

4 July, 1944

OPERATIONS ORDER #116
WEATHER ANNEX.

SYNOPTIC SITUATION 1300Z.

Depression over British Isles with a trough of low pressure from England to central North Africa. High pressure wedge over Finland, eastern Europe, eastern Balkans, and Turkey. Trough aloft from England over western Europe to northwest Africa. Azores high extending over western Spain. Occlusion with associated fronts approaching England and Bay of Biscay.

FORECAST:

BASE: Sky: 3/10 high clouds above 20,000'. 4/10 middle clouds with base at 12,000' and tops to 14,000'.

Air-Ground Visibility: 15 to 20 miles.

Upper Winds: 5000' 240 degrees 20 knots.
10000' 250 degrees 25 knots.
15000' 250 degrees 30 knots.

ROUTE: Sky: 3/10 high clouds above 20,000' and 4/10 middle clouds with bases at 12,000' and tops to 14,000' over Apennines, with 4/10 to 5/10 cumulus over Apennines bases 5000' tops 8000' to 10,000'. Remainder of route 3/10 to 5/10 high cloud above 20,000', 3/10 to 4/10 middle clouds with bases at 11,000' tops 14,000' increasing west of Corsica. 4/10 to 6/10 cumulus over Corsica up to 12,000'.

Air-Ground Visibility: 15 to 20 miles.

Upper Winds: 9000' 250 degrees 25 knots.
15000' 250 degrees 40 knots.
20000' 260 degrees 40 knots.

TARGET: Sky: 3/10 to 4/10 high cloud at 22,000'. 4/10 to 5/10 middle clouds between 11,000' and 13,000'. 4/10 to 6/10 cumulus with base at 3000' and tops to 13,000'.

Air-Ground Visibility: 15 to 20 miles. This is a good situation for heavy-persistent vapor trails.

Surface Wind: West to northwest at 12 to 15 mph.

Upper Winds: 20000' 270 degrees 40 knots.
25000' 270 degrees 45 knots.

RETURN: Very similar to route out with cumulus building up over Corsica to 15,000'. Over Apennines 5/10 to 7/10 cumulus with tops to 18,000'. Over base 5/10 to 7/10 high clouds and 4/10 to 6/10 cumulus with base at 6000' and tops to 14,000'. Scattered middle clouds at 13,000'.

ALTERWTE FIELDS: Best alternate fields will be on East and West coasts of Italy.

ALTON BUNDICK
1st Lt., Air Corps,
Asst. Wing Weather Officer.