

IRIS Public Record

Key Information

Main: GROUP/0416/BOMBARDMENT (LIGHT)

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IRIS Number: **00091893**

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Old Accession Nbr:

Title:

Beginning Date:

End Date:

Publication Date: **1944/06/30**

Classification **UNCLAS**

Media Roll #: **0000001709** First Frame: **766** Last Frame: **814** Linear Feet: **0**

Old MFlm Roll # **B0530**

Audio Rec:

NUMPAGE **48**

Title Extensions:

Abstract CONTAINS TARGET DATA. TARGET: THURY HARCOURT (ROAD CENTERS). MISSION SUMMARY.

Descriptive
Notes:

Title **MISSION PHOTOS**

Added

Entries

Author:

Subject:

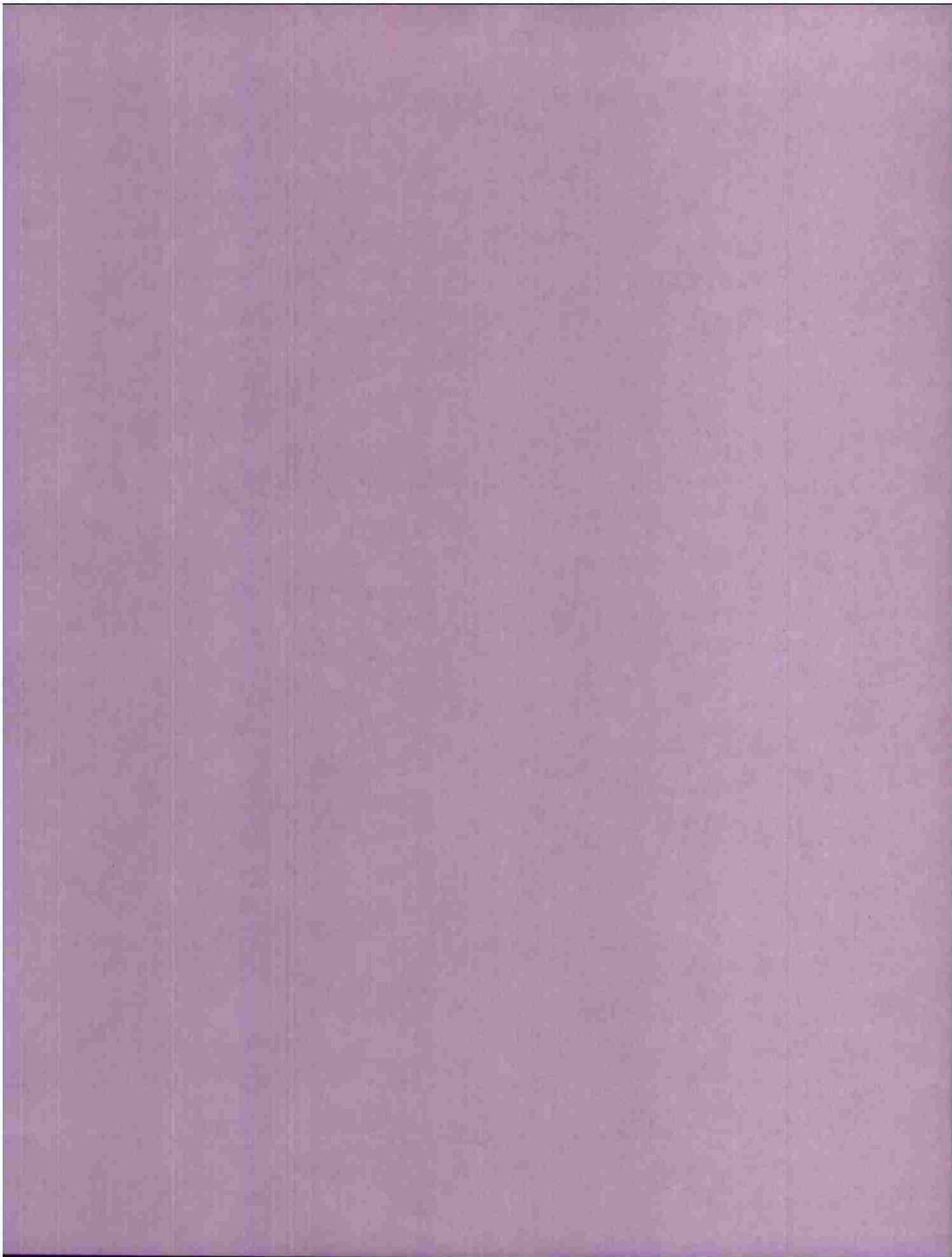
Major Command:

Administrative Markings

No Administrative Markings Listed

Security Review Information:

Rcvd:	Rel	1985/03/05
Indexer ID: 24	Entered Date:	
QC ID:	QC'd Date:	
Scanner ID:	Scanned Date:	
Acc ID	Acc Date:	



Sp-416-Su-Op-S
30 Jun 1944

SCANNED BY ACD
2007-25

P.R.C.

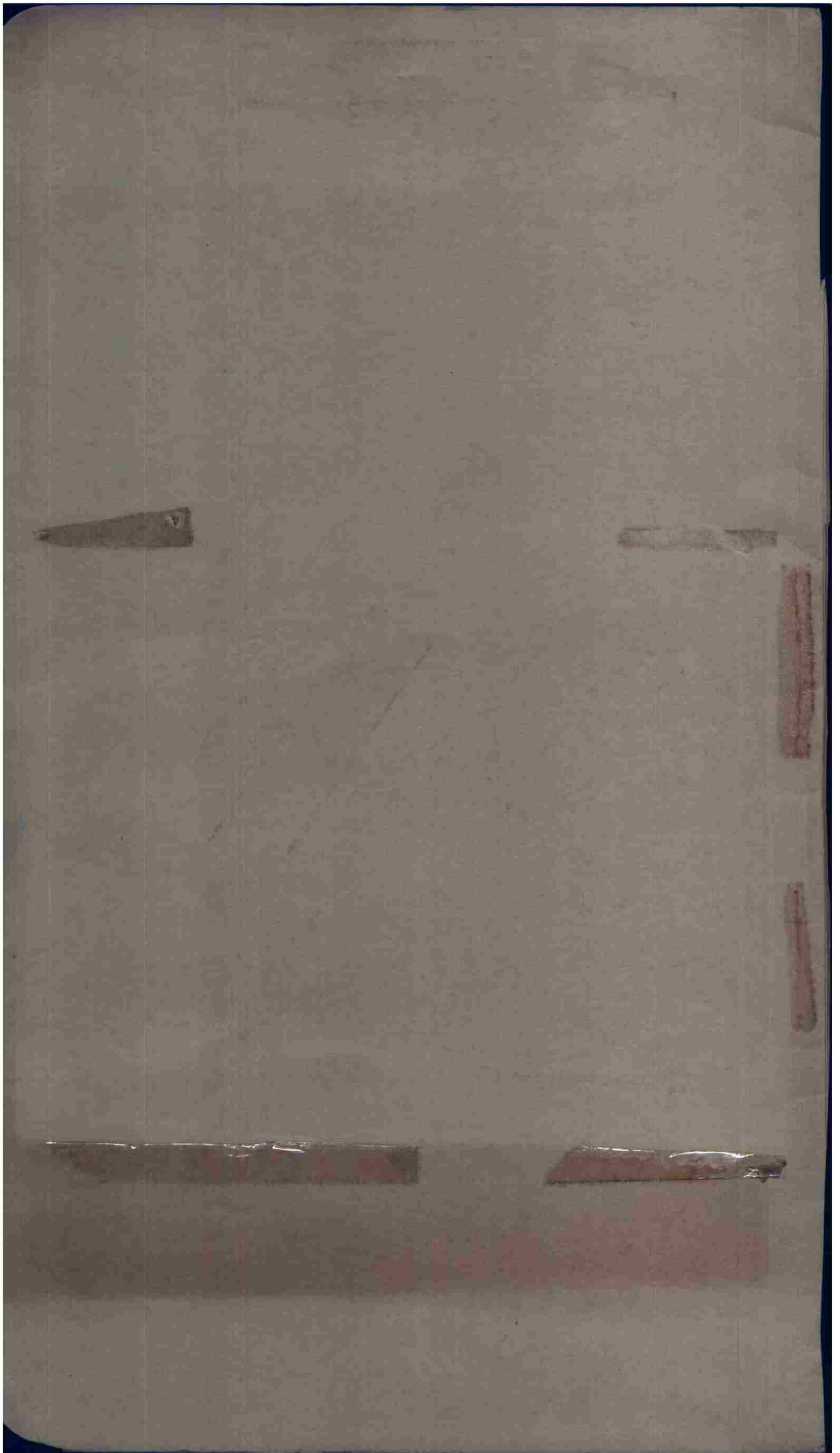
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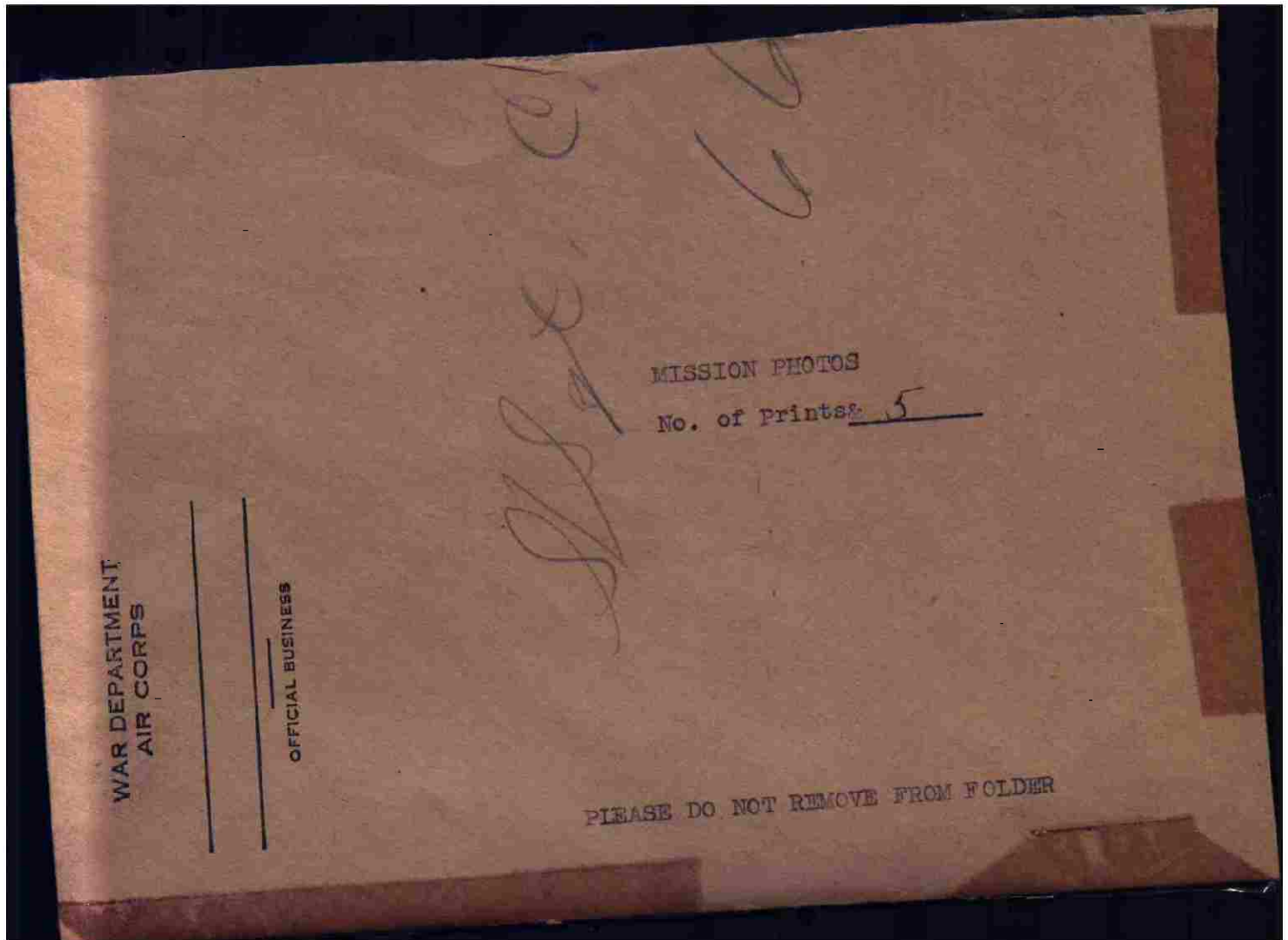
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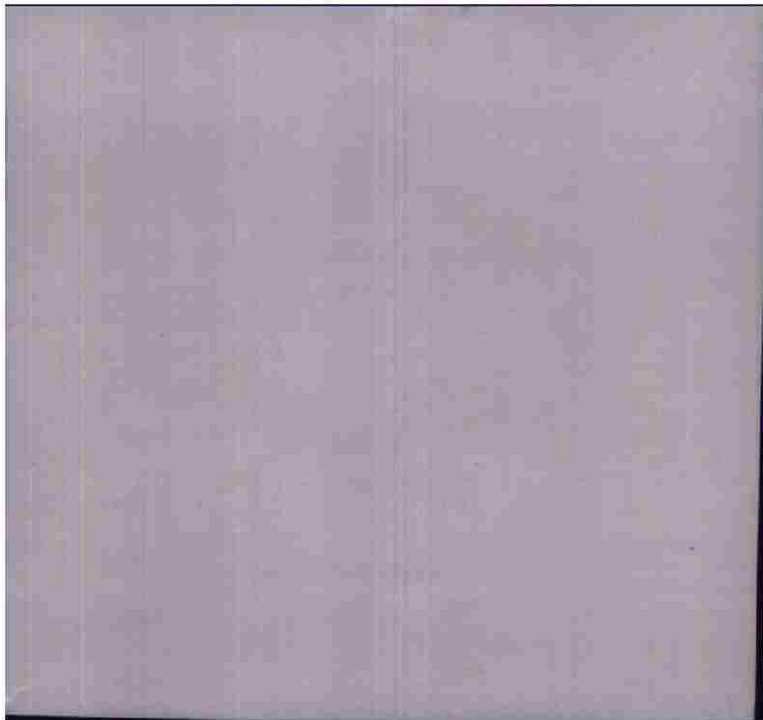
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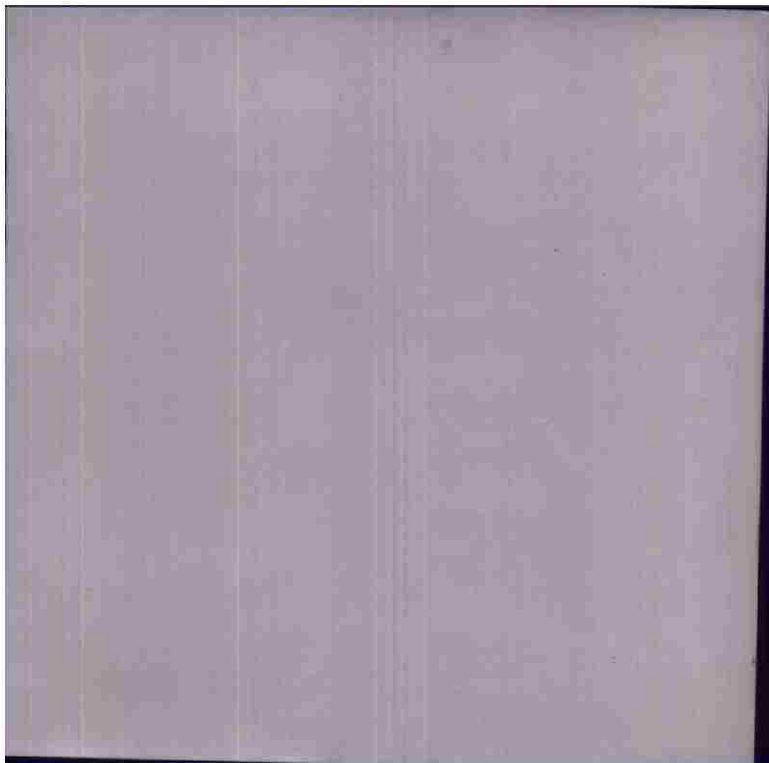
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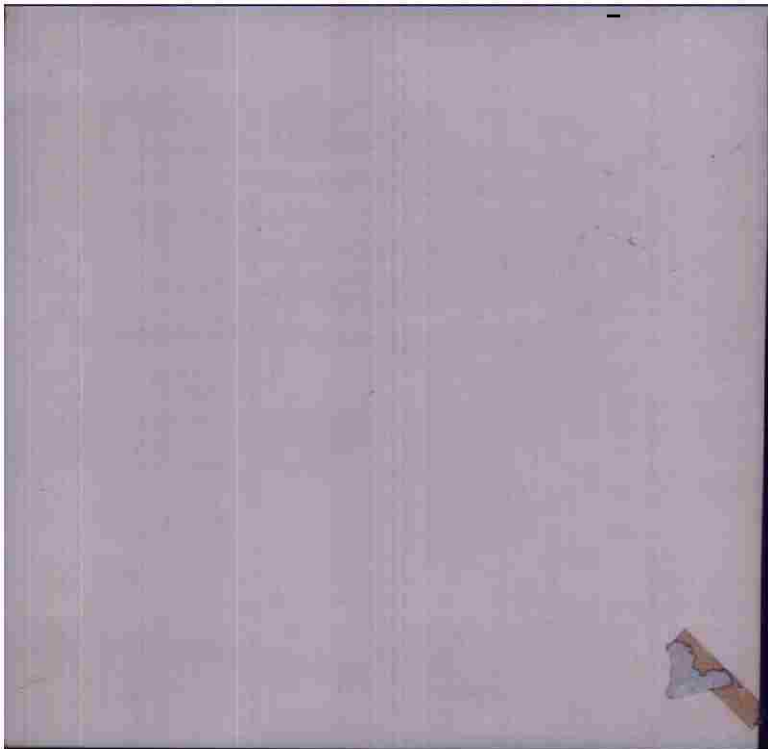
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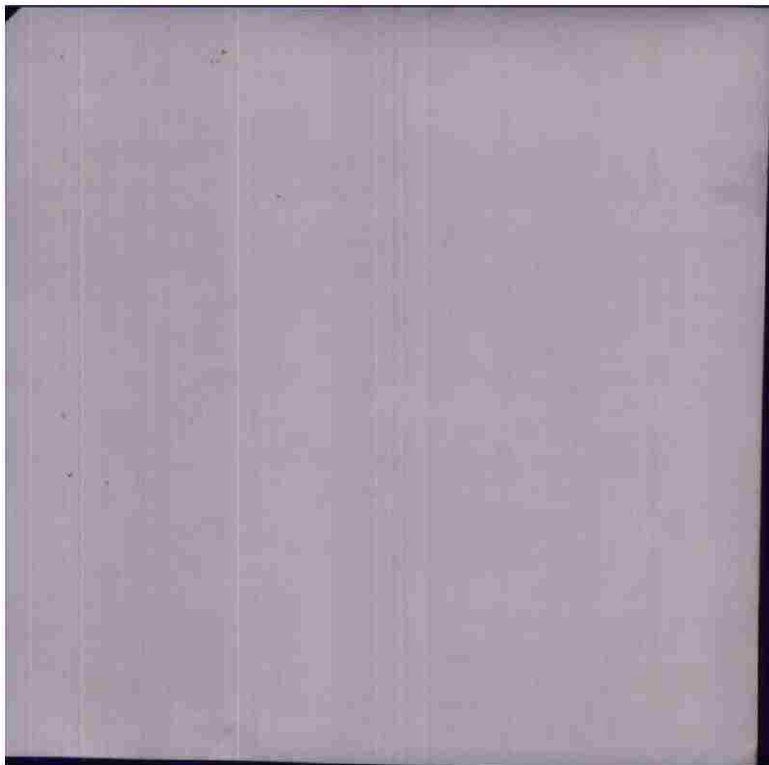
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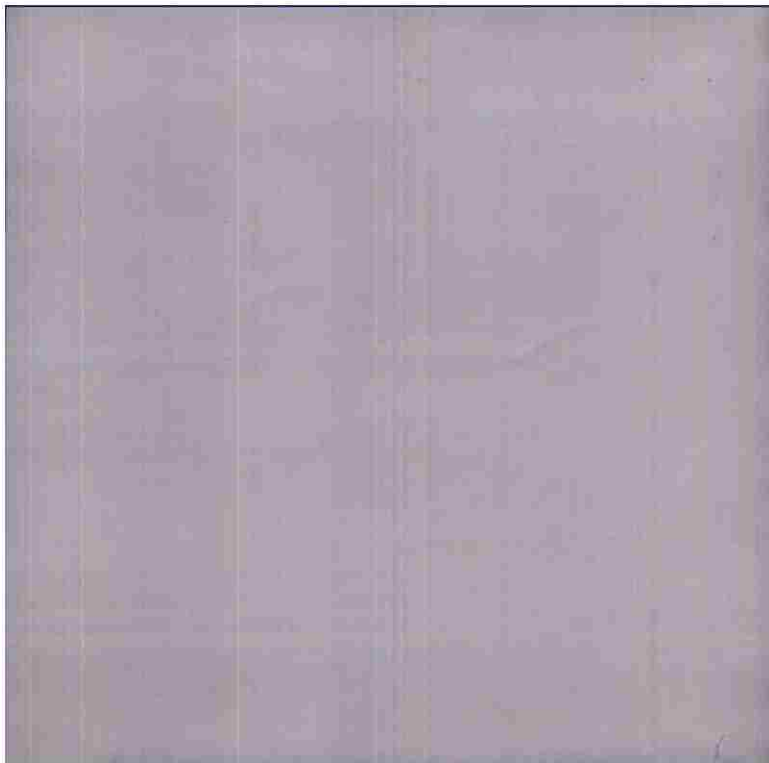
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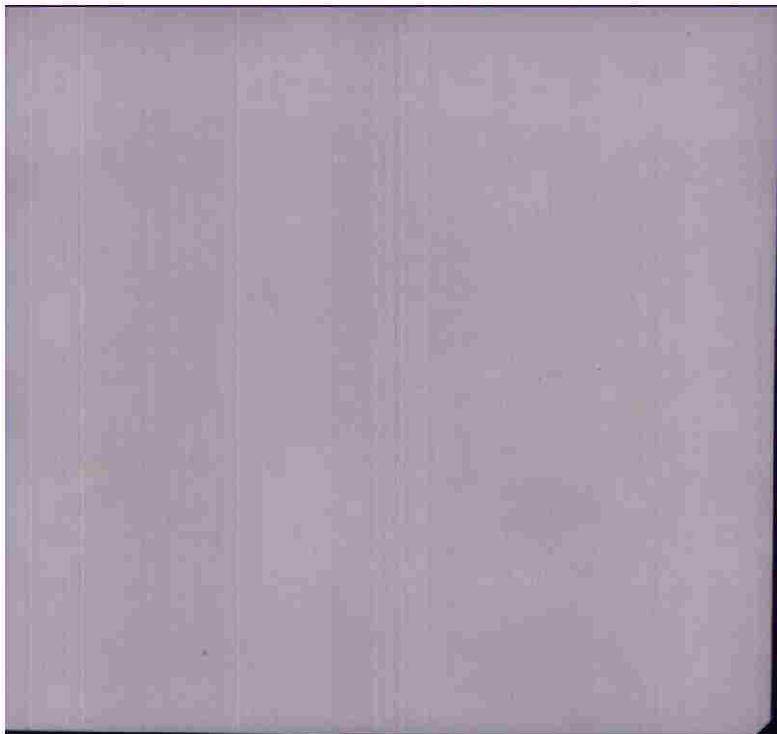
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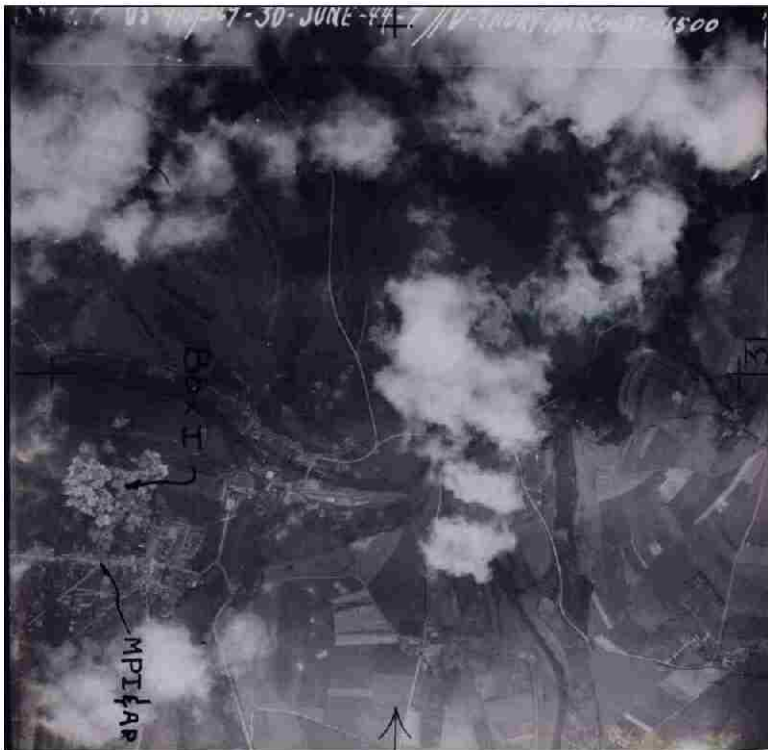
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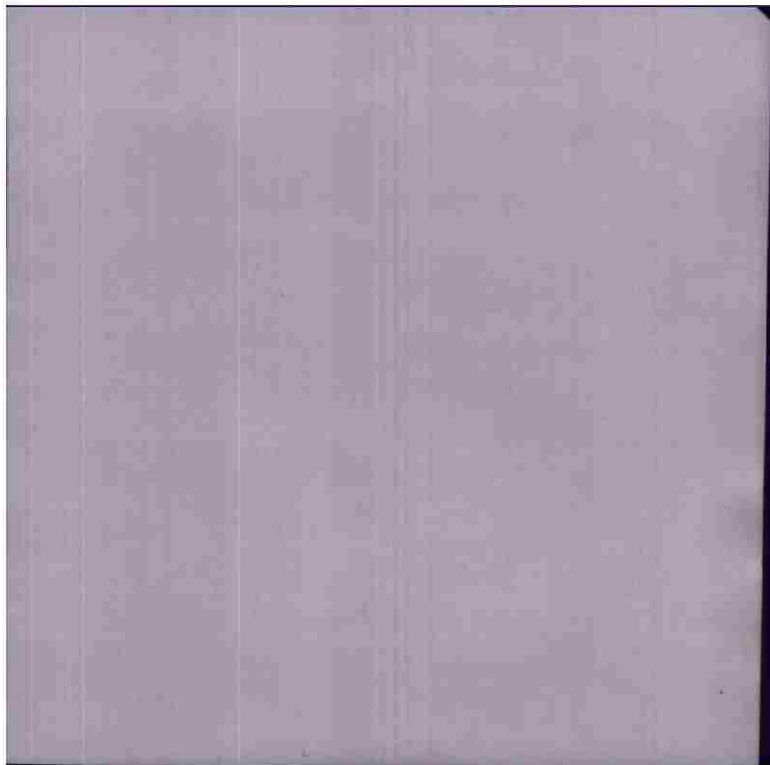
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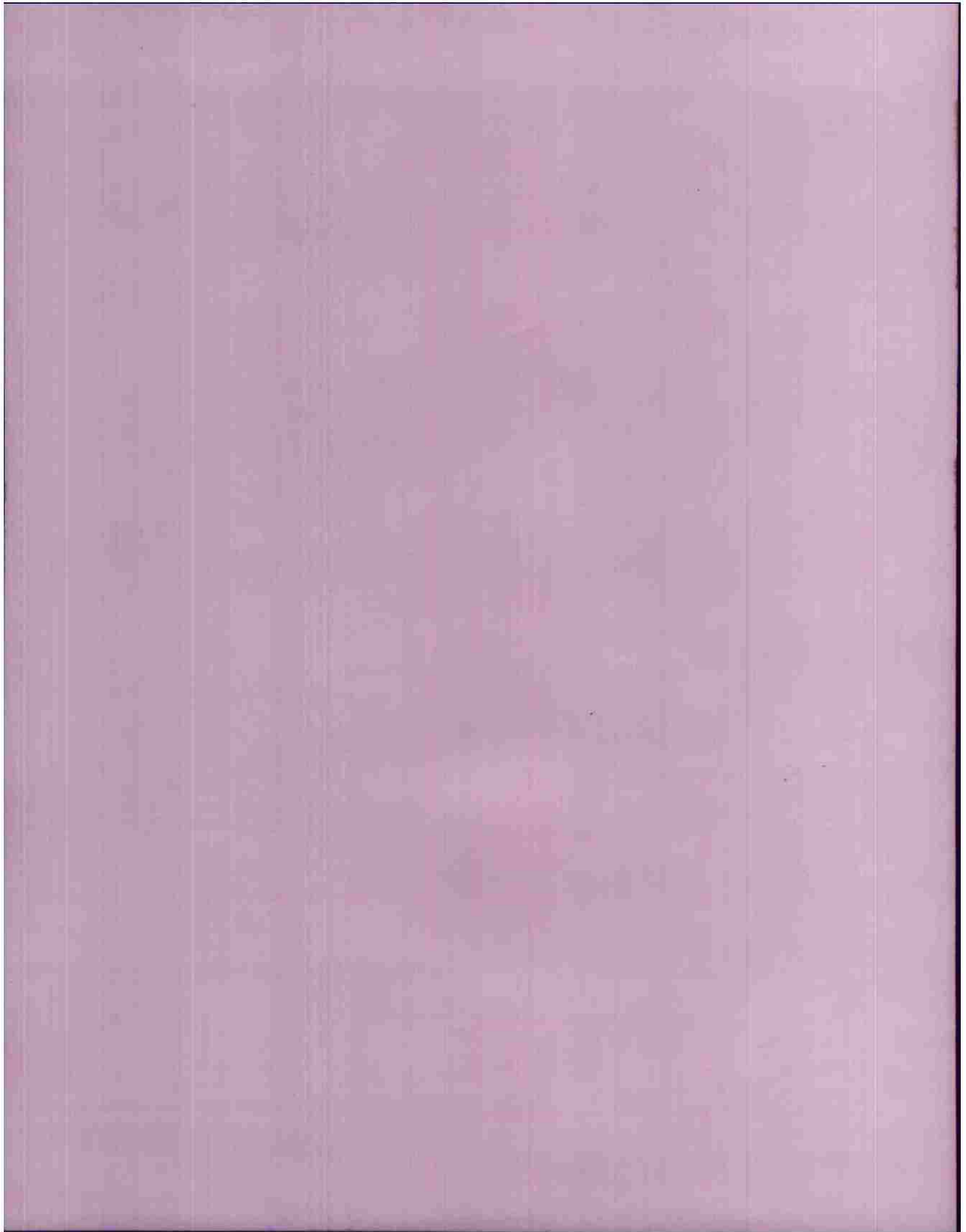


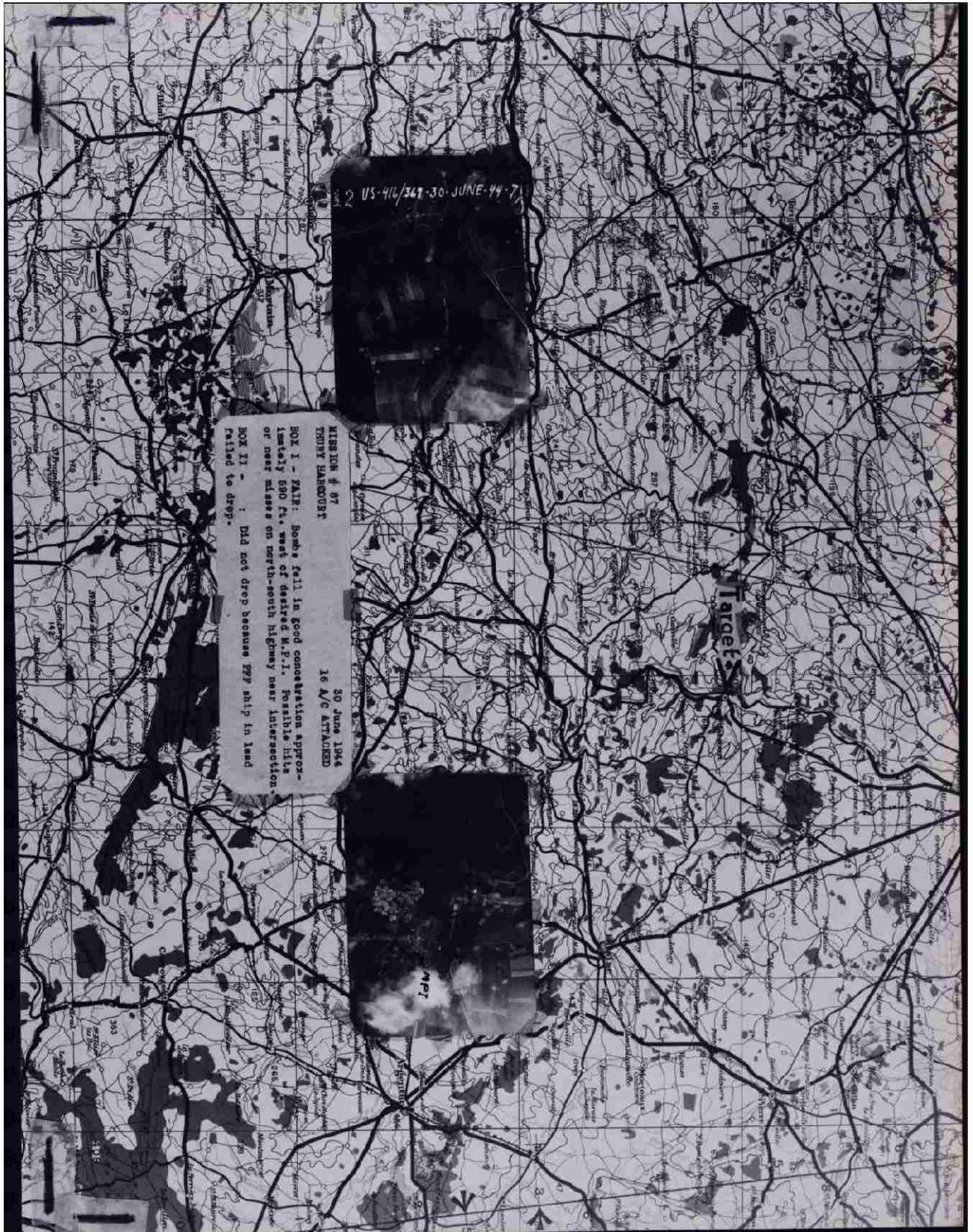
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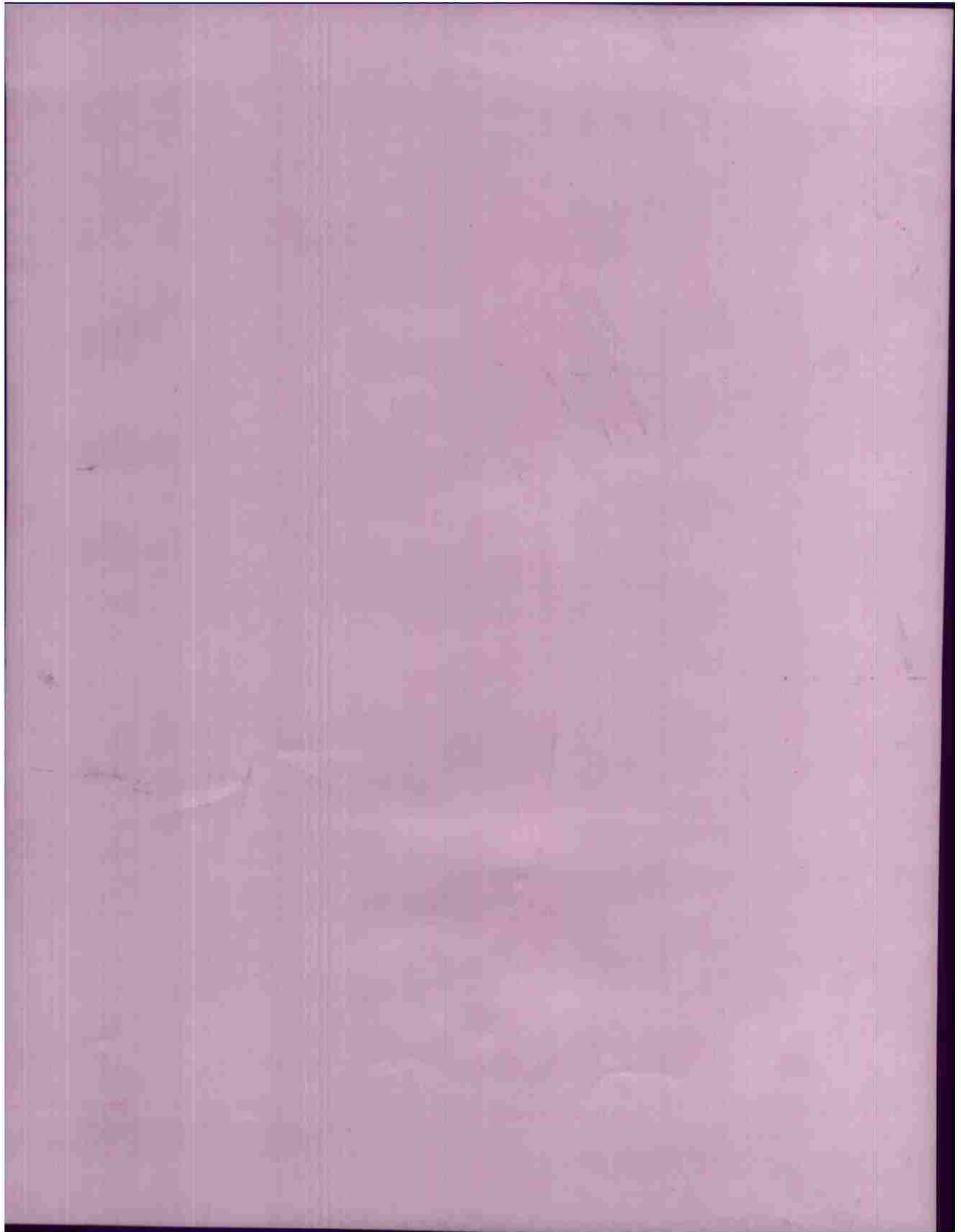
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GENERAL INDEX

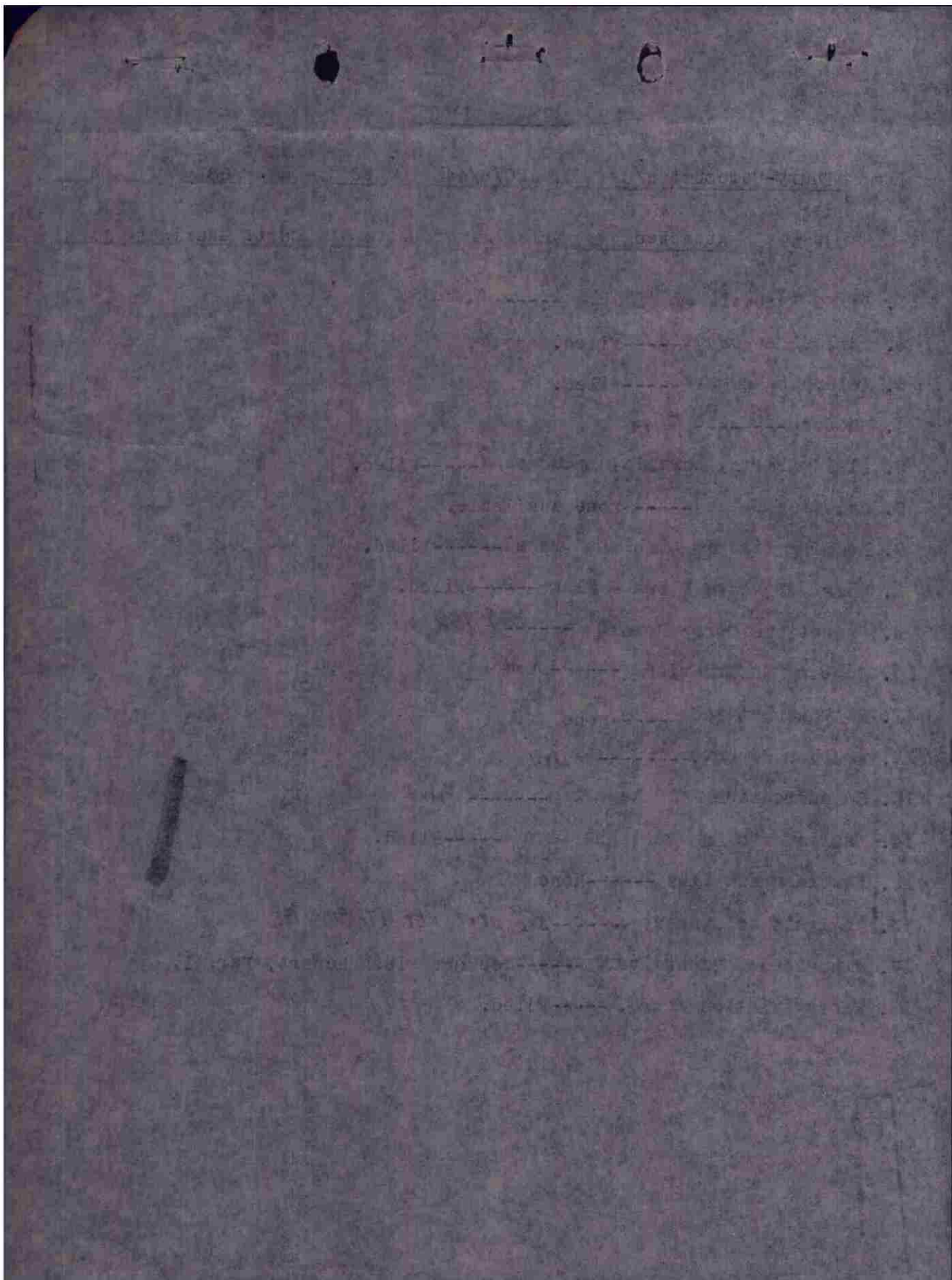
Target Thury-Harcourt R/S Date 30/6/44 No. A/C 33 Mission No. 88 F/O 404
 Status Attacked Briefing Officer Capt. Sheridan

1. IX BC Synopsis of Mission ----- *Filed*.
2. Opflash Report ----- *Filed*.
3. Telephone Report ----- *Filed*.
4. Photos ----- *Filed*
5. Field Orders, Annex's, Amendments ----- *Filed*.
6. Briefing Notes ----- *none available*.
7. Loading List of Airplane Crews ----- *Filed*.
8. Chart of Route Flown & Flak ----- *Filed*.
9. Operations Oprep Report ----- *Filed*
10. Bombing Information ----- *None*
11. E/A Encountered ----- *none*
12. Weather Reports ----- *Filed*
13. Communication "YB" Report ----- *Filed*
14. Navigator's Log & Flight Plan ----- *Filed*.
15. Battle Casualties ----- *None*
16. Analysis of Gunnery ----- *See OPER REPORT, PAR E.*
17. Ammunition Expenditure ----- *See Ops Flash Report, Par. I.*
18. Recapitulation Forms. ----- *Filed*.

00091893

P.B.C.

33



MISSION SUMMARY

Target: Thury Harcourt (Road Centers)
Date : 30 June 1944
F/O : #404
Results: Box I (Fair (PPF))
Box II- No attack

THURY HARCOURT (ROAD CENTERS)

416 BG: 35 a/c dispatched, 16 dropping 57 x 500, 6 x 300 GP on primary.
3 a/c carried only window.

16 a/c failed to bomb: PPF failure.

No losses, casualties, battle damage. Bombing by a box of
16 a/c from 11,600 feet. PPF technique employed.

Box I - FAIR. Good concentration 590 feet West of desired
M.P.I. Possible hits, near misses on N-S highway near
intersection.

Box II- NO ATTACK. PPF a/c failed to drop due to failure of
ground station.

OICOG OILAI V YAA YAA 19/30 0P

FROM 416TH BOMB GROUP (L) 30/2015B
 TO HQ IX BOMBER COMMAND ATTN: A-2
 HQ 97TH COMBAT WING ATTN: A-2

U-469-D ~~IE~~ OPERATIONAL PRIORITY CONFIDENTIAL

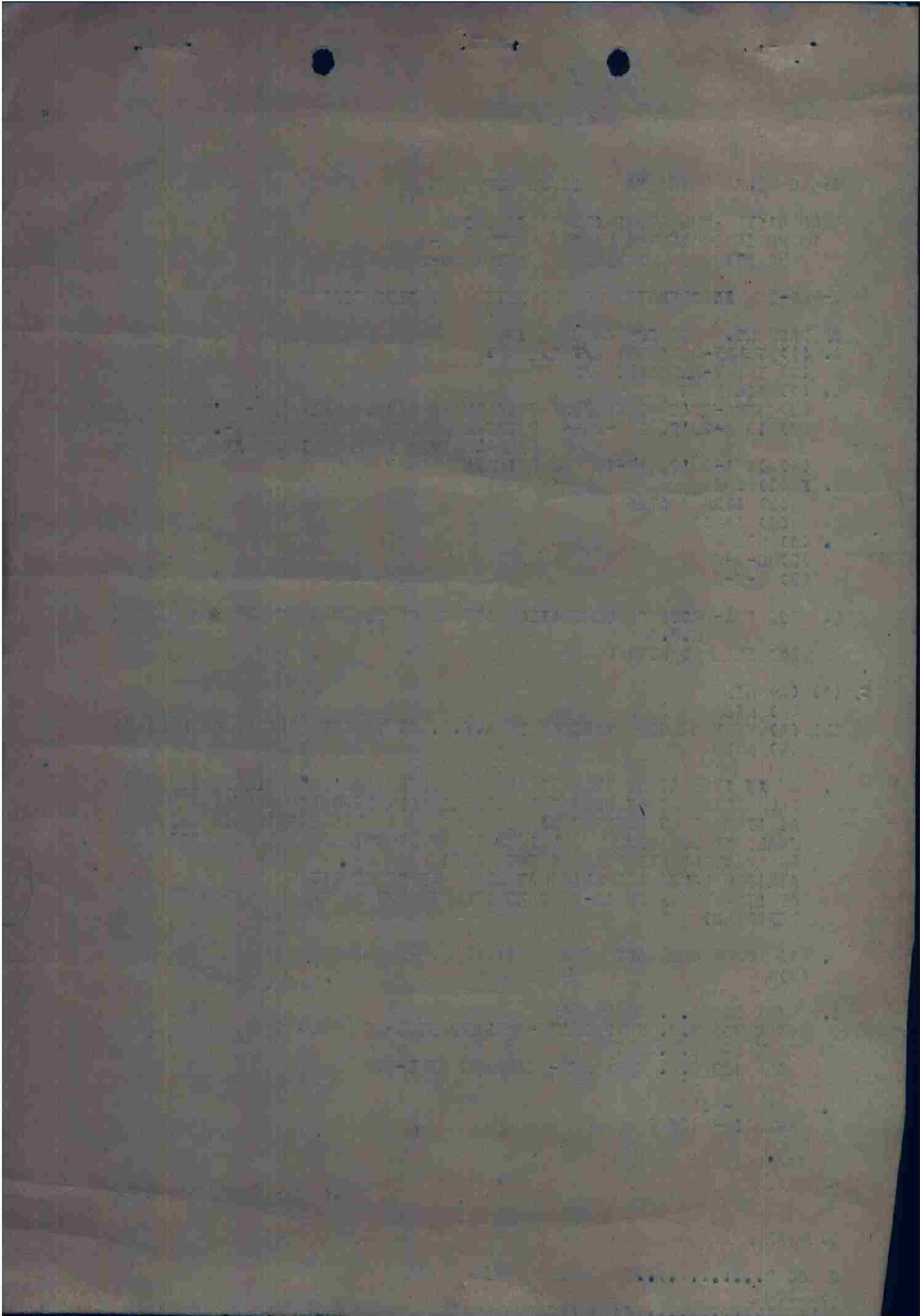
OPFLASH NO. 87 FOR 30 JUNE 1944

- A. (1) THURY-HARCOURT X/X R/S
 (2) THURY-HARCOURT R/S
- B. (1) 416TH BG
 (2) 33 A-20'S INCLUDING 3 CARRYING WINDOW ONLY 2 B-26'S
 (3) 15 A-20'S, 1 B-26-- PATHFINDER EQUIPMENT FAILURE-, NO DROPPING
 SIGNAL GIVEN BY PATHFINDER XX A/C
 (4) 15 A-20'S, 1B-26 ON PRIMARY
- C. X (1) 1524
 (2) 1724 1726
 (3) 1900
- D. (1) NIL
 (2) 0-0-0
 (3) 0-0-0
- E. BOX I K- GOOD CONCENTRATION AT EDGE OF WOODS SOUTH WEST OF BRIERED
 M.P.I
 BOX II NO ATTACK
- F. (1) (A) NIL
 (B) NIL
 (2) (A) VERY MEAGER INACCUARATE H.F.F. AT TARGET AREA (UNSEEN FINE)
 (B) NIL
- G. AT ~~IX~~ 1753 AT 50 DEGREES 18 MIN NORTH 00°08'W DINGHY SIGHTED
 FROM ALTITUDE OF 9000 FEET (PREVIOUSLY REPORTED AS HOT NEWS)
 AT 1743 AT 49 DEGREES 33 MIN NORTH 00 DEGREES 12 MIN WEST
 SMALL YELLOW OBJCT BELEIVED TO BE DINGHY SIGHTED FROM 11500 FEET.
 (PREVIOUSLY REPORTED AS HOT NEWS)
 AT 1738 LARGE OIL SLICK AT MOUTH OF SEINE RIVER
 AT 1724 TRAIN OF 15-20 CARS SEEN IN M/Y AT TARGET (PREVIOUSLY
 REPORTED)
- H. (1) 9/10 OVERCAST WITH SCATTERED OPEN AREAS
 (2)
- I. 57 X 500 G.P. ON PRIMARY
 6 X 300 G.P. ON PRIMARY-CARRIED BY B-26
 74 X 500 G.P. RETURNED
 I 6 X 300 G.P. RETURNED- CARRIED BY B-26
- J. BOX I - 11600
 BOX II - 12500

BT 30/2015B
 AS

OJMD AR AR

OICOG R.....30/2045B FIG AR
 WOICOO
 OILAI R.....6:130/2045B FK AR



CONFIDENTIAL

7 July 44

#88

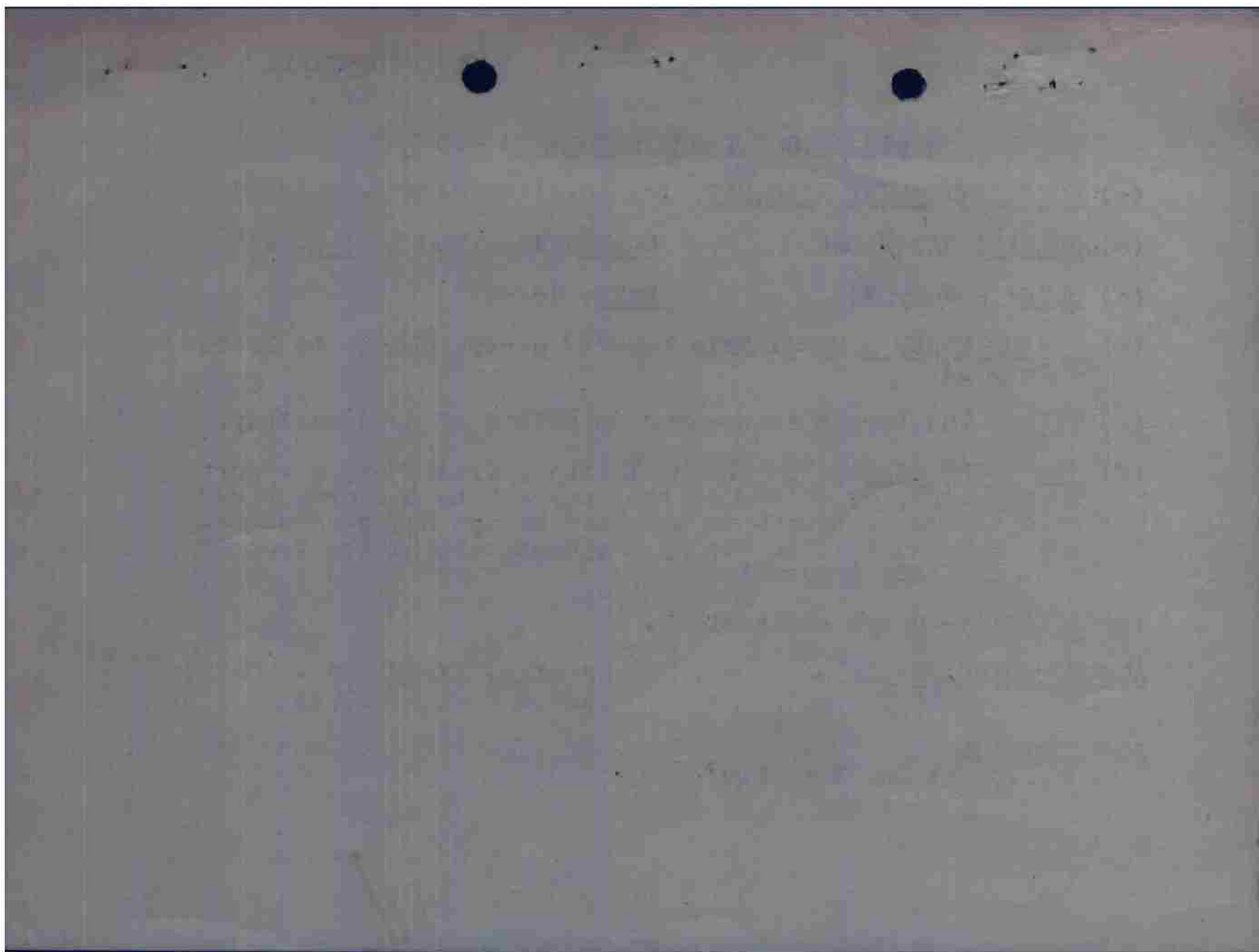
NINTH AF 2ND PHASE REPORT US10/D 197

- (a) LOCALITY: THURY HARCOURT (G.S.G.S. 4250/7F3 - 941468)
- (b) SORTIE: US34/1096 SCALE: 1/14,500 F.L. 24"
- (c) DATE: 6 July 44 HOOR: 1540B
- (d) PERIOD UNDER REVIEW: This report covers damage to 1540B
6 July 44.
- (e) COVER: The target is covered on prints of good quality.
- (f) STATEMENT ON DAMAGE: The rail line S from Thury Harcourt
has been cut at 43745B on the approach to the Orne river
bridge. The approach to the road bridge has been cut at
936478. The road to Meslay has been cut and the town is
approximately $\frac{1}{2}$ devastated.
- (g) ACTIVITY: 2 M/T are visible.

ANNOTATED PRINT: NoneSortie: US34/1096 - 1047,48
1540B 6.7.44CONFIDENTIAL

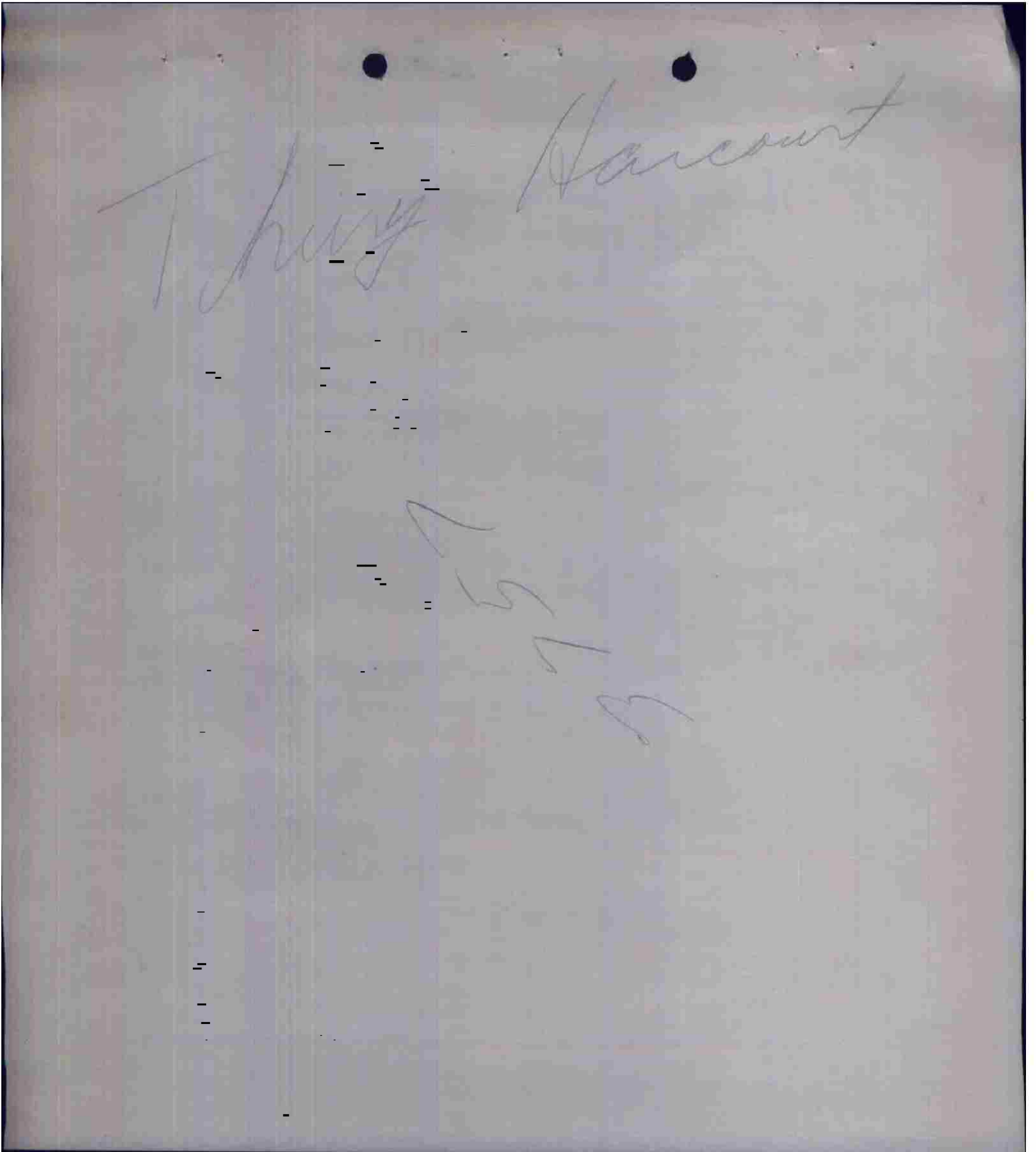
20th P.I.D. at Hq. 10th P.G.

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Handwritten notes: "Could have been low on gas almost"

Handwritten notes: "2-9 by Baker" and "Baker" with a checkmark

15 - MINUTE REPORT

Based on interrogation of 1st crew to land (presumably a box leader) at a/c hardstand. Telephone Command and wing within 15 minutes of the landing.

1. Bombing Results (inc. No. of runs on target.)

Primary target bombed

Handwritten notes: "Worst target" and "4th run" above the primary target line

Results:

If not -- why?

Handwritten notes: "high altitude run than good" and "left a slight run"

Other target bombed

Results:

2. Weather as it effected mission:

Target: Area 350

Route:

3. Flak (Intensity, accuracy, type)

Target: X 11

Route:

4. E/A encounters (strong, mediocre, meager, nil - available details.)

5. Deviations from Route: PEF

6. Special Comments:

Handwritten initials: "JDT"

INSTRUCTIONS

If the leader of the first box to land cannot report for the second box, the leader of the second box also will be met at the a/c hardstand and interrogated similarly.

In interrogating these first crews, the S-2 interrogating officer should have a map with overlay on which the route as flown can be drawn. (Plotted route should not be used.)

P.O.S-2 Form No. 106 Prepare separate sheet for each target bombed

OPER UNITS:	TARGET	IX BC WING 97TH	:
:	:	:	:
:	DATE	30 June 1944	:
:	:	:	:
:	ATTACKING UNIT	2 Boxes	:
:	:	:	:
:	:	:	416TH GROUP
:	:	:	THURY BARCOURT
:	FIRST PHASE INTERPRETATION	TARGET HIT	:

6. TARGET BRIEFED THURY BARCOURT PRIMARY
 SECONDARY
 CASUAL

M.P.I. Box I - Intersection of highways at south edge of town.
Box II - Same as Box I.

A.P. Same as M.P.I.

7. TARGET ATTACKED THURY BARCOURT MILES FROM THE PRIMARY
 DIRECTION FROM PRIMARY

COORDINATES (If non-descript PINPOINT) ON 1:50,000 MAP NO. 1-2-36

NO. AND TYPE OF A/C DISPATCHED 30 A-20's NO. OF A/C ATTACKING 15 A-20's

BOMBING BY 3's, 6's, 12's, 18's 15's IN FOLLOWING ORDER 1.

NO. AND TYPE OF BOMBS DROPPED 57 x 500 GP FUSING 1/10 nose 1/40 tail
6 x 500 GP FUSING Same as above.

8. HEADING OF A/C WHERE BOMBS DROPPED 305 Degree

9. TIME BOMBS DROPPED 1724

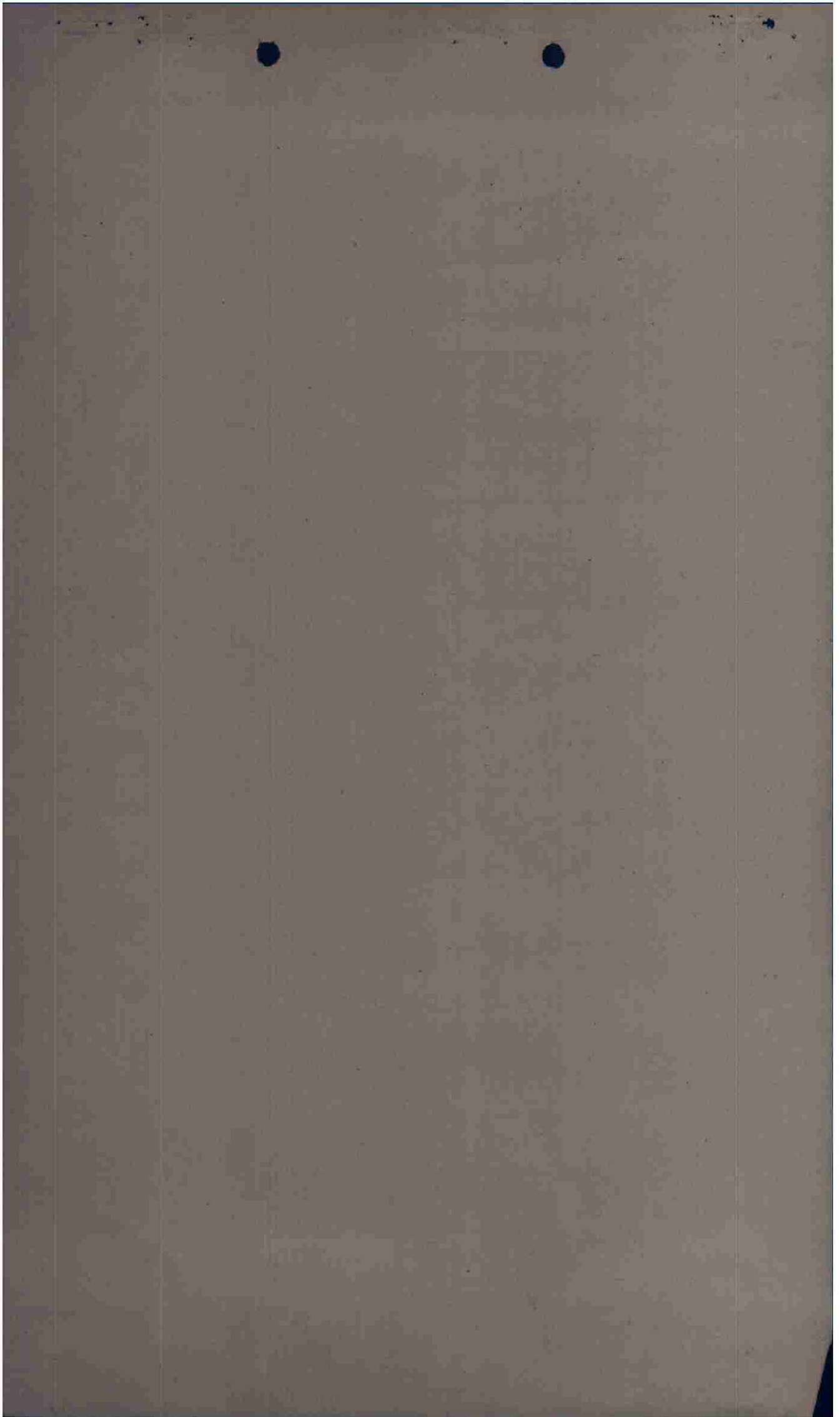
10. ACTIVITY AT TARGET

RESULTS OF BOMBING:

BOX I - MAIN: Bombs fell in good concentration approximately 800 ft. west of desired M.P.I. Possible hits or near misses on north-south highway near intersection.

BOX II - : Did not drop because PFF ship in lead failed to drop. Dropping signal or indication that PFF equipment was not working was not given.

Lloyd H. Perkins
 LLOYD H. PERKINS,
 Lt., Air Corps,
 Asst. Photo Intelligence Officer.



IX B.C. 3-2 Form No. 105

PHOTOGRAPHIC REPORT

CAMERAS INSTALLED	<u>7</u>	<u> </u>	<u> </u> %	GROUP	<u>416TH</u>
CAMERAS PHOTOGRAPHING	<u>3</u>	<u>100</u>	<u> </u> %	WING	<u>97TH CEW</u>
CAMERA FAILURES	<u>0</u>	<u>0</u>	<u> </u> %	DATE	<u>30 June 1944</u>
PERSONNEL FAILURES	<u>0</u>	<u>0</u>	<u> </u> %		
OTHERS	<u>4</u>	<u> </u>	<u> </u> %		

	<u>724</u>			TARGET	<u>Thury Harcourt</u>
				ALT.	<u>11600</u> ft
<u>210</u>				TRUE AIR SPEED	<u>190</u> mph
		<u>195</u>		GROUND SPEED	<u>210</u> mph

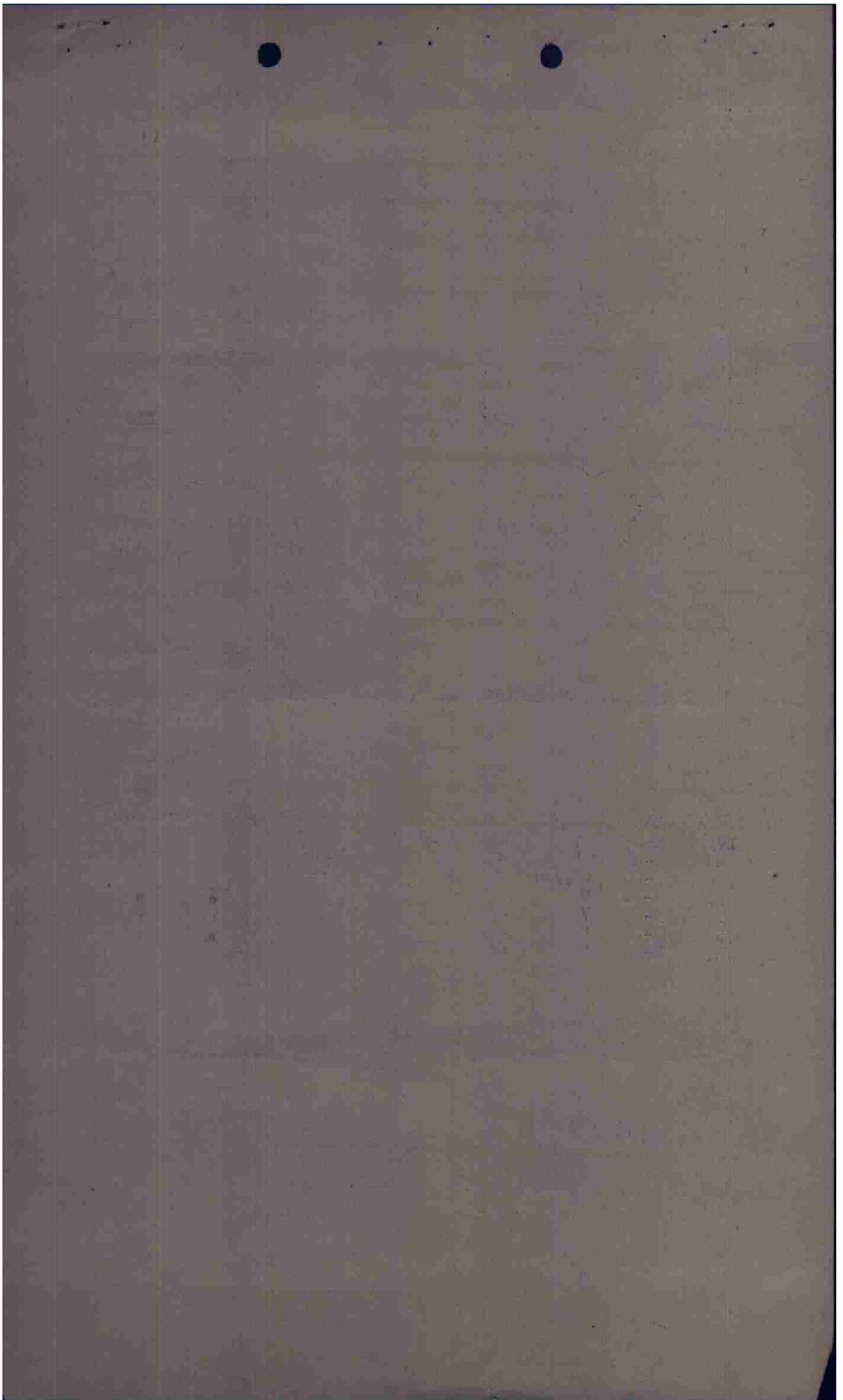
	<u>135</u>			TARGET	<u>Thury Harcourt</u>
				ALT.	<u>12100</u> ft
				TRUE AIR SPEED	<u>190</u> mph
<u>689</u>	<u>750</u>		<u>717</u>	GROUND SPEED	<u>210</u> mph

				TARGET	<u> </u>
				ALT.	<u> </u> ft
				TRUE AIR SPEED	<u> </u> mph
				GROUND SPEED	<u> </u> mph

BOX NO.	A/C NO.	CAM. TYPE	F.L.	INT.	PRINTED SORTIES	UNPRINT. SORTIES	EXPLANATION
1	195	K-24	7	2	369		
1	210	K-24	"	2		370	
1	724	K-20	6 3/8			111	See remarks.
2	135	K-20	"				" "
2	689	K-24	7	2			" "
2	750	K-24	"	2			" "
2	717	K-24	"	2			" "

REMARKS: 2nd box did not drop their bombs.

F. J. Cochran 1st Lt. A.C.
 Photographic Officer



OICOG CIYAA OIHAK OICOG V OILAI 4/36 OP

FROM: 97TH COMBAT BOMB WING: 30/1646B
 TO COMBOMCON IX
 COBOMGP 409
 COBOMGP 410
 COBOMGP 416

U-188-E

OPERATIONAL PRIORITY BT
 SECRET SENT IN CLEAR AUTH: LT. COL. MC AFEE

97TH COMBAT BOMB WING
 APO 140
 30 JUNE 1944

FIELD ORDER NO. 107-404

MAPS: NORMAL

1. B. (1) SEE CURRENT BOMB LINE
 (2) NINTH FIGHTER COMMAND WILL FURNISH ESCORT FOR THIS WING.

ZERO HOUR 30/1700B

3. A. 409TH GROUP.

- (1) 4801W/0/6
 (2) 2 BOXES OF 15 A/C
 (3) WITH P-47'S FIGHTERS AT BEACHY HEAD AT 10,000 FEET ONE BOX ZERO HOUR PLUS 37 MIN. ONE BOX ZERO HOUR PLUS 40
 (4) BASE TO SANDWICH TO BEACHY HEAD TO 49 DEG. 49 MIN. NORTH 00 DEG. 32 MIN. EAST TO 49 DEG. 05 MIN. NORTH 00 DEG. 48 MIN. EAST TO 48 DEG 55 MIN. NORTH 00 DEG. 33 MIN. EAST TO TARGET.
 (5) TARGET TURN LEFT TO 48 DEG. 50 MIN. NORTH 00 DEG. 22 MIN. EAST TO 49 DEG. 17 MIN. NORTH 00 DEG. 07 MIN. WEST TO BRIGHTON TO FARNHAM TO HIGH WYCOMB TO BASE.
 (6) BOMB ONE BOX 10,000 FEET
 ONE BOX 10,500 FEET.
 (9) M.P.I. ILL. 4801W/49 REF. 062101
 (10) 6 X 500 LB. G.P. FUSED 1/10 SEC. NOSE 1/100 SEC. TAIL.

3. B. 410TH GROUP.

- (1) 4801W/0/2
 (2) 2 BOXES OF 15 A/C
 (3) WITH P-47 FIGHTERS AT BEACHY HEAD AT 10,000 FEET ONE BOX AT ZERO HOUR PLUS 59 MIN. ONE BOX AT ZERO HOUR PLUS 50 MIN.
 (4) BASE TO SANDWICH TO BEACHY HEAD TO 49 DEG. 49 MIN. NORTH 00 DEG. 32 MIN. EAST TO 49 DEG 05 MIN. NORTH 00 DEG. 48 MIN. EAST TO 48 DEG 46 MIN. NORTH 00 DEG. 25 MIN. EAST TO TARGET.
 (5) TARGET TURN LEFT TO 48 DEG. 50 MIN. NORTH 00 DEG. 02 MIN. EAST TO 49 DEG. 17 MIN. NORTH 00 DEG. 07 MIN. WEST TO BRIGHTON TO FARNHAM TO HIGH WYCOMB TO BASE.
 (6) BOMB ONE BOX 10,000 FEET.
 ONE BOX 10,500 FEET.
 (9) M.P.I. ILL. 4801W/49 REF. 044038
 (10) 6X500 LB. F.P. FUSED 1/10 SEC. NOSE 1/100 SEC. TAIL.

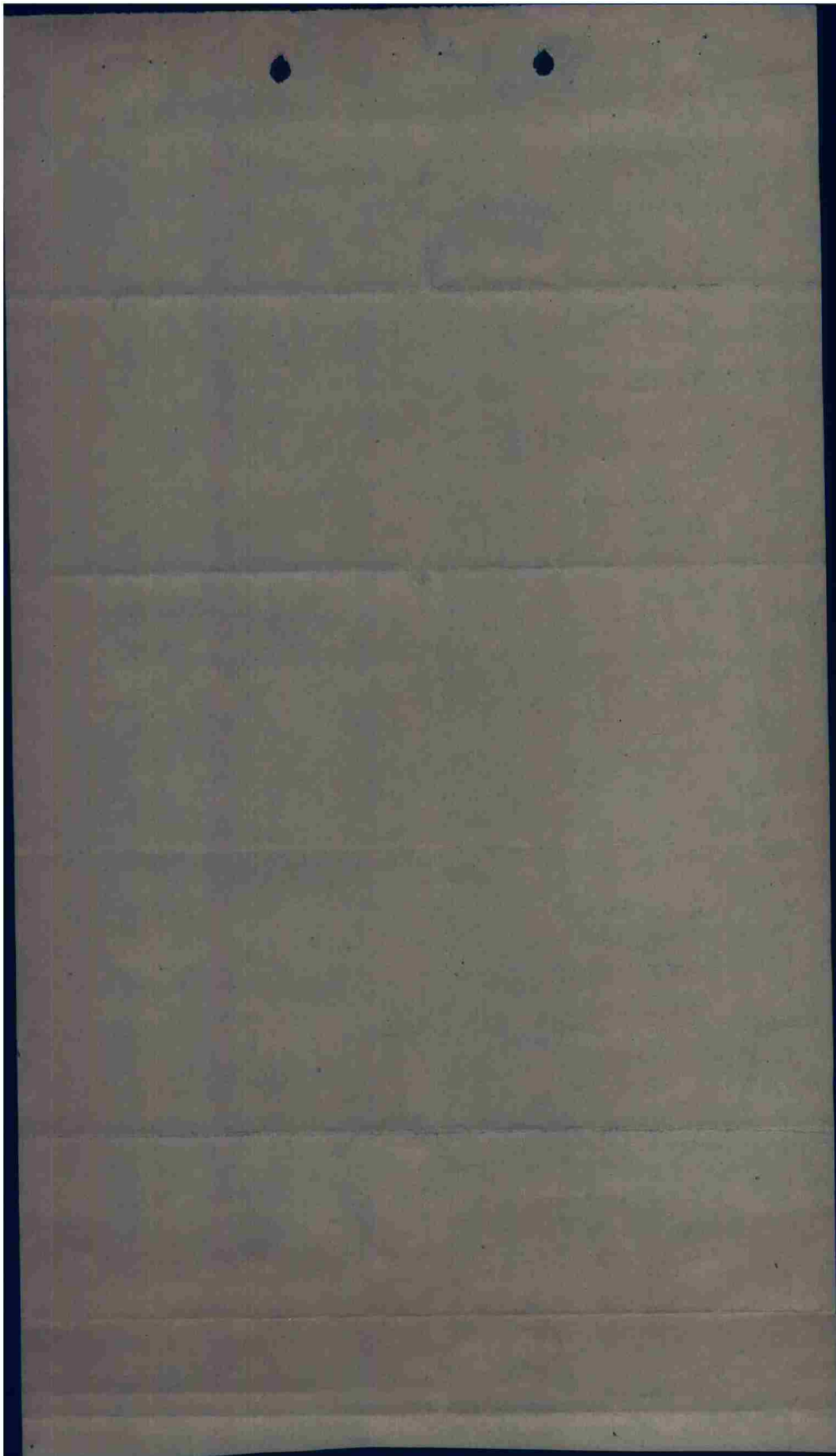
C. 416TH BOMB GROUP

- (1) 4801W/0/6
 (2) 2 BOXES OF 15 A/C
 (3) WITH P-38 FIGHTERS AT BEACHY HEAD AT 11,000 FEET
 ONE BOX AT ZERO HOUR MINUS 25 MIN.
 ONE BOX AT ZERO HOUR MINUS 24 MIN.
 (4) BASE TO SANDWICH TO BEACHY HEAD TO 49 DEG. 49 MIN. NORTH 00 DEG. 32 MIN. EAST TO 49 DEG. 05 MIN. NORTH 00 DEG. 48 MIN. EAST TO 48 DEG. 55 MIN. NORTH 00 DEG. 33 MIN. EAST TO TARGET
 (5) TARGET TURN LEFT TO 48 DEG. 50 MIN. NORTH 00 DEG. 22 MIN. WEST TO 48 DEG. 50 MIN. NORTH 00 DEG. 02 MIN. EAST TO 49 DEG. 17 MIN. NORTH 00 DEG. 07 MIN. WEST TO BRIGHTON TO FARNHAM TO HIGH WYCOMB TO BASE
 (6) BOMB ONE BOX 11,500 FEET ON PPF
 ONE BOX 12,000 FEET ON PPF
 (9) M.P.I. ILL. 4801W/49 REF. 060101
 (10) 6 X 500 LB. G.P. FUSED 1/10 SEC. NOSE 1/100 SEC. TAIL

F. (1) TO (4) NO CHANGE.

- (5) BOMB ON PPF A/C REGARDLESS OF WEATHER CONDITIONS.
 BOMB VISUAL ONLY IF PPF A/C HAS MALFUNCTION AND CANNOT RELEASE AND INFORMS FORMATION LEADER TO BOMB VISUAL
 (6) ALL GROUPS WILL RENDEZVOUS WITH PPF A/C OVER THEIR RESPECTIVE FIELDS





4. NO CHANGE

5. COMMUNICATIONS:

A. 409TH BOMB GROUP.
(2) BROADLONG
(3) ANGELA

B. 410TH BOMB GROUP.
(2) TIDUAY
(3) HODDY

C. 416TH BOMB GROUP.
(2) UPSTART
(3) TOWNER

X. GENERAL INFORMATION.

(3) SUBSTITUTE 10A FOR 5A, 13C, FOR 9C
(8) "C" SIGNAL ON SOUTHERN UTAH AND SOUTHERN ARIZONA INOPERATIVE
BETWEEN 1700-1900. OTHER GEE INFORMATION S.O.P.
(10) BATV/DATV

COCBTWIG 97

BT 30/1640B
LCB/UCB AR

CC: 3. A. (5) TARGET TURN LEFT TO 48 DEG. 50 MIN. NORTH
50 DEG. 22 MIN. WEST TO 48 DEG. 50 MIN. NORTH
50 DEG. 02 MIN. EAST TO 49 DEG. 17 MIN. NORTH
50 DEG. 07 MIN. WEST TO BRIGHTON TO FARNHAM TO HIGH WYCOMB
TO BASE.

3. D. (3) WITH P-47 FIGHTERS AT BEACHY HEAD AT 10,000 FEET
ONE BOX AT ZERO HOUR PLUS 50 MIN. ONE BOX AT ZERO
HOURPLUS 60 MIN.

OIGOF

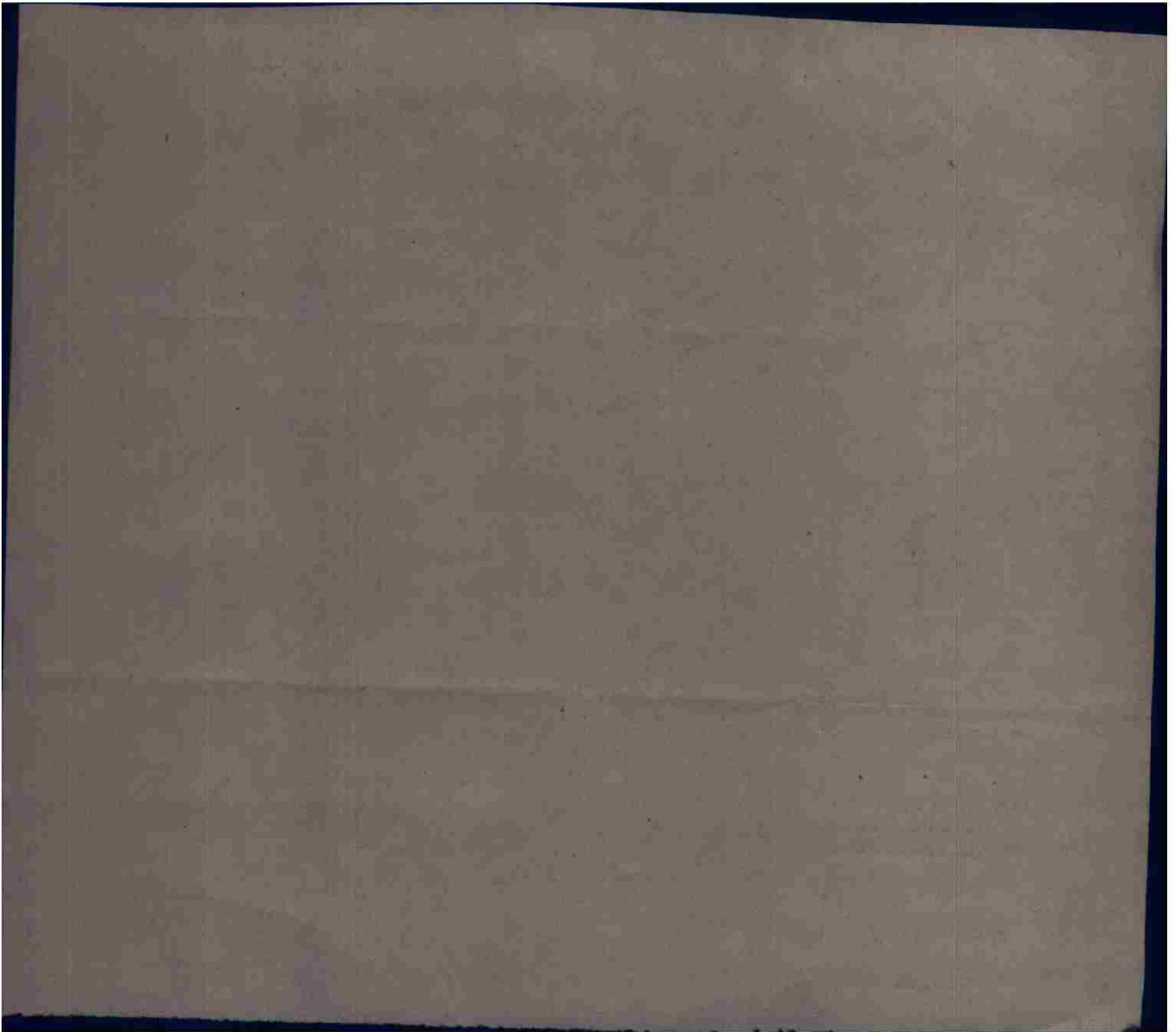
OIHAK R.....30/1730B
OIGOF R.....

FR AR K

2330 INK NEED CC: PLS

TIC
OIVAA R.....30/1727B JMD AR

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COG V YAA YAA 25/30 P

FROM 416TH BOMB GROUP, NINTH BOMBER COMMAND 30/2210B
NO ADV. . HQS. 9TH AIR FORCE ATT: A-2

IX U-476-D CONFIDENTIAL PRIORITY 30 JUNE 1944

FIRST PHASE REPORT S/A PHOTOS 30 JUNE 1944

A. THURY-HARCOURT

B. SAME AS A

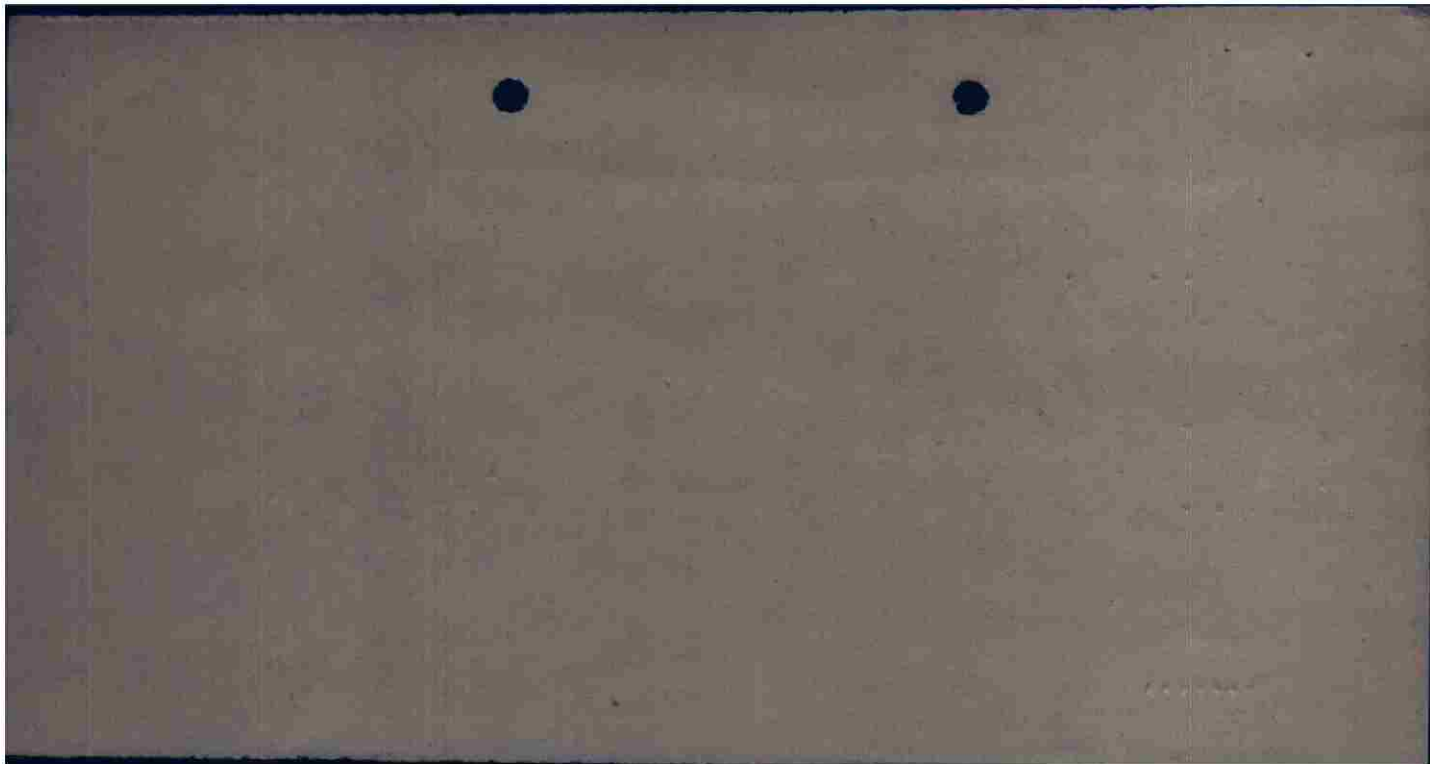
K. BOMBS FELL IN GOOD CONCENTRATION APPROX 590 FT. WEST OF DESIRED
M.P.I. POSSIBLE HITS OR NEAR MISSES ON NORTH-SOUTH HIGHWAY.

BT 30/2210B

JMD AR AR

COG R..... 30/2242V ELI BBBB

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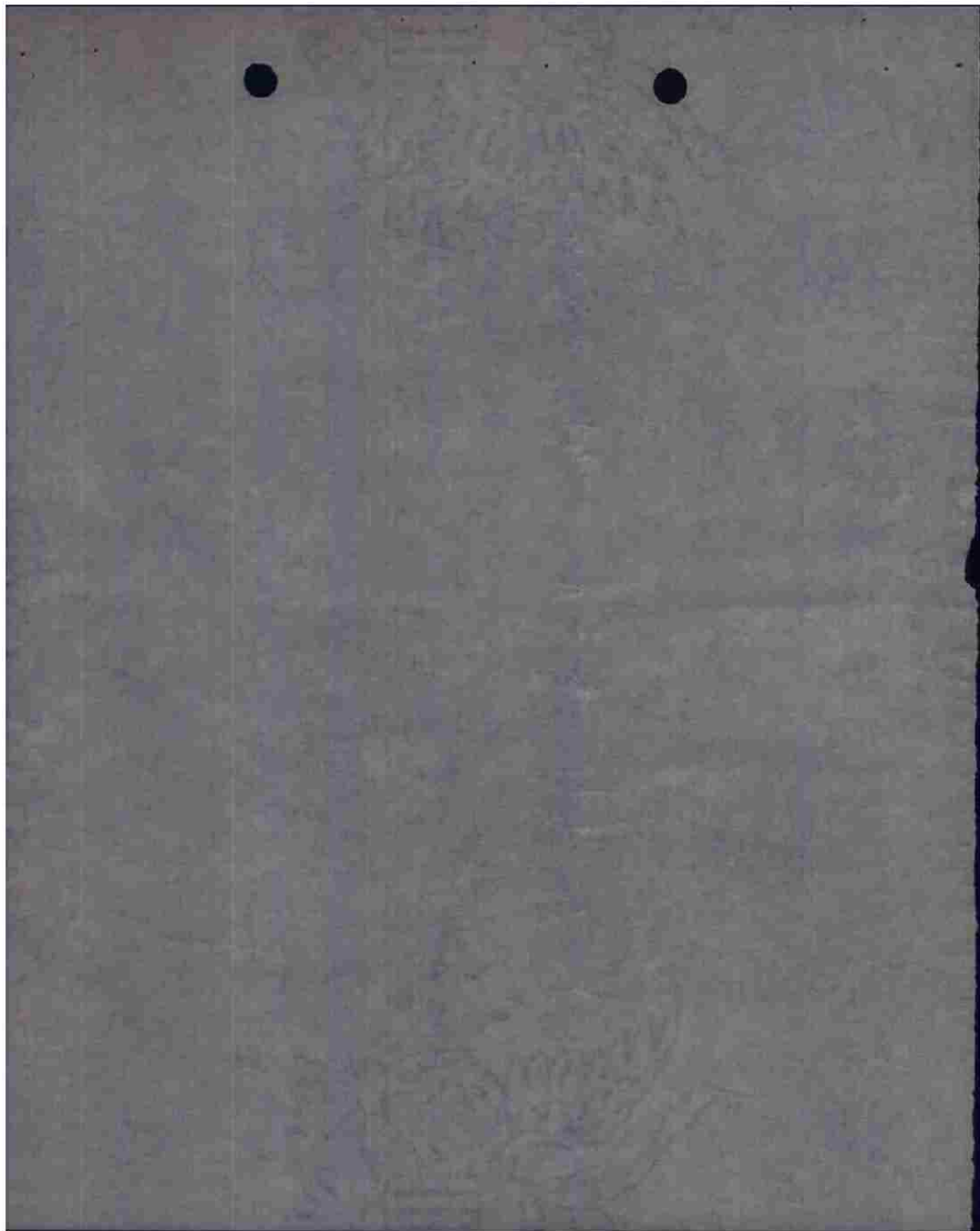


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Thury-Harcourt

June 14 - our formation had nil exp. in
area for 20 miles around target. Our
attack was from 12000 ft.

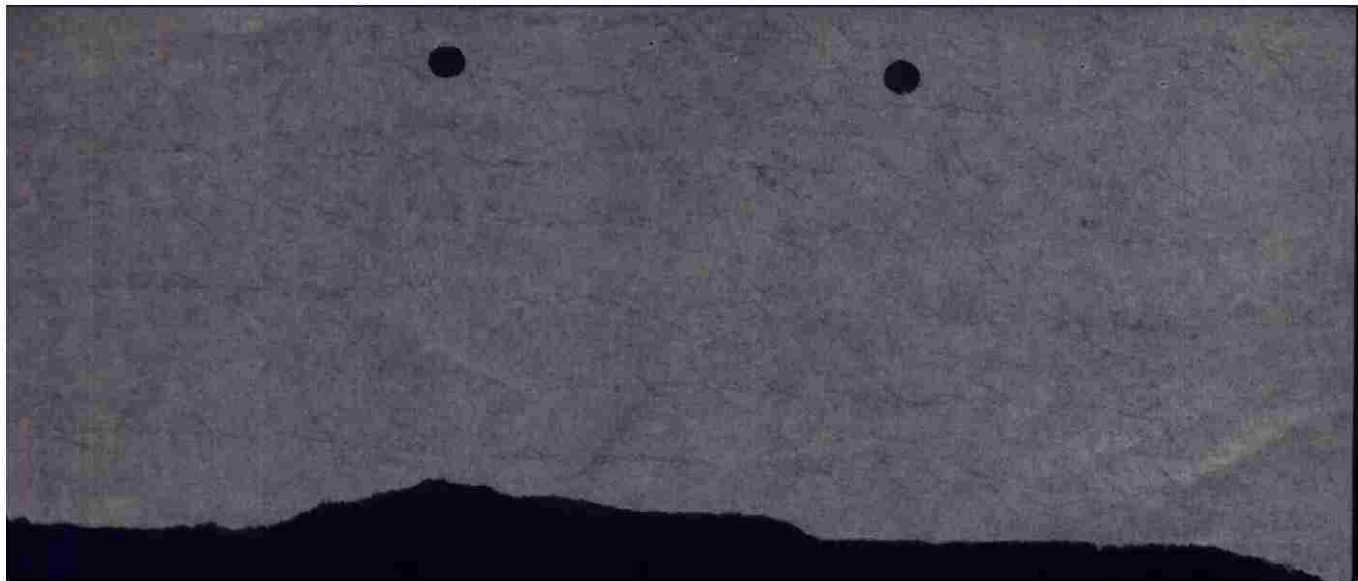
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THIS PAGE DECLASSIFIED IAW EO12958

975 W. 5th flight. 4 at base
no damage - no fish.
railroad bridge & road bridge seen
just S of target about 100 yds apart.
Large moving van going N on highway
before bombs away.
Train of 15-20 cars in mff at target

THIS PAGE DECLASSIFIED IAW EO12958



THIS PAGE DECLASSIFIED IAW EO12958

373 . Box 1 3 ft #1

all 4 dropped - overcast

H77 at target after Box 11. got over
Meager inaccurate

No E/A -

No obs. - Too overcast

711 Window - 2 miles - before
IP to R.P.

No Flak - no E/A

in field - after IP - 25 planes
that to be P 470 (?) - another
ship nearby.

Case Window 11700 ft.
started 49°05'N 0048E
(candidate) until point target.
No Flak No E/A

840 - Box II - 2nd Fl. #4 - No Bombs
dropped, P7 didn't drop.

H77 after target - meager inacc.

No E/A

No obs - Too overcast

1/2 M

892

Box II FLB-3

No Bomb dropped - PT didn't drop.

H 77 after Bombing doors open
 (about ~~Bill~~ Quilly) in bursts
 of 4 - meager - inaccurate
 unwar fire - level (12000 ft)
 No damage

No E/A - good track 38°.

Just SE of Target - in fire
 about 30 square of bright
 metal scattered about

3 F-4s Taurus directly below
 line of flight at Bomb bay doors
 open - no fire from them.
 Over cast

Hgr

Major. Deen

no damage

enemy coast - 1653

tot - 1724

out - 1738

12000 feet

{ 1743 - small obj. possibly dinghy. at
49°33' N 0°12' W - 11500 ft. yellow in color

719 - J. no damage

XHI just before target

4-8 boules on target

enemy coast - 1654

tot - 1724

out - 1742 1/2

3 barges seen in harbor at Le Harbor.
oil slick in harbor mouth.

57 x 500 GP.
6 x 300 GP

80
57
137
3
140

2 Rd concrete & masonry
Bridge - Steel on masonry
concrete 5-span - 125 ft - 25

Com. choke pts. Gr. forces requested
attack for purp of preventing 2d-9th
421st SS Panzer Div. which are
forming at SW & moving into
battle area for counter attack
despite being in position
Villers Bonchard.
Intent to destroy road beyond
use not at personnel or eq.

Trinity Harcourt
7000 p. St Valery
Capt Sheridan

Barrow Sandwich - back field
to Beachhead.

48° 49' N - 00 32' E
48° 05' N - 00 48' E
48° 55' N - 00 35' E
Target → left
48° 50' - 00 22' W
48° 50' - 00 05' E
49° 17' N - 00 07' W
50° 10' N - 00 00' W

0 - 1700
9:17 AM - 0-24
-25
11:000

16/49
082101
now
target
E-100
F-100
and 11
at 1700

MISSION NO 88

LOADING LIST
BOX I
FLIGHT I

30 JUNE 1944

1. 645 R
MAJOR L.F. DUNN
LT. H.T. ARRINGTON
S/S A.L. MAYHEW
S/S H.A. MARION

2. 724 A
LT. F.W. DEMAND
LT. R.J. HANLON
S/S K.L. JOHNSON
S/S C.W. MIDDLETON

3. 701 H
COL. H.L. MACE
S/S R.M. GRISWOLD
S/S P.E. COULOMBE

FLIGHT II

1. 719 V
CAPT. R.B. PRENTISS
LT. R.T. MC BRIEN
S/S J.C. MC CREERY
S/S H.J. SYLVA

2. 935 F-1
LT. C.C. MISH
S/S C.J. CLARK
S/S R.F. CHUSTZ

3. 975 W
LT. R.R. SVENSON
S/S P.G. FILD
S/S G.H. PFENNING

4. 176 T
LT. G.F. BARTMUS
S/S J.R. ORR
SGT S.H. GIESY

5. 379 G
LT. C.J. ANDERSON
SGT T.C. EGGA *Edgema*
SGT E.L. SCHAFER

6. 195 D
LT. F.W. HARRIS
S/S E.A. DAMICO
S/S D. HANTSKE

FLIGHT III

1. 640 Z
LT. J.R. MEAGHER
LT. J.J. BURG
T/S L.G. ROBBINS
S/S D.H. SIMPSON

2. 226 E
LT. E.B. KREH
S/S D.R. SCHENCK
S/S E. SHELTON

3. 907 O
CAPT. H.F. CONANT
S/S C.F. LOVE
S/S F.L. ADAIR

4. 210 Q
LT. L.G. PEEDE
SGT C. FETKO
SGT D.M. BROWN

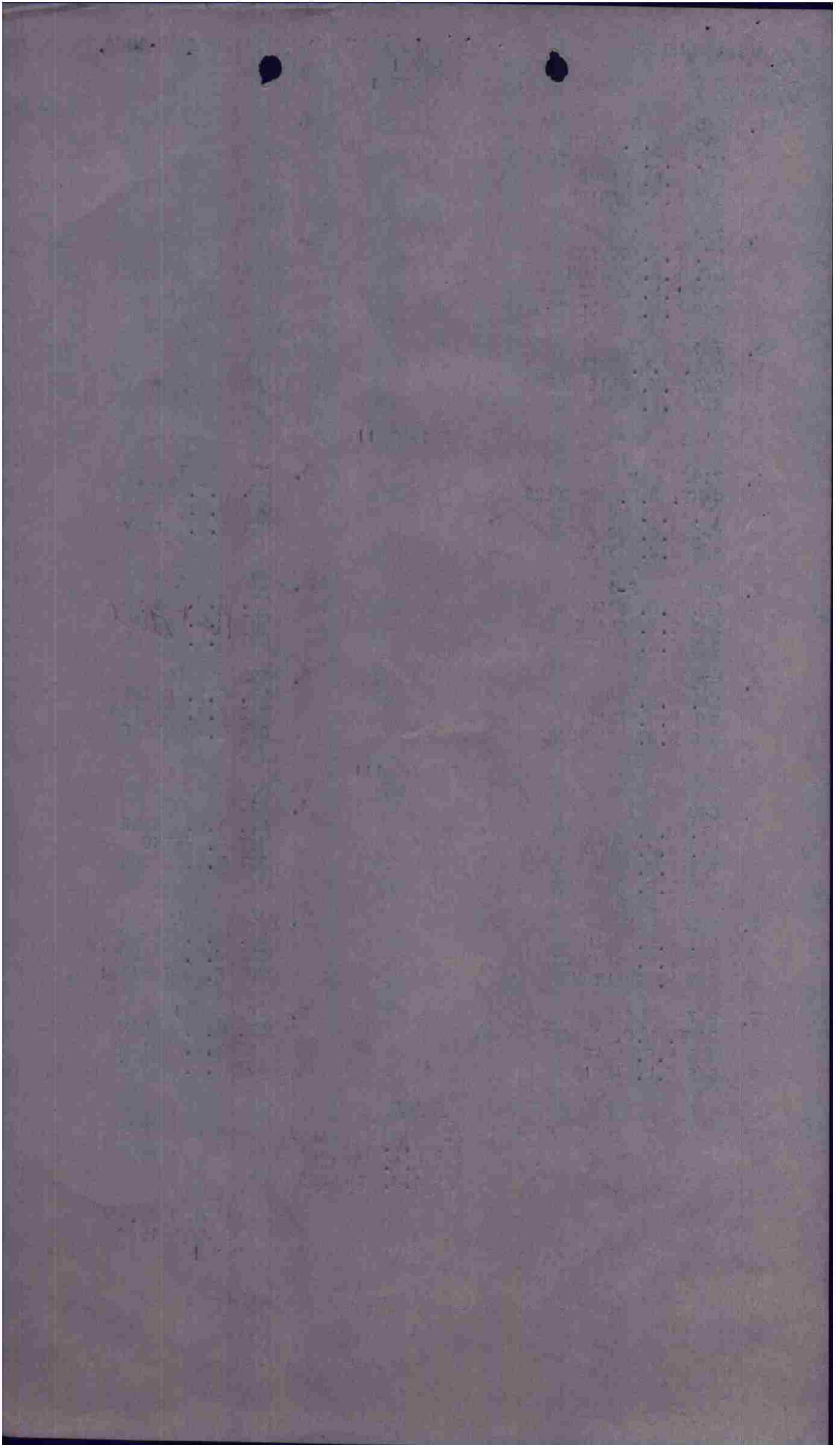
5. 362 L
LT. J.P. KENNY
SGT J.K. SPADONI
SGT F. NOTERIANI

6. 745 I
LT. A.J. WELSH
SGT R.E. WRIGHT
SGT S.G. NOVAK

SPARE

393 K
LT. R.C. MOREHOUSE
S/S L.A. ZYGIEL
S/S A.J. BURGESS

MISSION NO. 88
30 JUNE 1944
BOX I



MISSION NO. 88

LOADING LIST
BOX II
FLIGHT I

30 JUNE 1944

1. 135 T
MAJOR R.A. CLARK
LT. C.W. JONES
S/S J.O. SCOTT
S/S D.F. MALLORY
2. 467 W
LT. R.S. RUDISILL
LT. R.H. JOBST
S/S R.K. RILEY
S/S A.J. BONAMO
3. 743 W-1
LT. W.C. SIGGS
S/S R.W. NICKS
S/S M. RADLICH

FLIGHT II

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. 712 H
LT. R.J. MORTON
LT. J. MADENFORT
S/S C.L. WEBB
S/S F.M. GITTY 2. 390 G
LT. N.V. SHAINBERG
SGT L.B. KEMPER
SGT L.R. FLEMING 3. 147 K
LT. E.R. HAYTER
S/S F.E. MELOCHIR
S/S R.G. HOLLOWAY | <ol style="list-style-type: none"> 4. 840 Y
LT. T. BOUKAMP
S/S R.J. COLOSIMO
S/S J.S. WING 5. 717 N
LT. A.J. VLEGHELS
S/S R.W. RICE
S/S C.E. YOUNG 6. 376 O
LT. R.B. ROBERTSON
SGT J.E. HAY
SGT J.A. BUSKIRK |
|--|---|

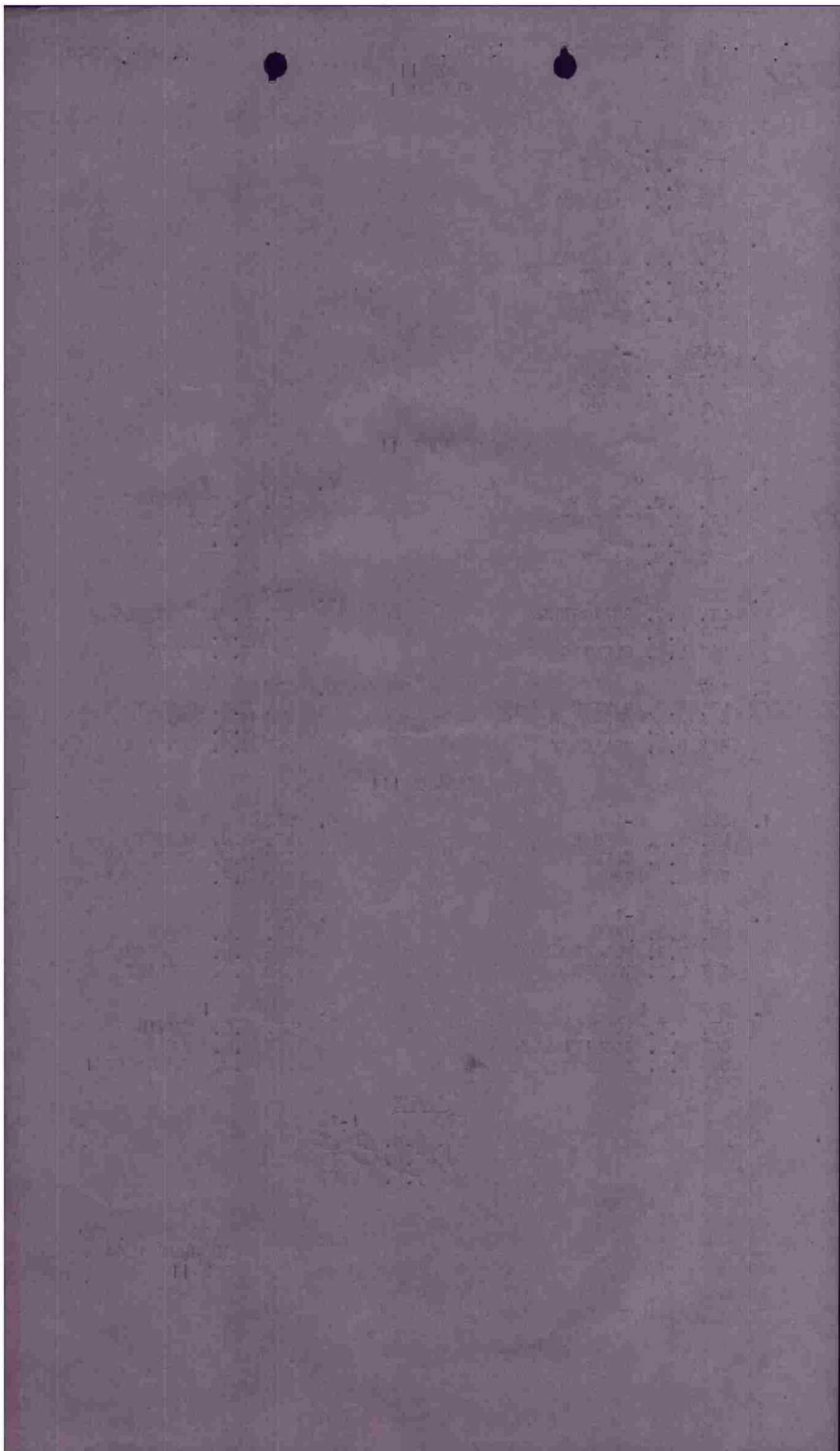
FLIGHT III

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. 380 N-1
LT. H.A. MONROE
S/S W.L. KIDD
S/S S. RISKO 2. 209 K-1
LT. R.B. HALL
SGT D.S. BLACKFORD
SGT L.C. BURGER 3. 892 L
LT. D.T. SOMMERS
SGT S.R. ZAKLIKIEWCZ
SGT K.L. JOHNSON | <ol style="list-style-type: none"> 4. 978 S
LT. R.J. ROONEY
S/S H.M. MC CLEARY
S/S S.F. DI NAPOLI 5. 750 M
LT. N.G. BROWN
S/S E.L. GRIFFIN
S/S C.W. MAZIASZ 6. 689 I
LT. P.E. GRUNIQ
SGT M.E. DIAS
SGT H.J. NOWOSIELSKI |
|---|--|

SPARE

673 I-1
LT. H.B. CLARK
S/S ~~F.W. ISABADOSH~~
S/S D.F. FLOYD

MISSION NO. 88
30 JUNE 1944
BOX II



MISSION NO. 88

LOADING LIST
BOX III

30 JUNE 1944

1. 450 S
LT. H.P. GOLE
LT. J.T. BECK
S/S B.G. FANDRE
S/S F.R. CHVATAL

2. 9711 M
LT. D.L. WITHINGTON
SGT C.F. HUSS
SGT L.D. MC ELHATTEN

3. 221 F
LT. W.A. MERCHANT
S/S C.J. HARP
S/S K.P. BROWN

to Hoyte

*TARGET IN GROUND
1957 WEAK
TEMPERATURE 110°*

WADDER (1957) 110°

*9:00
- 10:00*

MISSION NO. 88
30 JUNE 1944
BOX III
WINDOW ONLY

USAAF FORM 34A

SECRET

Inter

SECRET
AUTH: GO STA
DATE: JUL 2 1944
INIT:

HEADQUARTERS
416TH BOMBARDMENT GROUP (L)
Office of the Commanding Officer

TO:

From: 416th Bombardment Group (L), APO 140, U.S. Army.

Ref: Oprep A No. --- for 24 hrs. ending midnight 30 June 1944
Mission or Operation No. 88 97th CG P.O. 5107-438

A. Short Narrative of Operation:

Target Thury - Parcourt R/S.
Place of take-off AAF Station 170
Place of landing AAF Station 170
Take-off time 1524 Landing time 1930
Time over target 1724 - 1726 Bombing Altitude 11,500
Nature of mission Scoring Other None
Weather 9/10 overcast with scattered open areas.
Results Box 1. good. Box 2. no attack.
Enemy opposition Very meager inaccurate HFF at target area.

B. Type & model of aircraft:

1. Dispatched 25 A-200
3 A-203
2 B-26 (277 a/c)

2. Attacking target (indicate target) or completing mission.
13 A-200 Thury - Parcourt R/S
3 A-203 Thury - Parcourt R/S

3. Abortive due to:
(1) Weather: None
(2) Personnel: None
(3) Mechanical: None
(4) Other: 13 A-200 277 a/c equipment failure
3 A-203 277 a/c equipment failure

4. Missing (i.e. cause and place unknown) None

5. Destroyed - before reaching target None
giving cause where known

6. Destroyed - over or after leaving None
target giving cause where known

7. Damaged (give category & cause) None

8. Sorties 25 A-200
3 A-203

SECRET

(over)

SECRET

GEORGE SOHNKEIN,
Captain, Air Corps,
Adjutant.

For the Commanding Officer:

a. Destroyed	None
b. Prob. Des	None
c. Damaged	None

H. Enemy aircraft by type or description (tentative claims):-

Type of Casualty	Pilot	Co-pilot	Nav	Bomb	R. Gun	E. Gun	T. Gun
Killed in Action	0	0	0	0	0	0	0
Missing in Action	0	0	0	0	0	0	0
Slightly Wounded	0	0	0	0	0	0	0
Wounded	0	0	0	0	0	0	0

G. Own Personnel Casualties:

A-201 1 x 500 lb. GP. Landing mine landing.
A-202 2 x 500 lb. GP. Transfer switch in no. 2
A-201 12 x 500 lb. GP. (No attack box 2)
A-202 48 x 500 lb. GP. (No attack box 2)

e. Total Returned
d. Lost or wrecked on missing a/c
c. Jettisoned
b. Expended on operations: A-201 17 x 500 lb. GP. (List targets separately)
A-202 90 boxes window
A-201 50 boxes window
A-202 92 x 500 lb. GP. 1/10 N.1/10 B
A-201 26 x 500 lb. GP. 1/10 N.1/10 B
A-201 50 boxes window

E. Ammunition by caliber:

A-202 78,750 x 50 cal.
A-201 16,800 x 50 cal.

a. Total carried into air
b. Expended on operations
c. Lost on wrecked or missing a/c

D. Total operational flying hours
a. Day (sunrise to sunset)
b. Night (sunset to sunrise) None

SECRET

USAF FORM 374 (00-474)

Ltd

CONFIDENTIAL
HEADQUARTERS
416TH BOMB GROUP (L)
OFFICE OF THE WEATHER OFFICER

APO 140
30 June 1944

SUBJECT: Interrogation Report

TO : Staff Weather Officer, Headquarters IX
Bomber Command, APO 140, U. S. Army.

BASE AT TAKEOFF: 7/10 to 8/10 cumulus and stratocumulus
at 3,500 feet. 2/10 to 3/10 cirrus above
20,000 feet. Visibility 6 miles.

ROUTE OUT: Same as base over England with low cloud becoming
nil over channel and cirrus increasing to 4/10
to 6/10. Low cloud became 10/10 over continent.
Visibility 6 to 8 miles.

TARGET: 9/10 low cloud and 10/10 cirrus above 20,000 feet.
Visibility 6 to 8 miles.

ROUTE BACK: Same as route out.

BASE ON RETURN: 7/10 to 8/10 cumulus at 3,300 feet. 2/10
to 3/10 altocumulus at 7,000 feet.
Visibility 8 miles.

WINDS: As forecast.

TIME OVER TARGET: 1734

EFFECT OF WEATHER ON BOMBING: Bombing was done on pathfinder
although visual bombing could have been done but clouds
would have necessitated a short bomb run.

Robert D. Griffith
ROBERT D. GRIFFITH
SND Lt., Air Corps.

1 Incl
2 Route Forecast Forms.

CONFIDENTIAL

WEATHERS FIELD
 416TH BOMB GP (A)
 TAKEOFF - 1525
 RETURN - 1840
 CONFIDENTIAL
 DATE 30 JUNE 1944
 PERIOD 1600 - 2000
 HQ SOS USAFP 9-43/90M/19227

OPERATIONAL ROUTE FORECAST

	A	B	C	D
	BASE TO TARGET	TARGET	TARGET TO BASE	
WEATHER	CLOUDY	CLOUDY	CLOUDY	
2	FEW CIRRUS ABOVE 3000 FT BECOMING 2-9/10 OVER CHANNEL & CONTINENT W/ MEDIUM CLOUDS BECOMING 4-9/10 ALONG SOUTH COAST & CONTINENT BASES 12-13,000 FT TOPS 15,000 - 16,000 FT 6-7/10 CUMULUS BASES 4,500 - 5,000 FT TOPS 6,000 TO 6,500 FT	6-9/10 THIN CIRRUS ABOVE 20,000 FT 7-10/10 MEDIUM CLOUD BASE 12-13,000 FT TOPS 15,000 - 16,000 FT 6-7/10 LOW CLOUDS	SIMILAR TO ROUTE BUT EXCEPT CUMULUS DEGREEING OVER ENGLAND TO 3-5/10 BASES 3-4,000 FT TOPS 5-6,000 FT	
CLOUDS				
3	MODERATE RIME IN MEDIUM CLOUDS	SAME	SAME	
ICING				
4	4-8 MILES AT BASE 2-5 MILES IN LONDON AREA 4 MILES OVER CHANNEL & CONTINENT	6 MILES PLUS	SAME AS ROUTE OUT	
VISIBILITY				
HEIGHT	DIRECTION VELOCITY	DIRECTION VELOCITY	DIRECTION VELOCITY	DIRECTION VELOCITY
SURFACE	280 14	210 14		
5000 FT	260 20	240 20		
10000 FT	270 25	250 25		
15000 FT	270 30	260 30		
151000 FT	280 35	280 35		

BASE ALTIMETER SETTING 29.8 TARGET SURFACE TEMP 71.6 TARGET MEAN TEMP 73.8
 TEMP AT 12,000 FT. -4.2 TARGET SURFACE (PRESSURE-ALTY) 4131

CONFIDENTIAL

AIRCRAFT REPORT

		BASE TO COAST	OVER CHANNEL OR SEA	OVER CONTINENT & TARGET	
TIME					
POSITION					
ALTITUDE					
CLOUD BELOW AIRCRAFT	AMOUNTS AND TYPE				
	HEIGHT OF BASE AND TOP				
CLOUD ABOVE AIRCRAFT	AMOUNTS AND TYPE				
	HEIGHT OF BASE AND TOP				
VISIBILITY					
TEMPERATURE					
WINDS					
REMARKS: AS WEATHER ENCOUNTERED, FRONTAL POSITIONS, ETC.					
<p>NOTE: AT LEAST ONE COMPLETE OBSERVATION SHOULD BE ENTERED IN EACH COLUMN. THE OTHER SIDE OF THIS CARD HELPED YOU - WON'T YOU GIVE THE NEXT FELLOW A BREAK!</p>		<p>CLOUD TYPES AND ABBREVIATIONS LOW CLOUDS = ST-STRAUTUS SC-STRAUTOCUMULUS MIDDLE CLOUDS = AS-ALTOSTRATUS AC-ALTOCUMULUS HIGH CLOUDS = CI-CIRRUS CS-CIRROSTRATUS CLOUDS OF VERTICAL EXTENT = CU-CUMULUS CB-CUMULONIMBUS</p>		<p style="text-align: center;">FRONTS -</p>	

5-2
CONFIDENTIAL

FROM COBOMGR 416

TO COCBTWIG 97 ATT¹ SIG O

A - YS - 83

B - 30 JUNE 1944

C - 30 A/C

D - 671 - A - TRANSMITTER WEAK - RETUNED AND CHECKED OKAY.

669 - T - CHANNEL C AND INTERPHONE UNSATISFACTORY - CHANNEL C RETUNED AND INTERPHONE TUBE REPLACED.

668 - P - LEFT MAG LEFT ENGINE CAUSING NOISE IN VHF - REPORTED TO ENGINEERING.

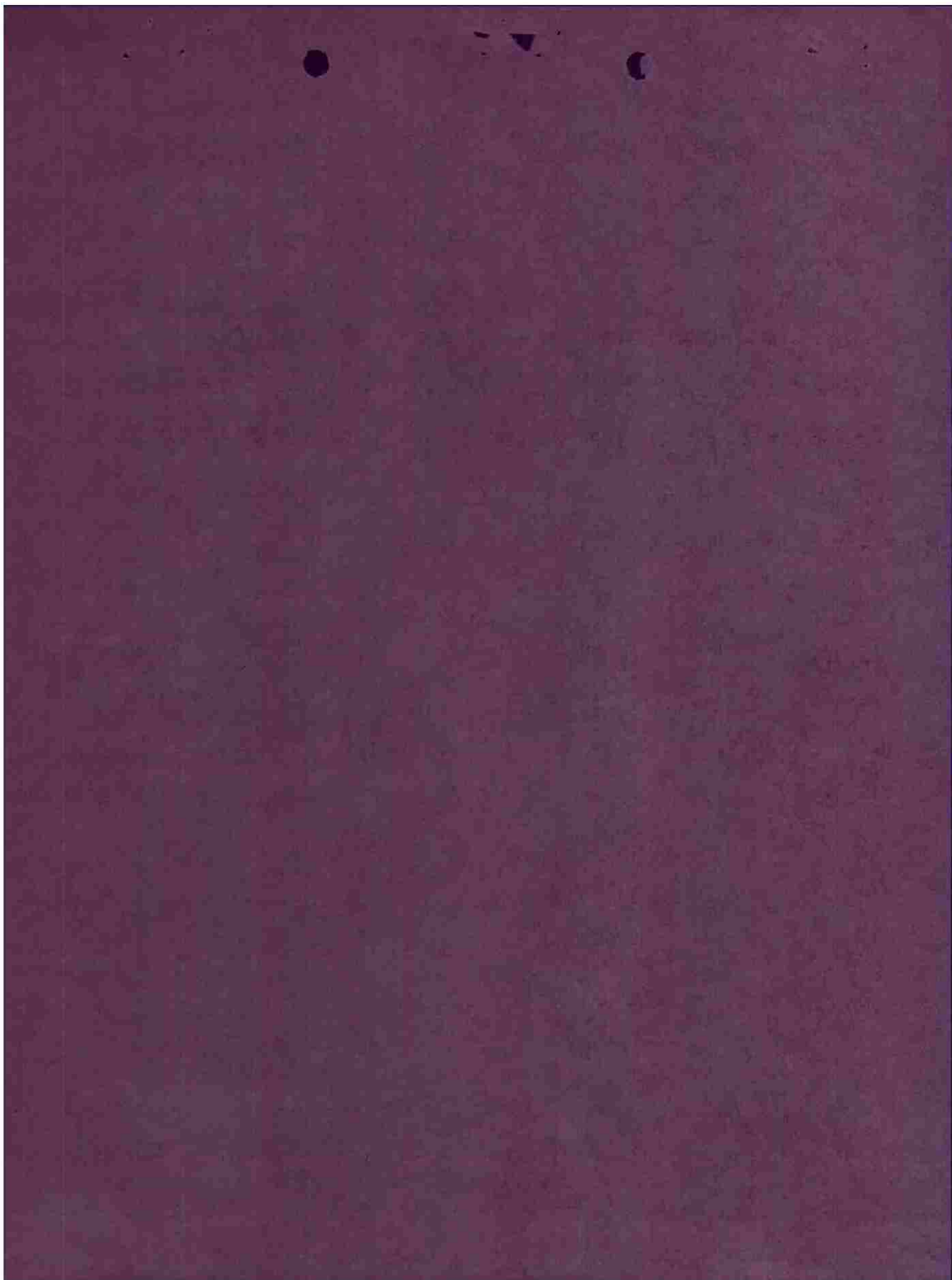
E - NONE

F - GOOD RADIO PERFORMANCE.

MACE COBOMGR

OFFICIAL:

JACK B. COONEY,
CAPT, AIR CORPS,
SIG O.



PILOT R. J. MacTee		TO		STARTING		COAST OUT		COAST IN		ALTITUDE				
NAVIGATOR J. MANNFORD				FLY OUT		COAST IN		Base		2000				
FLAME 712				TAKE-OFF		I. F.		RND. ALT.		200				
MISSION				ON COURSE		TARGET		LAND FILL ALT.		200				
DATE 4/30/47				RENDERZVOUS		COAST OUT		TARGET ALT.		RESULTS Did not drop				
FROM	POSITION	M. H.	ETA	A.T.	TO	DR	TH	W.R	MH	ALT. TIME	CS	TO DIST.	RUN TIME	REMARKS
Base	Sandwich											59	17 1/2	
	Uek Field				445 + 5							58	16 1/2	
	Benchfield				159 + 6 1/2							17	4 1/2	
49	49N 00 32E				168 + 7							65		
49	05N 00 48E				166							52		
48	55N 00 33E				226							16		
	TARGET				276 - 2							46 1/2		
48	50N 00 22W				157 + 7							13		
48	50N 00 02E				090 + 1							19		
	Cahovec				347 - 7							33		
	Beighton				359							106		
	Highwycombe				336							61		
	BASE				067							59		
2000 FT.					TARGET									
4000					COAST OUT									
6000					COAST IN									
8000					FALSE									
10000														
12000														

CHALLENGE
 RUFFLY
 COLORS
 VIB ORLANEL
 BOMBER O/S
 FIGHTER O/S
 BOMBER TO BOMBER FRNG.

DIVERSION
 4100000000

LANDED
 RND. ALT.
 LAND FILL ALT.
 TARGET ALT.

FLIGHT RECORD
 CHANGED BANKS @ 1715
 18 BURSTS FLAK OVER TARGET AREA

12 2:00/30
 10 2:00/30
 5 2:00/30
 6 2:10/4 + 16
 MT + 3 1/2
 + 130
 10 270/85
 5 270/85
 330/10

5.	ACTUAL TIME OF FALL	
4.	ANGLE OF DROPPING ANGLE	
3.	DRIFT ON BRIBED HEADING	
2.	TRAIL	
1.	DISC SPEED	

SIGHT DATA:

7.	GROUND SPEED FOR BRIBED HEADING	
6.	TRUE AIR SPEED	
5.	INDICATED AIR SPEED	
4.	TRUE ALTITUDE ABOVE TARGET	
3.	INDICATED BOMBING ALTITUDE	
2.	PRESSURE ALTITUDE OF TARGET	+130
1.	INTERMETER SETTING	

BOMBING DATA:

5.	TIME FROM I.P. TO TARGET	
4.	DISTANCE FROM I.P. TO TARGET	
3.	WGT. READING FROM I.P. TO TARGET	
2.	INITIAL POINT	
1.	TARGET	

TARGET DATA:

PRIMARY
 SECONDARY

MEMO DATA:

BOX FLIGHT INDICATED ALTITUDE BOMB LOAD TYPE
 TEMPERATURES AT TARGET GROUND ALTITUDE MEAN
 WINDS AT ALT. AT TARGET MPH FROM DIRECTION

BOMBARDIER'S MISSION DATA

PILOT		NAVIGATOR		PLANE		MISSION		DATE		START ENG		COAST OUT		COAST IN		BASE		RESULTS	
FROM	TO	M. H.	ETA	L.T.	TC	DR	TH	V.L.R	MH	J.P. ENG.	L.V. M. S.	GS	TO DIST.	RUN TIME	ETA	SPECIALS			
Base	Sandwich				142	+5	147	10	157			209	59	17	1606	SPECIALS GUAR			
	Volkfeld				248	+12	250	10	260			210	58	16 1/2	1629 1/2	1611 (could)			
	Beachy Head				189	+6 1/2	165 1/2	10	176			242	17	4	1638 1/2	1634 1/2			
	49° 40' N 00° 22' E				168	+7	175	9	184			242	65	16	1654	1638 1/2			
	41° 05' N 00° 49' E				156	+6	162	9	171			242	22 1/2	5 1/2	1659 1/2	1701 ✓			
	42° 37' N 00° 33' E				191	+9	198	9	207			244	43	10 1/2	1716	1714			
Palley	Target				216	-2	214	9	223			244	46 1/2	13	1723	1724			
	48° 50' N 00° 23' E				157	+7	150	9	159			240	12	3	1726	1727			
	48° 50' N 00° 02' E				090	+1	91	9	100			272	19	41	1730	1730			
	CARBON				347	-7	340	9	349			280	33	8 1/2	1738 1/2	1742 1/2			
	Brighton				359	-7	352	10	362			246	106	26 1/2	1805	1804			
	High Wickham				386	-7	389	10	339			246	61	15	1820	183 DIVERSION			
	Base				067	0	67	10	77			270	59	13	1820	183 DIVERSION			
2000 FT.																183 DIVERSION			
4000																183 DIVERSION			
6000																183 DIVERSION			
8000																183 DIVERSION			
10000																183 DIVERSION			
12000																183 DIVERSION			

CHALLENGE
 REPLY
 COLDS
 VHF CHANNEL
 BOMBER C/S
 FIGHTER C/S
 BOMBER TO BOMBER FREQ.

TARGET
 COAST OUT
 COAST IN
 BASE
 I.P.

FLIGHT RECORD

BOMBARDIER'S MISSION DATA

BOX _____ FLIGHT _____ INDICATED ALTITUDE _____ BOMB LOAD _____ TYPE _____

METRO DATA:

TEMPERATURES AT TARGET: GROUND _____ LOFT _____ MEAN _____
 WINDS ALOFT AT TARGET: _____ MTH FROM _____ DIRECTION _____

TARGET DATA:

	PRIMARY	SECONDARY
1. TARGET		
2. INITIAL POINT		
3. MAG. READING FROM I.P. TO TARGET		
4. DISTANCE FROM I.P. TO TARGET		
5. TIME FROM I.P. TO TARGET		

BOMBING DATA:

1. INTERVELOMETER SETTING		
2. PRESSURE ALTITUDE OF TARGET		
3. INDICATED BOMBING ALTITUDE		
4. TRUE ALTITUDE ABOVE TARGET		
5. INDICATED AIR SPEED		
6. TRUE AIR SPEED		
7. GROUND SPEED FOR BRIEFED HEADING		

SIGHT DATA:

1. DISC SPEED		
2. TRAIL		
3. DRIFT ON BRIEFED HEADING		
4. TANGENT OF DROPPING ANGLE		
5. ACTUAL TIME OF FALL		

2x 5008

Deputy Box II

PILOT NAVIG. FOR FLIGHT MISSION DATE		STARTING TAKE OFF FLIGHT OFF ON COURSE REUNDEZVOUS		COAST OUT COAST IN I. F. TARGET		POINT IN BASE REUNDEZVOUS TARGET ALT.		RESULTS		RELAXES						
FROM	TO	M. H.	ETA	ATA	TC	DR	TH	V.R	MH	AS. ALT.	I. F. ALT.	GS	TO DIST.	TO RUN TIME	ETA	RELAXES
Base	Sandwich	157°	16:00	16:10	142	+5	147	10	157°	190	200	209	59	17		
	Wakafield	259½	16:19½	16:26	248	+1½	248½	10	259½	190	200	210	58	16½		
	Beschmy Head 49 49 00 33	175½	16:24	16:38	159	+6½	165½	10	175½	200	220	242	17	4½		
	Caudebies 48 56 N 00 32 W	185	16:40	16:53	168	+7	175	10	185	100	220	242	65	16		
	Target 48 58 N 00 22 W	180	16:46	17:00	163	+8	171	9	180	200	220	218	22	6		
		208	16:59	17:12	191	+8	199	9	208	100	220	204	43	13		
		283	17:12	17:25	276	-2	274	9	283	100	220	214	46½	13		
		173	17:15	17:28	157	+7	164	9	173	100	220	248	12	3		
		100	17:19½	17:32½	090	+1	091	9	100	100	220	272	19	4½		
		349	17:27½	17:36	347	-7	340	9	349	100	220	242	33	8		
		003	17:52½	18:03	359	-6	353	10	003	100	220	227	106	29		
		340	18:13	18:19	336	-6	330	10	340	100	220	213	61	17		
		075	19:17½		067	-2	065	10	075	100	220	246	59	14½		
5000 FT.	270	14-210	15:32	TARGET					LANDED							
6000	260	20-240	15:46	COAST OUT					REUNDEZVOUS ALT.							
8000			16:38	COAST IN					LAND FALL ALT.							
10000	270	25-260	16:38	BASE					TARGET ALT.							
12000	270	30-260	16:53	I.F.												

DIVERSION
AIDROLES

CHALLENGE
FUEL
COLORS
VIE CHALLENGE
BOMBERS C/S
FIGHTER C/S
BOMBERS TO FOREVER FLYING.

FLIGHT RECORD

P.M. +130

5.	APPROX. TIME OF FALL	08:20
7.	PLACEMENT OF DROPPING ANGLE	68°
3.	DRIFT ON BRITISH HEADING	28
2.	TRAIL	49 Mils
1.	DISC SPEED	128.4

SIGHT DATA:

7.	GROUND SPEED FOR BRITISH HEADING	314
6.	TRUE AIR SPEED	220
5.	INDICATED AIR SPEED	200
4.	TRUE ALTITUDE ABOVE TARGET	11,900
3.	INDICATED BOMBING ALTITUDE	12,000
2.	PRESSURE ALTITUDE OF TARGET	+130
1.	INTERWEATHER SETTING	

BOMBING DATA:

5.	TIME FROM I.P. TO TARGET	
4.	DISTANCE FROM I.P. TO TARGET	
3.	W.G. HEADING FROM I.P. TO TARGET	
2.	INITIAL POINT	
1.	TARGET	

TARGET DATA:

PRIMARY SECONDARY

WINDS ALOFT AT TARGET, MPH FROM DIRECTION

TEMPERATURES AT TARGET, GROUND, ALTITUDE, WIND

METRO DATA:

BOX II ALTITUDE INDICATED ALTITUDE 12,000 BOMB LOAD 6x500 TYPE 500 lbs

BOMBARDIER'S MISSION DATA

1524
1900

Box #	Opsefl	Date	F/O	Target	Alt.	Box Leader	T/O	15 min.																
II	87	30 June 1944		Thury - Harcourt Choke point		Major Clark	TOT L/D																	
A/C	Fail to Bomb	ATT	Bomb	IISP	A/C Dam	E/A	Pers.																	
Case No.	Reason	F	B	O	F	S	J	T	R	W	D	A	A	C	B	E	D	F	P	D	K	W	M	
1									6															
1									6															
2									6															
3									4															
4									6															
5									4															
6									6															
7									6															
8									4															
9									4															
10									4															
11									4															
12									6															
13									6															
14									4															
15									4															
16									74															
17									80															

Rathfinder

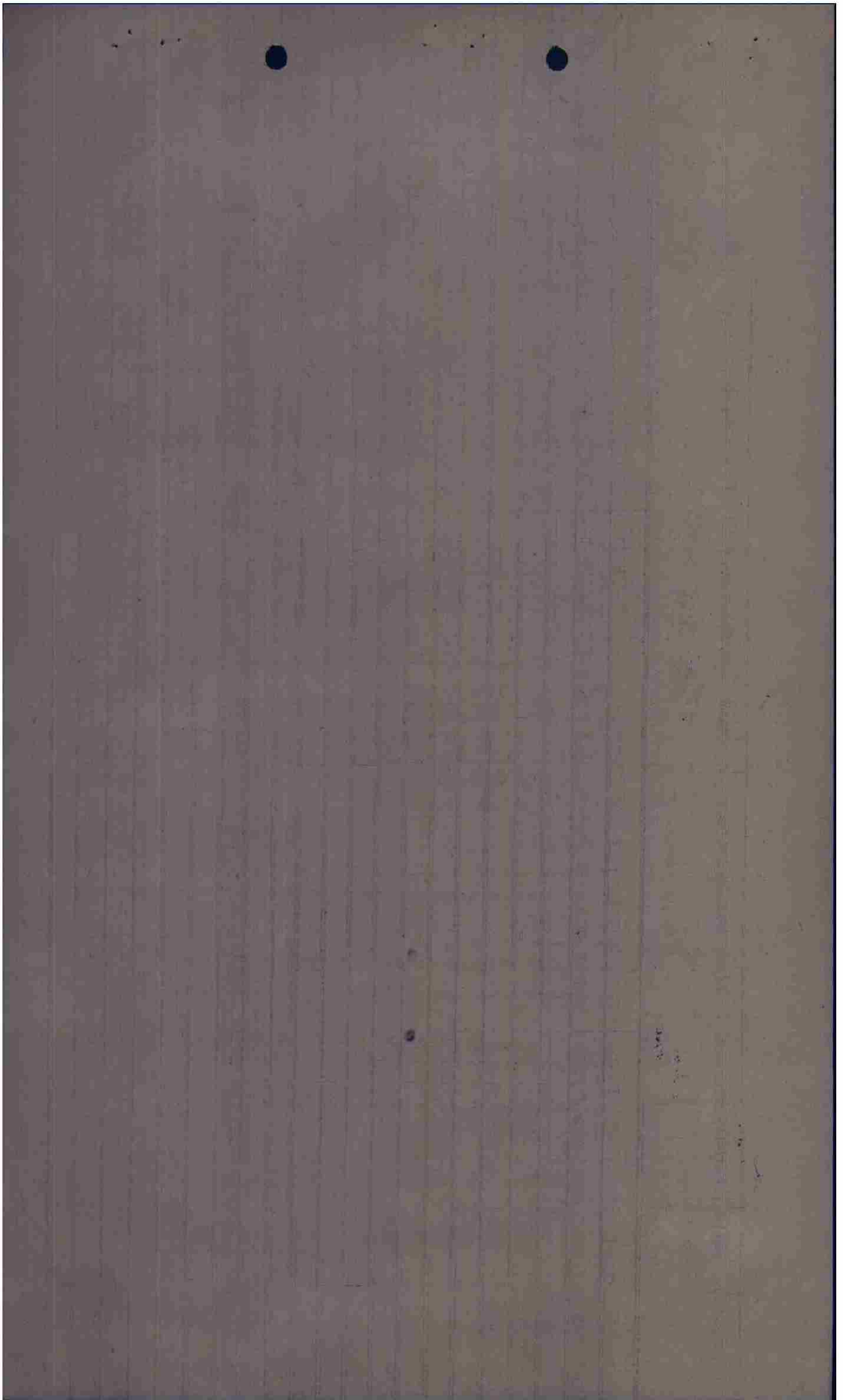
Window

1 SPARE

Clark 135
Sigsbee 743
Merchant 221
Cale 450
Wilmington 9711

Moore 380
Morton 712
Sommers 892
Hoyter 147
Reaney 978
Crump 689
Brown 712
Robertson 376
Velzbels 717
Boutkamp 840

Spare Clark 673



15 min.
T/O
TOT
L/D

Box #	CpsFl	Date	F/O	Target	Alt.	Box Leader	T/O	
I	87	30 June 1940		Thury-Harcourt		Major Dunn		
A/C	Feil to Bomb	ATT	Bomb	Ilsp	A/C	Dam	E/A	Pers.
Seq. No.	Reason	T S O	T S J	T R	W D A	A C B E D	P D K V M	
1	Ⓢ	6	6 x 300					
1	645	3	3	1				Dunn 645 ✓
2	724	4	4					Mace Demand 701 ✓ 724 ✓
3	701	4	4					
4	719	4	4					
2	935	4	4					
3	975	2	2	2				
4	176	4	4					
5	393	4	4					
6	195	4	4					
1	640	4	4					Meagher 640 ✓
2	226	4	4					Conant 907 ✓ Kreh 226 ✓
3	907	4	4					Prentiss 719 ✓ Sanson 975 ✓ Mish 935 ✓
4	210	4	4					Reede 210 ✓ Bartrams 176 ✓
5	362	4	4					Welsh 745 ✓ Kenny 362 ✓
6	745	4	4					Harris 195 ✓ Anderson-Morehouse 127A ✓ 393 ✓

Dunn 645 ✓
Mace Demand 701 ✓
724 ✓

Meagher 640 ✓
Conant 907 ✓
Kreh 226 ✓
Prentiss 719 ✓
Sanson 975 ✓
Mish 935 ✓

Reede 210 ✓
Bartrams 176 ✓
Welsh 745 ✓
Kenny 362 ✓
Harris 195 ✓
Anderson-Morehouse 127A ✓
393 ✓

Rathfinder

15
16

