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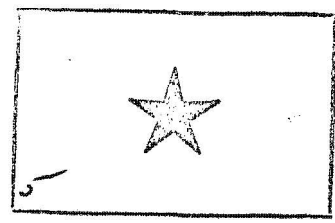
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(S) NATIONAL RECONNAISSANCE OFFICE
WASHINGTON, D.C.

THE NRO STAFF

5 April 1968



awf
MEMORANDUM FOR DR. FLAX

SUBJECT: NASA Plan for Interagency Review of APOLLO 6
Maurer Photography

The attached documents contain the NASA plan for the review of the Maurer photography from the APOLLO 6 mission launched on April 4, 1968.

The COMIREX procedures for screening of this photography are not covered by the NASA plan. Mr. Tidwell, Chairman of the COMIREX, is being held responsible for this screening by the DCI. Mr. Tidwell has appointed a team comprised of representatives of State Department, NPIC, DIA, NASA, and Chaired by [redacted] from his office. Mr. Myron Krueger is the NASA member of this team.

Attached to the NASA review procedures is a memorandum for record concerning NASA policy and procedures for handling APOLLO 6 Maurer photography. Dr. Gilruth signed this memorandum on April 5, 1968.

The APOLLO 6 launch was not a total success and as a result an elliptical orbit was achieved. The Maurer photography was exposed at 196 nautical miles altitude instead of the planned 100 nautical mile altitude. The result of this is that little or no stereo coverage is expected. Also, the ground resolution will be degraded.

The capsule was recovered late on April 4, and it is estimated that the film and camera will arrive in Houston for processing and screening at 2230 hours, April 5, 1968.

No NRO action required at this time.

William E. Williamson
WILLIAM E. WILLIAMSON
Lt Colonel, U.S.A.

Hubert
McCart

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

WASHINGTON, D.C. 20546



OFFICE OF THE ADMINISTRATOR

April 3, 1968

MEMORANDUM FOR: M/Dr. Mueller

SUBJECT: Plan for the Interagency Review of Apollo 6 Maurer Photography

REFERENCE: Memo for M, from ADA, Subject: Earth Photographs from
Apollo 6 and other flights (dated March 7, 1968 (S))

Detailed procedures have been developed by the Office of DOD and Interagency Affairs for conducting the interagency review of Apollo 6 photography. These have been prepared in close coordination with Public Affairs Office, Manned Spacecraft Center, Office of Manned Space Flight and with the interagency review participants.

NASA will fully support the efforts of the review team. MSC will carefully carry out any special instructions regarding handling of the photography recommended by the Interagency Review Team Leader. The NASA participation in supporting the review is being strictly limited to key personnel; the "need-to-know" has been established by Dr. Gilruth for MSC and by my office for Headquarters.

Enclosure 1 outlines a classified interagency review where each step related to the review is specified. Selected personnel, in the Photographic Technology Laboratory (PTL) and elsewhere, who must by the nature of their jobs be exposed to certain facets of the review, will be informed that there will be a classified review and the reason therefore, will be directed not to discuss this review with others not involved, and will be instructed to refer all queries to Dr. Gilruth. Enclosure 2 is the memorandum that will accomplish the above: each reader will sign that he has read and understands the memorandum. The PTL film development, printing, and duplicating procedures will insure to the satisfaction of the Interagency Review Team Leader (IRTL) that he has all the Maurer photography (the original and two duplicates), in his possession at the time of the review. All instructions regarding the release or classification of the photography will be in the form of a signed memorandum from the IRTL to Dr. Gilruth. These

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instructions must be carefully followed. Any issues that are raised can best be resolved after the review. If certain frames have a sensitivity that cannot be protected adequately by a SECRET classification these frames will be removed and taken to Washington for appropriate action.

If details in the enclosed procedure are in conflict with existing procedures, this instruction will have precedence. For example, the Public Affairs plan states that several Public Affairs personnel will have access to the PTL at all times. The enclosed procedure calls for very limited and controlled access to the PTL until the review is completed.

The Office of Manned Space Flight is responsible for following the procedures detailed in the enclosures. The Office of DOD and Interagency Affairs is responsible for monitoring the review process and for the NASA interface with the Interagency Review Team.

The authorization NASA has received to obtain the Maurer photography is predicated on an interagency review prior to release of any photography. Subsequent photography from space would most certainly be curtailed if this review is not supported and the release instructions are not carefully followed.

These procedures, while oriented primarily towards Apollo 6 Maurer photography, will provide an outline for subsequent interagency review of future missions.

No public release will be made of the fact of an interagency review, but NASA must be prepared to respond to direct queries by admitting that a review was made. All queries at MSC will be referred to Dr. Gilruth; all others will be referred to Mr. Julian Scheer at NASA Headquarters.

Response to queries will be along the following lines:

- 1) Not all data obtained by NASA is released. In the case of photography, much of it is of limited interest because of cloud cover, poor illumination, ocean coverage, etc. Therefore NASA undertakes

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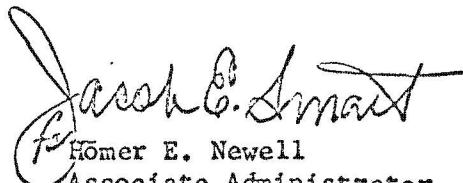
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to select for immediate release those photographs which are of greatest potential interest.

2) NASA reviews all photography for content and will not disseminate photography when national interests so require.

3) Such a review is a cooperative effort between NASA and other government agencies.


Homer E. Newell
Associate Administrator

Enclosures

1. Procedures for the Interagency Review of Maurer 220 G Photography from the Apollo 6 Mission
2. Memo for Record - Policy and Procedures for handling Apollo 6 Maurer Photography

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Procedures for the Interagency Review of Maurer 220 G Photography from
the Apollo 6 Mission

1. Film Recovery

The Command Module (CM) landing is scheduled for 9 hours, 49 minutes, and 45 seconds after launch. Assuming the launch is at 0700 hrs (EST) on April 4, 1968, the water landing will be at 16:49:45 hrs (EST). The location of the primary landing site is 27° 19' N, 157° 11' W.

2. Transport of camera/film to the PTL at MSC

The Photographic Technology Laboratory (PTL) has assigned Mr. Eugene Edmunds, Senior Photographer, and Mr. Victor Rhodar, Photographic Courier, to be onboard the primary recovery ship at the time of the landing. It is planned that Mr. Rhodar will be the courier for returning the Maurer 220 G, with the film remaining in the camera take-up cassette, to Mr. Brinkmann, Chief of the PTL. This delivery will be made in person. Procedures for the removal of the camera from the CM, loading the Maurer 220 G into a shipping container, flying via helicopter to Hawaii, returning by commercial air to Houston and MSC, and delivering the container to Mr. Brinkmann at Bldg 15 bonded storage, have all been coordinated by Mr. Brinkmann with the Landing and Recovery Division, MSC. Contingency plans for returning the Maurer 220 G and its film from other than the planned landing zones are provided for in the "Recovery Documents"

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Enclosure 1

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published by the Landing and Recovery Division, MSC. Mr. Brinkmann has photo couriers on primary, secondary and contingency recovery ships who would receive special instructions for courier duty should a flight anomaly occur.

3. Removing the SO-121 color film from the camera

The film will be removed in the "special access" area of the PTL. Mr. Brinkmann, Mr. Krueger and the Interagency Review Team Leader will witness this operation. Mr. Robert Gray (see PTL access list) was responsible for loading the film prior to the mission and will be responsible for unloading the film. The procedures are as follows:

a. Remove camera case from bonded storage. Transfer the case to MSC Building 8 for opening in a photo laboratory environment. Before IESD and PTL representatives, break the bond seal on the case and verify that the case contains:

Camera, 70-mm, Maurer p220G, NSN 1478B, Serial No. 5300.

Inspect the camera for physical damage. Remove the camera to a darkroom for film unloading and:

- 1) Extinguish all lights in darkroom.
- 2) Open camera and remove exposed film to film storage can.

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NOTE: If exposed film is not properly wound on to the take up reel, close the camera and notify PTL Division Chief and IESD management of any discrepancy before proceeding. PTL and IESD will document by TPS the disposition of the discrepant film

3) Place the film supply spool (containing Radiation Test Roll) of the 70-mm camera in its own can.

4) Seal the can with black tape.

5) Turn room lights ON.

b. Identify each can's contents as to:

1) 70-mm, Type SO-121, Approximate footage

2) 70-mm, supply spool (Radiation Roll)

c. Return the exposed-film cans to the film handling case and close case.

d. Transfer the film case to Mr. Richard Underwood of the PTL Laboratory Branch.

e. Return the camera to Building 15 bonded storage.

f. The Radiation Test Strips will be packaged by PTL for pickup by representatives appointed by the individual manufacturers.

4. Film Processing Procedure - Original film

Starting with this step, there will be a very rigorous procedure followed to limit access of that portion of the PTL involved with processing, printing, and duplicating the Maurer photography, to those on the approved access list who have read and signed the Memorandum enclosed - enclosure 2 (see PTL personnel list below). There will be no PAO personnel in this area at any time prior to the completion of

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the interagency review. Mr. Myron W. Krueger and the Interagency Review Team Leader (IRTL), or his designate, will have access as required. The approved access list is as follows:

MSC

John R. Brinkmann
William S. Forrester
Rudolph A. Davalos
George G. Collins
Jose L. Cambiaso
Thomas V. McGrath
Carmelo (NM) Sustaita
Richard W. Underwood
John W. Holland, Jr.
Fredrick J. Southard
Bobby V. Gray

DATA CORPORATION

Russel R. Zimmerman
Frank A. Pugliano
Larry E. Pinconbe
Kenneth B. Newman

Mr. Charles Buckle, Chief of the Security Branch at MSC, will insure that the above access restriction is enforced.

Processing will be carried out under the personal direction of the Chief, PTL by the Data Corporation. The film will be processed on an Eastman Kodak Company color Versamat Model 1411M Processor using the Kodak EA-4, packaged color-processing chemicals mixed and controlled by the A-V Company under direction of the PTL. The film will be

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processed to match the H & D curve shown in Figure 9 (not included here) according to the recommendations supplied by Eastman Kodak. The KA-4 color developer will be maintained at a pH factor of 11.60. Processing and chemical control will be certified by Data Corporation, A-V Corp., and the Photographic Technology Laboratory.

5. Printing Procedure - two duplicates

When the original color film has been processed it will be printed in two copies on a Bell and Howell 7-mm printer, Model C with titling data printed on the frame edge. These data include mission number, frame number, resolution chart and a sensitometric strip.

Mr. Brinkmann, Mr. Krueger and the IRTL representative will witness this operation to insure only two copies of the original have been made. After printing the two duplicates, the original film will be given to the IRTL representative to hold until the two duplicate prints are processed.

6. Processing the two duplicates

The two duplicates printed in step 5 (above) will be processed concurrently on the High Speed Processor, a custom processor. This step, as is the case in 3, 4 and 5 above, will be witnessed by Mr. Brinkmann, Mr. Krueger and the IRTL representative. Upon completion (estimated 1-2 hours) the two processed duplicates will be turned over to the IRTL and the interagency review is ready to begin.

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7. Interagency Review

The review will be held in Room 137 in Building 226A. The original film and the only two duplicate films printed and processed are in the custody of the IRTL. Dr. John E. Dornbach, Chief, Mapping Sciences Branch will be responsible for providing the space - a room of approximately 30x30 ft., viewing equipment consisting of light tables, a ITEK rear projection viewer, stereo microscopes and white gloves. The Mapping Sciences Branch will also provide maps showing the achieved flight path as follows: 1:500,000 scale domestic maps, and 1:1,000,000 scale ONC's of foreign areas. The individual team members will be responsible for providing small magnifiers and hard-held stereoscopes, etc.

Access to this room will be limited to the following:

Dr. Gilruth
Mr. Piland
Mr. Purser
Dr. Dornbach
Mr. Brinkmann
Mr. Buckle
Mr. Puffer
Mr. Krueger

plus the Interagency Review Team.

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Dr. Dornbach and Mr. Buckle will provide safe storage facilities as required by the IRTL.

The detailed procedures to be followed in conducting the review are the responsibility of the IRTL, but the following general procedures will be followed:

- 1) The original color film will be handled with great care and will not be used for general viewing or screening. It will be used only for color balance and resolution checks on a very limited basis.
- 2) One duplicate film will be used for the "work dupe" during the screening and will be the duplicate film retained by the Interagency Review Team for later use by the represented governmental agencies. The same security guidelines the review team imposes on NASA's use of the photography will apply. This duplicate film will be for governmental use only, no public releases may be made from this duplicate.
- 3) The remaining duplicate film will not be used by the review team. It was prepared concurrently with the duplicate film above to save time in preparing a duplicate film for PAO screening. It will be returned with the original film to the Director together with a memorandum stating the conditions of release.

The review team will be conscious of the PAO interests of releasing photography as soon as possible.

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8. Various Release Modes

- a) All photography may be used without restrictions.
 - 1) A memorandum stating this will be sent to the Director, MSC together with the original film and the PAO duplicate.
 - 2) The memorandum will be SECRET and will be signed by the IRTL.
 - 3) Dr. Gilruth will inform the PTL and PAO when screening may commence
 - 4) The review team has completed its assignment
- b) A few-not all-of the frames must be classified SECRET.
 - 1) A memorandum stating which frames are classified SECRET will be sent to the Director together with the original film and the PAO duplicate.
 - 2) The memo will be SECRET and will be signed by the IRTL.
 - 3) Dr. Gilruth will inform the PTL of the classification requirement. Mr. Brinkmann will supervise the removal of the classified frames and will appropriately stamp the frames SECRET, log them, and provide for their use within the constraint of the classification.
 - 4) A spacer will be spliced into the section of the film roll that had contained the removed frames that will state:
"Frame Number(s) _____ to _____ have been removed by the Director, MSC in the national interest".

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- 5) PAO screening may commence.
 - 6) The review team has completed its assignment.
- c) A few - not all - the frames must be physically removed from the roll.
- 1) A memorandum will be sent to the Director, MSC together with the photography with the required frames removed from the original and from both of the two duplicates.
 - 2) The removed frames will be retained by Mr. Krueger for return to NASA HQ.
 - 3) Removed frames will remain in NASA HQ. custody and will be controlled as required.
 - 4) Then as 'b/4, 5, & 6 above.
- d) All frames of photography are determined to be SECRET.
- 1) A memorandum stating this fact will be sent to the Director, MSC together with the original film and the PAO duplicate
 - 2) The memorandum will be SECRET and will be signed by the IRTL
 - 3) Dr. Gilruth will cancel the PAO review
 - 4) Mr. Brinkmann will appropriately control all photography
 - 5) Mr. Krueger will coordinate with NASA HQ., Dr. Gilruth and the IRTL regarding the problems associated with not having film releasable for public affairs purposes.

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e) All photography is sensitive and cannot be released to MSC

- 1) A memorandum stating this fact will be sent to the
Director, MSC
- 2) The memorandum will be SECRET and will be signed by the
IRTL
- 3) Dr. Gilruth will cancel the PAO review and the science
review
- 4) Mr. Krueger will coordinate with NASA HQ., IRTL and
with Dr. Gilruth
- 5) All photography will be given to Mr. Krueger to control
and he will return with the photography to Washington.
- 6) The review team has completed its assignment.
- 7) NASA will immediately discuss the issue with appropriate
agencies for resolution so that final disposition of the
photography may be arranged.

9. In conclusion, it will be the responsibility of the Office of DOD and Interagency Affairs to monitor the entire interagency review process and to prepare a critique of the review. The experience gained in this first formal review will be used to prepare the procedures to be followed in the future.

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
WASHINGTON, D.C. 20546

OFFICE OF THE ADMINISTRATOR

MEMORANDUM FOR THE RECORD

SUBJECT: Policy and Procedures for handling Apollo 6 Maurer Photography

1. Policy.

Photography of the earth from space is potentially sensitive because a) the "open skies" concept has not yet been accepted by all nations, and b) certain information may be acquired through space photography that has military, political, or other significance.

All space photography of the earth will therefore be subject to review prior to its release or availability outside of NASA.

2. Procedures for Apollo 6 Photographic Review.

a. General. An interagency review of the Apollo 6 Maurer photography will be completed prior to any other examination or utilization. The Director, Manned Spacecraft Center, is responsible for the release of photography from Apollo 6 in accordance with the findings of the interagency review group. If photography is not to be released, it will be classified and will then be handled as appropriate to the assigned classification.

b. Film Processing. The original on-board film will be brought by courier to MSC and will be developed by the PTL; two master duplicates will be printed with titles and frame numbers. Access to the original film and the two duplicates will be limited to PTL staff with SECRET clearance who have read this memorandum and signed the accession list.

c. Review of Film. The two master duplicates and the original film will be turned over to the Interagency Review Team Leader by Mr. Brinkmann. Upon completion of their review, the review team will provide the Director, MSC, with written instructions regarding the level of protection, if any, required for any or all of the film. The original film and one duplicate film, with the written instructions, will be returned to the Director, MSC. If some of the film is classified, the involved frames will be removed from both the original and the duplicate film rolls, and will be handled separately as appropriate to their classification. The PAO screening will not include any classified photography. One duplicate master will be retained by the review team.

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ENCLOSURE 2

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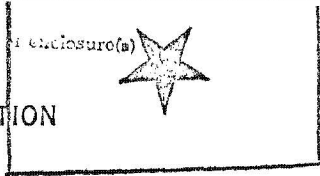
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d. Classification of Review. This memorandum is classified SECRET; its contents and the fact of its existence are both so classified. Any queries concerning film review, classification, editing, etc., are to be referred to the Director, MSC.

Robert R. Gilruth
Director
Manned Spacecraft Center

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
WASHINGTON, D.C. 20546

OFFICE OF THE ADMINISTRATOR

April 3, 1968

MEMORANDUM FOR: Colonel David Carter

Following our telephone conversation of this afternoon, I am forwarding your office a copy of our procedures for handling the Maurer photography on Apollo 6, scheduled for launch tomorrow. Dr. Newell has asked that Dr. Flax be informed of NASA's flight plans and data review procedures.

David Williamson, Jr.
David Williamson, Jr.

Attachments
as stated

SAFSS 135-68

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