

MR 005, Sec. 2 -- NATURAL AND PHYSICAL SCIENCES

MR 005, Sec. 2 -- NATURAL AND PHYSICAL SCIENCES

1944 - 1945

Map Room
Bbx 47
Folder 17

DECLASSIFIED

1944 - 1945

DISPATCH

DRAFTER	EXT.	ADDRESSEES	PRECEDENCE
FROM US MILITARY MISSION MOSCOW		ASTERISK (*) MAILGRAM ADDRESSEE	1
RELEASED BY		WAR DEPARTMENT	PRIORITY 2
DATE 25 MARCH 1945			ROUTINE 3
TOR CODEROM 251645Z			DEFERRED 4
DECODED BY		INFORMATION	BASEGRAM 5
PARAPHRASED GREENE	CHEKULKA		PRIORITY 9
BY DITBOWERS	BY DITBOWERS		ROUTINE 10
ROUTED BY			DEFERRED 11
UNLESS OTHERWISE INDICATED THIS DISPATCH WILL BE TRANSMITTED WITH DEFERRED PRECEDENCE AND AS ADMINISTRATIVE.			BASEGRAM 12
M 23417	24 MARCH 1945	NCR 12169	13
CM-IN-2658g			14
			IF OPERATIONAL CHECK BELOW 15
			<input type="checkbox"/> 16

Originator fill in DATE AND TIME GROUP (Use G. C. T.)

ON OUTGOING DISPATCHES PLEASE INDICATE IN THE BEGINNING TEXT (HEAD FROM ARMY VIA SCRAMBLER)

TO SECY JOINT CHIEFS OF STAFF FROM DEANE M 23417.

SOVIET HYDROMET SERVICE PREPARING TO INTRODUCE COMBINED METEOROLOGICAL COMMITTEE KEY GROUPS IN Khabarovsk BULLETINS 1ST MAY.

REFERENCE YOUR WAR 53541 OF 15 MARCH. INSTRUCTIONS ON FUTURE EDITIONS J 1235 SERIES SHOULD BE ACCOMPLISHED. COPIES OF CODE FORM REFERENCED IN YOUR LAR 42397 OF 24 FEBRUARY NOT RECEIVED TO DATE. QUESTION IMPORTANCE OF ASKING SOVIETS TO AGAIN ALTER CODE FORM. BELIEVE OUR INTERESTS WILL BENEFIT IF SOVIETS ARE PERMITTED TO RETAIN ALL PRESENT CODE FORMS IN ORDER THAT PRIMARY ATTENTION MAY BE GIVEN TO INCREASING QUALITY AND CONTENTS OF PRESENT EXCHANGES.

COMINCH - COPIES 1-8 INCL

DTG 24/1745Z

DECLASSIFIED
 JCS memo, 1-4-74
 By RHP, NLR, Date **MAY 15 1974**

ACTION: 1-64

No. 1 ADMIRAL. No. 2 FILE. No. 3F-J OR CHARTROOM. No. 4 SPECIAL.



WAR DEPARTMENT
CLASSIFIED MESSAGE CENTER
INCOMING CLASSIFIED MESSAGE

Adm

[REDACTED] TOT

W
RS

From: US Military Mission, Moscow, Russia

To: War Department

NR: M 23346

21 March 1945

To Secy Joint Chiefs of Staff from Deane, M 23346.

Soviet weather service has been assigned 10 additional planes for weather reconnaissance work but urgently need radio altimeters for them. Information requested:

A. Can 10 radio altimeters be forwarded air freight in near future? Type similar to those on Boston A-25 received through Lend Lease.

B. Cost of each instrument.

C. Most expeditious procedure for procurement.

This equipment will be used on planes which will increase contents of Khabarovsk weather bulletins and special consideration should be given to immediate delivery.

Advise.

ACTION: JC/S

INFO: Adm. Leahy
CG AAF
OPD
Adm. King

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JCS memo, 1-4-74

By RHP, NLR, Date

MAY 15 1974

CM-IN-22643

(21 Mar 45)

DTG 211600Z

rmw

[REDACTED]

32

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WAR DEPARTMENT
CLASSIFIED MESSAGE CENTER
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*Adm
Col*

[REDACTED] "AMUG"

J.P.

From: US Military Mission, Moscow, Russia
To: War Department
No. M 23341 21 March 1945
To Secy Joint Chiefs of Staff from Deane M 23341.

Soviet weather officials advise that Soviet Academy of Sciences sending invitations to Doctors Reichelderfer, Rossby and Bernard to attend Jubilee Session in Moscow during spring season. Weather officials hope invitations will be accepted thus permitting fulfillment of delayed visit to installations of Soviet Hydromet Service by this group coincident with foregoing. Captain Speransky proposes latter half of April as good time to arrive in Moscow. Advise.

END

ACTION: JC/S
INPO : Adm Leaby, CG AAP, OPD, G-2, Adm. King

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JCS memo, 1-4-74
By RHP, NLR, Date MAY 15 1974

CM- IN-22491 (21 Mar 45) DTG 211437Z mlc

[REDACTED]

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[REDACTED] VI

From: CG Alaskan Department Rear Echelon Fort Richardson, Alaska
To: War Department
CG Alaskan Department Advance Command Post, Adak, Alaska
Field Headquarters 11th Air Force, Adak, Alaska
Nr: AX 15644 21 February 1945

Joint Chief of Staff action info to Nimitz, Wood, Fletcher, COMGEN Adv CP Als Dept and Johnson reurad WARX 38403 AX 15644.

Conference at Fort Richardson 25th January recommended Coast Guard take over Nikolski, St Matthew and St Paul since Coast Guard advised they will have qualified weather observers, all three stations primarily Coast Guard installations.

Accomplishment of this recommendation would eliminate supply and administration problems of Army with no increase to Coast Guard.

Weather Bureau requested operate station at Nunivak since no other Army installation this location. Believe civilian personnel now at Nunivak could perform duties.

Cordova is CAA field with no Army personnel other than weather which puts that station in same category as Bethel and McGrath. Sitka weather reports now made solely for civilian airline believe this service should be prepared by Weather Bureau. Coast Guard representative stated that meteorological personnel will be available this spring or summer.

End

ACTION: JC/S.
INFO : CG AAF, OPD, G-2, Adm. King, Cof S.
CM-IN-21546 (21 Feb 45) DTG: 210038Z ngr

[REDACTED]
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OED Letter, 5-3-72
MAY 15 1974

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WAR DEPARTMENT
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[REDACTED] TOT

From: US Military Mission, Moscow, Russia
To: War Department
No: M 22727 15 February 1945
To JCS info Kuter sgd Deane [REDACTED] M 22727.

Proposal for improvement of weather reports from Siberian areas has been submitted to Soviet Meteorological Office by Olsen with following recommendations:

- A. Take immediate steps to improve the average daily reports from the present Siberian stations with equipment now installed.
- B. Review the equipment of the present stations for adequacy, and prepare a list of additional equipment required to improve reports. Note: The US will provide needed equipment.
- C. Select as many as possible of additional stations indicated in enclosures (A), (B), and (C), including those for upper air soundings, and prepare to set them up with Soviet personnel and US equipment as rapidly as equipment is received. Note: Effort will be made to start shipment of equipment as soon as possible after the number and type of stations you will establish is determined and transmitted to the US Military Mission.
- D. Authorize immediate entry to Moscow of a US Army Air Force Technical Training Staff, with a complete set of meteorological and communication equipment which

CM-IN-16017 (16 Feb 45)

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100 8880, 1-4-74
BY AWP, ALR, Date MAY 15 1974

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WAR DEPARTMENT
CLASSIFIED MESSAGE CENTER
INCOMING CLASSIFIED MESSAGE

[REDACTED] TOT

[REDACTED]
[REDACTED]
Page 2

From: US Military Mission, Moscow, Russia

No: M 22727

15 February 1945

would be set up in Moscow for the instruction of Soviet personnel in its installation, use and maintenance.

E. Establish a training program for Soviet personnel.

End

ACTION: JC/S

INFO: Adm Leahy
Gen Arnold
Gen Hull
Adm King
C of S

DECLASSIFIED
JCS memo, 1-4-74
By RHP, NLR, Date

MAY 15 1974

CM-IN-16017 (16 Feb 45)

DTG 151515Z

bmf
[REDACTED]

13

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WAR DEPARTMENT
CLASSIFIED MESSAGE CENTER
OUTGOING CLASSIFIED MESSAGE

Joint Chiefs of Staff JMC/
JVB 77795

19 January 1945

US Military Mission
Moscow, Russia

Number: WAR 23801

For Deane Moscow from Joint Chiefs of Staff

Conferences with Ryzhkov indicate Canadian government has stated negotiations to initiate Canadian Soviet exchange of weather bulletins. Believe this could be more economically and expeditiously handled by informing Canadians of existing exchanges and allocating effective weather ciphers for their use. This arrangement would prevent duplication of facilities and permit channeling of additional resources into improvement of existing exchanges. Necessary steps are being taken here to present these views to Controller Canadian Meteorological Service. This forwarded for your information. Ryzhkov agrees and also advising General Federov.

End.

DECLASSIFIED

JCS memo, 1-4-74

By REP, NLR, Date MAY 15 1974

ORIGINATOR: JC/S

INFORMATION: Adm Leahy
CG AAF
OPD
Adm King
C of S

CM-OUT-23801 (Jan 45)

DTG 200037Z of

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[REDACTED] "TOT"

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JCS memo, 1-4-74

By RHP, NLR, Date MAY 15 1974

From: US Military Mission, Moscow, Russia

To: War Department

No: MX 22276 6 January 1945

For Combined Chiefs of Staff repeated to Central District United Kingdom Base Section, London for the British Chiefs of Staff from Archer and Deane MX 22276 Crypto WAR please pass to United Kingdom Base Section, London.

The proposals contained in WARX 70016 of 29 November with regard to the removal of weather security measures were transmitted to the Deputy Chief of the Red Army General Staff on 30 November 1944.

A reply was received from the Soviet General Staff today stating that they believe that it is now too early to consider and decide questions regarding the removal of weather security measures following the defeat of Germany. Their reply states that a decision on this matter will depend upon the situation which exists at the time of Germany's collapse.

End.

Note: This message has been relayed to London by War Department Code Center per Originator's request.

ACTION: CC/B

INFO: Adm Leahy OPD Adm King
CG AAP G-2

CM-VN-5460 (6 Jan 45) DTG: 06/1035Z pa

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WAR DEPARTMENT
CLASSIFIED MESSAGE CENTER
INCOMING CLASSIFIED MESSAGE

[REDACTED] TOT

[REDACTED]

From: US Military Mission in Moscow, Russia

To : War Department

Nr : M 21990 9 December 1944

To Secy Joint Chiefs of Staff from Deane M 21990.

Red Navy answers to COMNORPAC recommendations is
WAR 55467 of 1st November to me are in ALUSNA Moscow 051510
which should have been addressed JCS.

End

DECLASSIFIED

JCS memo, 1-4-74
By RHP, NLR, Date MAY 15 1974

NOTE: 051510 is CM IN 7025 (7 Dec 44) JC/S

ACTION: JC/S

INFO : Admiral Leahy, General Arnold, General Hull,
General Bissell

CM-IN-9589 (10 Dec 44) 1025Z m/m

[REDACTED]

COPY NO.

25

.005

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24-78724

DISPATCH

DRAFTER	EXT.	ADDRESSEES	PRECEDENCE	
FROM ALUSNA MOSCOW	<i>[Handwritten Signature]</i>	ASTERISK (*) MAILGRAM ADDRESSEE	1	
RELEASED BY		CNO *	PRIORITY 2	
DATE DEC 6 1944			ROUTINE 3	
TOR CODEROM 052350			R R R R DEFERRED 4	
DECODED BY	SMITH/MONTGOMERY	<i>[Handwritten Initials]</i>	BASEGRAM 5	
PARAPHRASED KIMBRELL			CHECKED BY	BASEGRAM 6
BY SMITH/MONTGOMERY			BY MONTGOMERY	BASEGRAM 7
ROUTED BY			BY	BASEGRAM 8
UNLESS OTHERWISE INDICATED THIS DISPATCH WILL BE CLASSIFIED WITH DEFERRED PRECEDENCE AND AS ADMINISTRATIVE.			IF OPERATIONAL CHECK BELOW	
051510		NCR 4338	<input type="checkbox"/>	

Originator fill in DATE AND TIME GROUP (Use G. C. T.)

ON OUTGOING DISPATCHES PLEASE LEAVE ABOUT ONE INCH CLEAR SPACE BEFORE BEGINNING TEXT

TOP SECRET

REGARDING RECOMMENDATIONS IN WAR 55467 OF 1 NOV FROM JCS TO DEANE. SOVIET NAVAL STAFF HAS AGREED TO START INCREASED

OPERATION OF BEACON ON CAPE LOPATKA WITH VIEW TO REACHING 24 HOUR SERVICE AS SOON AS EQUIPMENT IMPROVED TO STAND LONG

CONTINUOUS SERVICE. THEY ARE SENDING A NEW MOTOR AT ONCE AND ESTIMATE SOME IMPROVED OPERATION WILL START WITHIN 10 DAYS.

REGARDING KOMMANDORSKIS THEY AGREE TO INSTALL ANY RADIO NAVIGATION AIDS WE WISH THERE AND OPERATE SAME IF WE WILL

FURNISH EQUIPMENT WHICH NOW NOT AVAILABLE TO THEM. REQUEST INFO WHERE AND WHAT AIDS YOU WANT INSTALLED AND WHEN EQUIP-

MENT AVAILABLE IF YOU CAN PROVIDE SAME. ADMIRAL ALAFUZOFF INDICATED NO CONCERN OVER JAP REACTION TO ABOVE

• HAS NOT BEEN DELIVERED TO CNO.

COMINCH: COPIES 1 - 8 INCL.

No. 1 ADMIRAL. No. 2 FILE. No. 3F-1 OR CHARTROOM. No. 4 SPECIAL.

ACTION: F-1

TOP SECRET

Handle only in accordance with "Top Secret" instructions contained in Article 76, Navy Regulations. COPY NO.

005
OPNAV 19-78

051510

04

WAR DEPARTMENT
CLASSIFIED MESSAGE CENTER
OUTGOING CLASSIFIED MESSAGE

Combined Chiefs of Staff
77500

29 November 1944

U S Military Mission,
Moscow, Russia

Commanding General,
United Kingdom Base Section,
London, England

DECLASSIFIED

JCS memo, 1-4-74
By RHP, NLR, Date

MAY 15 1974

Number: WARK 70016

Book Message to General Deane and Admiral Archer for action, repeated to Central District United Kingdom Base Section London pass to British Chiefs of Staff for information, from the Combined Chiefs of Staff.

1. The Combined Chiefs of Staff have agreed that on the cessation of hostilities against Germany weather security measures can be removed in areas not related to the war against Japan.

2. After the cessation of hostilities with Germany, final authority will be required before the lifting of the ban in order to ensure that no assistance is given to enemy shipping and aircraft that might be still at large. Combined Chiefs of Staff would propose a date for concurrence by Russians.

3. Following are Combined Chiefs of Staff proposals:

A. That after cessation of the war in Europe all restrictions on the dissemination of weather information originating in or pertaining to the following areas be removed:

- (1) All Europe.
 - (2) All Asia west of 60 degrees east except that coastal strip of Persia 50 miles wide from Bandar Abbas to
- CM-OUT-70016 (29 Nov 44)

John Leahy

005

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16-50000-1 GPO

WAR DEPARTMENT
CLASSIFIED MESSAGE CENTER
OUTGOING CLASSIFIED MESSAGE

Number: WAXX 70016 29 November 1944 Page 2

60 degrees east and the coastal strip of Arabia 50 miles wide from Hodeida to Ras El Hadd.

(3) All Africa except the east coast strips, viz., the coastal strip 100 miles wide from the Cape of Good Hope to the southern boundary of Portuguese East Africa and the coastal strip 50 miles wide from the northern boundary of Portuguese East Africa to 15 degrees north.

(4) All inland seas enclosed in the above areas including the Red Sea and the Persian Gulf.

(5) The north Atlantic and Arctic Oceans between 60 degrees east and 168 degrees west.

(6) South Atlantic and Antarctic Oceans between 18 degrees 30 minutes east and 74 degrees west.

(7) Greenland.

(8) All continental North and South America, including all of Alaska except the Aleutian Islands and that portion of the Alaskan Peninsula south of 58 degrees north and west of 158 degrees west.

B. That the effective date for removal of weather security measures in the above areas be decided after the cessation of hostilities in Europe.

C. That the concurrence of the U.S.S.R. in these proposals be obtained.

4. You should obtain Russian concurrence to the above proposals.

End.

ORIGINATOR : CC/S

INFORMATION: Adm. Leahy
OG AAF
OPD
G-2

CM-OUT-70016 Adm. King
(29 Nov 44) 1828Z by

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JCS memo, 1-4-74
By RHP, NLR, Date

MAY 15 1974

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16-20000-1 GPO

455

WAR DEPARTMENT
CLASSIFIED MESSAGE CENTER
OUTGOING CLASSIFIED MESSAGE

[REDACTED]

Joint Chiefs of Staff
77795

22 November 1944

Commanding General
US Military Mission to USSR
Moscow Russia

Number WAR 66892

For Deane Moscow from Joint Chiefs of Staff

Representatives of United States Army and Navy meteorological offices met on 20 November with Commander Ryzhkov, Soviet meteorological representative in Washington attached to Soviet Embassy here. It was pointed out to Soviet representative that United States agencies wished to draw complete northern hemisphere maps daily and it was therefore desirable that Soviet broadcasts include as frequently as communications will allow reports from stations in central Russia which were agreed upon in Washington-Moscow exchange plans. He was also shown that the ten to fifteen points pertaining to upper air data which were being received made it difficult for United States meteorologists to prepare a satisfactory picture of eastern hemisphere upper air conditions. He explained that Soviets do draw an isopleth analysis with height and temperature contours for the 500 and 700 millibar levels as do the United States agencies, and agreed that by extrapolating data from an analysis representative points well distributed could be made available for exchange using Soviet raw data code as at present. United States representatives pointed out to Commander Ryzhkov that we were not placing any specific requests with him which we expected that he would relay to General Fedorov but that we would continue to use channel with your headquarters in order to arrange any changes in present United States Soviet Weather Exchange.

End

ORIGINATOR: JC/S
INFORMATION: CGAAF OPD G-2 Adm King

CM-OUT-66892 (22 Nov 44)

2206Z

bem

[REDACTED]

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JCS memo, 1-4-74
By RHP, NLR, Date

MAY 15 1974

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WAR DEPARTMENT
CLASSIFIED MESSAGE CENTER
OUTGOING CLASSIFIED MESSAGE


Joint Chiefs of Staff 77795

22 November 1944

Commanding General
Mediterranean Allied Air Forces
Caserta, Italy

Commanding General
Allied Force Headquarters
Caserta, Italy

Number: WARX 67136

Action to McNarney pass to Schuyler info to Baker from
Joint Chiefs of Staff site Office Strategic Services Message
number 11174 dated November 14 and reply thereto Office
Strategic Services Message number 14404 dated November 17.

Here informed that United States personnel are furnishing
Italian weather information to Staff of Second Ukrainian
Army in Roumania. Soviets have been asked to make formal
request for this service through U S Mission, Moscow.
As soon as this is received, your Headquarters will be no-
tified. Meanwhile, only such weather data as is presently
being supplied to Soviet agencies in Roumania should
continue and no new exchanges should be set up through local
coordinations. Soviets are desirous that all such matters
be referred to Moscow for approval.

End.

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JCS memo, 1-4-74

By RHP, NLR, Date MAY 15 1974

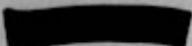
ORIGINATOR: JC/S

INFORMATION: CG AAF, OPD, G-2, Adm. King

CM-OUT-67136

(23 Nov 44) 0215Z

ef


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16-59500-1 GPO

WAR DEPARTMENT
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[REDACTED]

Joint Chiefs of Staff
CSP 2405 77500

22 November 1944

Supreme Headquarters
Allied Expeditionary Forces
Main Echelon
Versailles France

DECLASSIFIED

JCS memo, 1-4-74

By RHP, NLR, Date MAY 15 1974

Number WAR 67097

To Eisenhower from the Joint Chiefs of Staff

The Joint Chiefs of Staff regret there is no vessel available to the United States Navy for the establishment of a weather vessel in the vicinity of latitude 58 degrees north and 20 degrees west, recommended in your 231824 A of October 1944, without utilizing one of those now on an assigned station. The United States Navy now maintains eight weather ships north of 30 degrees north and west of 30 degrees west, one of which is 58 degrees north 37 degrees west. The British have agreed to maintain one vessel between 49 degrees and 53 degrees north and 20 degrees and 25 degrees west, which has been and is now on that station.

In the opinion of the Joint Chiefs of Staff, the establishment of one additional station in the vicinity of latitude 58 degrees north and 20 degrees west, which has been proposed, is essential for adequate coverage. It is their feeling that the establishment and maintenance of this station should be a British responsibility in view of the present disproportionate ratio of weather vessels furnished by the United States and British Navies and because the proposed location is in British controlled waters. This station, together with those presently established ship reporting stations, will provide more complete coverage of weather conditions over the north Atlantic. The views of the Joint Chiefs of Staff are being communicated to the British Chiefs of Staff.

End

ORIGINATOR: JC/S
INFORMATION: CGAAF OPD G-2 Adm King

CM-OUT-67097 (23 Nov 44)

0134Z

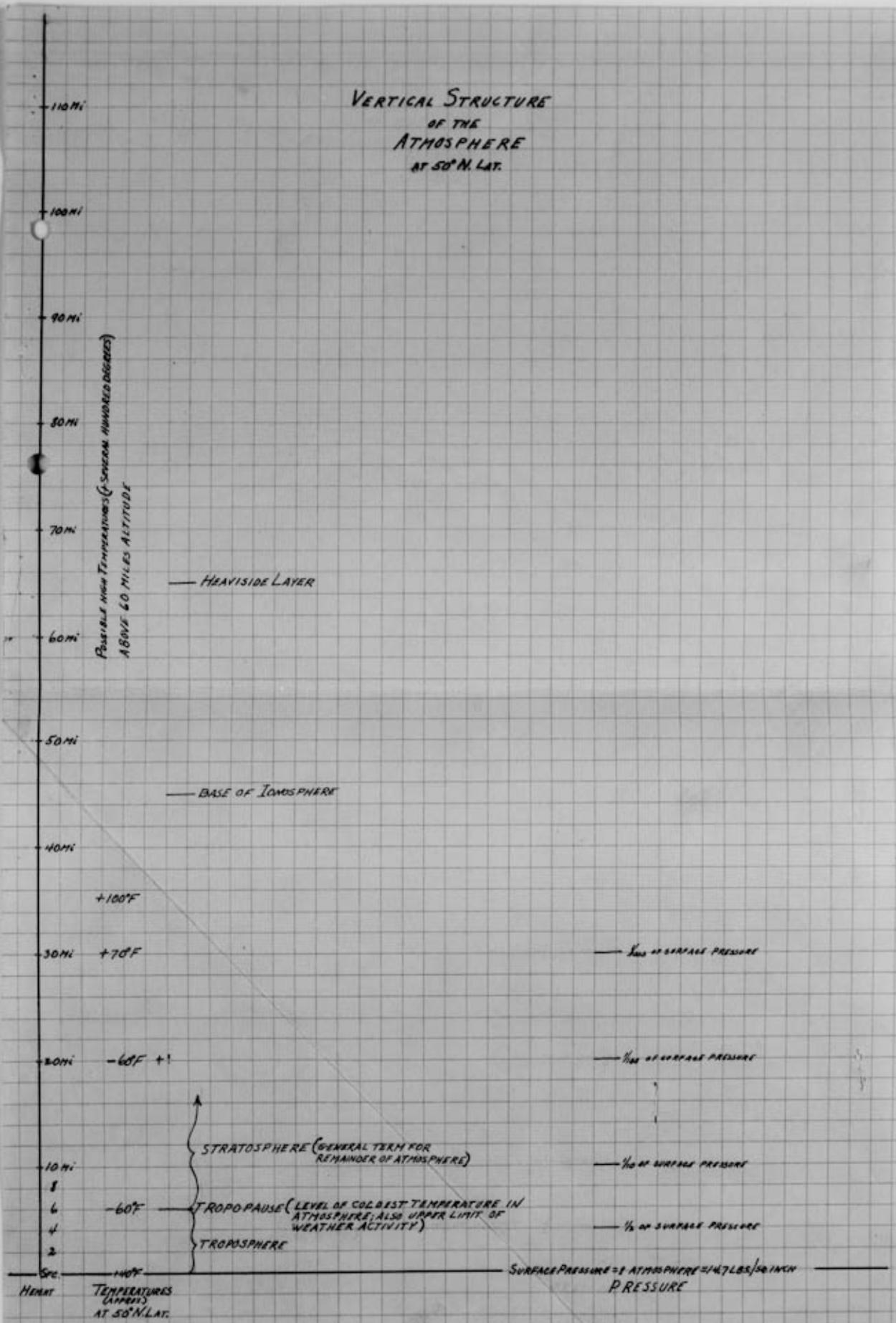
bem

[REDACTED]

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VERTICAL STRUCTURE OF THE ATMOSPHERE AT 50° N. LAT.



Possible high temperatures (some hundred degrees) above 60 miles altitude

WAR DEPARTMENT
CLASSIFIED MESSAGE CENTER
INCOMING CLASSIFIED MESSAGE

[REDACTED] TOT

From: US Military Mission, Moscow, Russia

To: War Department

Nr: M 21657

9 November 1944

To Secy Joint Chiefs of Staff from Deane M 21657.

Soviets willing and able to add 23 stations to Khabarovsk bulletins in exchange for similar increase in San Francisco bulletins. Ref AGWAR 59227 of 8 November.

Following is list of proposed additional Soviet stations:

Index Number	Name	Latitude	Longitude	Height above sea level in meters
212	Sretensk	52 15	117 43	449
214	Hilok	51 25	110 33	814
215	Barguzin	53 37	109 38	482
217	Irkutsk	52 20	104 13	437
241	Vitim	59 27	112 35	200
252	Skovorodino	53 58	123 57	396
263	Blagoveschensk	50 16	127 30	143
264	Komsomolsk	50 33	136 59	29

CM-IN-8848 (10 Nov 44)

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JCS memo, 1-4-74
By RHP, NLR, Date

MAY 15 1974

005

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WAR DEPARTMENT
CLASSIFIED MESSAGE CENTER
INCOMING CLASSIFIED MESSAGE

Page -2-

From: US Military Mission, Moscow, Russia

Nr: M 21657

9 November 1944

Index Number	Name	Latitude	Longitude	Height above sea level in meters
253	Ekimchan	53 05	132 58	475
920	Amga	60 54	131 59	1000
936	Jarjen	69 50	122 50	
270	Chaun	69 47	170 30	
850	Mis Vankarem	67 50	175 51W	
932	Newrba	63 17	118 20	146
239	Newya	60 32	116 14	150
235	Isitskoye	60 49	125 19	125
909	Sangar Haya	63 58	127 40	70
914	Churapcha	62 02	132 36	179
913	Krestholjai	62 49	134 26	117
915	Okhotsky Perevos	61 52	135 30	
941	Seskilah	72 16	114 25	
940	UST Olenek	72 59	119 49	
222	Ostrov Ketelni	76 00	137 54	10

CM-IN-8848 (10 Nov 44)

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JCS memo, 1-4-74
By RHP, NLR, Date

MAY 15 1974

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WAR DEPARTMENT
CLASSIFIED MESSAGE CENTER
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Page -3-

From: US Military Mission, Moscow, Russia

Nr: M 21657

9 November 1944

Stations desired in San Francisco are requested to be within limits 90 to 180 degrees East, and 10 to 40 degrees North. Advise.

End

DECLASSIFIED

JCS memo, 1-4-74

By RHP, NLR, Date MAY 15 1974

ACTION: JCS

INFO : CG AAF
OPD
ADM KING

CM-IN-8848 (10 Nov 44) 0054Z mcs

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WAR DEPARTMENT
CLASSIFIED MESSAGE CENTER
INCOMING CLASSIFIED MESSAGE

[REDACTED] OT

From: US Military Mission Moscow Russia
To: War Department
Nr: M 21700 13 November 1944
To Secy Joint Chiefs of Staff from Deane M 21700

Soviet weather officials report that a US Army Mission in Rumania is negotiating with local Soviet authorities for an exchange of weather between Rumania and Italy plus southern France. They request that all such local arrangements be first referred to Moscow in order to coordinate details.

Advise.

End

ACTION: JC/S

INFO: Adm Leahy
CG AAF
OPD
G-2
Adm King
C of S

DECLASSIFIED

JCS memo, 1-4-74
By RHP, NLR, Date MAY 15 1974

CM-IN-12895

(14 Nov 44)

0108Z

pa

[REDACTED]

COPY No.

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005

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NAVAL MESSAGE

NAVY DEPARTMENT

FROM	EXTENSION NUMBER	ADDRESSEES	PRECEDENCE
FROM	COM 3RD FLEET	ASTERISK (*) MAILGRAM ADDRESSEE	PPRRPPP
RELEASED BY	7 NOV 1944	USS CAPE ESPERANCE USS RENO COMDESDIV 100 CTG 38.2 CTG 30.4	ROUTINE
DATE	1954		DEFERRED
TOR CODEROOM	TURLEY	CINCPAC ALL TGC'S THIRD FLEET	PPRRPP
DECODED BY	TURLEY/ <i>Smith</i>		PRIORITY
PARAPHRASED BY			ROUTINE
ROUTED BY			DEFERRED
UNLESS OTHERWISE INDICATED THIS DISPATCH WILL BE TRANSMITTED WITH DEFERRED PRECEDENCE AND AS ADMINISTRATIVE.			IF OPERATIONAL CHECK BELOW
		071345	NCR 5284
			<input type="checkbox"/>

ORIGINATOR FILL IN DATE AND TIME: DATE TIME GCT

ON OUTGOING DISPATCHES PLEASE LEAVE ABOUT ONE INCH CLEAR SPACE BEFORE BEGINNING TEXT
(RDO HONO PASSED TO COMINCH FOR INFO AS 071718)

(COM 3RD FLEET SENDS ACTION RENO COMDESDIV 100 CTG 38.2 CTG 30.4 CAPE ESPERANCE INFO CINCPAC ALL TGC'S THIRD FLEET.)

TYPHOON CENTER ESTIMATED 2200 I POSITION 7 NOVEMBER
75 mi N.E. Palau
BER LAT 9 N 134 E MOVING APPROXIMATELY 295 SPEED
10 KNOTS. WINDS UP TO 80 KNOTS WITHIN 120 MILE
RADIUS OFFCENTER 30-40 KNOTS 300 MILE RADIUS FROM
CENTER. TASK GROUPS 30.4 AND 38.2 AND CAPE
ESPERANCE PROCEED ON EASTERLY COURSE AND SLOW AS
NECESSARY UNTIL EAST OF STORM CENTER RENO GROUP
CONTINUE ON PRESENT COURSE

ACTION	GCT
F-0	22
F-01	23
F-02	24
F-05	25
F-07	26
F-1	27
F-2	28
F-20	29
F-3	30
F-30	31
F-31	32
F-32	33
F-33	34
F-34	35
F-4	36
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E.O. 11652, Sec. 3(E) and 5(D) or (E)
OBD letter, May 8, 1972
By RHP, NARS Date DEC 12 1973

SECRET

Make original only. Deliver to Code Room Watch Officer in person. (See Art. 76 (4) NAVREGS.)

OPNAV 19-67
005

071345

NAVAL MESSAGE

NAVY DEPARTMENT

DRAFTER	EXTENSION NUMBER	ADDRESSEES	PRECEDENCE
FROM COM 3RD FLT		ASTERISK (*) MAILGRAM ADDRESSEE	1
RELEASED BY	7 NOV 44 0515 <i>[Signature]</i>	3RD FLT CTF 57 CTG 57.14	2
DATE			3
TOR CODEROOM			4
DECODED BY		COM 7TH FLT CINCPAC COMSUBPAC	5
PARAPHRASED BY			6
ROUTED BY			7
			8
			9
			10
			11
			12
			13
			14
			15

UNLESS OTHERWISE INDICATED THIS DISPATCH WILL BE TRANSMITTED WITH DEFERRED PRECEDENCE AND AS ADMINISTRATIVE.

070137

NCR 4731

IF OPERATIONAL CHECK BELOW

ORIGINATOR FILL IN DATE AND TIME: DATE TIME GCT

ON OUTGOING DISPATCHES PLEASE LEAVE ABOUT ONE INCH CLEAR SPACE BEFORE BEGINNING TEXT

HONO INTERCEPT

(COM 3RD FLT SENDS. ACTION 3RD FLT CTF 57 CTG 57.14
INFO COM 7TH FLT CINCPAC WHO PASSED INFO COMSUBPAC.)

ATTENTION DIRECTED MY OPLAN 14-44 ANNEX H PARA 1 B C D AND
PARAS 3, 4 AND 6. EARLIEST POSSIBLE INFORMATION

INDICATIONS OF POSSIBLE TYPHOON FATAL TO CURRENT OPERATIONS.
ANY TG, SHIP OR AIRCRAFT NOT IN COMPANY WITH COMMANDER

3RD FLT BREAK RADIO SILENCE AND REPORT TYPHOON INDICATIONS
IMMEDIATELY UNLESS SUCH VIOLATION OF RADIO SILENCE WILL

JEOPARDIZE COMBAT OPERATIONS IMMEDIATELY IN PROGRESS. ALL
SHORE ACTIVITIES IN WESTERN PACIFIC REPORT TYPHOON

INDICATIONS BY OPERATIONAL PRIORITY DISPATCH IMMEDIATELY.

ACTION	
F-0	21
F-01	22
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F-05	24
F-07	25
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F-3	29
F-30	30
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F-4	35
FX01	36
FX30	37
FX37	38
FX40	39
IG-00	40
VCNO	41
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	52

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E.O. 11652, Sec. 3(E) and 5(D) or (B)

OSD letter, May 3, 1972

By RHP, NARS Date DEC 12 1973

SECRET

Make original only. Deliver to Code Room Watch Officer in person. (See Art. 76 (4) NAVREGS.)

OPNAV 005

070137

008

WEATHER AS RELATED TO MILITARY OPERATIONS ALONG THE
RUSSO-GERMAN FRONT IN OCTOBER, NOVEMBER, AND DECEMBER

REPORT NO. 842

PUBLICATIONS OF THE WEATHER DIVISION
HEADQUARTERS ARMY AIR FORCES

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DOD DIR. 5200.9 (9/27/58)

PUBLICATIONS OF THE WEATHER DIVISION
HEADQUARTERS ARMY AIR FORCES

WEATHER AS RELATED TO MILITARY OPERATIONS ALONG THE
RUSSO-GERMAN FRONT: (IN OCTOBER, NOVEMBER, AND DECEMBER)

REPORT NO. 842

Prepared by the Weather Division
Headquarters Army Air Forces
October 1944

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DOD DIR. 5200.9 (9/27/58)

[REDACTED] ✓

PREFACE

This report was prepared in response to a request from the White House Liaison Officer for a general climatic study of the Russian front for the months of October, November, and December, with emphasis on the factors affecting ground conditions. The report is neither detailed nor exhaustive and is intended to give merely a brief general sketch. All information was derived from previously summarized data on file in the Weather Division Library. Any further interpretations should be made with the concurrence of the Weather Division, Headquarters Army Air Forces; otherwise the Weather Division cannot assume responsibility for those interpretations.

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[REDACTED]

WEATHER AS RELATED TO MILITARY OPERATIONS ALONG THE
RUSSO-GERMAN FRONT* IN OCTOBER, NOVEMBER, AND DECEMBER

INTRODUCTION

In the months under consideration, air flow over eastern Europe is usually from the south or west. This modified maritime air is much more moist and much less cold than the continental air of the interior of Eurasia, which only occasionally breaks out over this area.

In general, military operations encounter most interference by weather during passage of cyclonic storms. Such storms, infinitely variable in structure, intensity, and movement, interspersed with anticyclones and intermediate pressure distributions, sweep eastward across this region in rapid, irregular succession. For this reason, weather along all of the Russo-German front is often extremely variable from day to day. Although fine, clear days are possible in any month, the presence of maritime air and the frequent cyclonic disturbances combine to produce predominantly gloomy weather, with extensive cloud sheets and much fog, rain, and snow.

There is a tendency for weather to improve southward along the front. Although a single storm sometimes blankets the entire area of the front from the Baltic to the Black Sea many storms affect only the north of the area; a few cyclones from the Mediterranean are confined to the south of the area.

GROUND OPERATIONS

The most critical effect of weather on ground operations in this area is the influence of precipitation, evaporation, and temperature on soil trafficability. In additions, temperature, humidity, and precipitation affect

*Discussion is limited to the vicinity of the front as located in early October of 1944.

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maintenance of materiel as well as health and comfort of personnel.

Soil Trafficability

Poor ground conditions can be expected to make cross-country vehicular movements difficult during October, November, and December along the northern sections of the Russian front, and during November and December along the southern portions. Precipitation itself is not heavy, but evaporation of the soil moisture from frequent light precipitation is greatly retarded by low temperatures, persistent cloud cover, and high humidity. Snow cover and periods of thaw further reduce trafficability. Only along the northern sections in December is soil freezing persistent enough to significantly aid trafficability.

Baltic Area.—Poor trafficability conditions are particularly common in this area. There are an average of 15 to 20 days with precipitation during each month, and spells of over 7 consecutive days with precipitation are fairly frequent. Consequently, there is usually little time for the soils to dry between successive periods of precipitation. The predominant soils are loam, clay, and peat types, which hold moisture and are slippery and muddy when wet. Vehicles will frequently mire in the clay and peat soils. The first snow usually occurs during October, and there are periods during November and December when snow cover reduces significantly the speed of cross-country movements. Trafficability is improved during periods of frozen ground and water courses in December, but during the rest of the period alternate freeze and thaw only serve to reduce trafficability.

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Poland Area.—Along this part of the front, trafficability conditions are similar to conditions in the Baltic Area, but somewhat less severe. There are usually 13 to 15 days with precipitation each month, but rainy periods are usually shorter than in the Baltic Area. The soils are somewhat more favorable also, because there are large areas of well-drained, coarse-textured types. However, the valley soils along the main lines of communication are generally peaty and dry out very slowly after precipitation. The first snow may occur in late October, but during many years no snow falls until November. Snow seldom accumulates in sufficient amount to reduce trafficability until December. Monthly temperatures are similar to the Baltic Area, with periodic freeze and thaw reducing trafficability during November and longer freezing periods aiding trafficability in late December.

Balkan Area.—Ground movements should not be seriously hampered by unfavorable trafficability conditions in lowland parts of this area during October. During November and December, trafficability conditions are normally better in the lowlands of this area than in the northern areas. This is due to better soil-drying conditions and prevalence of coarse-textured, well-drained soils. However, snow on the ground, increased cloudiness, and temperatures which produce alternate periods of freeze and thaw will make cross-country vehicular movements difficult during November and December. Freezing of soil or water courses in lowland areas rarely extends to sufficient depth to support cross-country vehicular movements.

Temperature

In October, a few light frosts can be expected along the northern and eastern parts of the front. By December, temperatures below freezing prevail most of the time in the north and in the southern mountains. In the southern lowlands, temperatures below freezing are common at night. Temperatures well below zero are possible along any part of the front in December

Humidity

The air is usually close to saturation in the months under consideration. Relative humidity averages 80 to 90 percent along almost the entire front.

Precipitation

Although precipitation is not normally heavy in this area, the frequent drizzle and showers, often falling when air temperature is close to freezing, provide a serious problem in military operations. In all of the months under consideration, there is either rain or snow on an average of one-half to two-thirds of the days along the northern parts of the front, and on one-fourth to one-third of the days along the southern parts. In October, snowfall is infrequent; by December, most of the precipitation in the north and in the southern highlands is in the form of snow. In the southern lowlands, snow is less frequent than rain.

AIR OPERATIONS

The chief weather factors restricting air operations in this area are low ceilings, poor visibility, and icing.

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Low Ceilings

Heavy cloud formation, produced by the intense cyclonic activity characteristic of this area in fall and winter, severely limits air operations. Cloudiness generally increases from October through December. Widespread and persistent low ceilings are especially frequent in the north, where ceilings below 1,000 feet can be expected about one-half the time in December. In the south, very low ceilings are relatively infrequent; over much of the southern lowlands, ceilings below 1,000 feet can be expected only about one-tenth of the time in the months under consideration. However, throughout the area clear skies are rare. In December, only one clear day (average of less than 35 percent of the sky cloud-covered during the day) can be expected along the northern and central portions of the front, only 3 or 4 clear days along the southern portions

Poor Visibility

Poor visibility, due mostly to radiation fog in the lowlands and to low cloud in the mountains, is generally frequent along most of the front, particularly in December, when many places expect fog on at least one-half of the mornings. Because visibility conditions are subject to extreme local variation, quantitative generalizations cannot be made from available information. Frequencies presented in the table represent conditions in early morning, which is usually the worst time of day for fog and low cloud. Fog and low cloud often lift before noon, although very persistent poor visibility

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occasionally occurs in much of this area.

Iceing

Ice accretion on aircraft is often a serious problem in air operations over the Russian front in the months under consideration. In October, the freezing level is normally about 5,000 feet over the northern parts of the front, about 10,000 feet over the southern parts. In December, the freezing level has dropped to the surface in the north and to about 2,000 feet in the south, lower than many of the mountain ranges. The elevations given are average levels; because of the changing air masses there is often enormous day-to-day variation in the height of the freezing level.

Above the freezing level, planes flying through clouds or precipitation often encounter severe iceing. It is sometimes possible to avoid iceing by climbing into colder air. However, during passage of a cyclonic storm, heavy cloud formation and severe iceing may extend upward to more than 25,000 feet elevation.

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SELECTED CLIMATIC DATA

(All values are averages)

Place and Month	Daily Maximum Temperature, °F.	Daily Minimum Temperature, °F.	Number of Days with Frost.	Total Precipitation, Inches.	Number of Days with Precipitation.	Number of Days with Snowfall.	Number of Days with Snow Cover.	Number of Days with Thunderstorms.	Amount of Cloud Cover, Percent.	Number of Days with Ceilings-1,000 Feet at 2000 L.C.T.	Number of Days with Visibility \leq 1/2 Miles at 2000 L.C.T.	Number of Days with Gales.
Riga (90 feet elevation)												
October	49	39	5	2.1	17	1	2	#	72	9	10	2
November	37	31	15	2.0	18	12	3	#	83	12	18	3
December	27	22	26	1.7	17	14	17	#	85	14	15	3
Königsberg (100 feet elevation)												
October	52	41	3	2.6	16	2	#	#	69	7	6	2
November	41	32	12	2.2	18	6	5	#	80	10	9	2
December	34	26	20	2.0	20	13	17	#	83	13	10	1
Warsaw (400 feet elevation)												
October	54	41	3	1.7	13	1	0	#	69	10	9	0
November	40	32	15	1.4	14	5	1	#	79	14	13	0
December	32	25	23	1.5	15	9	7	0	80	17	15	#
Trafalgar (3,000 feet elevation)												
October	48	38	—	2.1	10	3	—	0	56	—	—	#
November	36	30	—	2.2	14	9	—	0	66	—	—	#
December	31	26	—	2.4	17	13	—	0	65	—	—	#
Budapest (400 feet elevation)												
October	62	44	1	2.6	10	#	0	1	55	3	8	1
November	48	37	3	2.1	13	2	1	#	66	6	14	1
December	39	31	16	1.9	16	7	12	0	71	9	19	1
Debrecen (400 feet elevation)												
October	60	40	6	2.7	10	#	—	1	55	1	5	1
November	46	33	15	2.0	11	3	—	#	68	5	9	1
December	37	26	23	1.6	13	6	—	0	72	6	9	1

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DDO DIR. 5200.9 (9/27/58)

SELECTED CLIMATIC DATA (cont.)

(All values are averages)

Place and Month	Daily Maximum Temperature, °F.	Daily Minimum Temperature, °F.	Number of Days with Frost.	Total Precipitation, Inches.	Number of Days with Precipitation.	Number of Days with Snowfall.	Number of Days with Snow Cover.	Number of Days with Thunderstorms.	Amount of Cloud Cover, Percent.	Number of Days with Ceilings-1,000 Feet at 0800 L.C.T.	Number of Days with Visibility < 1/2 Miles at 0800 L.C.T.	Number of Days with Gales.
Smeged (900 feet elevation)												
October	60	45	2	2.0	9	#	—	#	56	—	—	1
November	47	34	11	1.7	10	2	—	#	67	—	—	1
December	41	31	19	1.7	12	4	—	#	73	—	—	1
Claj (1,000 feet elevation)												
October	58	39	—	1.8	8	#	—	#	48	—	—	1
November	44	30	—	1.2	8	3	—	#	62	—	—	1
December	36	24	—	1.1	9	4	—	0	69	—	—	1
Beograd (900 feet elevation)												
October	65	47	0	2.4	11	#	#	1	51	2	4	1
November	52	39	6	1.9	11	2	2	#	64	6	7	3
December	40	30	18	1.6	14	7	7	0	76	5	8	3
Mis (700 feet elevation)												
October	67	42	3	3.5	10	#	0	1	61	—	3	1
November	51	33	14	1.9	10	1	5	0	66	—	4	2
December	42	26	23	1.5	10	4	10	0	74	—	3	2
Skeplje (800 feet elevation)												
October	68	43	1	2.1	7	1	0	1	52	2	7	—
November	58	40	3	1.9	5	1	2	#	64	5	12	—
December	40	28	12	1.7	10	2	7	0	73	8	15	—

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SELECTED CLIMATIC DATA (cont.)

(All values are averages)

Place and Month	Daily Maximum Temperature, °F.	Daily Minimum Temperature, °F.	Number of Days with Frost.	Total Precipitation, Inches.	Number of Days with Precipitation.	Number of Days with Snowfall.	Number of Days with Snow Cover.	Number of Days with Thunderstorms.	Amount of Cloud Cover, Percent.	Number of Days with Ceilings-1,000 Feet at 0800 L.C.T.	Number of Days with Visibility 2 1/2 Miles at 0800 L.C.T.	Number of Days with Gales.
Seliya (2,000 feet elevation)												
October	62	44	0	2.1	10	1	0	1	26	2	2	1
November	48	33	14	2.1	10	6	4	2	66	4	3	1
December	39	28	21	1.1	9	7	12	2	70	2	3	1
Flodiv (500 feet elevation)												
October	66	48	0	1.5	7	0	—	1	53	—	—	3
November	52	37	7	2.2	10	2	—	0	65	—	—	1
December	43	32	12	1.4	8	2	—	0	69	—	—	1

¹ Frequency greater than zero but less than 1/2 day.

— No data.

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DOD DIR. 5200.9 (9/27/58)

WAR DEPARTMENT
CLASSIFIED MESSAGE CENTER
OUTGOING CLASSIFIED MESSAGE

[REDACTED]
Joint Chiefs of Staff
JMC/JVB 77795

30 October 1944

Commanding General
US Military Mission USSR
Moscow, Russia

Number: WAR 55044

For Deane Moscow from Joint Chiefs of Staff.

Based on 0400Z upper air observations United States upper air analysis will begin 1 November on JJOS 1800Z broadcast. Cite your M 21545 October 29 and our WAR 48923 October 18. When teletype schedule is begun we are prepared to send analysis likewise at 1200Z. Large amounts of traffic including surface analysis now makes broadcast of upper air data at 1200Z unwise.

End

ORIGINATOR: JCS
INFORMATION: CG AAF
OPD
G-2
Adm King

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JCS memo, 1-4-74
By RHP, NLR, Date

MAY 15 1974

CM-IN-55044

(31 Oct 44) 1542Z hrt

[REDACTED]

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16-30600-1 GPO

WAR DEPARTMENT
CLASSIFIED MESSAGE CENTER
INCOMING CLASSIFIED MESSAGE

[REDACTED] "TOT"

From: US Military Mission in Moscow, Russia

To: War Department

Nr: M 21430 19 Oct 1944

Secy Joint Chiefs of Staff from Deane M 21430.

Soviet Weather Service states observations from Bulgaria Rumania and Finland will soon be added to Moscow bulletins.

New subject.

Future test transmissions from Chengtu or similar station will be monitored at Tashkent Irkutsk Chita and Khabarovsk. Soviets tentatively agree to increase Tashkent bulletins to 4 times daily and increase contents. Reference Moscow 21371 of 14 October and Moscow 21246 of 3 October. Investigations being conducted with view to increasing contents Khabarovsk bulletins. Speransky states if future tests from Chengtu are successful and additional broadcast from Chita is possibility for giving data that is not regularly available at Khavarovsk. Request early reply.

End

21371 is CM-IN-13502 (14 Oct 44) JC/S
21246 is CM-IN-2886 (4 Oct 44) JC/S

ACTION: JOINT CHIEFS OF STAFF

INFO : CG AAF
OPD
ADM KING

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JCS memo, 1-4-74

By RHP, NLR, Date MAY 15 1974

OM-IN-18224 (19 Oct 44) 1804Z mcs
[REDACTED]

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WAR DEPARTMENT
CLASSIFIED MESSAGE CENTER
OUTGOING CLASSIFIED MESSAGE

Joint Chiefs of Staff
77795

18 October 1944

Commanding General
U S Military Mission to USSR
Moscow, Russia

Number: WAR 48923

For Deane Moscow from Joint Chiefs of Staff.

Code form for upper air analysis exchange outlined your M 21398 dated 16 October is satisfactory. Will transmit heights of 500 and 700 millibar levels in 10s of feet. Thus 18520 feet would be transmitted as 852 in HHH group. We are prepared to exchange in this form immediately and will begin exchange on date to be set by Soviets. Present analysis in combined analysis code will be discontinued immediately. For key indicator group suggest temporary use of group 88844 which has been assigned by the Combined Meteorological Committee to MESRAN data summary. MESRAN is United States data summary and is the closest approximate group now assigned by Combined Meteorological Committee. Summary of code form to be used now reads 88844 OYZZZ IIRR (XQLLL LLLRR) HHHTT HHHTT. United States RR will be relative height 500 millibar to 1,000 millibar levels in 10s of feet. HHH are heights of 500 and 700 millibar levels in 10s of feet and TT will be temperature in degrees centigrade. All United States heights will be true heights not geodynamic.

End

ORIGINATOR: JC/S

INFORMATION: CGAAF
OPD
G-2
Adm.King

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JCS memo, 1-4-74
By RHP, NLR, Date

MAY 15 1974

CM-OUT-48923

(19 Oct 44)

1527Z

es

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WAR DEPARTMENT
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INCOMING CLASSIFIED MESSAGE

[REDACTED] "TOT"

From: US Military Mission, Moscow, Russia

To: War Department

No: M 21398

16 October 1944

To Secy Joint Chiefs of Staff from Deane M 21398.

Soviet Weather Service ready to exchange barometric topography for seven and five hundred millibar levels using Soviet code form outlined in M 21258 of 3rd October with following modifications:

A. Time and date group to be 0 YZZZ accordance your proposal.

B. Temperature in degrees centigrade in lieu of absolute with 50 added for minus degrees.

C. Area will be 30 degrees eastward to 180th meridian. Only limited by availability of observations.

D. Position group over water areas or where index numbers are confusing or duplicated will be XQLLL-LLRR with latitude and longitude in whole degrees and tenths. When longitude 100 or greater first digit omitted. X identifies these groups.

E. Soviets are willing to receive US data with altitude in feet but prefer use of decameters or yards in 10. Soviets will send their data only with altitude in decameters.

CM-IN-15818

(17 Oct 44)

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JCS memo, 1-4-74

By RHP, NLR, Date

MAY 15 1974

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[REDACTED] "FOI"

Page 2

From: US Military Mission, Moscow, Russia

No: M 21398

16 October 1944

Soviets will not accept code form proposed in ACWAR 42803 of 7th October. Altitude and temperature data must be exchanged for both levels. For this purpose Soviet proposals are simple and well adapted. Experiments being conducted as to time and date first analysis can commence. Soviets will not agree to exchange data only for 500 millibar surface and request their proposals be accepted if US desires barometric topographies. This office recommends that analyses be exchanged in accordance with Soviet proposals which serve the purpose and are simple. Advise.

End

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JCS memo, 1-4-74

By RHP, NLR, Date MAY 15 1974

FOOTNOTE: 21258 is CM IN 2932 (4 Oct) JCS.

ACTION: JCS

INFO : CG AAF, OPD, G-2, Adm King

CM-IN-15818 (17 Oct 44) 0908Z m/m
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CLASSIFIED MESSAGE CENTER
INCOMING CLASSIFIED MESSAGE

[REDACTED] "TOT"

From: U.S. Military Mission, Moscow, Russia
To: War Department
No. M21371 14 October 1944

Secy Joint Chiefs of Staff from Deene M21371.

Soviet Weather Service is anxious for regular weather observations from China and Southeast Asia. It is recommended that test transmissions from 10 kilowatt station in China be arranged and Soviets will be requested to monitor at Khabarovsk and Tashkent. Success of this monitoring will provide ideal opportunity for making further representations to favorably increase contents of Tashkent and Khabarovsk bulletins. Central Forecasting Institute Moscow and weather director at Khabarovsk have specifically requested Allied observation from Southeast Asia. Such opportunity for Soviets to receive this weather data may be sufficient to induce General Federov to explore all possibilities to make special communication arrangements and allocations of additional equipment necessary for increasing contents Khabarovsk bulletins. Reference Moscow M21250 of 3 October. If this meets your approval weather bulletins from China radio station should contain no more than 10 observations four times daily. Contents to be increased only when corresponding increases are reality at Tashkent and Khabarovsk. Advise.

NOTE : M-21250 is CM-IN- 3248 (4 Oct 44) JCS
ACTION: JC/S Encl
INFO : CGAAF, OPD, G-2, Adm. King

CM-IN- 13502 (14 Oct 44) 1533Z wk

[REDACTED]
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JCS memo, 1-4-74
By RHP, NLR, Date

MAY 15 1974

005
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DISPATCH

DRAFTER	F-28	EXT.	83319	ADDRESSEES	PRECEDENCE
FROM	COMINCH	<i>Ji</i> FOR ACTION		CINCPOA	1 PRIORITY
RELEASED BY	C M COOKE				2 ROUTINE
DATE	5 OCTOBER 1944				3 DEFERRED
TOK CODER ROOM	1844				4 BASEGRAM
DECODED BY		INFORMATION			5 PRIORITY
PARAPHRASED BY	JOHNSON				6 ROUTINE
CHECKED BY	DORSEY				7 DEFERRED
DITTOED BY	JOHNSON				8 BASEGRAM

UNLESS OTHERWISE INDICATED THIS DISPATCH WILL BE TRANSMITTED WITH DEFERRED PRECEDENCE AND AS ADMINISTRATIVE. IF OPERATIONAL CHECK BELOW

051822 NCR 471P5

Originator fill in DATE AND TIME GROUP (Use G. C. T.)

ON OUTGOING DISPATCHES PLEASE LEAVE ABOUT ONE INCH CLEAR SPACE BEFORE BEGINNING TEXT

IN CONNECTION PREPARATION CHARTS FOR FUTURE AREAS FOLLOWING PRIORITY HAS BEEN TENTATIVELY ESTABLISHED HERE, NANPO, NANSEI, KURILES AND SELECTED AREAS PHILIPPINES AND CHINA COAST. DO YOU DESIRE PRIORITY FOR TOKYO AND KYUSHU BEACHES. ADVISE.

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 E.O. 11652, Sec. 3(E) and 5(D) or (14)
 OSD letter, May 3, 1972
 By RHP, NARS Data

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No. 1 ADMIRAL. No. 2 FILE. No. 3F-1 OR CHARTROOM. No. 4 SPECIAL.

[REDACTED]

HEADQUARTERS ARMY AIR FORCES
ROUTING AND RECORD SHEET

TALLY NO.	13644
FILE NO.	

SUBJECT: Weather Study of Russo-German Front

TO: AC/AS, OC&R (Weather Division, Special Studies Branch)
Attention: Col. C. F. Tiemann
FROM: Office Chief of Air Staff

DATE 5 October 44

COMMENT NO. 1
RGE/aw/73691

It is requested that a weather study be made of the Russo-German Front per a request from the White House.

ROBERT G. ELBERT
Lt. Colonel, Air Corps
Air Liaison Officer to
White House

TO: Office of Chief of Air Staff
Attention: Air Liaison Officer to White House
FROM: AC/AS, OC&R, Weather Division

DATE 9 Oct 44
COMMENT NO. 2
LHR/bnr/2030

Transmitted herewith ^{are three} ~~to one~~ (3) copies of Weather Division Report No. 842 as requested in Comment No. 1.

CORDES F. TIEMANN
Colonel, Air Corps

1 Incl.
Report No. 842 (in trip)

Receipt to be signed & returned

Franklin D. Roosevelt Library

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DOD DIR. 5200.9 (9/27/85) 1

Weather Study of Russo-German Front

AC/AS, OC&R (Weather Division, Special Studies Branch)
Attention: Col. C. F. Tiemann
Office Chief of Air Staff

5 October 44

RGE/aw/73691

1

It is requested that a weather study be made of the Russo-German Front per a request from the White House.

Signed

ROBERT G. ELBERT
Lt. Colonel, Air Corps
Air Liaison Officer to
White House

RECEIVED

TO: Office of Chief of Air Staff
Attention: Air Liaison Officer to White House

DATE 9 Oct 44
COMMENT NO. 2
LHR/bnr/2030

FROM: AC/AS, OC&R, Weather Division

Transmitted herewith ^{are three} ~~is one~~ (3) copies of Weather Division Report No. 842 as requested in Comment No. 1.

1 Incl.
Report No. 842 (in trip)

CORDES F. TIEMANN
Colonel, Air Corps

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HEADQUARTERS, ARMY AIR FORCES
WEATHER DIVISION
WASHINGTON 25, D. C.

9 October 1944

Date

SUBJECT: Receipt

TO: Commanding General, Army Air Forces,
Washington 25, D. C.

Attention: Weather Division

1. Received from the Weather Division the following listed documents:

Copy of Report No. 842

TO: Office of Chief of Air Staff
Attention: Air Liaison Officer to
White House

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WEATHER AS RELATED TO MILITARY OPERATIONS ALONG THE
RUSSO-GERMAN FRONT IN OCTOBER, NOVEMBER, AND DECEMBER

REPORT NO. 842

PUBLICATIONS OF THE WEATHER DIVISION
HEADQUARTERS ARMY AIR FORCES

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PUBLICATIONS OF THE WEATHER DIVISION
HEADQUARTERS ARMY AIR FORCES

WEATHER AS RELATED TO MILITARY OPERATIONS ALONG THE
RUSSO-GERMAN FRONT (IN OCTOBER, NOVEMBER, AND DECEMBER)

REPORT NO. 842

Prepared by the Weather Division
Headquarters Army Air Forces
October 1944

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PREFACE

This report was prepared in response to a request from the White House Liaison Officer for a general climatic study of the Russian front for the months of October, November, and December, with emphasis on the factors affecting ground conditions. The report is neither detailed nor exhaustive and is intended to give merely a brief general sketch. All information was derived from previously summarized data on file in the Weather Division Library. Any further interpretations should be made with the concurrence of the Weather Division, Headquarters Army Air Forces; otherwise the Weather Division cannot assume responsibility for those interpretations.

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WEATHER AS RELATED TO MILITARY OPERATIONS ALONG THE
RUSSO-GERMAN FRONT* IN OCTOBER, NOVEMBER, AND DECEMBER

INTRODUCTION

In the months under consideration, air flow over eastern Europe is usually from the south or west. This modified maritime air is much more moist and much less cold than the continental air of the interior of Eurasia, which only occasionally breaks out over this area.

In general, military operations encounter most interference by weather during passage of cyclonic storms. Such storms, infinitely variable in structure, intensity, and movement, interspersed with anticyclones and intermediate pressure distributions, sweep eastward across this region in rapid, irregular succession. For this reason, weather along all of the Russo-German front is often extremely variable from day to day. Although fine, clear days are possible in any month, the presence of maritime air and the frequent cyclonic disturbances combine to produce predominantly gloomy weather, with extensive cloud sheets and much fog, rain, and snow.

There is a tendency for weather to improve southward along the front. Although a single storm sometimes blankets the entire area of the front from the Baltic to the Black Sea many storms affect only the north of the area; a few cyclones from the Mediterranean are confined to the south of the area.

GROUND OPERATIONS

The most critical effect of weather on ground operations in this area is the influence of precipitation, evaporation, and temperature on soil trafficeability. In additions, temperature, humidity, and precipitation affect *Discussion is limited to the vicinity of the front as located in early October of 1944.

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maintenance of materiel as well as health and comfort of personnel.

Soil Trafficability

Poor ground conditions can be expected to make cross-country vehicular movements difficult during October, November, and December along the northern sections of the Russian front, and during November and December along the southern portions. Precipitation itself is not heavy, but evaporation of the soil moisture from frequent light precipitation is greatly retarded by low temperatures, persistent cloud cover, and high humidity. Snow cover and periods of thaw further reduce trafficability. Only along the northern sections in December is soil freezing persistent enough to significantly aid trafficability.

Baltic Area.—Poor trafficability conditions are particularly common in this area. There are an average of 15 to 20 days with precipitation during each month, and spells of over 7 consecutive days with precipitation are fairly frequent. Consequently, there is usually little time for the soils to dry between successive periods of precipitation. The predominant soils are loam, clay, and peat types, which hold moisture and are slippery and muddy when wet. Vehicles will frequently mire in the clay and peat soils. The first snow usually occurs during October, and there are periods during November and December when snow cover reduces significantly the speed of cross-country movements. Trafficability is improved during periods of frozen ground and water courses in December, but during the rest of the period alternate freeze and thaw only serve to reduce trafficability.

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Poland Area.—Along this part of the front, trafficability conditions are similar to conditions in the Baltic Area, but somewhat less severe. There are usually 13 to 15 days with precipitation each month, but rainy periods are usually shorter than in the Baltic Area. The soils are somewhat more favorable also, because there are large areas of well-drained, coarse-textured types. However, the valley soils along the main lines of communication are generally peaty and dry out very slowly after precipitation. The first snow may occur in late October, but during many years no snow falls until November. Snow seldom accumulates in sufficient amount to reduce trafficability until December. Monthly temperatures are similar to the Baltic Area, with periodic freeze and thaw reducing trafficability during November and longer freezing periods aiding trafficability in late December.

Balkan Area.—Ground movements should not be seriously hampered by unfavorable trafficability conditions in lowland parts of this area during October. During November and December, trafficability conditions are normally better in the lowlands of this area than in the northern areas. This is due to better soil-drying conditions and prevalence of coarse-textured, well-drained soils. However, snow on the ground, increased cloudiness, and temperatures which produce alternate periods of freeze and thaw will make cross-country vehicular movements difficult during November and December. Freezing of soil or water courses in lowland areas rarely extends to sufficient depth to support cross-country vehicular movements.

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Temperature

In October, a few night frosts can be expected along the northern and central parts of the front. By December, temperatures below freezing prevail most of the time in the north and in the southern mountains. In the southern lowlands, temperatures below freezing are common at night. Temperatures well below zero are possible along any part of the front in December.

Humidity

The air is usually close to saturation in the norths under consideration. Relative humidity averages 80 to 90 percent along almost the entire front.

Precipitation

Although precipitation is not normally heavy in this area, the frequent drizzle and showers, often falling when air temperature is close to freezing, provide a serious problem in military operations. In all of the months under consideration, there is either rain or snow on an average of one-half to two-thirds of the days along the northern parts of the front, and one-fourth to one-third of the days along the southern parts. In October, snowfall is infrequent; by December, most of the precipitation in the north and in the southern highlands is in the form of snow. In the northern lowlands, snow is less frequent than ~~fall~~:

AIR OPERATIONS

The chief weather factors restricting air operations in this area are low ceilings, poor visibility, and icing.

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Low Ceilings

Heavy cloud formation, produced by the intense cyclonic activity characteristic of this area in fall and winter, severely limits air operations. Cloudiness generally increases from October through December. Widespread and persistent low ceilings are especially frequent in the north, where ceilings below 1,000 feet can be expected about one-half the time in December. In the south, very low ceilings are relatively infrequent; over much of the southern lowlands, ceilings below 1,000 feet can be expected only about one-tenth of the time in the months under consideration. However, throughout the area clear skies are rare. In December, only one clear day (average of less than 35 percent of the sky cloud-covered during the day) can be expected along the northern and central portions of the front, only 3 or 4 clear days along the southern portions

Poor Visibility

Poor visibility, due mostly to radiation fog in the lowlands and to low cloud in the mountains, is generally frequent along most of the front, particularly in December, when many places expect fog on at least one-half of the mornings. Because visibility conditions are subject to extreme local variation, quantitative generalizations cannot be made from available information. Frequencies presented in the table represent conditions in early morning, which is usually the worst time of day for fog and low cloud. Fog and low cloud often lift before noon, although very persistent poor visibility

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occasionally occurs in much of this area.

Icing

Ice accretion on aircraft is often a serious problem in air operations over the Russian front in the months under consideration. In October, the freezing level is normally about 5,000 feet over the northern parts of the front, about 10,000 feet over the southern parts. In December, the freezing level has dropped to the surface in the north and to about 2,000 feet in the south, lower than many of the mountain ranges. The elevations given are average levels; because of the changing air masses there is often enormous day-to-day variation in the height of the freezing level.

Above the freezing level, planes flying through clouds or precipitation often encounter severe icing. It is sometimes possible to avoid icing by climbing into colder air. However, during passage of a cyclonic storm, heavy cloud formation and severe icing may extend upward to more than 25,000 feet elevation.

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SELECTED CLIMATIC DATA

(All values are averages)

Place and Month	Daily Maximum Temperature, °F.	Daily Minimum Temperature, °F.	Number of Days with Frost.	Total Precipitation, Inches.	Number of Days with Precipitation.	Number of Days with Snowfall.	Number of Days with Snow Cover.	Number of Days with Thunderstorms.	Amount of Cloud Cover, Percent.	Number of Days with Ceiling < 4,000 Feet at 6800 L.C.F.	Number of Days with Visibility < 2 1/2 Miles at 6800 L.C.F.	Number of Days with Gales.
Riga (50 feet elevation)												
October	49	39	5	2.1	17	1	2	#	72	9	10	2
November	37	31	15	2.0	18	12	5	#	83	12	18	3
December	27	22	26	1.7	17	14	17	#	85	14	15	3
Konigsberg (100 feet elevation)												
October	52	41	3	2.6	16	2	#	#	69	7	6	2
November	41	32	12	2.2	18	6	5	#	80	10	9	2
December	34	26	20	2.0	20	13	17	#	83	13	10	1
Warsaw (400 feet elevation)												
October	54	41	3	1.7	13	1	0	#	69	10	9	0
November	40	32	15	1.4	14	5	1	#	79	14	13	0
December	32	25	23	1.5	15	9	7	0	80	17	15	#
Trafalgar (3,000 feet elevation)												
October	48	38	—	2.1	10	3	—	0	56	—	—	#
November	36	30	—	2.2	14	9	—	0	66	—	—	#
December	31	26	—	2.4	17	13	—	0	65	—	—	#
Budapest (400 feet elevation)												
October	62	44	1	2.6	10	#	0	1	55	3	8	1
November	48	37	3	2.1	13	2	1	#	66	6	14	1
December	39	31	16	1.9	16	7	12	0	71	9	19	1
Debrecen (400 feet elevation)												
October	60	40	6	2.7	10	#	—	1	55	1	5	1
November	46	33	15	2.0	11	3	—	#	68	5	9	1
December	37	26	23	1.6	13	6	—	0	72	6	9	1

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1 8

SELECTED CLIMATIC DATA (cont.)

(All values are averages)

Place and Month	Daily Maximum Temperature, °F.	Daily Minimum Temperature, °F.	Number of Days with Frost.	Total Precipitation, Inches.	Number of Days with Precipitation.	Number of Days with Snowfall.	Number of Days with Snow Cover.	Number of Days with Thunderstorms.	Amount of Cloud Cover, Percent.	Number of Days with Callings-1,000 Feet at 0800 L.C.T.	Number of Days with Visibility < 1/2 miles at 0800 L.C.T.	Number of Days with Gales.
Sneged (500 feet elevation)												
October	60	45	2	2.0	9	#	—	#	56	—	—	1
November	47	34	11	1.7	10	2	—	#	67	—	—	1
December	41	31	19	1.7	12	4	—	#	73	—	—	1
Cluj (1,000 feet elevation)												
October	58	39	—	1.8	8	#	—	#	48	—	—	1
November	44	30	—	1.2	8	3	—	#	62	—	—	1
December	36	24	—	1.1	9	4	—	0	69	—	—	1
Beograd (500 feet elevation)												
October	65	47	0	2.4	11	#	#	1	51	2	4	1
November	52	39	6	1.9	11	2	2	#	64	6	7	3
December	40	30	18	1.6	14	7	7	0	76	5	8	3
Mis (700 feet elevation)												
October	67	42	3	3.5	10	#	0	1	61	—	3	1
November	51	33	14	1.9	10	1	5	0	66	—	4	2
December	42	26	23	1.5	10	4	10	0	74	—	3	2
Skeplje (800 feet elevation)												
October	68	43	1	2.1	7	1	0	1	52	2	7	—
November	58	40	3	1.9	5	1	2	#	64	5	12	—
December	40	28	12	1.7	10	2	7	0	73	8	15	—

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19

SELECTED CLIMATIC DATA (cont.)

(All values are averages)

Place and Month	Daily Maximum Temperature, °F.	Daily Minimum Temperature, °F.	Number of Days with Frost.	Total Precipitation, Inches.	Number of Days with Precipitation.	Number of Days with Snowfall.	Number of Days with Snow Cover.	Number of Days with Thunderstorms.	Amount of Cloud Cover, Percent.	Number of Days with Ceiling < 1,000 Feet at 0800 L.C.F.	Number of Days with Visibility < 2 1/2 Miles at 0800 L.C.F.	Number of Days with Gales.
Sofiya (2,000 feet elevation)												
October	62	44	0	2.1	10	1	0	1	38	2	2	1
November	48	33	14	2.1	10	6	4	5	66	4	3	1
December	39	28	21	1.1	9	7	12	8	70	2	3	1
Plovdiv (500 feet elevation)												
October	66	48	0	1.5	7	0	—	1	53	—	—	5
November	52	37	7	2.2	10	2	—	0	63	—	—	1
December	43	32	12	1.4	8	2	—	0	69	—	—	1

† Frequency greater than zero but less than 1/2 day.

— No data.

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RELEASED BY G.S. BRYAN, RADM.		CINCPOA	PRIORITY 2
DATE 4 OCTOBER 1941			ROUTINE 3
TOR CODEROOM 2115/09			ROUTINE 4
			DEFERRED 5
DECODED BY		COMPHIBSPAC JICPOA	BASEGRAM 6
PARAPHRASED BY MCDONOUGH	CHECKED BY MCDONOUGH		PRIORITY 9
ROUTED BY MCDONOUGH	DITTOED BY MCDONOUGH		ROUTINE 10
			ROUTINE 11
			DEFERRED 12
			BASEGRAM 13
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PAGE 1 OF 2	031930	NCR 8081	IF OPERATIONAL CHECK BELOW 15
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By **RHP**, NARS Date _____

REPORTS GIVING DETAILED TIDES, CURRENTS, SEA CONDITIONS ALREADY PREPARED AS CHAPTER 3, JANIS 87 AND IN 86. REMAINDER OF SPECIFIED AREA IN JANIS 76 TO BE COMPLETED ABOUT NOVEMBER 1. BEACH EROSION BOARD OF ARMY ENGINEERS PREPARES MOST ADEQUATE REPORTS ON BEACHES HERE, APPEARING IN JANIS CHAPTER 4 WITH A MORE DETAILED REPORT ON SOUTHWESTERN DIA PHRAGM AVAILABLE AT JICPOA. HARBORS COVERED IN CHAPTERS 4 AND 6. BELIEVE THESE BEST COVERAGE TO BE HAD HERE FOR SUBJECTS REQUESTED IN YOUR 300604. ONLY REVISION NECESSARY FOR CHAPTER 3 PREPARED BY HYDRO DAILY TIDE PREDICTIONS FOR REFERENCE STATIONS TO

No. 1 ADMIRAL. No. 2 FILE. No. 3F-1 OR CHARTROOM. No. 4 SPECIAL.

OPNAV 19-78
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DATE _____			ROUTINE 3
TOR CODEROOM _____			DEFERRED 4
			BASEGRAM 5
DECODED BY _____			6
PARAPHRASED BY _____	CHECKED BY _____		PRIORITY 9
	DITTOED BY _____		ROUTINE 10
ROUTED BY _____			DEFERRED 11
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PAGE 2 OF 2

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BE PUBLISHED IN RESTRICTED PAMPHLET 3RD WEEK IN NOVEMBER AND PREPARATION OF MOONLIGHT-SUNLIGHT-TIDAL DIAGRAMS. DESIRABLE TO LEARN IF LOCALITIES FOR MOONLIGHT-TIDAL DIAGRAMS MEET REQUIREMENTS OR WHETHER OTHERS SHOULD BE INCLUDED. IF NOT SUFFICIENT ADVISE PRECISE REQUIREMENTS. AWAITING CLARIFICATION.

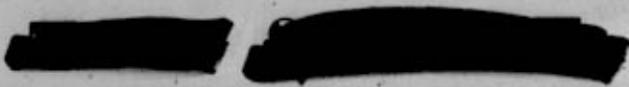
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RELEASED BY		CNO	PRIORITY
DATE OCT 3 1944			ROUTINE R
TOR CODEROOM 031505			DEFERRED
DECODED BY KIRKBRIDE			BASEGRAM
PARAPHRASED BY MONTGOMERY	CHECKED BY COOK	INFORMATION FOR ACTION	PRIORITY
BY	DITTOED BY MONTGOMERY		ROUTINE
ROUTED BY COOK	BY		DEFERRED
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DRAFTER F22	EXT. 3459	ADDRESSEES	PRECEDENCE
FROM COMINCH		ASTERISK (*) MAILGRAM ADDRESSEE	1
RELEASED BY R E SCHUIRMANN		CINCPAC	PRIORITY 2
DATE 26 SEPT 1944			ROUTINE 3
TOR CODEROOM 2208		COMSUBPAC	4 DDDDDDDDDD
DECODED BY			BASEGRAM 6
PARAPHRASED BY ROBERTS	CHECKED BY HCFNER		7
ROUTED BY	DITTOED BY ROBERTS		8
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			ROUTINE 10
			11 DDDDDDDDDD
			12
			BASEGRAM 13
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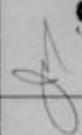
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RELEASED BY	G.S. BRYAN, RADM, USN	COM 7TH FLEET 	PRIORITY 2
DATE	28 SEPT 1944		ROUTINE 3
TOR CODER ROOM	2210/28		DEFERRED 4
DECODED BY			BASEGRAM 5
PARAPHRASED BY	ZIMMERMAN CHECKED ZIMMERMAN	DECLASSIFIED	PRIORITY 9
ROUTED BY	BALDWIN BY ZIMMERMAN	E.O. 11662, Sec. 3(E) and 5(D) or (E)	ROUTINE 10
		OSD letter, May 3, 1972	DEFERRED 12
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CURRENT DATA LATITUDE 10-34 NORTH LONGITUDE 125-42 EAST. TIME MERIDIAN 120 DEGREES EAST. NO OBSERVATIONAL DATA THIS VICINITY. FOR BEST INFERRED VALUES, USE CURRENT TABLES FOR SAN JUANICO STRAIT. TAKE TIMES THE SAME BUT MULTIPLY VELOCITIES OF FLOOD AND EBB BY FACTOR OF TWO. EXAMPLE PAGE 27 OF TIDE AND CURRENT TABLES PHILIPPINE ISLANDS, 1944, GIVES MAXIMUM FLOOD OCTOBER 20 TIME 0812 VELOCITY 2.3 KNOTS. CALCULATED MAXIMUM FLOOD AT LOCATION DESIRED TIME 0812 VELOCITY 4.6 KNOTS. THE TIMES OF SLACK WATER ARE CONSIDERED TO BE LESS DEPENDABLE THAN TIMES OF MAXIMUM FLOOD AND MAXIMUM EBB. AMOUNT OF INEQUALITY IS NOT KNOWN DEFINITELY

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DATE			ROUTINE 3
TOR CODEROOM			DEFERRED 4
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CONSEQUENTLY ON DAYS WHEN THE VELOCITIES OF SUCCESSIVE
 EBBS DIFFER BY MORE THAN HALF A KNOT AT SAN JUANICO
 STRAIT, THE VELOCITY OF THE LESSER EBB MAY BE CON-
 siderably weaker than the value derived through the use
 of the factor two. SEE SAN JUANICO STRAIT TYPICAL
 CURRENT CURVE PAGE 22 OF ABOVE MENTIONED TIDE AND
 CURRENT TABLES. REFERS YOUR 270759.

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COMINCH(#2-9).....

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 E.O. 11652, Sec. 3(E) and 5(D) or (E)
 OBD letter, May 3, 1972
 By RHP, NARS Date _____

No. 1 ADMIRAL.

No. 2 FILE.

No. 3F-1 OR CHARTROOM.

No. 4 SPECIAL.

TOP SECRET

Handle only in accordance with "Top Secret" instructions contained in Article 76, Navy Regulations.

COPY NO.

DISPATCH

DRAFTER	EXT.	ADDRESSEES	PRECEDENCE
FROM COM 7TH FLT		ASTERISK (*) MAILGRAM ADDRESSEE	P P P P 1
RELEASED BY _____		HYDRO	PRIORITY 2
DATE SEPT 27 1944			ROUTINE 3
TOR CODEROOM 271359			DEFERRED 4
DECODED BY KURTZ			BASEGRAM 5
PARAPHRASED BY WJ MONTGOMERY	CHECKED BY MONTGOMERY		
ROUTED BY MONTGOMERY	DITTOED BY MONTGOMERY		
UNLESS OTHERWISE INDICATED THIS DISPATCH WILL BE TRANSMITTED WITH DEFERRED PRECEDENCE AND AS ADMINISTRATIVE.			IF OPERATIONAL CHECK BELOW 14
270759		NCR 9972	<input type="checkbox"/> 16

Originator fill in DATE AND TIME GROUP (Use G. C. T.)

ON OUTGOING DISPATCHES PLEASE LEAVE ABOUT ONE INCH CLEAR SPACE BEFORE BEGINNING TEXT

TOP SECRET

COM SEVENTH FLT ORIGINATES X RADIO WASHINGTON PASS ACTION HYDRO WASHINGTON X

REFERENCE OUR 200747. YOUR 211712. IF AVAILABLE REQUEST TIMES AND VELOCITY OF MAXIMUM CURRENTS AND TIMES OF SLACK WATER IN SURIGNO STRAIT NORTH OF DESOLATION POINT FOR 17-22 OCTOBER INCLUSIVE

NCR ORIGINAL DISTRIBUTION:

28(#1).....ACT
 COMINCH(#2TO#9).....

DECLASSIFIED
 E.O. 11652, Sec. 3(E) and 5(D) or (E)
 OSD letter, May 8, 1972
 By **RHP**, NARS Date _____

No. 1 ADMIRAL. No. 2 FILE. No. 3F-1 OR CHARTROOM. No. 4 SPECIAL.

[REDACTED] **[REDACTED]**

Handle only in accordance with "Top Secret" instructions contained in Article 76, Navy Regulations.

DRAFTER	EXTENSION NUMBER	ADDRESSEES	PRECEDENCE
FROM <u>ALUSNA MOSCOW</u>		ASTERISK (*) MAILGRAM ADDRESSEES	
RELEASED BY _____		CNO	PRIORITY
DATE <u>21 JUNE 44</u>			RRRR
TOR CODEROOM <u>1710</u>			ROUTINE
DECODED BY <u>MOUNTAIN</u>		DECLASSIFIED E.O. 11652, Sec. 3(E) and 5(D) or (F) OSD letter, May 8, 1972 By RHP, NARS Date _____	DEFERRED
PARAPHRASED BY <u>MANUEL <i>H. WHITE</i></u>			PRIORITY
ROUTED BY <u>ROLL</u>			ROUTINE
			DEFERRED

UNLESS OTHERWISE INDICATED THIS DISPATCH WILL BE TRANSMITTED WITH DEFERRED PRECEDENCE

PAGE 1 OF 2

210935 NCR 3656

ORIGINATOR FILL IN DATE AND TIME	DATE	TIME	GCT

ON OUTGOING DISPATCHES PLEASE LEAVE ABOUT ONE INCH CLEAR SPACE BEFORE BEGINNING TEXT

AM INFORMED THAT CAPT 1ST RANK E G GLINKOV ASST CHIEF SOVIET NAVY HYDROGRAPHIC OFFICE IS NOW IN US AND CAN BE CONTACTED THROUGH PURCHASING COMMISSION. PURPOSE HIS VISIT TO STUDY IN BROAD WAY CONTEMPORARY ORGANIZATION AND SETUP OF US HYDROGRAPHIC SERVICE WITH PARTICULAR INTEREST IN (A) MEANS AND METHODS OF HYDROGRAPHIC WORK (B) MEANS AND METHODS EQUIPPING NAVIGATIONAL AREAS (C) SYSTEM OF NAVIGATIONAL EQUIPMENT ON VESSELS. HAVE NO KNOWLEDGE ANY PREVIOUS ARRANGEMENTS WHICH MAY HAVE BEEN MADE FOR THIS VISIT. VADM STEPANOV STATES HE UNABLE GIVE EARLIER INFO THIS OFFICE DUE HIS LONG ABSENCE ON INSPECTION TRIP BUT NOW REQUESTS THAT OUR HEADS OF HYDROGRAPHIC OFFICE, COAST GUARD, AND GEODETIC SURVEY AND NAVAL OBSERVATORY BE INFORMED OF CAPT GLINKOV'S PRESENCE AND PURPOSE. FURTHER REQUESTS COOPERATION IN MEETING ABOVE OFFICERS AND AFFORDING POSSIBLE FACILITATION FOR

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FL40	
IC-00	
VCNO	

CAPT GLINKOV TO BE A LYE IS PURPOSE

SECRET

Make original only. Deliver to Code Room Watch Officer in person. (See Art. 76 (4) NAVREGS.)

OPNAV-NCR-15 A 33052

005

Weather Forecast for Southeast Asia for period
June 2 to June 8, 1944

June 2: Scattered to broken clouds in moderate shower activity north and central Burma and along the Akyab coastal area. Scattered to broken clouds with light shower activity Rangoon and Bangkok area.

June 3: Overcast with intense shower activity accompanied by widespread precipitation north and central Burma. Scattered to broken clouds with scattered light showers Rangoon area and with moderate shower activity Bangkok area.

June 4: Overcast with intense to moderate shower activity north and central Burma with some improvement in the Imphal area late in day. Scattered to broken clouds with none to light shower activity Rangoon area and broken to overcast clouds with moderate to heavy shower activity Bangkok area.

June 5: Scattered to broken clouds with none to light shower activity north and central Burma. Broken clouds with moderate shower activity in the Rangoon area. Broken to overcast clouds with moderate to heavy shower activity in the Bangkok area, with possible improvement in the Bangkok area late in the day.

June 6: Scattered to broken clouds with light to moderate shower activity in north and central Burma. Overcast clouds with intense shower activity Rangoon area and scattered to broken clouds with light to moderate shower activity Bangkok area.

June 7: Scattered to broken clouds in light to moderate shower activity in north and central Burma. Overcast clouds with intense shower activity Rangoon and Bangkok areas.

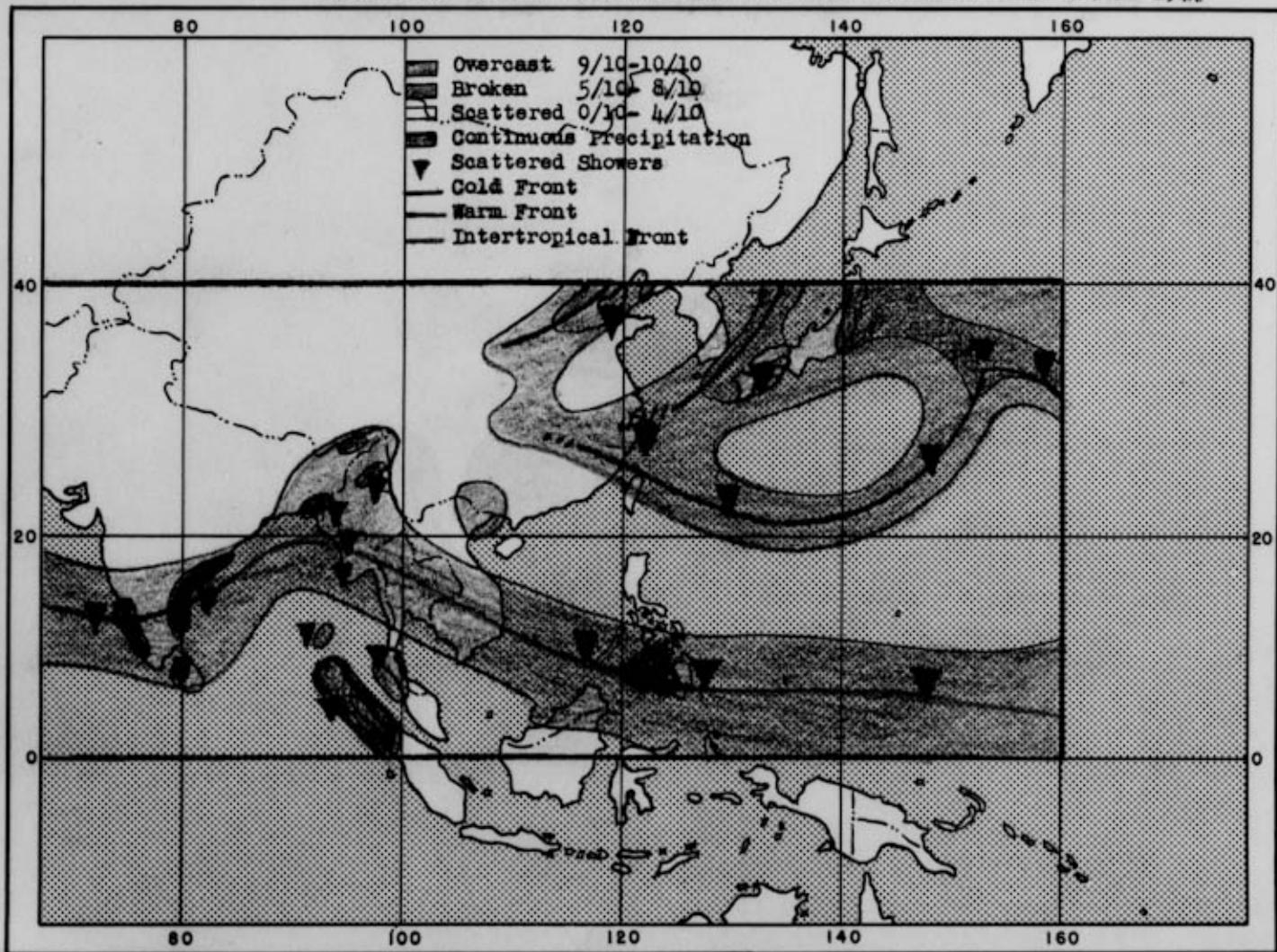
June 8: Scattered to broken clouds in light shower activity north and central Burma. Generally overcast with intense ~~showers~~ shower activity Rangoon area. Broken to overcast clouds with moderate shower activity Bangkok area.

Best Operating Days:

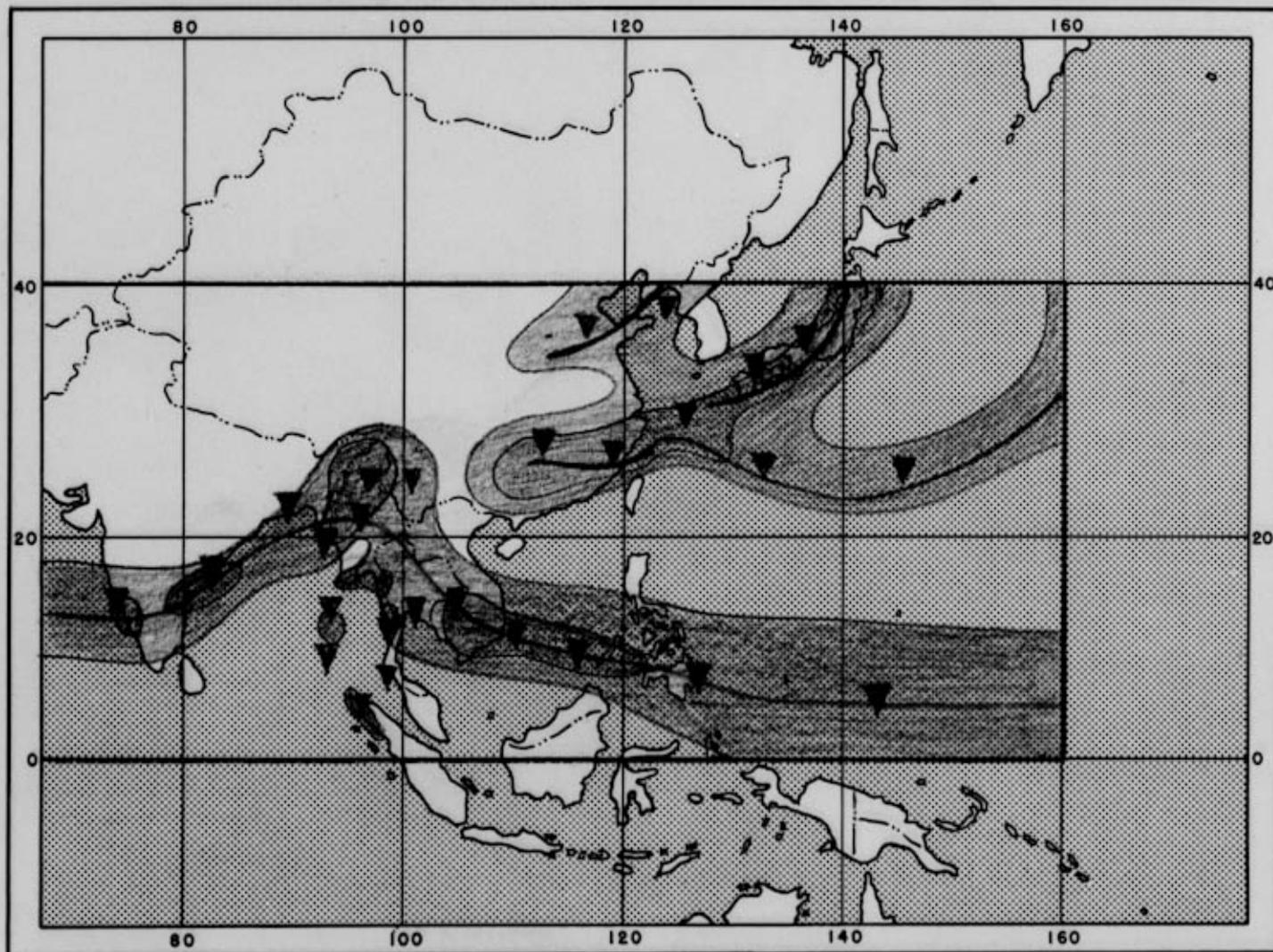
<u>North and Central Burma</u>	<u>Rangoon Area</u>	<u>Bangkok area</u>
June 2	June 2	June 2
	3	
4 (late)	4	
5	5	June 5 (late)
		6
8		

005

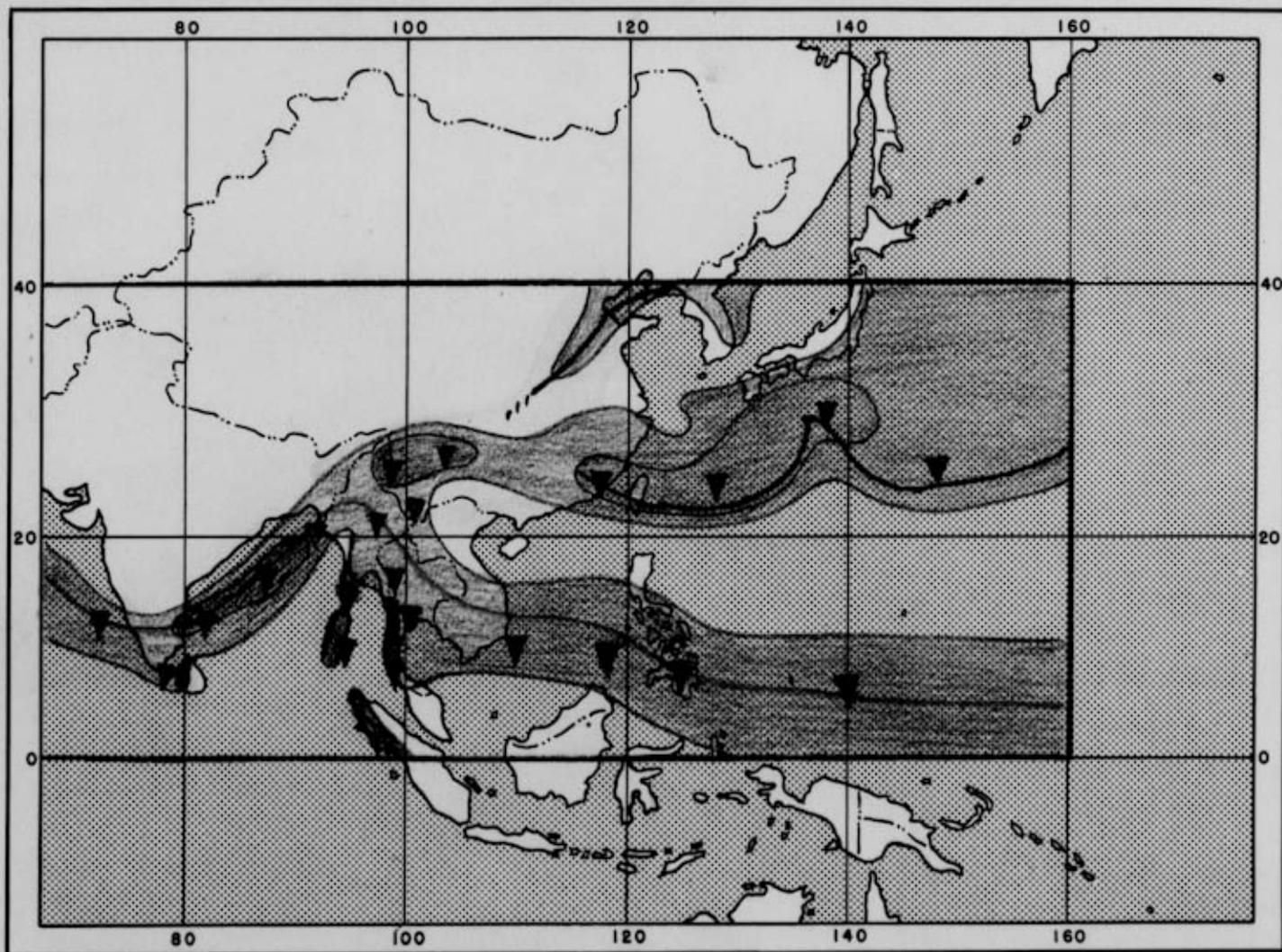
FORECAST OF AVERAGE WEATHER CONDITIONS OVER SOUTHEAST ASIA 2 JUNE 1944



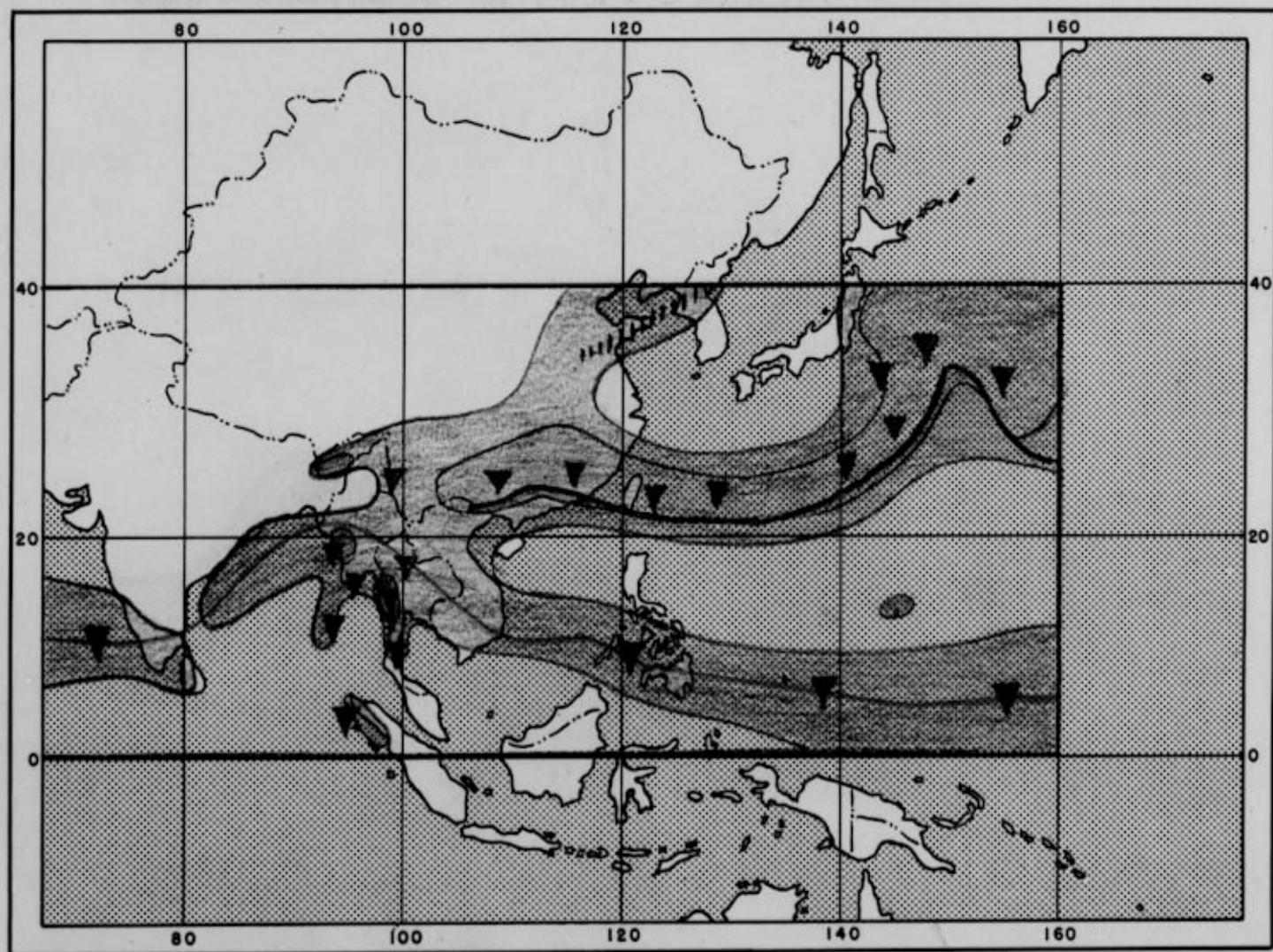
FORECAST OF AVERAGE WEATHER CONDITIONS OVER SOUTHEAST ASIA 3 JUNE 1944



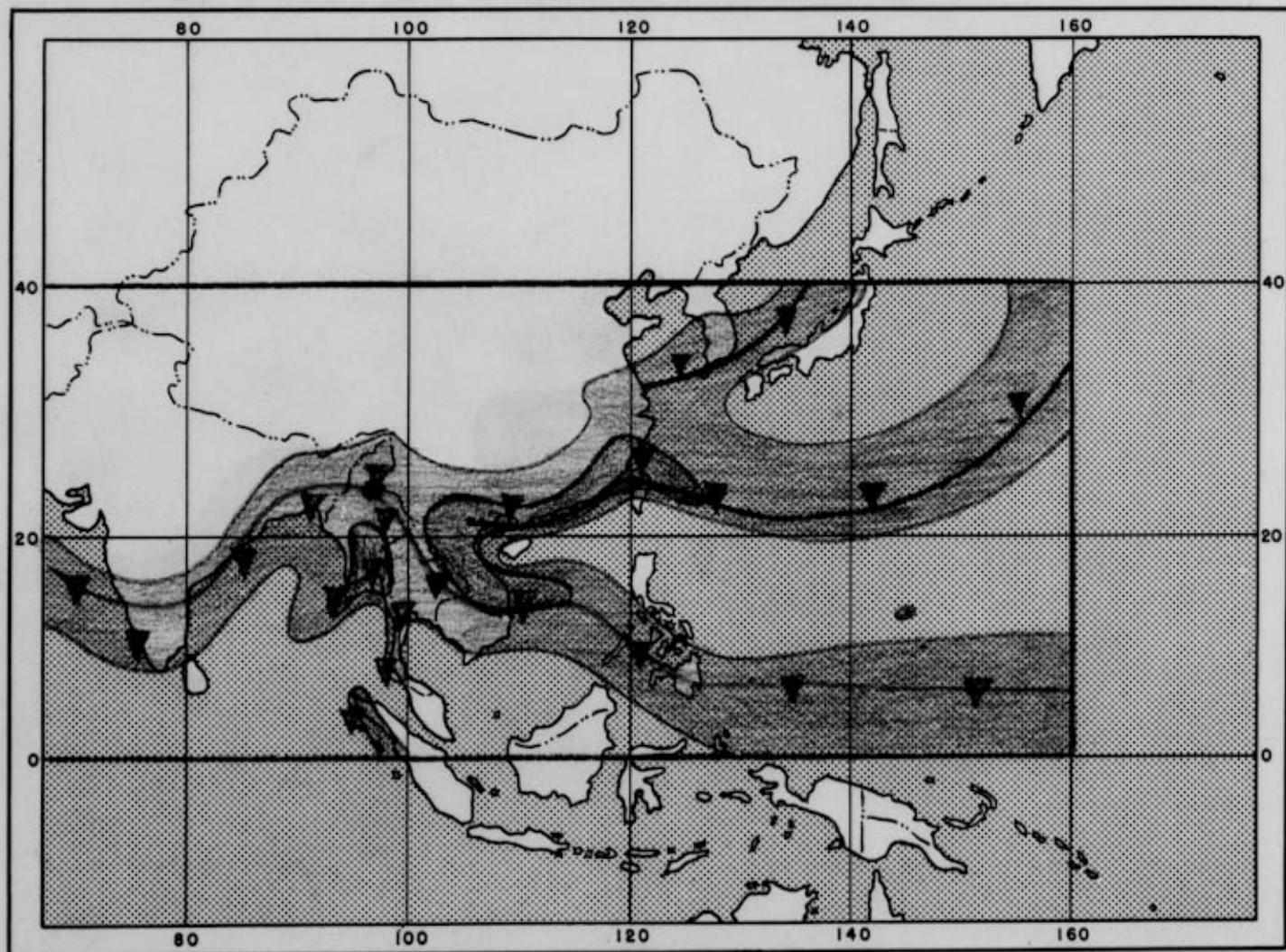
FORECAST OF AVERAGE WEATHER CONDITIONS OVER SOUTHEAST ASIA 4 JUNE 1944



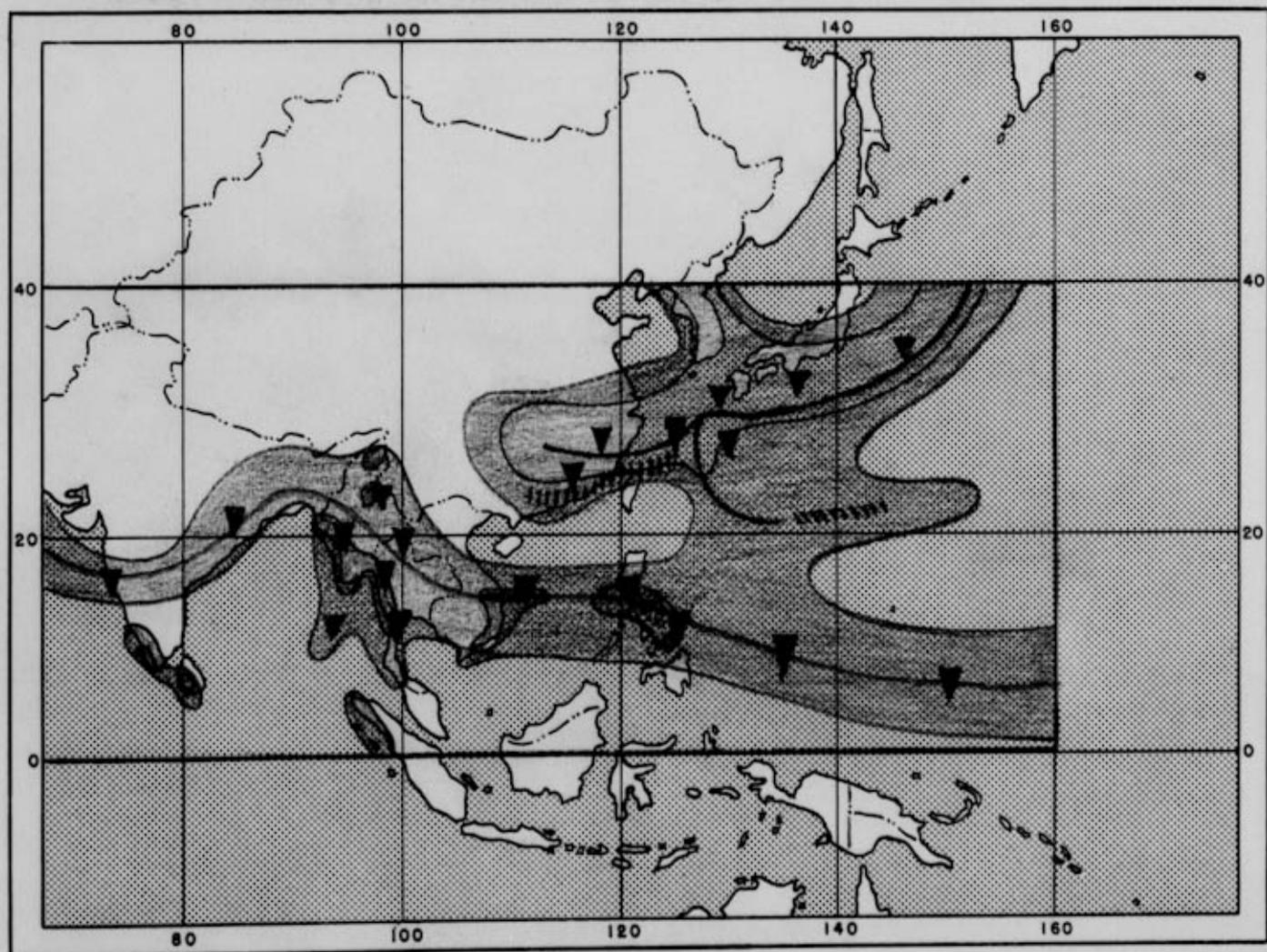
FORECAST OF AVERAGE WEATHER CONDITIONS OVER SOUTHEAST ASIA 5 JUNE 1944



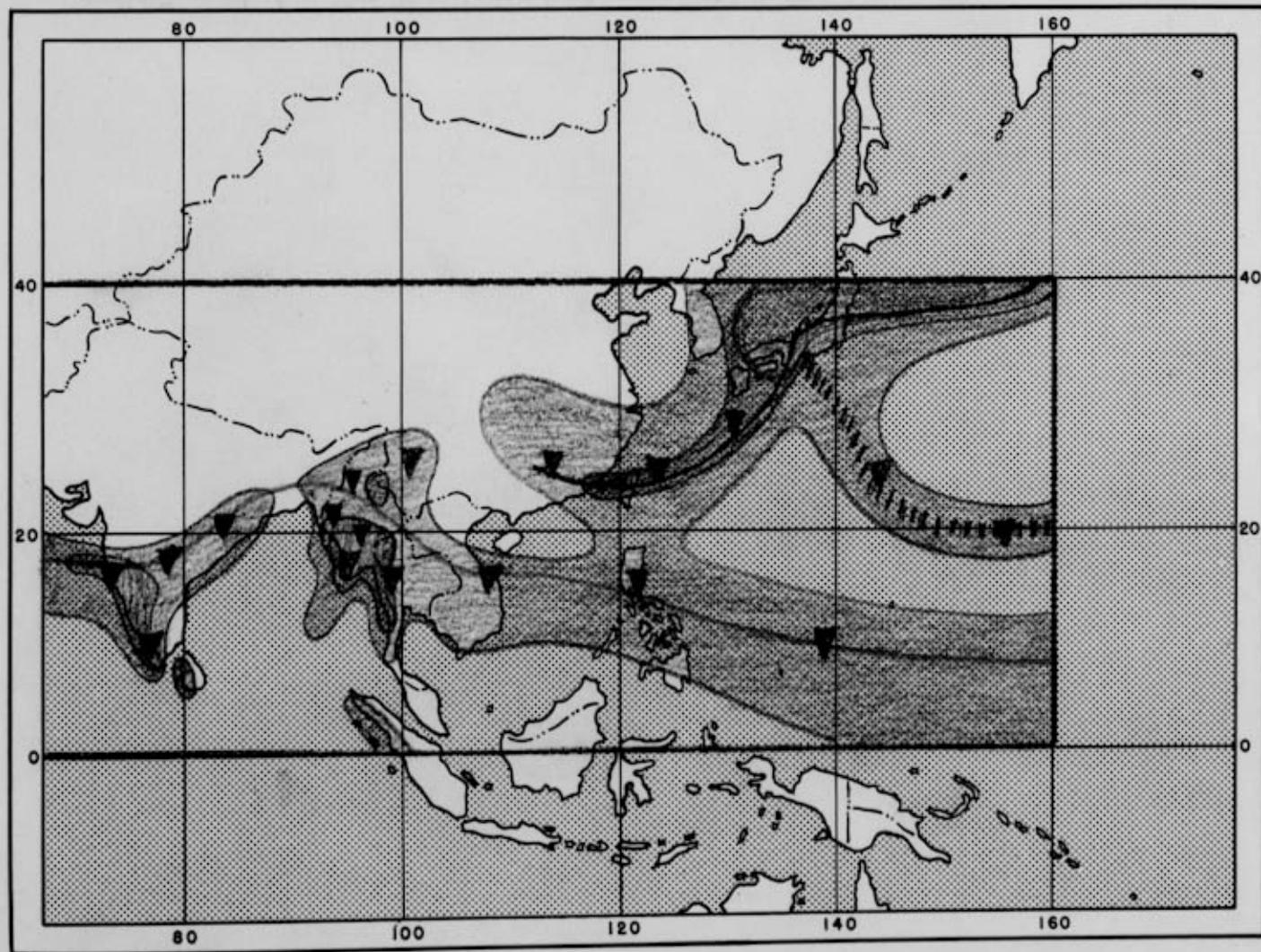
FORECAST OF AVERAGE WEATHER CONDITIONS OVER SOUTHEAST ASIA 6 JUNE 1944



FORECAST OF AVERAGE WEATHER CONDITIONS OVER SOUTHEAST ASIA 7 JUNE 1944



FORECAST OF AVERAGE WEATHER CONDITIONS OVER SOUTHEAST ASIA 8 JUNE 1944.



WEATHER FORECAST for the EUROPEAN THEATER OF OPERATIONS
2 June through 8 June, 1944

LEGEND

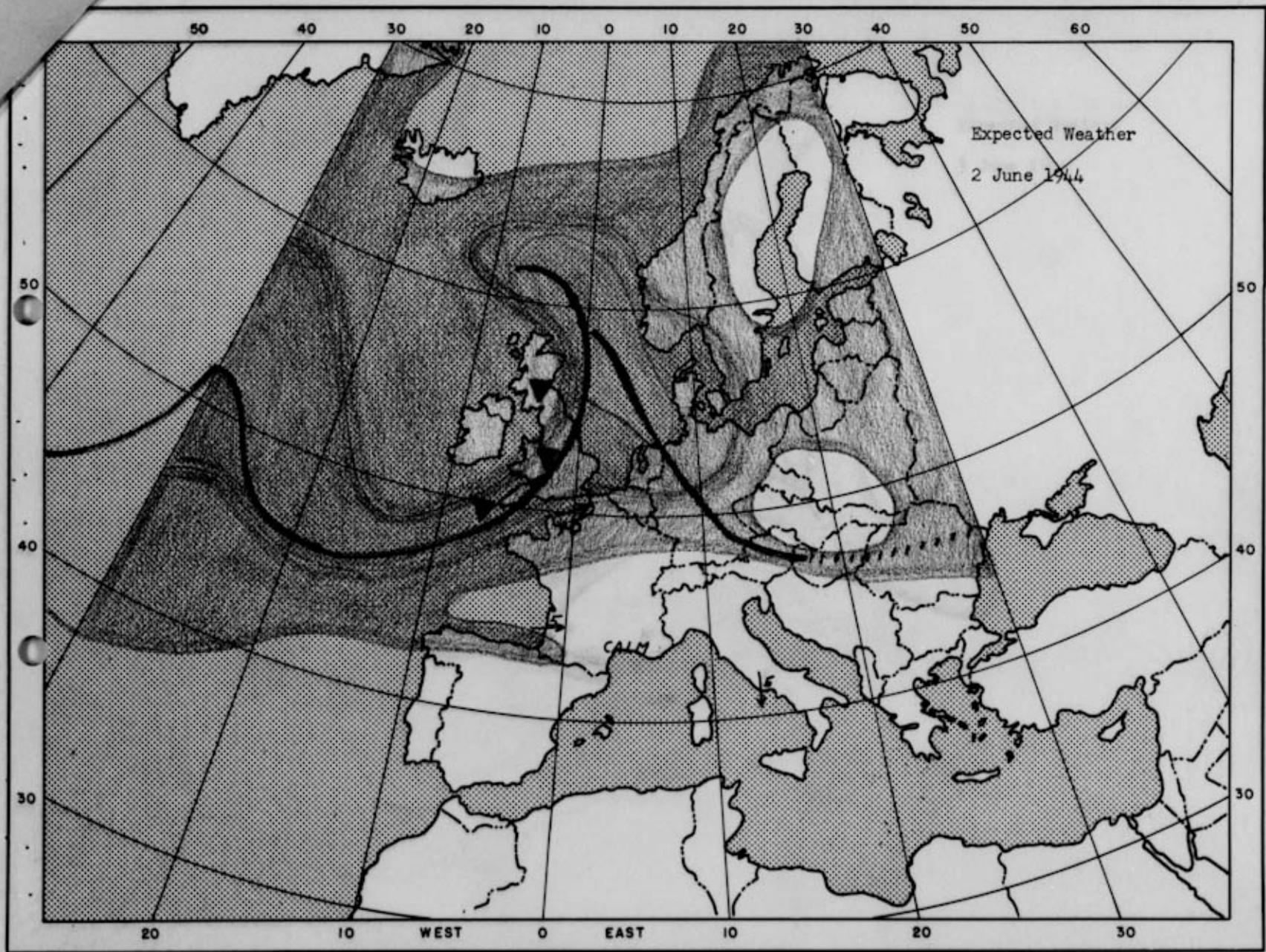
-  Overcast cloudiness
-  Broken cloudiness
-  Clear to Scattered
-  Continuous precipitation
-  Scattered showers
-  Surface wind direction and velocity
in miles per hour

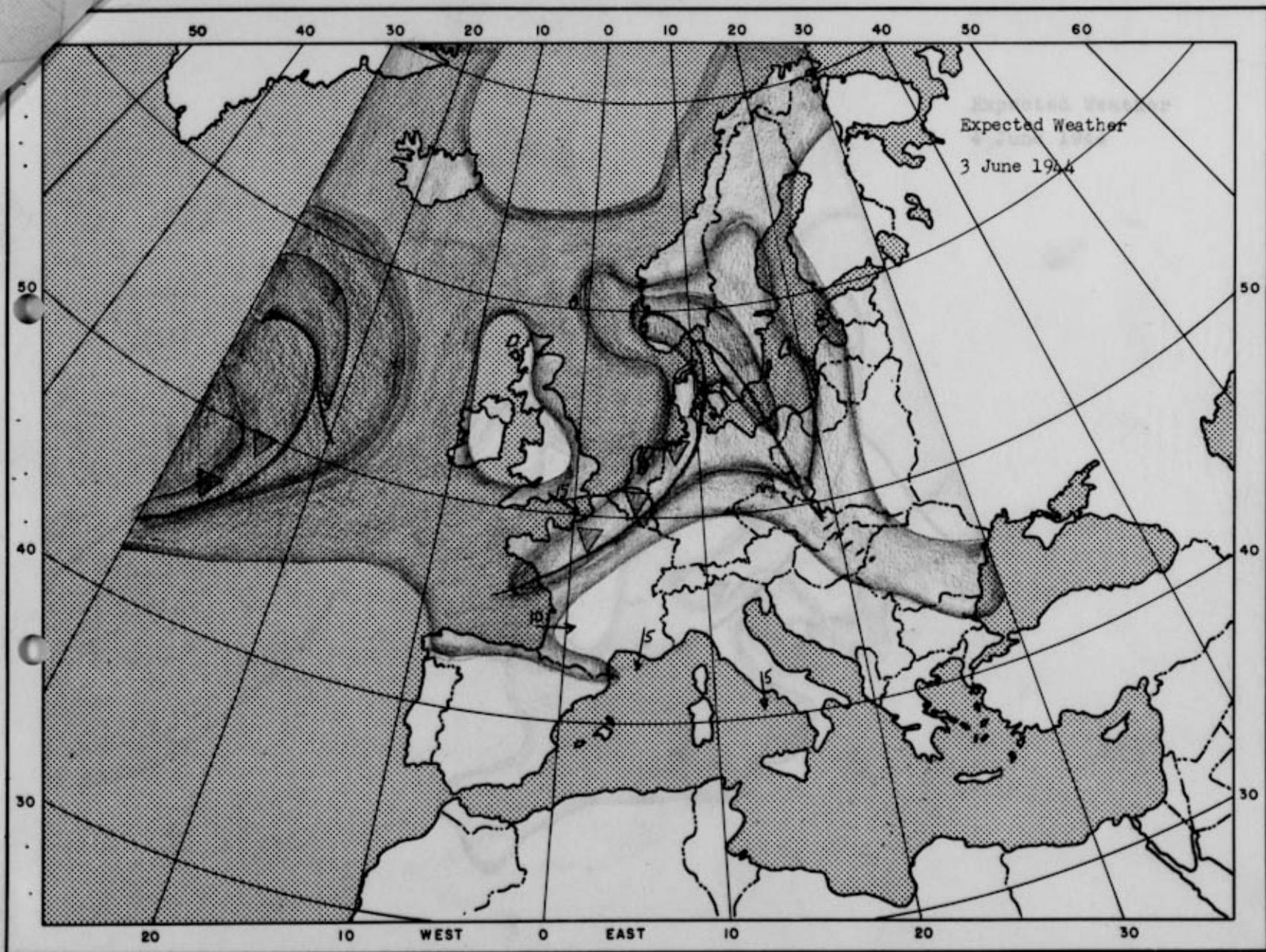
prepared 1 June, 1944

Hq.AAF
Weather
Division

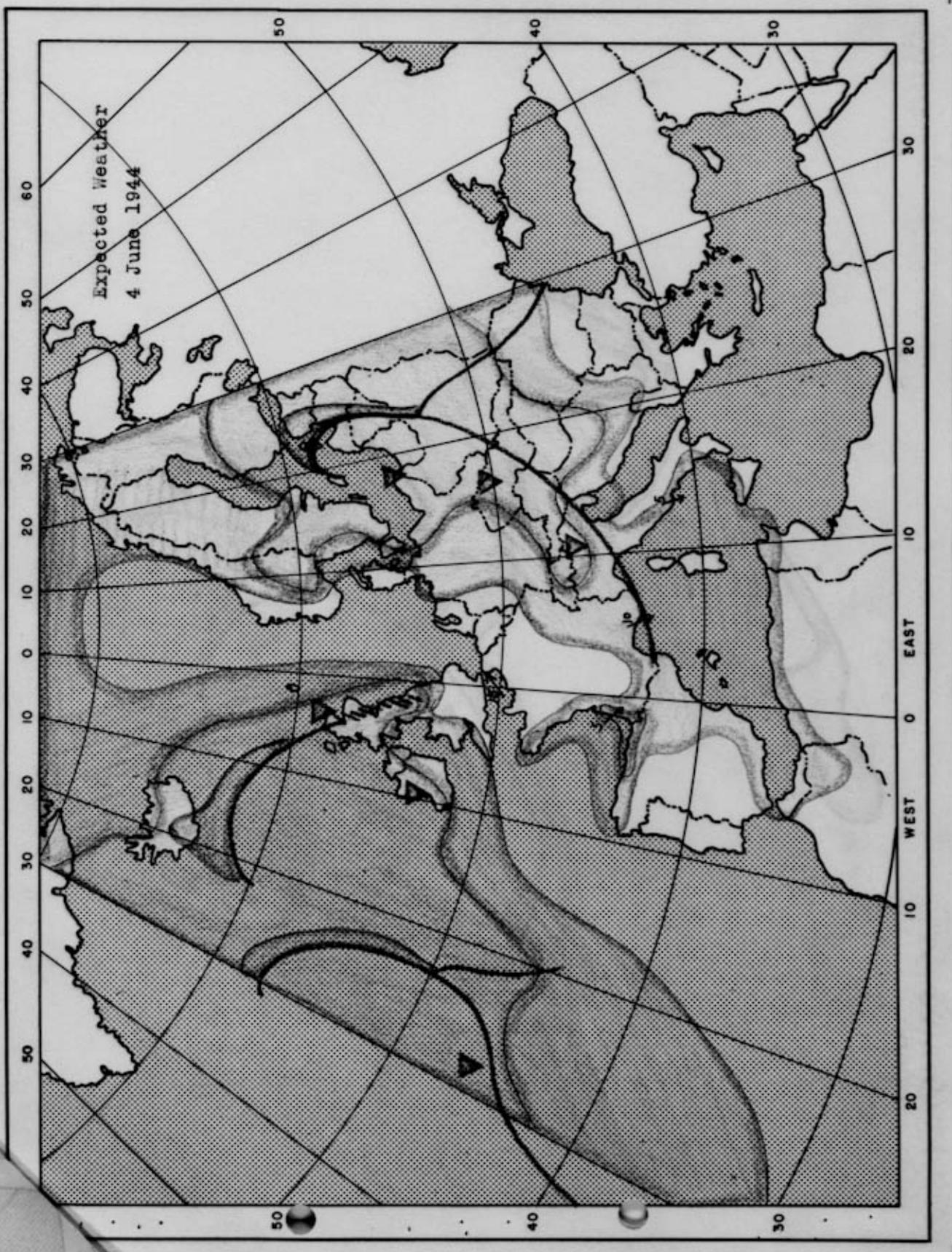
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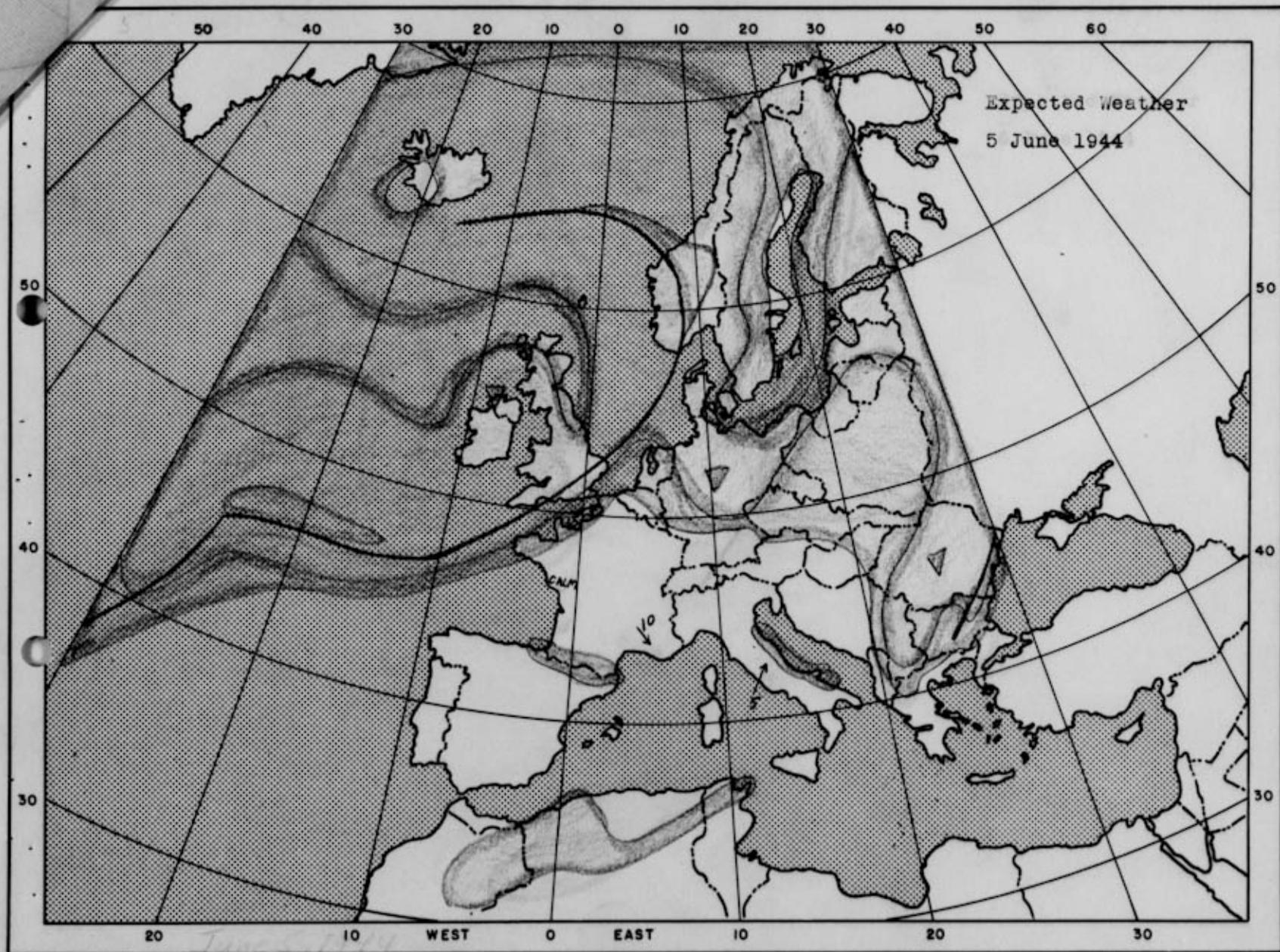
About normal weather is expected to occur over Western Europe during the forecast period. The only periods when weather is expected to restrict air operations over the British bases or the English Channel will be on the 2nd and again to a slight degree on the 5th. Small areas of fog will restrict visibilities at isolated fields during the early morning hours. Strongest winds expected in the channel throughout the period will not exceed 15 miles per hour.



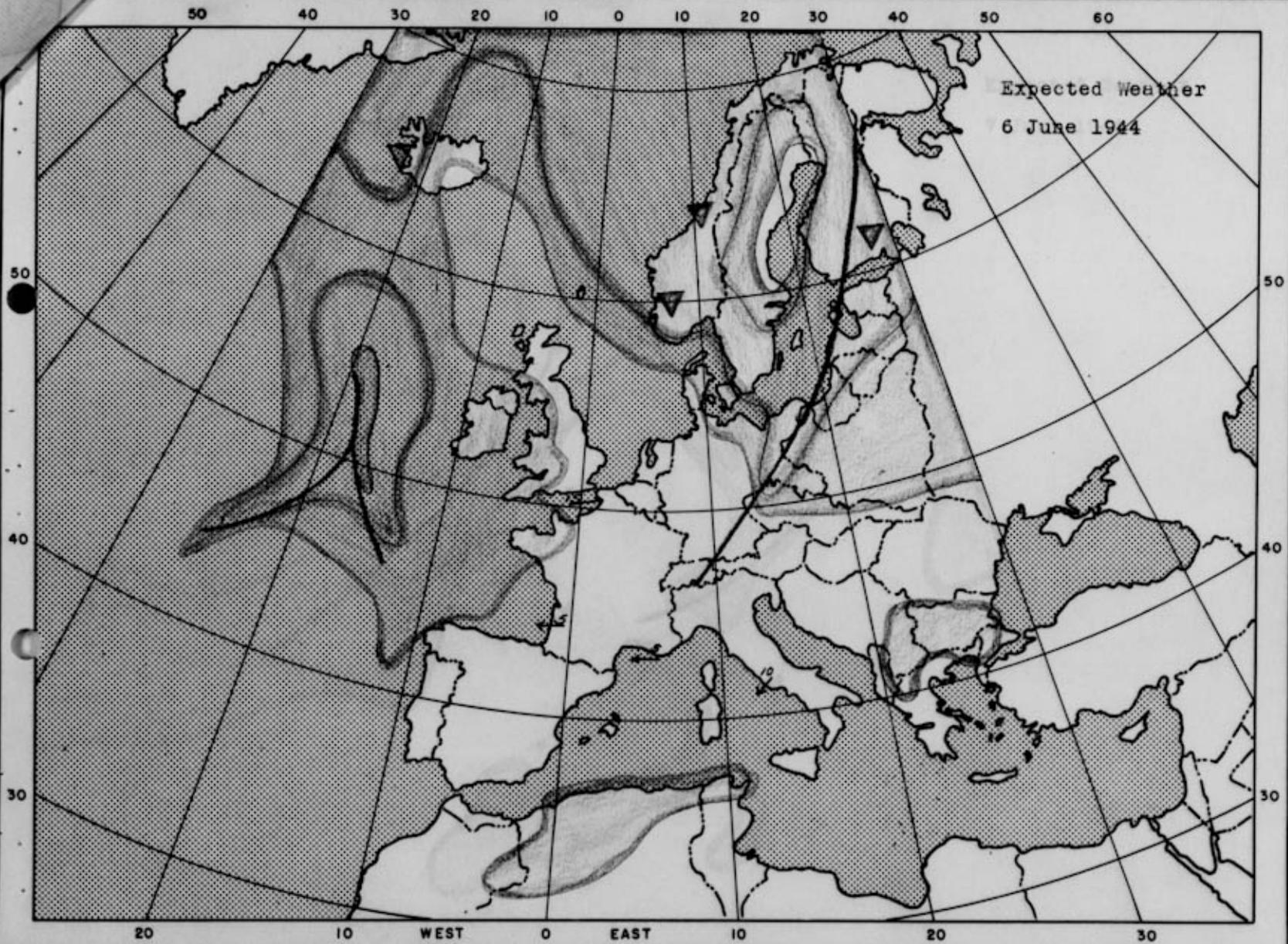


Expected Weather
4 June 1944



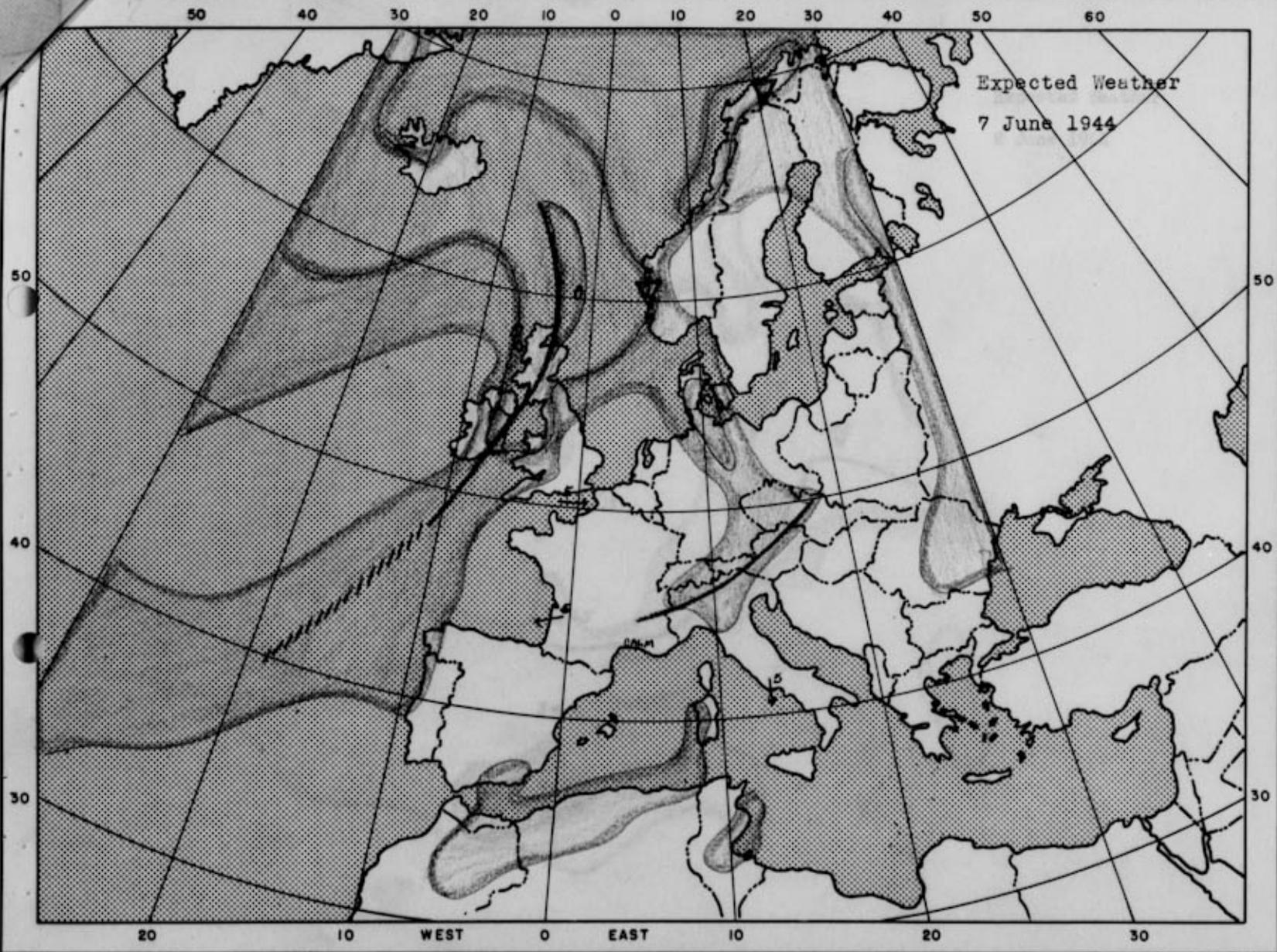


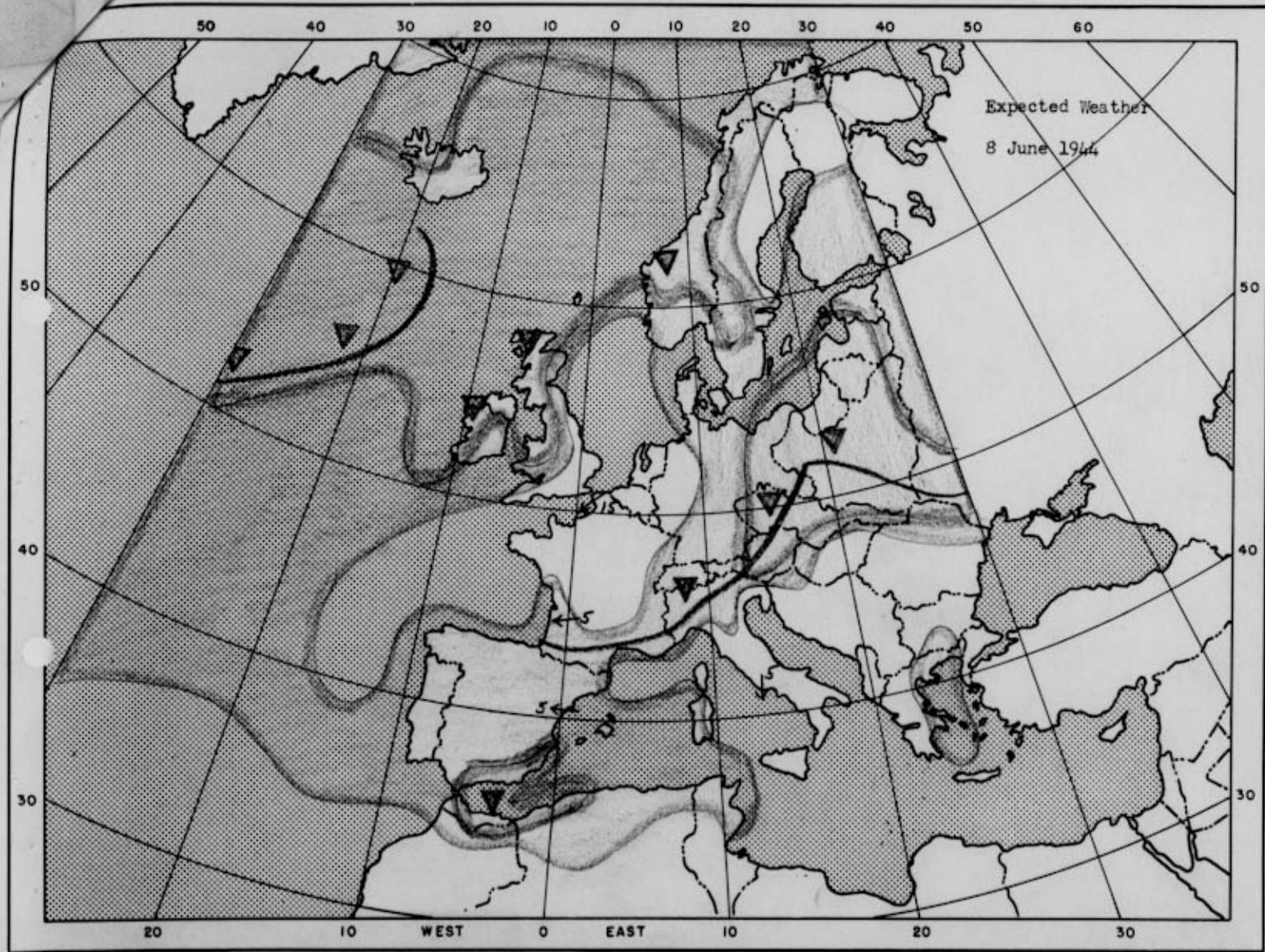
Expected Weather
6 June 1944



Expected Weather

7 June 1944





NAVAL MESSAGE

NAVY DEPARTMENT

DRAFTER EXTENSION NUMBER ADDRESSEES PRECEDENCE

FROM ALUSNA MOSCOW

ASTERISK (*) MAILGRAM ADDRESSEE

FOR ACTION

JOINT CHIEFS OF STAFF

RRRRRR
ROUTINE
DEFERRED

RELEASED BY

DATE 23 MARCH 1944

TOR CODEROOM 0448

DECODED BY MCCLELLAN

PARAPHRASED BY VOSBURGH

ROUTED BY WIDMAN

INFORMATION

COMNAVEU
CNO DECLASSIFIED
JCS memo, 1-4-74
By RHP, NLR, Date MAY 15 1974

RRRRRR
ROUTINE
DEFERRED

UNLESS OTHERWISE INDICATED THIS DISPATCH WILL BE TRANSMITTED WITH DEFERRED PRECEDENCE AND AS ADMINISTRATIVE.

IF OPERATIONAL CHECK BELOW

221510

NCR 2552

ORIGINATOR FILL IN DATE AND TIME: DATE TIME GCT

ON OUTGOING DISPATCHES PLEASE LEAVE ABOUT ONE INCH CLEAR SPACE BEFORE BEGINNING TEXT

PASSED BY COMNAVEU TO CNO FOR INFO UNDER SAME DATE TIME GROUP.

ACTION JOINT CHIEFS OF STAFF, INFO COMNAVEU FOR GENERAL SPAATZ. COMNAVEU PASS TO CNO FROM DEANE.

REPLYING TO OUR LAST LETTER REQUESTING ACTION ON THE MOSCOW NEW YORK WEATHER EXCHANGE AND THE PETROPALVLOVSK SPECIAL BROADCAST THE SOVIET FOREIGN OFFICE TODAY ADVISES

"APPROPRIATE SOVIET AUTHORITIES DO NOT OBJECT TO THE BROADENING OF THE EXCHANGE OF THE INFORMATION IN QUESTION ON THE BASIS OF RECIPROCITY AND THE NECESSARY INSTRUCTIONS HAVE BEEN ISSUED TO THE CHIEF ADMINISTRATION OF THE HYDROMETEOROLOGICAL SERVICES OF THE USSR IN THE PREMISES KNOLL AND MUNDELL CONFERRING TODAY WITH WEATHER OFFICE SET UP ARRANGEMENTS. I FEEL THAT THE AMBASSADOR,

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FX40	39
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Make original only. Deliver to Code Room Watch Officer in person. (See Art. 76 (4) NAVREGS.)

OPNAV-NCR-15

221510

005

NAVY DEPARTMENT

EXTENSION NUMBER	ADDRESSEES	PRECEDENCE	
FROM _____	ASTERISK (*) MAILGRAM ADDRESSEE		1
RELEASED BY _____	FOR ACTION	PRIORITY	2
DATE _____		ROUTINE	3
TOR CODEROOM _____		DEFERRED	4
DECODED BY _____			5
PARAPHRASED BY _____	INFORMATION	PRIORITY	6
ROUTED BY _____		ROUTINE	7
		DEFERRED	8
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UNLESS OTHERWISE INDICATED THIS DISPATCH WILL BE TRANSMITTED WITH DEFERRED PRECEDENCE AND AS ADMINISTRATIVE			10
PAGE 2	221510	NCR 2552	11
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		IF OPERATIONAL CHECK BELOW	16
		<input type="checkbox"/>	17
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ORIGINATOR FILL IN DATE AND TIME:	DATE	TIME	GCT
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ADMIRAL OLSEN KNOLL AND MURDELL HAVE DONE OUT-
STANDING JOB IN OBTAINING THE AGREEMENT.

DECLASSIFIED

JCS memo, 1-4-74

By RHP, NLR, Date MAY 15 1974

JCS...ACT

~~SECRET~~...34...OP03...20Z...ARMY...16...

ACTION	
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U.S. NAVY WEATHER CENTRAL
U.S. WEATHER BUREAU
WASHINGTON, D.C.

ced

18 February 1944

WEATHER REVIEW FOR TRUK

17 February 1944: From the 1830Z synoptic chart of 16 February the Truk area had broken cloudiness from a high cirrostratus deck and from 3 to 5 tenths cumulus clouds with bases at 1200 feet, with widely scattered showers to the southeast of the area from a weak front which extended from a Low in the Midway area. Winds northeast 10-12 knots. Visibility 30 miles or more, being reduced in the shower areas to the southeast to 5 miles. By noon on the 17th the winds decreased to northeast 10 knots, with partly cloudy conditions from a thinning cirrostratus (high) deck and from cumulus with bases at 1200-1500 feet. Visibility 30 miles or more. Conditions throughout the day remained the same as above with the exception that the clouds increased in amount to broken cloudiness from cumulus clouds with widely scattered showers in the late afternoon.

Forecast for 18 February: Continued broken to overcast cloudiness during the night with scattered showers during the early morning, improving to partly cloudy in the afternoon. Ceilings 1500 feet, becoming unlimited in the middle of the period. Increasing cumulus clouds in the late afternoon. Visibility 25-30 miles, reducing in the immediate vicinity of showers to 3-5 miles. Winds east-northeast 8-12 knots. Seas slight to moderate from the east-northeast.

PETER R. LACKNER,
Commander, U.S.N.

N. J. O.

DECLASSIFIED

E.O. 11652, Sec. 8(E) and 5(D) or (E)

OSD letter, May 3, 1972

By RHP, NARS Date _____

NAVY DEPARTMENT
Office of the Chief of Naval Operations
Aerology - Room 4444 Phone 2335-2606

.005

WAR DEPARTMENT
WAR DEPARTMENT GENERAL STAFF
OPERATIONS DIVISION
WASHINGTON

24 January 1944.

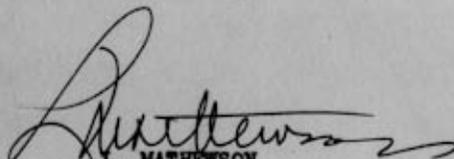
MEMORANDUM FOR ADMIRAL BROWN:

Subject: Effect of Weather on Military Operations on the Eastern Front.

Northern Front. In April, mechanized operations on the Northern Front will be extremely difficult, if not impossible, except along improved roads. Constant day thaws and night freezes with consequent deep mud and slush will make all but horse and tractor transport a very serious problem. In May, the ground will still be wet and soggy with drying out proceeding more rapidly towards the end of the month. Mechanized operations will be possible but still difficult until late May. By early June, military operations may be undertaken with but little hindrance from weather factors. In all three months thawing of the ground, not precipitation is the major factor. Precipitation is less than that for Washington, D. C., in like months.

Central Front. In April, night freezes and day thaws may be expected. However, drying out proceeds rapidly since winter snow-cover is not heavy and monthly precipitation is light. Military operations, using mechanized equipment and materiel (tanks), are possible late in April, but will be markedly hampered by fairly deep mud, except on improved roads. By mid-May, however, drying out will have progressed considerably, allowing free use of mechanized equipment, especially in the south.

Southern Front. Higher mean temperatures and little precipitation allow mechanized operations by late April when sufficient drying out will have occurred.


L. MATHEWSON
Colonel, U. S. Army



005-

NAVAL MESSAGE

NAVY DEPARTMENT

DRAFTER	EXTENSION NUMBER	ADDRESSEES	PRECEDENCE
FROM <u>COMSOPAC</u>		ASTERISK (*) MAILGRAM ADDRESSEE	
RELEASED BY _____		FOR ACTION CNO	PRIORITY
DATE <u>18 JAN 1944</u>			ROUTINE
TOR CODEROOM <u>1448/18</u>			ROUTINE DEFERRED
DECODED BY <u>SAPP</u>		FOR INFORMATION COMINCH CINCPAC	PRIORITY
PARAPHRASED BY _____	<u>ZIMMERMAN</u>		ROUTINE
ROUTED BY <u>SCRUGGS</u>			ROUTINE DEFERRED
UNLESS OTHERWISE INDICATED THIS DISPATCH WILL BE TRANSMITTED WITH DEFERRED PRECEDENCE AND AS ADMINISTRATIVE.			IF OPERATIONAL CHECK BELOW <input type="checkbox"/>
180449 NCR 7248			

ORIGINATOR FILL IN DATE AND TIME:	DATE	TIME	GCT
ON OUTGOING DISPATCHES PLEASE LEAVE ABOUT ONE INCH CLEAR SPACE BEFORE BEGINNING TEXT			

(COMSOPAC SENDS ACTION TO CNO INFO TO COMINCH AND CINCPAC)

TROPICAL HURRICANE WITH HEAVY RAIN AND WIND TO 74 KNOTS STRUCK NOUMEA ABOUT 0300 CAUSING EXTENSIVE BUT NOT SERIOUS DAMAGE SHORE INSTALLATIONS. ROOFS BLOWN OFF MANY WOODEN STRUCTURES AND SOME ALMOST COMPLETELY DEMOLISHED. MANY TENTS DOWN. NAVY ACTIVITIES MOSTLY IN QUONSET HUTS AND WAREHOUSES RECEIVED LITTLE DAMAGE. APD-24, YP 239, YAG-25 AND CRANE BARGE AGROUND.

DECLASSIFIED
E.O. 11652, Sec. 3(E) and 5(D) or (E)
OSD letter, May 3, 1972
By RHP, NARS Date _____

28....ACT

COMINCH...FX37...34...OP03....

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F-33	34
F-34	35
F-4	36
FX01	37
FX30	38
FX37	39
FX40	40
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SECRET

Make original only. Deliver to Code Room Watch Officer in person. (See Art. 76 (4) NAVREGS.)

OPNAV-NCT-15
180449

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