

NO. [REDACTED]

10 May 1965

To: [REDACTED]  
From: [REDACTED]  
Subject: J-23 LIGHT LEAK TEST EVALUATION

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

This system was subjected to the following test conditions:

Using the existing light bank, a 15 minute soak at a distance of 24 inches produces approximately 2000 foot candles. With the system sitting on blocks, nose up, the light bank was raised by crane for exposing both top and bottom of the "A" SRV-Fairing Interface. With the light bank on the floor, soaks were then performed on both sides of the system horizon optics, and directly into the main door openings.

After these 5 soaks, 15 cycles of instrument operation transferred all film between the supply and T/U cassettes into the T/U cassette. All test film, approximately 40 cycles, was retrieved and processed. 4401 film was used.

Examination of the processed film revealed the usual handling marks plus one small fogged area. Since this area was traced to the inside of the "B" bucket during the soak, it was concluded to have resulted from some source other than the soak.

J-23 system is recommended for flight without further light leak testing.

It is further recommended that this test be performed on all subsequent systems with the addition of a soak on top of the main barrel interfaces.

Approved: [REDACTED]  
[REDACTED] Manager  
Operations & Analysis

[REDACTED]  
Performance Evaluation

[REDACTED]