



UNCLASSIFIED

INTER-OFFICE MEMORANDUM

DATE

FINAL DETERMINATION  
UNCLASSIFIED  
L. M. Redman  
OCT 24, 1980

TO:

~~CONFIDENTIAL~~

FROM:

SUBJECT:

-2-

position of this tropical influence was expected on May 5 and June 12. This was verified. The next intrusions are expected about July 18 and August 30.

Polar influences may be timed from lag correlation and were expected on May 15, June 21 and sometime between July 25 and 29. The May 15 date verified.

Analysis - July Weather

The trough passages of July 13 are analogous to the trough passages of May 8. Therefore the date of July 12 would correspond to May 7, which was ideal for such an operation. The north-south movement for the July 12 date is not analogous, and it is expected that the intrusion of tropical air will begin on the date of July 13 and should be accompanied by thunder storms along the leading edge of the warm air mass.

On July 18 the tropical air should reach its most northerly displacement and will be deep over this area. Any frontal passages occurring on the dates of July 19 and 20 will not appear at the surface due to the depth of the warm air mass. The first frontal passage which may produce surface activity beyond July 20 is July 25. This means that the mornings of July 18 and 19 will be analogous in both air mass and trough locations and should be favorable days for operation.

The date of July 25 should be active, therefore unfavorable, for operations between the 24 and morning of the 26. The day of the 27 shows a weak surface influence and proper trough location. The mornings of the 27 and 28 may be considered as days favorable for operation, with a period of 96 hours between this trough and the next trough on the 31 which may again be active.

The choice between these two favorable periods appears to rest upon the 18 and 19 as the 27 and 28 lie within the expected polar influence which may release the energy of tropical air and thunder storm activity between the 27 and 31.

It is expected by August 1 the energy in the warm air mass will be released; however, behind the trough passage of the 31 of July the winds will be north of west during August 1 and 2, becoming south of west t August 3 in advance of the weak disturbance of August 4. August 3 may be considered another favorable date. Little activity should occur between August 3 and August 6, and on August 6 a secondary intrusion of warm air may occur with thunder storms along the leading edge.

*J. M. Hubbard*

J. M. HUBBARD

JMH/bsa

cc - K.T. Bainbridge  
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