUE PROVIDES PHOTOGRAPHICALLY ACCEPTABLE IMAGES AT THE SPEED OF

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THE INTERMEDIATE PROCESSING LEVEL. AT THIS TIME, [REDACTED] PROCESSING EQUIPMENT RESTRICTS PRACTICAL FEASIBILITY TO PROCESSING OF LIMITED TEST FOOTAGES ON A NON-INTERRUPTED BASIS. SUBJECTIVE ANALYSIS INDICATES FURTHER TESTING IS WARRANTED.

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END OF MESSAGE

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