

**TOP SECRET**

[redacted]  
 4 March 1963  
 TID/TAB - 32/63

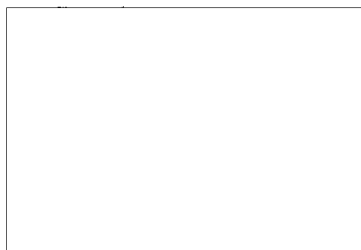
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MEMORANDUM FOR: Chief, Technical Intelligence Division

SUBJECT: Report on Trip to Autometries on 26 February 1963.

1. Meeting held at Autometries was attended by the following:



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2. The package sent to [redacted] by NPIC was opened and each item was discussed in detail, i.e. the orbit ephemeris, original negative, GCT of each stellar exposure and the camera information. From these discussions there evolved a more firm requirement to be complied with by NPIC on future missions. Specifically [redacted] would like the following data until further notice.

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a. Original stellar negative. [redacted] has communicated with E. K. on the delivery of the original negative.

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b. Magnetic tape of the orbit ephemeris. Instead of the hard copy [redacted] would prefer a copy of the orbit ephemeris on magnetic tape. (On 1 March 1963 a magnetic tape of Mission 9050 was forwarded [redacted]) In each case [redacted] is to exchange a new tape for the one given to them. The tape can be air mailed, registered if it is not forwarded by courier.

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c. Correct time on IBM cards + a copy of the corrected binary time cards that are forwarded [redacted] are needed [redacted] also card format.

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d. Preliminary clock correlation i.e. system time and clock time when vehicle was interrogated.

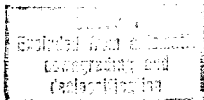
e. Reseau measurements, [redacted] will have to forward IBM cards of stellar resseau to NPIC and NPIC can in turn forward them to [redacted] when mission is successful.

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f. [ ] patio exposures of both "L" & "M" system. [ ] has written specific recommendations as to how the exposures are to be made. (see enclosure) Until such time that the logistics for the patio exposures have been worked out, [ ] will still have need for operational focal length of camera, knee angle and location of the principal point. [ ] is handling the administrative details on the patio exposures.

3. NPIC will receive as a result of [ ] effort the following in appropriate format:

a. A symbol such as 1, 2, or 3 which will indicate whether the pass was ascending, descending or mixed in that order.

b. Pass

c. Frame

d. Pitch

e. Roll

f. Yaw

g. X-meter

h. Y-meter

The yaw, pitch, and roll will be orthogonal values with yaw as primary, pitch as secondary and roll as tertiary. The X-meter and Y-meter values are values that [ ] has as a standard output and represent X & Y deviation from a horizontal plane. The sign of the yaw, pitch and roll are to conform with those previously established in TID. All values to be to the nearest minute of arc.

4. It is recommended that [ ] of ACIC on resseau measurements, nomenclature and identification been used, detailed card format, and method of delivering the data on a timely basis. It may be advantageous that [ ] during the SPIE symposium on 11 - 12 March 1963. It has been since 1959 that ACIC has been visited.

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[REDACTED] is also interested in new instrumentation and production techniques that ACIC has implemented since then.

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[REDACTED]  
Chief, Technical Analysis Branch  
Technical Intelligence Division

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Enclosure

Distribution:

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NPIC/TID/TAB, [REDACTED]

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