

SECRET

IDEALIST

IDEA-3456-66
Copy 8 of 8

21 December 66

MEMORANDUM FOR THE RECORD

SUBJECT : "H" Camera Double Imagery

1. Using as a basis [redacted] 1243 (OUT 49200), dated 16 December 66, (a TWX going to [redacted] with info to Hycon), discussing "H" camera double imagery problem, the writer had telecon on 19 December with [redacted] Hycon "H" camera project engineer.

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2. The following information was received:

a. The double imagery is caused mainly by differential pressure - higher pressure inside Q bay versus lower pressure in outside atmosphere causing a difference in index of refraction. According to [redacted] there is very little loss of information due to this double imagery. At the "peak out" angles of 38° and 53° there is a maximum separation of approx. 5 arc secs between images (about .0016") and it is always normal to line of flight. Between 35° and 41° and between 50° and 56° there is still double imagery, but it is much less.

b. [redacted] indicated there is no practical corrective action that can alleviate this problem. He further stated this problem was forecast and was so indicated in their performance specifications and their planning and development documents.

SIGNED

[redacted]
Sensor Systems Division
Special Activities

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SSD/OSA [redacted] :pca (21 Dec 66)

Distribution:

- 1 - SSD/OSA [redacted]
- 2 - DD/SA [redacted]
- 3 - D/R&D/OSA
- 4 - D/O/OSA
- 5 - IDEA Div/O/OSA
- 6 - SSD/OSA [redacted]
- 7 - SSD/OSA (Chrono) IDEALIST

GROUP 1
Excluded from automatic
downgrading and
declassification