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MEMORANDUM FOR: Chief, Development Branch, DPD

SUBJECT: Minimum Sun Angle Computer

1. In view of recent developments it appears that the problem of using correct sun angles during CORONA missions should be given increased emphasis.

2. Admittedly, the problem of determining correct sun angles for either the planning or execution of these missions is not an exact science. However, there are certain knowns; the time the vehicle is over an exact location, the type film used on the mission, a rough approximation of the terrain, as well as the snow conditions of the area to be photographed during the period of low sun angles. Cloud cover, a very important factor, can only be forecast, the accuracy of the forecast is the limiting factor.

3. It is requested that you investigate the feasibility of constructing a small hand operated computer. This instrument, when using the factors mentioned above, will give the user the minimum sun angle to use for a particular pass.



Lt. Colonel USAF
Chief, Special Projects Branch, DPD



Distribution:



Declassified and approved for release

In Accordance with E. O. 12958

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