

RESTRICTED BY AUTHORITY OF

CO AAF STA 128 by

JACKSON M. PHIPPS.  
Captain, Air Corps,  
Adjutant.

# REPORT OF OPERATIONAL DAY

MISSION NO. 146  
22ND. SEPTEMBER, 1944

94TH. COMBAT BOMB WING  
401ST. BOMBARDMENT GROUP (H)

*MISSION NO. 146*

*To: KASSEL , GERMANY*



**401ST BOMBARDMENT GROUP (H)**  
REPORT OF OPERATIONAL  
DAY  
MISSION SUMMARY REPORT

MISSION # 146

Date 22 September 1944

ASSIGNMENT

1. Assigned Target: KASSEL, GERMANY
2. Commitments: The 401st was to furnish the complete 36 A/C 94th "B" CBW. One PFF was included in the lead box (1 failed to T.O.) and one PFF was in the high box. A spare accompanied each formation.

EXECUTION

1. Target Bombed: KASSEL, GERMANY
2. a. Wing Leader: Capt. F. A. KALINSKI (Charleville)
  - Lead Navigator: 1st Lt. E. F. RUSSELL (Chaffey-"Mickey")
  - Lead Bombardier: 1st Lt. C. H. MINOTT
- b. Low Box Leader: Major J. W. MAUPIN (Garns)
  - Lead Navigator: 1st Lt. D. B. LIGON
  - Lead Bombardier: 1st Lt. M. J. WEIGLER
- c. High Box Leader: 1st Lt. T. D. CARROLL
  - Lead Navigator: 1st Lt. P. F. KAISER
  - Lead Bombardier: Major J. PICKOFF
3. Flight Over England:
  - a. Takeoff: Take off was made in low visibility without incident.
  - b. Group and Wing Assemblies: Group and Wing assemblies were made at Cottesmore buncher without incident. The Wing departed the buncher one minute early and on course.
  - c. Route Over England: Route over England was almost as briefed. We sighted the 94th "A" CBW shortly after leaving the buncher and took position behind them, following them as they made a double drift to get into proper position and timings.



MISSION SUMMARY REPORT (Cont)4. Attack:

- a. Flight to Target: During the flight to the target the Wing furnished by the 401st was in the number six position in the Division. One aircraft aborted prior to penetration of the German border. On making the final turn before the IP ground reference was lost and Mickey equipment in lead A/C went out. Mickey in high box was also out. Track made good from control Point #4 to the IP brought approximately five miles east of the IP. Rather than turn and take a chance of running into the other Wings coming down from the IP we turned at that point and cut approximately five miles off the bombing run. We followed the 40th "A" Wing into the target, making our position #4 in the Division. This was done without interference of the wings ahead and behind us. Mickey set operated sufficiently for a bomb run to be made. Course was killed and a rate setting established in spite of Mickey trouble. Bombing was done in Wing formation with intervalometer settings as briefed.
- b. Bombing Run: Visibility was very poor at the I<sup>4</sup> with thick haze and almost solid undercast. PFF bombing was announced and the bombing run turned over to the Mickey Operator. Where clouds were lacking haze was too thick to allow pin-pointing. Boxes seemed to be in proper formation as the wing went into the target. The run was a pproximately six minutes long and the bombs were dropped upon the signal of the Mickey. It is believed the run was a good run judging by the D.R. results were, however, unobserved.
- c. Flight from Target: Flight from target was without incident the wing maintaining good formation on withdrawal. Deviation from flight plan was made to avoid high cumulus tops.
- d. Return to Base: Let down from 20,000' was made at Belgium coast and Wing formation kept to within 50 miles of base. Groups were then split and proceeded home individually, landing in considerable haze and low visibility. All ships landed safely at home base.
- e. Weather: Weather ffrom Belgium coast to Rhine River was described as 5/10ths cumulus clouds, tops 12-15000'. From Rhine to target area it increased to 7/10 to 8/10ths with two layers of clouds, tops 10-12000' cumulus clouds bulging through to about 15,000'. At target area it being three to five miles maximum visibility downward, 1/10ths with breaks. About the same on return
- f. Fighter Support: As briefed, generally excellent.
- g. Conclusions and Recommendations: None.



MISSION SUMMARY REPORT (Cont)

5. Aircraft Not Attacking:

Lead Box: A/C 42-97931 - Not Sortie. Returned early because of internal failure of # 3 engine. Parts of the compression rings were found in the sump. This failure was probably caused by overboost in some previous mission, since the pilot claimed no overboost was used on this flight. (Mechanical)

Low Box: A/C 42-31087 - Not Sortie. Returned early because of internal failure of #4 engine. This failure was evidenced by bent push rods on no. 7 cylinder. This was probably caused by a broken connecting rod on # 7 piston.

High Box: All aircraft attacked target.

6. Enemy Opposition:

No air opposition encountered. (see Flak Report for Flak)

7. Battle Damage:

<u>Major</u>	<u>Minor</u>	<u>Flak</u>
1	4	5

8. Casualties:

1 - LWA

9. Statistical Summary of Operations: (See attached form)

10. Bombing Data:

a. Observations: Results were unobserved;

b. Disposition of Bombs:

Lead Box: Of the 11 A/C entering enemy territory, 10 A/C dropped 60 IB's and 59 GPs on primary. A/C 2468 attacked an unknown target of opportunity at 5058 - 0843E with 6 IBs and 6 GPs. Aborting A/C 7931 jettisoned 6 IBs and 6 GPs in the channel and the spare returned 6 IBs and 6 GPs.

Low Box: 12 A/C attacked the primary target dropping 72 IBs and 72 GPs. Aborting A/C 1087 jettisoned 6 IBs and 6 GPs in channel.

High Box: 12 A/C attacked the primary target, dropping 70 IBs and 69 GPs. A/C 6145 had some release trouble and jettisoned 2 IB and 2 GPs at 5055 - 0840E. The spare returned 6 IBs and 6 GPs.

MISSION SUMMARY REPORT (Concl'd)

10. Bombing Data: (cont)

c. Tabular Summary of Disposition of Bombs:

	Aircraft		Num- ber	Size	Bombs Type	Fusing	
	Over Target	Bomb- ing				Nose	Tail
Main Bombfall	35	34	(202 200)	500# 500#	M17A2 M64	- 1/10	- 1/40
Other Attacks (unknown T.of O.) (1)	(1)	1	( 6 6)	500# 500#	M17A2 M64	- 1/10	- 1/40
Total Bombs on Targets			(208 206)	500# 500#	M17A2 M64	- 1/10	- 1/40
Other Expenditures			( 14 14)	500# 500#	M17 A2 M64	- 1/10	- 1/40
Bombs Returned			( 12 12)	500# 500#	M17A2 M64	- 1/10	- 1/40
Total (Loaded on A/C Tking Off)			234 232	500# 500#	M17A2 M64	- 1/10	- 1/40

11. Lost Aircraft: None.

Submitted by:

KEN W. DAUBLE  
 Captain, Air Corps  
 Statistical Officer



STATISTICAL SUMMARY OF OPERATIONS

401st Group

1st BD P. O. 502

Date of 22 Sept 1944

	LEAD		HIGH		LOW
		PF - GH		PF - GH	
1. No. of A/C Failing to Take Off	-	1	-	-	-
2. No. of A/C Airborne	12	1	12	1	13
3. No. of A/C Airborne Less Spares	11	1	11	1	13
4. No. of A/C Sorties	10	1	11	1	12
5. No. of A/C Attacking	10	1	11	1	12
6. No. of A/C Not Attacking	1	-	-	-	1
(a) Early Returns Included	(1)				(1)
7. Name of Primary Target	KASSEL, GERMANY (Pff & Visual)				
(a) No of A/C Attacking	9	1	11	1	12
(b) No., Size & type of bombs	54 500#IB	6 500#IB	64 500#IB	6 500#IB	72 500#IB
	54 500#GP	5 500#GP	64 500#GP	5 500#GP	72 500#GP
8. Name of Secondary Target	--				
(a) No of A/C Attacking					
(b) No., Size & type of Bombs					
9. Name of Last Resort Target	--				
(a) No. of A/C Attacking					
(b) No., Size & type of Bombs					
10. Name of Target of Opportunity	UNKNOWN (5058 - 0843E)				
(a) No. of A/C Attacking	1				
(b) No., Size, & type of Bombs	6 500#IB				
	6 500#BP				
11. Name of Target Opportunity	-				
(a) No. of A/C Attacking					
(b) No., Size & type of Bomb					
12. No of A/C Lost - TOTAL	-	-	-	-	-
13. - to Flak					
14. - to Flak & E/A					
15. - to Enemy A/C					
16. - to Accident					
17. - to Unknown					



STAT SUMMARY (Cont'd)

	LEAD	HGIH	LOW
18. Time of Takeoff	0958	0959	1000
19. Time of Attack	1356 $\frac{1}{2}$	1356 $\frac{1}{2}$	1357
20. Average Time of Flight	7.4	7.5	7.6
21. Altitude of Release	26,905	27,515	26,305
22. Visual or PFF	PFF	PFF	PFF
23. Enemy Resistance - AA Int.&ACC.	Meager Inacc	Meager Inacc	Meager Inacc
24.                      - Fighters	-	-	-
25.                      - Bombers	-	-	-
26. U.S. A/C Engaged by Enemy A/C	UNOBSERVED	UNOBSERVED	UNOBSERVED
27. Degree of Success			

PFF A/C Borrowed from Groups as follows:                      NONE

PFF A/C Landed to Groups as Follows:                      NONE

NOTES:



Combat Flight Leader

Captain Kalinski

Date 22 Sept 44

Deputy Flight Leader

Lt Haskett

615 SQDN

612th SC JABWOCK  
613th IN MACRO  
614th IW GOLFCLUB  
615th IY BUZZARD

CHARLEVILLE (KALINSKI)

838

401st Lead Box Formation  
At Take-Off, On Cruise,  
and Over Target.

SOMBART

HASKETT

730

8077

615 SQDN

613 SQDN

STEGEMAN

HUDD

125

267

DAVES

UDY

CAMPBELL

HOPLEY

468

664

931

187

abort

SULLIVAN

561

COOPER

GRIMM

146

674

SPARES

MC KAY

485  
returned

Combat Flight Leader

Major Maupin

Date 22 Sept 44

Deputy Flight Leader

Lt Schaunaman

612 SQDN

GARNS (MAUPIN)

891

BURGE

628

SCHAUNAMAN

487

612th SC JABWOCK  
613th IN MACRO  
614th IW GOLFCLUB  
615th IY BUZZARD

401st Low Box Formation  
At Take-Off, On Cruise,  
And Over Target.

612 SQDN

BURNS

992

BONNEY

790

GIBSON

993

ANNIS

159

CARSON

591

HOCKING

632

CROMER

087

abert

MAXWELL

398

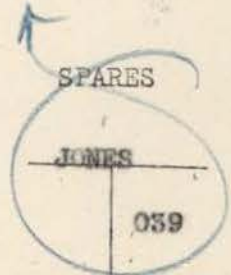
TICKMARON

113

SPARES

JONES

059





~~Combat Flight Leader Lt Carroll~~

~~Date 22 Sept 44~~

~~Deputy Flight Leader Lt Herasym~~

614 SQDN

612th SC JABWOCK  
613th IN MACRO  
614th IW GOLFCLUB  
615th IY BUZZARD

CARROLL

158

MORTON

395

HARASYM

012

401st High Box Formation  
at Take-Off, On Cruise,  
and Over Target.

614 SQDN

615 SQDN

KOVACH

859

JENNINGS

160

MAYS

802

HAYES

863

KECK

813

HANSON

736

BRIGHT

478

RUNDELL

145

CROZIER

151

SPARES

SISSON

330

returned

HEADQUARTERS AAF STATION #128  
OFFICE OF THE NAVIGATION OFFICER22 September 1944

SUBJECT: Lead Navigator's Narrative

TO : Commanding Officer, 401st Bombardment Group (H)

1. Flight plan, Log, and Track Chart Attached.

2. Narrative:

a. T/O at 0958 hours; Land at 1714 hours.b. Group formed at 1115 hours at 11,000 feet.c. Formed CBW at 1115 hours at 11,000 feet.d. Began climb at 1209 hours; reached alt. at 1325 hours.

e. Weather encountered over England:

(1) Clouds 10 / 10th - Visibility Nil miles.(2) Wind at altitude 270 degrees, 30 Knots.f. Means of navigation over England, Gasg. Means of checking Metro Winds Gas Pilotage Mickeyh. Joined task force at 1202 hrs. at Glaston  
(Splasher, City, Coord.)i. English Coast out at 1202 hrs.; Enemy Coast in at 1226 hrs.

j. Fighter Rendezvous:

(1) Going in xx hrs.(2) Coming back xx hrs.

k. Wind used for bombing:

(1) 270 degrees, 30 Knots.(2) Determined by Pilotage and Mickey  
(Method)

l. Bomb run and Method of Target Identification:

(1) Reached IP at 1350 hrs.(2) Mag. heading over target 150 degrees.(3) Altitude over target 27000 feet.(4) Bombs away at 1356 hrs.

(5) Method of target identification and weather over target:

10/10ths Undercast PFF Ident.

m. Gee:

(1) Coordinates of furthest fix 51 12 N. 03 17 E.(2) Obtained at 1230 hours.

n. Difficulties encountered with special equipment.

Target faded in Scope at eight milesCOMMENTS: Off course over England to get behind Edwin F. Russell  
Polebrook. Withdrawal off course near Brussels 1st Lt. Air Corps  
due to weather. Lead Navigator, Lead Box

SIGNATURE



HEADQUARTERS AAF STATION #128  
OFFICE OF THE NAVIGATION OFFICER22 September 1944

SUBJECT: Lead Navigator's Narrative

TO : Commanding Officer, 401st Bombardment Group (H)

1. Flight plan, Log, and Track Chart Attached.

2. Narrative:

- a. T/O at 1000 hours; Land at 1740 hours.
- b. Group formed at 1100 hours at 11,000 feet.
- c. Formed CBW at 1201 hours at 15,000 feet.
- d. Began climb at 1201 hours; reached alt. at 1342 hours.
- e. Weather encountered over England:
- (1) Clouds 9 / 10th - Visibility 3-4 miles.
- (2) Wind at altitude 261 degrees, 28 Knots.
- f. Means of navigation over England, Gee and D.R.
- g. Means of checking Metro Winds Gee
- h. Joined task force at 1200 hrs. at Clacton  
(Splasher, City, Coord.)
- i. English Coast out at 1200 hrs.; Enemy Coast in at 1226 hrs.
- j. Fighter Rendezvous:
- (1) Going in xx hrs.
- (2) Coming back xx hrs.
- k. Wind used for bombing:
- (1) 261 degrees, 28 Knots.
- (2) Determined by Pilotage  
(Method)
- l. Bomb run and Method of Target Identifications:
- (1) Reached IP at 1350 hrs.
- (2) Mag. heading over target 145 degrees.
- (3) Altitude over target 24,000 feet.
- (4) Bombs away at 1357 hrs.
- (5) Method of target identification and weather over target:  
PFF
- m. Gee:
- (1) Coordinates of furthest fix 50 45 N. 04 15 E.
- (2) Obtained at 1530 hours.

n. Difficulties encountered with special equipment.

None

COMMENTS:

/s/ D. L. Ligon  
D. L. LIGON  
1st Lt., A. C.

SIGNATURE Lead Nav.; Low Box



HEADQUARTERS AAF STATION #128  
OFFICE OF THE NAVIGATION OFFICER22 September 1944

SUBJECT: Lead Navigator's Narrative

TO : Commanding Officer, 401st Bombardment Group (H)

1. Flight plan, Log, and Track Chart Attached.

2. Narrative:

a. T/O at 0959 hours; Land at 1700 hours.b. Group formed at 1122 hours at 12000 feet.c. Formed CBW at 1122 hours at 12000 feet.d. Began climb at 1146 hours; reached alt. at 1336 hours.

e. Weather encountered over England:

(1) Clouds 7 / 10th - Visibility 9 miles.(2) Wind at altitude 268 degrees, 32 Knots.f. Means of navigation over England, Geo and D.R.g. Means of checking Metro Winds Geoh. Joined task force at 1201 hrs. at Glacon  
(Splasher, City, Coord.)i. English Coast out at 1201 hrs.; Enemy Coast in at 1226 1/2 hrs.

j. Fighter Rendezvous:

(1) Going in xx hrs.(2) Coming back xx hrs.

k. Wind used for bombing:

(1) 270 degrees, 32 Knots.(2) Determined by Geo  
(Method)

l. Bomb run and Method of Target Identifications:

(1) Reached IP at 1355 hrs.(2) Mag. heading over target 153 degrees.(3) Altitude over target 27600 feet.(4) Bombs away at 1356 1/2 hrs.

(5) Method of target identification and weather over target:

FFF 10/10ths

m. Geo:

(1) Coordinates of furthest fix 50 52 N. 04 44 E.(2) Obtained at 1247 1/2 hours.

n. Difficulties encountered with special equipment.

NONE

COMMENTS:

/s/ P.F. KAISER  
P.F. KAISER  
1st Lt., Air Corps  
Lead Navigator, High Box  
SIGNATURE



PILOT Lt. Charleville NAVIGATOR 1st Lt. W. F. Russell

DATE 22 September 1944

STATIONS	0835	ENGINES	0935	TAXI	0950	T.O.	1005
LEAVE BASE	COTTESMORE 1123						
COAST OUT	1201						
ENEMY COAST	1225						
I.P.	1352						
TARGET	1404						
ENEMY COAST	1558						
ENGLISH COAST	1627						
ETR	1700						

SUN		MOON		TWILIGHT	
Rises	Sets	Rises	Sets	AM	PM

Zero Hr - 1130  
Ref Alt - 23000  
Bomb Alt - 27000  
Oxygen - 3:50  
Over continent - 3:33  
Enemy Territory - 2:00

WATCH..... Fast Slow RATE.....secs/hour Gaining Losing  
Letdown on Cottesmore At..... G.M.T. Division Assembly Clacton to 51-13 02-55.  
(Y) Buncher Normal O10 Mag. All boxes.

FROM TO	W/V UESD	HEIGHT	I.A.S. MPH /K	T.A.S. (K)	COURSE	DRIFT	TRUE HDNG.	VAR.	MAG. HDNG.	C. S.	DIST.	TIME	E.T.A.	CELESTIAL DATA TIME BODY ALT. AZI.		
Assemble 11000 (Lead)													1123			
Cottesmore (Y) Buncher																
52-44N 00-39W																
Holbeach (H)	220/12	11000	150	156	080	+3	083	A10	93	163	25	:09	1133			
52-46N 00-01E	240/14	12000	150	158	145	+5	150	A10	160	158	19	:27	1201	English Coast	CP 1	1201
Clacton CP 1	260/16	13000	150	160		+6	151	A10	161	166	55	:20				
51-47N 01-10E	301/21	15500	150	168	117	0	117	A9	126	189	74	:24	1225	Coast	CP 2	1225
51-13N 02-55E		18000	150	168												
"	280/28	22500	150	188	110	+2	112	A7	119	215	162	:196	1320	CP 4		1320
50-05N 07-43E		27000	150	203		+3	113	A7	120	232	34	:109				
"	270/32	27000	150	203	013	-9	004	A6	10	208	79	:123	1344			
51-22N 08-11E			150	203												
"	"	27000	150	203	042	-7	035	A6	41	223	28	:08	1352	I. P.		
I. P.		27000	150	203	128	+6	134	A5	139	227	43	:11	1404	TARGET		
TARGET		Begin descent														
51-17N 09-35E	270/30	25000	170	223	223	+6	229	A5	238	201	23	:07	1412			
51-00N 09-10E		23500	170	223												
"	276/27	22000	170	212	254	+3	257	A5	262	187	19	:06	1419			
50-55N 08-42E		20000	170	212												
"	280/25	20000	150	180	216	+7	223	A6	229	168	62	:22	1442			
50-05N 07-43E			150	180												
"	280/25	20000	150	180	290	-1	289	A6	295	155	71	:28	1510			
50-30N 06-00E		Begin descent														
"	-9	280/15	15000	170	189	290	-1	289	A7	296	174	58	:125	1558	Coast	
51-13N 02-55E	-1	245/10	10000	150	153	290	-3	287	A7	294	146	67	:128			
"	+3	170-8	7500	170	166	297	-2	275	A9	284	171	32	:74	1627	English Coast	
Clacton	+6	140-5	5000	150	141	297	-1	276	A9	285	146	45	:19			
51-47N 01-10E		132/5	3000	150	136	304	0	304	A10	314	141	78	:33	1700	ETR.	
Base		A10	2000	134												
Cottesmore -8	250/18	11000	150	164	124	+2		A10	163	85	159	:128	1135			
51-13N 02-55E -15	306/26	18000	130	174	124	0		A9	200	74	159	:133	1226	LT Wing Departure		
Cottesmore -5	240/14	11000	150	158	130	+5		A10	163	19	89	:07	1129			
Clacton -7	260/16	13000	130	160	130	A4		A10	170	70	89	:125	1201	LT Wing Departure		
Rise	170/7	0 to 13000	150	143	124	A2		A10	138	78		:34	1128	LTTO 33 min. to climb		
Clacton			A3										1201			

FLIGHT RECORD

TIME	COURSE	W/V USED &/OR D.R. DRIF.	TRUE HDNG.	MAG. HDNG.	NAVIGATIONAL OBSERVATION	GENERAL OBSERVATION	I.A.S. MPH /K	HEIGHT & AIR TEMP.	T. A.S.	RUN		C. S.	TO RUN		E.T.A.
										DIST.	TIME		DIST.	TIME	
					VHF - Code for authentication - "St. Louis Blues" Abandon mission - "Tigers in American"									BOMB LINE	
					Chaff - Discharge at IP and continue for 15 min.									53-20N 05-00E	
					Interval - 2 min between GBW's.									52-20N 07-00E	
					Emergency Airframe - Bradwell 51-44N 00-54E									51-00N 07-05E	
					Spare - Turn back at Belgian Coast									All along Rhine River	
					PPF target - 51-30N 09-30E									Robles	
					Last resort - Giessen - 50-35N 08-40E									50-00N 08-00E	
														50-00N 08-20E	
														Barhela	
														49-00N 082-0E	
														47-35N 07-35E	
					Engines 0936	Takeoff 0958									
1026					Circling Cottesmore		150	10000	156						
1122	80		85		Departing Cottesmore On Course 1 min early		150		156						
1132	145		150		TP 2 min early 3 min to kill		150	11000	156			160	74	27	1159
1139	145		150		52 34N 00 22E (Gee)		150	11000							
1144			120		"S"ing to avoid D/D of PK		150	11000							
1146			180		52 22N 00 40E (Gee) Correcting back to course		150	11000							
1153			150		52 05N 00 40E (Gee)		150	13000	162						
1158			180		"S"ing to lose 1 min		150	13000	162						
1201 1/2			117		English Coast On Course 1/2 minute early		150	13000	162			189	74	24	1225 1/2



FLIGHT RECORD

TIME	COURSE	W/V USED &/OR D.R. DRIF.	TRUE HDNC.	MAC. HDNC.	NAVIGATIONAL OBSERVATION	GENERAL OBSERVATION	IAS. MPH. /K	HEIGHT & AIR TEMP.	T.A.S.	RUN		C. S.	TO RUN		E.T.A.
										DIST.	TIME		DIST.	TIME	
1205			117		51 44N 01 25E (Gee		150	13000	162						
1209					Starting Climb		150	13000	162						
1213		300/18	117		51 35N 01 59E Wind by Gee		150	13000		24	08	180			
1220			117		4 ship convoy heading East at 51 25N 02 20E		150	15000		30	09	200			
1222			117		51 22N 02 42E										
1226					GP #2 on time 3 mi North							190	125	39	1305
1230	112	/2	114		51 12N 03 17E Wind Vector 280/20		150	17000 -11		54	17	190			
1246	115		115		50 53N 04 42E Pilotsage 258/21		150	20000		52	16	195	54	17	1303
1250	115	/5	130				150	22000							
1257	115	/5	130		GP #3 (3 miles North) (DR)			23000				210	100	27	1324
1314					50 11N 07 18E Pilotsage		150						17	05	1319
1319					TP on course		150						79	23	1342
1325			05		50 20N 08 08E Mickey		150	27000 -32	205						
1342			35		T.P. on course		150						28	08	1350
1350	128	/6	134		10 East of I.P. on course		150	27000	205				43	11	1401
1356			145		BOMBS AWAY		150	27000	205				23	07	1404
1400			230		"S"ing to avoid another wing		170	25000					19	06	1410
1404			260		T.P. on Course "S"ing back into formation			23000					62	22	1426
1411			220		" " "		150	20000 -18							
1434	290		290		" " "		150	20000					71	28	1502
1440	290		285		50 15N 07 20E Pilotsage		150	20000							
1504	290		285		50 38N 06 02E Pilotsage		150	20000		56	23	145	125	48	1552
1506	285	-5	280		Starting letdown W/V 260/40K		150	20000							
1520			250		"S"ing to avoid clouds in letdown		150	15000							
1530			250		10 miles Right of Brussels		150	13000							
1545			295		"S"ing to avoid clouds		150	11000							
1601			295		Enemy Coast 3 miles South Ostend		150	10000					74	29	1630
1602			296		51 13N 02 57E		150	10000							
16 10			296		51 26N 02 13E		170	6500		25	08	188	50	16	1626
1620			295				170	5000							
1631			295		English Coast on course		150	5000					78	33	1704
1632			304				"	"							
1640			304		52 01N 00 45E		"	"							
1644			300				"	"							
1657			300		52 27N 00 12E		"	15000							
1701			220				"	1500							
1705					Over Field		"	1500							
1714					LANDED										
1722					Engines Out <u>LOG CLOSED</u>										

THIS IS A CERTIFIED TRUE COPY :

H.W. BOWMAN  
 Colonel, Air Corps  
 Commanding



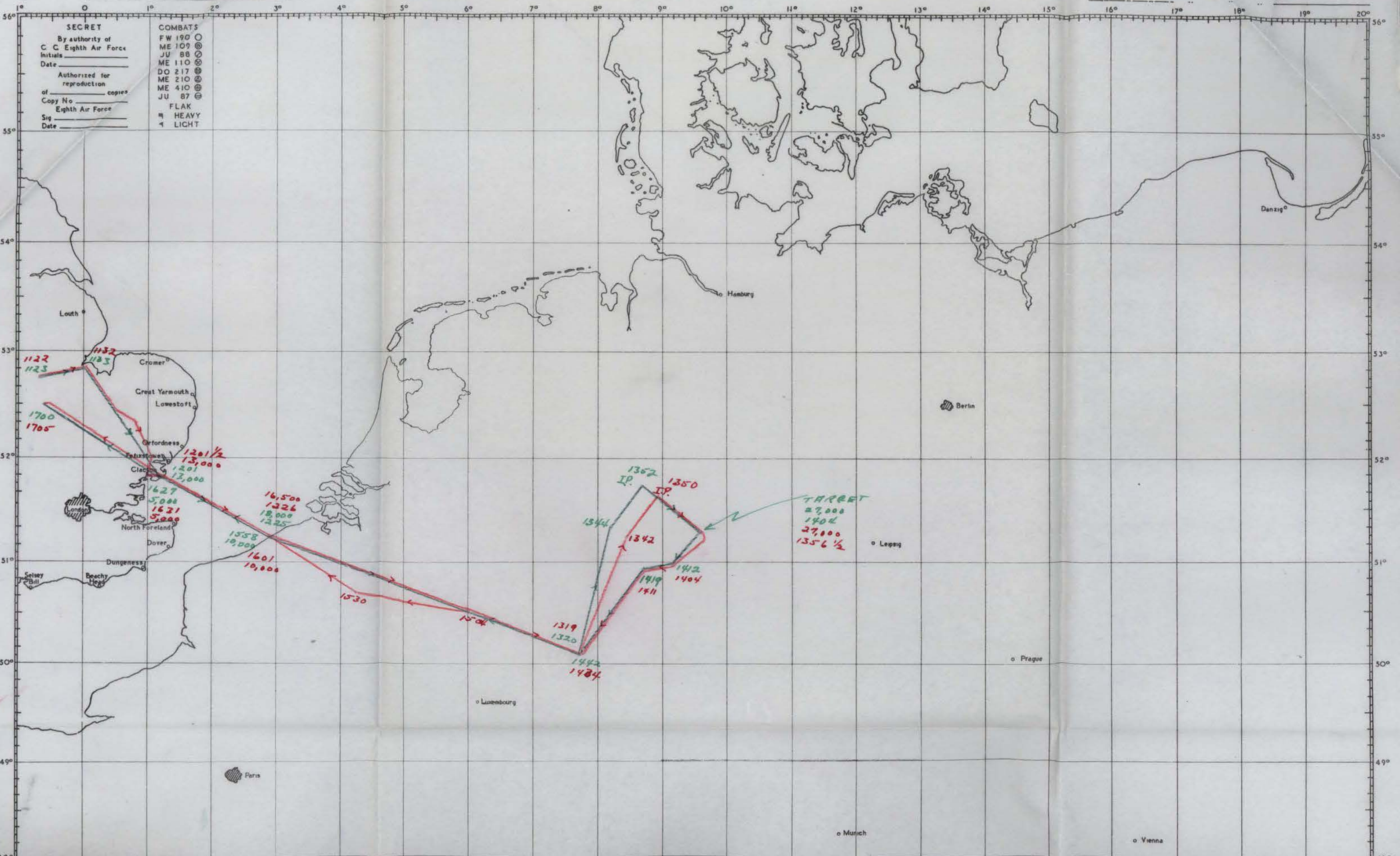
# TRACK CHART

DATE Sept 22-44

TARGETS  
PRIMARY

Kassel, Germany

ROUTE FOLLOWED BY Green  
Red  
Briefed Course  
1st S.C. (1)



SECRET  
By authority of  
C C Eighth Air Force  
Initials \_\_\_\_\_  
Date \_\_\_\_\_  
Authorized for  
reproduction  
of \_\_\_\_\_ copies  
Copy No \_\_\_\_\_  
Eighth Air Force  
Sig \_\_\_\_\_  
Date \_\_\_\_\_

COMBATS  
FW 190 ○  
ME 109 ⊙  
JU 88 ⊙  
ME 110 ⊙  
DO 217 ⊙  
ME 210 ⊙  
ME 410 ⊙  
JU 87 ⊙  
FLAK  
HEAVY  
LIGHT

TARGET  
27,000  
1404  
27,000  
1356 1/2

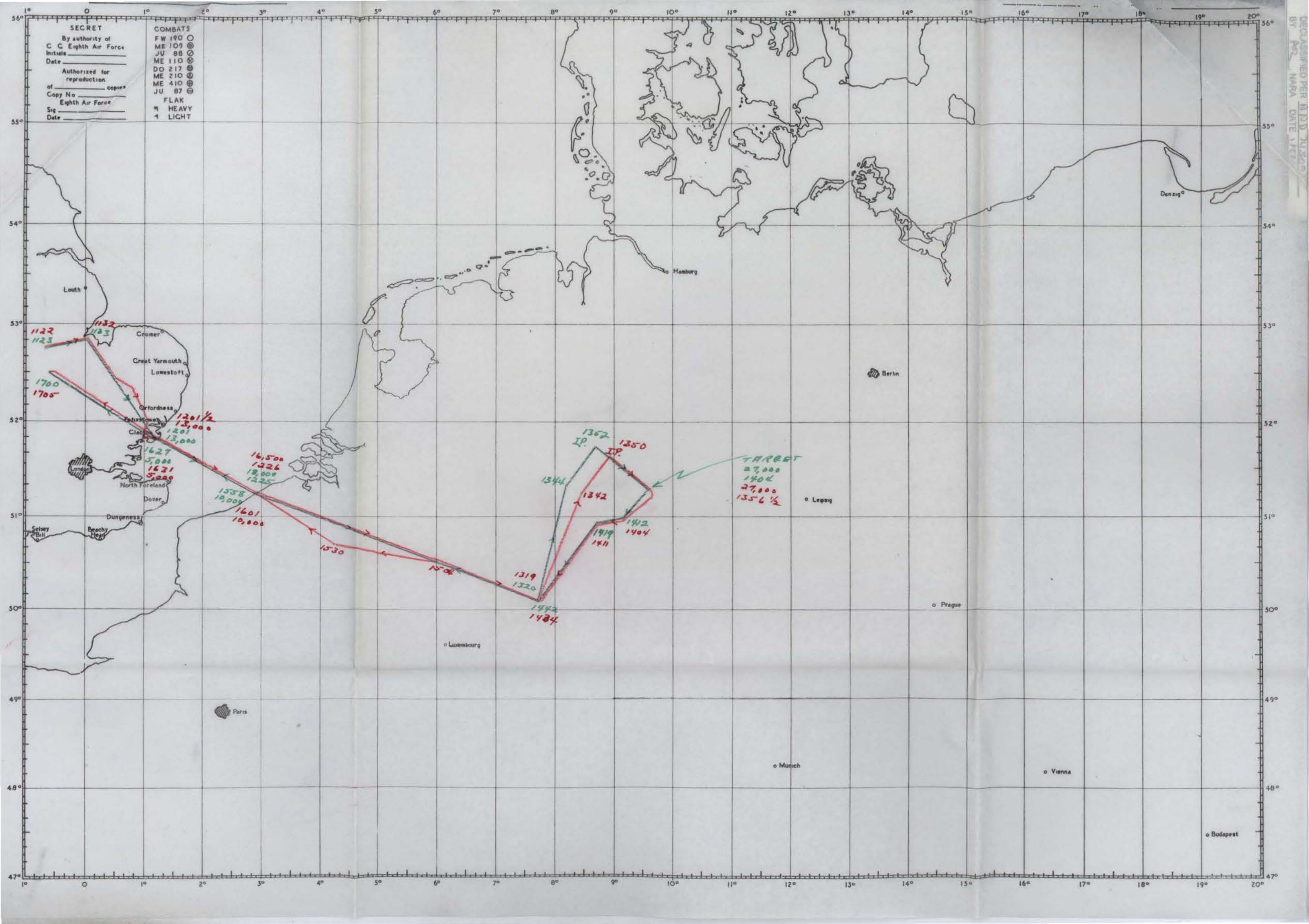


SECRET

By authority of  
C C Eighth Air Force  
Initials \_\_\_\_\_  
Date \_\_\_\_\_  
Authorized for  
reproduction  
of \_\_\_\_\_ copies  
Copy No \_\_\_\_\_  
Eighth Air Force  
Sig \_\_\_\_\_  
Date \_\_\_\_\_

COMBATS  
FW 190 ○  
ME 109 ⊙  
JU 88 ⊙  
ME 110 ⊙  
DO 217 ⊙  
ME 210 ⊙  
ME 410 ⊙  
JU 87 ⊙  
FLAK  
HEAVY  
LIGHT

DECLASSIFIED PER NND 711 BY P2, NARA DATE 1/11





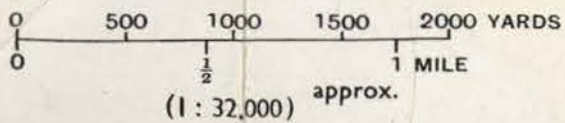
Target No.  
6 (d) (vi) 87

ROTHENDITMOLD MARSHALLING YARD,  
Etc.

KASSEL  
(GERMANY)

Illustration No.  
6 (d) (vi) 87 / 13

Illustration No.  
6 (d) (vi) 87 / 13



Photographed 1943

Issued April 1944



- A. ROTHENDITMOLD MARSHALLING YARD.
- B. RAILWAY WORKSHOPS.
- C. HENSCHEL & SOHN G.m.b.H. (WORKS 1).
- D. HENSCHEL & SOHN G.m.b.H. (WORKS 2).
- E. HENSCHEL & SOHN G.m.b.H. (WORKS 3).

A.I.3c(1)

TYPE A

DECLASSIFIED PER AND 2415093  
BY NARA DATE 1/22/11



W.D.A.G. FORM  
12 E. Modified  
1-9-44 401st BG APO 557

LEAD BOX  
COMBAT BOMBING FLIGHT RECORD

BOMBARDIER Lt. Minott DATE 22 Sept 1944  
 PILOT Capt Kalinski TAKE OFF 0957  
 NAVIGATOR Lt. Russell, Lt. Kuntzman AIRPLANE 7336  
 WING 94 B GROUP 401st SQDN 615th LANDED 1714  
 OBJECTIVE Kassel, Germany (MPI)  
 METHOD OF ATTACK X  
Individual Flight Squadron Group wing  
 NUMBER A/C IN GROUP 10 COMPOSITE GROUP \_\_\_\_\_  
 DEFLECTION AND RANGE SIGHTING GROUP Lead A/C COMPOSITE GROUP \_\_\_\_\_  
 NUMBER A/C DROPPING BOMBS BY O.N SIGHTING OPERATION: 1 A/C  
 BOMBS, TYPES AND SIZES 500# M 17 A2 FUSING: NOSE \_\_\_\_\_ TAIL \_\_\_\_\_  
 BOMBS, TYPES AND SIZES 500# M 64 FUSING: NOSE 1/10 TAIL 1/40  
 NUMBER OF BOMBS LOADED 80 LB RELEASED 60 LB  
60 GP 50 GP  
 INFORMATION AT RELEASE POINT: FFF  
 Altitude of Target 575 Temp Aloft: Metro -34 Actual -32  
 True Altitude above target 26000 Mag Head, order 128 Actual 150  
 Ind. Altitude 27000 True Heading 156  
 Pressure alt of target -48 Drift, Est 6L Actual 7L  
 Altimeter setting 20.02 True Track 149  
 C.I.A.S. 150 I.A.S. 150 Actual Range 17136  
 G.S. Est 267 Actual 260 B.S. Type M-9  
 Wind Direc Metro 270 Actual 270 Time of Release 1356 $\frac{1}{2}$   
 Wind Veloc. Metro 35 Actual 37 Intervalometer Setting 140ft  
 D.S. 121.1 Trail 63 ATF 43.75 Length of Bombing Run 4 min  
 Tan. D.A. Est .56 Actual .53 C-1 Pilot Yes A-5 \_\_\_\_\_  
 Mean Temp: Metro -8.5 Actual -6.1 Manual Pilot \_\_\_\_\_  
 Type of Release: Lead A/C Salvo Type of Release: Other A/C 140 ft



7.D.A.G.FORM  
 12 E. Modified  
 1-9-44 401st BG APO 557

LOW BOG  
 COMBAT BOMBING FLIGHT RECORD

BOMBARDIER Lt. Wiegler DATE 29 Sept 1944  
 PILOT Lt. Carns, Major Maupin TAKE OFF 0959  
 NAVIGATOR Lt. Ligon AIRPLANE 891  
 WING 94 B GROUP 401st SQDN 612th LANDED 1741  
 OBJECTIVE Kassel, Germany (MPI)

METHOD OF ATTACK Individual Flight Squadron Group wing

NUMBER A/C IN GROUP 12 COMPOSITE GROUP \_\_\_\_\_

DEFLECTION AND RANGE SIGHTING GROUP Lead A/C COMPOSITE GROUP \_\_\_\_\_

NUMBER A/C DROPPING BOMBS BY OWN SIGHTING OPERATION: 1 A/C

BOMBS, TYPES AND SIZES 500# M 17 A 2 FUSING: NOSE \_\_\_\_\_ TAIL \_\_\_\_\_

BOMBS, TYPES AND SIZES 500# M 64 FUSING: NOSE 1/10 TAIL 1/40

NUMBER OF BOMBS LOADED 72 LB RELEASED 72 LB  
72 GP 72 GP

INFORMATION AT RELEASE POINT: FFF

Altitude of Target 576 Temp Aloft: Metro -34 Actual -30

True Altitude above target 20305 Mag Head, order 139 Actual 150

Ind. Altitude 23400 True Heading 156

Pressure alt of target -40 Drift, Est 62 Actual 61

Altimeter setting 29.92 True Track 180

C.I.A.S. 150 I.A.S. 150 Actual Range 16,104

G.S. Est 160 Actual 235 B.S.Type H-9

Wind Direc Metro 270 Actual 270 Time of Release 1357

Wind Veloc. Metro 35 Actual 35 Intervalometer Setting 140ft

D.S. 125.2 Trail 61 ATF 4302 Length of Bombing Run 4 min

Tan. D.A. Est .65 Actual .557 C-1 Pilot Yes A-5 \_\_\_\_\_

Mean Temp: Metro -8.5 Actual -5 Manual Pilot \_\_\_\_\_

Type of Release: Lead A/C Salvo Type of Release: Other A/C 140ft



T.D.A.G. FORM  
 12 E. Modified  
 1-9-44 401st BG APO 557

HIGH BOX  
COMBAT BOMBING FLIGHT RECORD

BOMBARDIER Major Pickoff DATE 22 Sept 1944  
 PILOT Lt. Garroll TAKE OFF 0950  
 NAVIGATOR Lt. Kaiser AIRPLANE 153  
 WING 94 B GROUP 401st SQDN. 612 th LANDED 1700  
 OBJECTIVE Kassel, Germany (MPI)  
 METHOD OF ATTACK Individual Flight Squadron Group <sup>x</sup> wing  
 NUMBER A/C IN GROUP 12 COMPOSITE GROUP \_\_\_\_\_  
 DEFLECTION AND RANGE SIGHTING GROUP Lead A/C COMPOSITE GROUP \_\_\_\_\_  
 NUMBER A/C DROPPING BOMBS BY OWN SIGHTING OPERATION: 1 A/C  
 BOMBS, TYPES AND SIZES 500# M 17 A 2 FUSING: NOSE --- TAIL --  
 BOMBS, TYPES AND SIZES 500# M 68 FUSING: NOSE 1/10 TAIL 1/40  
 NUMBER OF BOMBS LOADED 72 LB RELEASED 70 LB  
71 GP 69 GP  
 INFORMATION AT RELEASE POINT: PPF  
 Altitude of Target 575 Temp Aloft: Metro -34 Actual -37  
 True Altitude above target 27515 Mag Head, order 139 Actual 153  
 Ind. Altitude 27800 True Heading 153  
 Pressure alt of target -48 Drift, Est 6L Actual 6L  
 Altimeter setting 29.92 True Track 153  
 C.I.A.S. 150 I.A.S. 150 Actual Range 17800  
 G.S. Est 261 actual 227 B.S. Type M-9  
 Wind Direc Metro 270 Actual 270 Time of Release 1356  
 Wind Veloc. Metro 35 Actual 37 Intervalometer Setting 140ft  
 D.S. 120.4 Trail 64 ATF 44.02 Length of Bombing Run 4 min  
 Tan. D.A. Est .34 Actual .484 C-1 Pilot Yes A-5 \_\_\_\_\_  
 Mean Temp: Metro -8.5 Actual -6 Manual Pilot \_\_\_\_\_  
 Type of Release: Lead A/C Salvo Type of Release: Other A/C 140ft



HEADQUARTERS  
 401ST BOMBARDMENT GROUP (H)  
 Office of the Communications Officer  
 AAF Sta 128, APO 557

J-A-2

Reference Field Order 502.

22 SEPTEMBER 1944

SUBJECT: Communications Report, Operational Mission No 146.

TO : Commanding Officer, 401st Bomb Gp (H), AAF Sta 128, APO 557.

SECTION ONE - USE OF RADIO NAVIGATIONAL AIDS

1. VHF/DF Bearings:		5. Radio Beacons used:	
to 401st A/C	<u>∅</u>	Splashers	<u>1</u>
to other A/C	<u>∅</u>	Fixed Beacons	<u>∅</u>
2. HF/DF Bearings	<u>∅</u>	Bunchers	<u>40</u>
3. MF/DF Fixes	<u>∅</u>	6. Total A/C using Gee	<u>35</u>
4. Distress Action	<u>∅</u>	Maximum Fix	<u>5033N 0558E</u>

SECTION TWO - REPORTED EQUIPMENT DEFICIENCIES

1. Liaison	<u>∅</u>	5. Interphone	<u>1</u>
2. Command	<u>∅</u>	6. Gee	<u>∅</u>
3. VHF	<u>∅</u>	7. IFF	<u>∅</u>
4. Compass	<u>1</u>	8. Others, H2X	<u>1</u>

SECTION THREE - REMARKS

---



---



---



---

HAROLD M. KENNARD, JR.  
 Capt, Air Corps,  
 Gp Comm O.



S E C R E T

Report on A.A. Gunfire.

401st BOMBARDMENT GROUP (H)

Assigned . . . Kassel . . . . .  
 Target: . . . . . Date of Mission 22 Sept. 44  
 Bombed . . . . . Kassel . . . . .

Route as Flown:- 1226 (5115-0255E) 1246 (5053-0442E) 1314 (5011-0718E)  
 1350 (5140-0855E) 1356 (5120-0930E) 1440 (5015-0720E).

Weather conditions: (a) At target 10/10ths-Strata-cumulus-15-18,000 Tops  
 (b) En route 5-10/10ths cumulus-12-15,000 Tops  
 Were our A/C "Seen" or "Unseen" targets? (a) At target Unseen  
 (b) En route Unseen  
 Any condensation trails? Yes

Description of Flak at Target, including METHOD OF FIRE CONTROL

Flak at target was described as moderate and was encountered by High Box only. Crews report fire coming from 6 gun battery of tracking type, fair to good for accuracy.

Flak encountered or observed en route. (In the order experienced)

Meager flak observed over Koblenz.

Was CHAFF carried? . . . yes . . . . .

How discharged? . . . As briefed . . . . .

Position of Group . . . 94th "B" CBW . . . . .

Details:-

op	A/C over enemy territory	A/C Damaged	A/C lost to Flak	Time over Target	Time of Bombs away	Height	Axis of Attack	Bomb Run
Lead	11	0	0	1356½	1356½	27,000	150 M.	PFF
High	12	5	0	1356½	1356½	27,600	153 M.	"
Low	12	0	0	1358	1358	26,400	145 M.	"
ls	35	5						

Approximately 8 rockets were reported coming from SW corner of Kassel and at another wing. Came up in series of 2 and burst in air. About 10 miles S of Coblenz two smoke trails were observed coming up, changed to horizontal course and burst in green flashes at another formation at about 24,000'.



	<u>NUMBER OF A/C DAMAGED</u>	<u>MAJOR</u>	<u>MINOR</u>
1.	Between Base and IP	-	-
2.	Between IP and Bombs away	-	2
3.	Between bombs away and rally	1	2
4.	Between rally and return	-	-

<b>TOTALS</b>	<b>1</b>	<b>4</b>
---------------	----------	----------



OFFICE OF THE INTELLIGENCE OFFICER  
 STATION 128 - APO 557  
 U. S. ARMY

D-8-2

22 Sept. 44

SUBJECT: Crew Comments and Suggestions.

TO : COMMANDING OFFICER, AAF STA. 128, APO 557, US Army (Thru Lt. Col William T. Seewell.)

1. Lt. Elbert J. Parker, Navigator and Lt. John J. Marshall, Bombardier, A/C 9012 report that the briefing given to lead Bombardiers and Navigators has improved greatly of late.

2. Lt. Roger C. Gibson, Pilot A/C 9993, reported that the low squadron leader in the low box jockeyed too much throughout the mission.

3. Lt. Ellison Burge, Pilot A/C 7623, requests that more instruction be given to enlisted toggelers.

4. T/Sgt. James W. Curtis, ROG, A/C 8160, would like to have division broadcast a weather report shortly after bombs away. He believes this would be of great benefit to crippled a/c coming home alone. Sgt. Curtis was flying with Lt. Jennings, pilot, who brought his a/c back alone after it was damaged by flak over target.

5. Lt. John Udy, Pilot A/C 7664, reports that the assembly today was excellent and formation generally good.

6. Lt. Leo Shapiro, Co-pilot A/C 1730, suggests that a separate altitude be assigned each squadron upon return to base in order to avoid formations coming into the traffic pattern at the same altitude.

W. B. FRY  
 Major AC  
 Group S-2 Officer.



1. Targets:

a. P/T-Kassel, Germany (VISUAL)

Ordnance depot-one of the largest and holds one of the top priorities. in its field.

At last report, it was found to be supplying the German Army with: tanks, anti-tank guns, special vehicles and equipment for engineer troops, engines, bicycles, carbines, pistols, maintenance equipment, mines and grenades in addition to numerous other small articles.

Area covers 300 x 700 yards.

b. S/T-Kassel, Germany (PFF)

One of largest engineering plants on the continent. Manufactures parts for vehicles-motor and steam, locomotives.,

Greatest producer of tanks-especially the tigers. Said to mfg. 100% of these.

c. L/R, MY at Giessen or any military objective positively identified in Ger. East of the Strategic Bomb Line.

d. A/C and Lead navigators will be held strictly responsible for ensuring that all bombing will be East of the Strategic Bomb Line.

2. Friendly activities.

2nd. and 3rd. Div. will depart and fly same course as 1st. Div., but after it. Their target is the same as your S/T PFF, therefore second runs will be touch and go!

3. Fighter support

2 Gps 51's-fighters will stay with Bombers thru target and on withdrawal. 2nd. and 3rd. will have same cover.

4. Flak

Meager to moderate crossing the Line; meager en route; meager to moderate over P/T; moderate over S/T. None known for the L/R.

5. Lead Bombardier.

6. Special Instructions;

1. Possibly one convoy on route out.

2. Bomb Line on Nav maps.

3. Rockets.

4. K-20 SOP

5. PW

6. Security

7. GI shoes-photos-dog tags.



HEADQUARTERS  
 401st BOMBARDMENT GROUP (H)  
 Office of the Staff Weather Officer  
 APO 557, U. S. Army

22 September 1944

WEATHER INTERROGATION SUMMARY FOR MISSION OF 22 SEPTEMBER 1944.

TAKE OFF: 1000. 10/10 Stratus base 600 ft. tops 2000 ft. Nil Middle cloud, 3/10 Cirrus above 25000'. Visibility 2000 yds.

Route Out: 10/10 Stratus base 600' tops 2000' becoming 7-9/10 Stratocumulus at the English Coast and over the Channel with tops at 4-5000'. Generally 5/10 Cumulus or Altopumulus tops 9-10000 over the Continent to 50° 38'N 05° 40'E becoming 7-8/10 Altopumulus, tops 12-14000, with occasional Cumulus tops towering through the Altopumulus to 16-18000'. 2-3/10 Cirrus base estimated 30000' entire route out. Downward visibility 4-5 mi. in haze. Top of haze layer 5000' over England and 10-12000 ft. over the Continent.

TARGET: ~~11/~~ 1357. 10/10 Altopumulus with breaks, tops 12-14000 with occasional Cumulus tops to 18000'. 3/10 Cirrus base estimated 30000'. Horizontal visibility unrestricted.

ROUTE BACK: Clouds and visibilities same as route out as far as Central Belgium. 7-9/10 Swelling Cumulus, tops to 18000', from Central Belgium to EN Channel becoming clear over the Channel and 10/10 Stratus base 2000' tops 3500, 7-9/10 Altopumulus base estimated 10000' over England.

BASE ON RETURN: 1715. 9/10 Stratus base 2000 with Altopumulus base estimated 10000' above. Visibility 3000 yds.

REMARKS: No contrails at flight level. Moderate persistent contrails estimated at 30000' from fighters. Winds and temperatures nearly as briefed: Over England at 11000' winds 22k<sup>o</sup> at 30k; temperature 0°C. Over the Continent at 25000' winds 280<sup>o</sup> at 35k; temperature -30°C.

*Robert R. Peterson*  
 Robert R. Peterson  
 1st. Lt. A C  
 Weather Officer

CONFIDENTIAL



# OPERATIONAL ROUTE FORECAST

DATE 22 September 1944

PERIOD 0930 - 1745 hr

AG P BR HQ SOS /22929

	A Base to Target	B Target to Base	C	D
WEATHER	Overcast with Fog (dark) (Getting Thinner) Sky not discernible becoming Cloudy with Haze.	Cloudy with Haze becoming Partly Cloudy with Haze.		*****NOTE***** Moderate Persistent Contrails 27,000ft AND ABOVE Haze top 12000ft.
CLOUDS	10/10 Fog Tops 2000ft becoming <del>5-7/10</del> <sup>7-9/10</sup> Strato-cumulus haze tops 4-5000ft over the channel becoming 5-7/10 <del>small</del> Cumulus base 200ft to 3-10,000 with occasional tops to 20,000ft over Germany. 2-4/10 Patchy single layer Alto cumulus base 10,000ft tops 12000 ft. becoming 4-6/10 Alto cumulus and Altostratus SEE A-2 CONTINUED	5-7/10 <del>small</del> swelling Cumulus base 2000ft tops 6-10,000ft with occasional tops to 20,000ft becoming 7-9/10 Strato-cumulus base 1000ft tops 4-5000ft over the Channel becoming 3-5/10 small Cumulus base 2000ft tops 6-8000ft over England. MEDIUM AND HIGH CLOUD REVERSE OF ROUTE OUT.	A-2 CONTINUED base 12,000 to 16,000ft. In <del>extensive</del> Large Patches East of Oh Deg East. Occasional Patches of Thin Altostratus base 19,000ft tops 20,000ft over Continent. Nil High Cloud becoming 1-3/10 Fine Cirrus base 28,000ft East of Oh Deg East.	Target sea Level Pressure 29.97 inches FOR TARGET PRESSURE ALT. Add Target Elevation to (Mins) -48ft.
ICING	9000 ft. Nil becoming moderate Clear in <del>shocks</del> Cumulus tops	9000ft Nil becoming Moderate Clear in Cumulus tops		
VISIBILITY	200-600 yds becoming unrestricted Aloft. Vertical Visibility <del>xx</del> 5-10 miles	unrestricted aloft becoming 2-4 miles at bases, but Vis at base becoming 1-3 miles after 1430hrs.		
HEIGHT	DIRECTION VELOCITY	DIRECTION VELOCITY	DIRECTION VELOCITY	DIRECTION VELOCITY
SURFACE	Base to Oh Deg East 120 05	Oh Deg East to Target 100 05	temperatures Plus 17	
5000 FT	110 05	110 05	Plus 06	
10000 FT	200 10	290 10	-01	
15000 FT	300 20	210 15	-09	
20000 FT	310 30	280 25	-19	
25000 FT	310 35	270 30	-30	
30000 FT	320 45	270 35	-42	

BASE ALTIMETER SETTING 29.945 inches TARGET SURFACE TEMP Plus 17 TARGET MEAN TEMP at 27,000ft -08.5  
TEMP. AT 27,000 FT. -34.8 TARGET SURFACE (PRESSURE-ALT) -48 ft.

CONFIDENTIAL

DECLASSIFIED PER NND 745003  
BY 92 NARA DATE 1/22/11



#1  
 57

612th BOMBARDMENT SQUADRON (H)  
 401st BOMBARDMENT GROUP (H)  
 Office of the Operations Officer

22 September 1944.

SUBJECT : Loading List.

TO : Operations Officer, 401st Bombardment Group (H), AAF Sta. 128.

Plane 42-97487

P	Schaunaman, George S.	2nd Lt.	612th
CP	Hobgood, James R.	2nd Lt.	612th
N	Purrier, Robert E.	2nd Lt.	612th
B	Sandoe, Kenneth E.	2nd Lt.	612th
RO	Kopitnikof, Irving G.	T/Sgt.	612th
TTG	Morris, Thomas P.	T/Sgt.	612th
BTG	Willett, Edward H.	S/Sgt.	612th
TG	Williams, Clarence P.	S/Sgt.	612th
FG	Curry, Edward A. Jr.	S/Sgt.	612th

Plane 45-37628

P	Burge, Leelon (NMI)	1st Lt.	612th
CP	Digianni, James (NMI)	1st Lt.	612th
N	Shewey, James E.	1st Lt.	612th
B	Pahl, Arthur L. Jr.	S/Sgt.	612th
RO	Pendergest, Joseph P.	T/Sgt.	612th
TTG	Sadzinski, Eugene P.	T/Sgt.	612th
BTG	Rissellman, Richard J.	S/Sgt.	612th
TG	O'Connell, Daniel E.	S/Sgt.	612th
FG	Olsen, George H.	S/Sgt.	612th

Plane 42-39993

P	Gibson, Roger C.	1st Lt.	612th
CP	Atkinson, William A.	1st Lt.	612th
N	Brand, George C.	1st Lt.	612th
B	Kemler, Arden C.	2nd Lt.	612th
RO	Heikkinen, Earl R.	T/Sgt.	612th
TTG	Williamson, Joseph R.	T/Sgt.	612th
BTG	Roethler, Roland V.	S/Sgt.	612th
TG	King, Francis E. Jr.	S/Sgt.	612th
FG	Phelps, Durwood W.	S/Sgt.	612th

Plane 42-97632

P	Hooking, Bert E.	1st Lt.	612th
CP	Merritt, William R.	2nd Lt.	612th
N	Harris, <del>KENNETH</del> Elloit S.	1st Lt.	612th
B	Chayka, William J.	2nd Lt.	612th
RO	Moore, Donald J.	T/Sgt.	612th
TTG	Cannon, James W.	T/Sgt.	612th
BTG	McGrath, Joseph A.	S/Sgt.	612th
TG	Thomas, Ernest H.	S/Sgt.	612th
FG	Garrett, Milton (NMI) Jr.	S/Sgt.	612th



## Plane 42-107039

P	Jones, <del>XXXXXX</del> Dale G.	2nd Lt.	612th
CP	Siepak, Stanley J.	2nd Lt.	612th
N	Wishnoff, Aaron,	2nd Lt.	612th
B	Moran, Robert E.	2nd Lt.	612th
RO	Madrzyk, Chester P.	Cpl.	612th
TTG	Derry, Harrison W.	Sgt.	612th
BTG	Rogers, Charles G.	Cpl.	612th
TG	Watters, Kenneth O.	Cpl.	612th
FG	Sesafino, Ernest A.	Cpl.	612th

## Plane 42-102398

P	Maxwell, Charles T.	1st Lt.	612th
CP	McCleod, Lucien P.	2nd Lt.	612th
N	Billman, James K.	1st Lt.	612th
B	O'Brien, Eugene P.	S/Sgt.	612th
RO	Searcy, Marion E.	T/Sgt.	612th
TTG	Thomas, Robert L.	T/Sgt.	612th
BTG	Lemeroux, Duane E.	S/Sgt.	612th
TG	Welborne, Luther B.	S Sgt.	612th
FG	Bunn, Charles T.	Sgt.	612th

## Plane 42-31891

P	Carns, Bernhardt F.	1st Lt.	612th
CP	Maupin, Jere W.	Major	612th
N	Ligon, Delbert B.	1st Lt.	612th
B	Wiegler, Martin J.	1st Lt.	612th
RO	Vescio, Fred J.	T/Sgt.	612th
TTG	Hester, Richard L.	T/Sgt.	612th
BTG	Doogan, Arthur L. Jr.	S/Sgt.	612th
TG	Detwieler, Robert C.	S/Sgt.	612th
FG	Dusenberry, Charles J.	S/Sgt.	612th

## Plane 43-37790

P	Bonney, Roy H.	1st Lt.	612th
CP	Jolley, Edward R.	2nd Lt.	612th
N	Olsen, John B.	2nd Lt.	612th
B	Souder, William M.	S/Sgt.	612th
RO	Pettinga, Paul S.	T/Sgt.	612th
TTG	Lenzen, Ben (NMI)	T/Sgt.	612th
BTG	Peters, Winfield H.	S/Sgt.	612th
TG	Wallace, Robert W.	Sgt.	612th
FG	Dill, Donald D.	S/Sgt.	612th

## Plane 42-106992

P	Burns, Estel G.	1st Lt.	612th
CP	Tompkins, David G.	1st Lt.	612th
N	Gray, Arthur (NMI) Jr.	1st Lt.	612th
B	Pinkston, John S.	S/Sgt.	612th
RO	Will, Adam E.	T/Sgt.	612th
TTG	Klingbiel, Eugene P.	T/Sgt.	612th
BTG	Swope, Donald M.	S/Sgt.	612th
TG	Henry, Hilmas E.	S/Sgt.	612th
FG	Gruchawka, John (NMI)	S/Sgt.	612th

## Plane 42-31087

P	Cromer, Joseph L.	2nd Lt.	612th
CP	Trout, Ralph W.	2nd Lt.	612th
N	Phillips, Michael T.	2nd Lt.	612th
B	Waldhoff, Nick G.	1st Lt.	612th
RO	Goodman, Martin B.	S/Sgt.	612th
TTG	Stott, Douglas W.	S/Sgt.	612th
BTG	Coffin, Robert J. Jr.	Sgt.	612th
TG	Villagio, Vincent V.	Sgt.	612th
FG	Clark, Eugene F.	Sgt.	612th



613TH BOMBARDMENT SQUADRON (H)  
OFFICE OF THE OPERATIONS OFFICER  
AAF STATION 128, APO # 557

22 September 44

LOADING LIST

<u>PLANE NO.</u>	<u>DUTY</u>	<u>RANK</u>	<u>LAST NAME</u>	<u>FIRST NAME</u>	<u>MI</u>
43-38160	P	1st Lt.	JENNINGS	WILLIAM	W.
	CP	F/O	GARTON	FRED	M.
	N	2nd Lt.	FOIXS	WILLIAM	<del>JOHN</del> M.
	B	2nd Lt.	SCHKLOVEN	ISAAC	KX (NMI)
	RO	T/Sgt.	CURTIS	JAMES	KX W.
	TT	S/Sgt.	<del>ROSE</del> FORMAN	<del>ROBERT</del> RICHARD	KX <del>T</del> T.
	BT	S/Sgt.	OLIVER	KENNETH	C.
	TG	S/Sgt.	SELZLE	THOMAS	R.
	WG	S/Sgt.	EWEN	EDNAID	L.
44-6132 42-38159	P	2nd Lt.	ANNIS	ROMIE	A.
	CP	2nd Lt.	CLARK	FORREST	E.
	N	2nd Lt.	MADDEN	BERNARD	J.
	B	2nd Lt.	JINSEN	JAMES	B.
	RO	Sgt.	WALKER	LEWIS	L.
	TT	Sgt.	CORLIES	JOHN	M.
	BT	S/Sgt.	PEREZ	FRANK	W.
	TG	Sgt.	JOHNSON	LESLIE	C.
	WG	Sgt.	BROOKS	GEORGE	E.
44-6313	P	2nd Lt.	KECK	ROBERT	J.
	CP	F/O	ISTEL	LAWRENCE	A.
	N	F/O	FREEMAN	HOLLIS	W. JR.
	B	F/O	SHEPARD	SAMUEL	(NMI)
	RO	SGT.	ENGLER	RICHARD	H.
	TT	SGT.	STOEGER	LEONARD	V.
	BT	SGT.	MORR	ELWOOD	W.
	TG	SGT.	METCALF	WILLIAM	T.
	WG	SGT.	FIALKOWSKI	EDWARD	(NMI)
42-38267	P	1st Lt.	BIDD	CLAYTON	R.
	CP	2nd Lt.	MAC LEOD	REGINALD	L.
	N	2nd Lt.	KLOTZ	BERNARD	L.
	B	S/Sgt.	KISSACK	JOHN	D.
	RO	S/Sgt.	SKALA	FRANKLIN	C.
	TT	S/Sgt.	OLIVER	ERNEST	S.
	BT	Sgt.	LES'TROISMAISON	ARTHUR	(NMI)
	TG	Sgt.	ROGEN	HARLAN	(NMI)
	WG	Sgt.	MURRAY	DALE	S.



42-31591

P	1st Lt.	CARSON	FRANK JR.	(NMI)
CP	2nd Lt.	MOE	MORRIS	E.
N	2nd Lt.	LAWLESS	HARRIS	E.
B	2nd Lt.	BUCHER	WILLIAM	(NMI)
RO	T/Sgt.	KNOX	ROBERT	C.
TT	S/Sgt.	MC GERHE	RAY	E.
BT	S/Sgt.	LEE	WILLIAM	R.
TG	Sgt.	GERALDI	JOSEPH	J.
WG	Sgt.	JAMES	LLEWELLYN	(NMI)

43-37736

P	1st Lt.	HANSON	ALBERT	L.
CP	2nd Lt.	CRAYTOR	FREDERICK	A.
N	2nd Lt.	WATSON	HENRY	T.
B	S/Sgt.	GREEN	BERNARD	T.
RO	T/Sgt.	SEARS	DONALD	L.
TT	T/Sgt.	MURRAY	HOMER	G.
BT	S/Sgt.	KOONS	DONALD	L.
TG	S/Sgt.	MARTZ	DALE	C.
WG	S/Sgt.	LYALL	LESTER	D.

42-97931

P	2nd Lt.	CAMPBELL	ROBERT	B.
CP	2nd Lt.	RANDLE	RICHARD	W.
N	2nd Lt.	HURLBY	JIM	D.
B	2nd Lt.	ISHAM	LAWRENCE	B.
RO	S/Sgt.	CHALUPZYNSKI	VINCENT	M.
TT	Sgt.	JUSTICE	ANDREW	C.
BT	Sgt.	BOSTIAN	AUDREY	I.
TG	Sgt.	SMITH	JAMES	A.
WG	Sgt.	HARLEN	JAMES	J.

44-6113

P	1st Lt.	THOMASON	WALTER	H.
CP	2nd Lt.	DOBIRATZ	HERMAN	(NMI)
N	2nd Lt.	WRIGHT	RICHARD	B.
B	Sgt.	HOPE	<del>EDDIE</del> WILLIAM	(NMI)
RO	T/Sgt.	RAPEZ	ISAAC	C.
TT	T/Sgt.	LYMBURN	WALLACE	R.
BT	S/Sgt.	GUMBELT	HERBERT	L.
TG	S/Sgt.	GODFREY	HAROLD	M.
WG	S/Sgt.	MISZKO	HENRY	M.

43-38187

P	2nd Lt.	HOPLEY	CHARLES	W.
CP	2nd Lt.	GOETZ	FRANK	V. JR.
N	2nd Lt.	MACDONALD	RICHARD	E.
B	Sgt.	JACOBS	JOHN	R.
RO	SGT.	DUNNING	CHARLES	R. JR.
TT	SGT.	HARDIN	WILLIAM	E. A.
BT	SGT.	MERRIMAN	JAY	S.
TG	SGT.	VAN PELT	HAROLD	G.
WG	SGT.	ANDERSON	WAYNE	L.



SIX HUNDRED AND FOURTEENTH BOMBARDMENT SQUADRON (H)  
 FOUR HUNDRED AND FIRST BOMBARDMENT GROUP (H)  
 Office of the Operations Officer.

AAF Station # 128  
 22 September 1944

SUBJECT: Loading List.

TO : Operations Officer, 401st Bomb Gp (H) AAF Station # 128 AOG # 557.

1. Following is the loading list for today's mission.

PLANE # 42- 153

P	1st Lt.	CARROLL, TED D.	614th Bomb Sq
CP	1st Lt.	LEASER, FREDERICK G.	"
N	1st Lt.	KAISER, PAUL F.	"
B	Maj.	PICKOFF, JULIUS	401st Gp Hqs.
MO	1st Lt.	WINGRAD ALFRED A.	614th Bomb Sq
RO	T/Sgt.	Curtin, John W.	"
TT	S/Sgt.	Leuenberger, Arnold J.	"
TG	S/Sgt.	Eaton, Earl E.	"
WG	S/Sgt.	Mell, Jack R.	"

PLANE # 42-39012

P	1st Lt.	HARASYM, ALEXANDER	614th Bomb Sq
CP	2nd Lt.	HOSLEY, ROBERT A.	"
N	2nd Lt.	PARKER, ELBERT J.	"
B	2nd Lt.	MARSHALL, JOHN J.	"
RO	T/Sgt.	Friduss, Jarvis H.	"
TT	T/Sgt.	Topic, Glen L.	"
BT	S/Sgt.	Saylor, Emanuel T.	"
TG	S/Sgt.	Capps, George C.	"
WG	S/Sgt.	Bailey, John S.	"

PLANE # 42-97395

P	2nd Lt.	MORTON, WLATER L.	614th Bomb Sq
CP	2nd Lt.	HAFLEY, WILLIE J.	"
N	2nd Lt.	PINK JACK T.	"
B	2nd Lt.	HELMS, CHARLES L..	"
RO	Cpl.	Hickey, Robert E.	"
TT	Cpl.	Block, Joseph R.	"
BT	Cpl.	Powers, Willard B.	"
TG	Cpl.	Whittington, Charles S.	"
WG	Cpl.	Bruschwein, Douglas B.	"

PLANE # 42-102659

P	1st Lt.	KOVACH, JOHN W.	614th Bomb Sq
CP	1st Lt.	KELLAN, JAMES W.	"
N	1st Lt.	COSELLI, FRANK J. JR.	"
CTG	S/Sgt.	Horbatuck, Stephan	"
RO	T/Sgt.	Pollard, Omer S.	"
RE	T/Sgt.	Rouhselang, Willard J.	"
BT	Cpl.	McCormick, Edson G.	"
TG	S/Sgt.	Schmidt, Edward J.	"
WG	S/Sgt.	Maki, Arthur W.	"



9-22-44

PLANE # 42-31863

P	2nd Lt.	HAYES, LELAND R.	614th Bomb Sq
CP	2nd Lt.	RITCHEY, RALPH	"
N	2nd Lt.	RHINEHART, WILLIAM E.	"
CTG	S/Sgt.	Kilgore, Edmund W.	"
RO	T/Sgt.	Tyree, Dorsey W.	"
TT	T/Sgt.	Dickson, Beattie B.	"
BT	S/Sgt.	Lawrence, Sterling B.	G
TG	S/Sgt.	Dreon, Louis L.	"
WG	S/Sgt.	Jackson, John A.	"

PLANE # 42-97602

P	2nd Lt.	MAYS, HAL C.	614th Bomb Sq
CP	2nd Lt.	LIVINGSTON, HERMAN	"
N	2nd Lt.	KOSKI, MATTHEW F.	"
B	2nd Lt.	SCHAEFER, ROBERT L.	"
RO	S/Sgt.	Bayes, Willie J.	"
TT	S/Sgt.	Gay, Clifford E.	"
BT	Sgt.	Cole, William I.	"
TG	Sgt.	Monacella, Joseph L. Jr.	"
WG	Sgt.	Wilson, Billy J.	"

PLANE # ~~42-97478~~ 42-97478

P	1st Lt.	BRIGHT, WILBUR C.	614th Bomb Sq
CP	F/O/	WHITMAN, PAUL F.	"
N	2nd Lt.	SCHNEIDER, JAMES M.	"
B	2nd Lt.	O'HERN, MELVIN C.	"
RO	T/Sgt.	Russell, James R.	"
TT	Sgt.	Collett, John E.	"
BT	S/Sgt.	Frohman, Howard J.	"
TG	S/Sgt.	Hayden, Andrew J.	"
WG	S/Sgt.	Classick, John F. Jr.	"

PLANE # 42-107151

P	2nd Lt.	CROZIER, JOHN C.	614th Bomb Sq
CP	2nd Lt.	WEBER, MORRIS	"
N	2nd Lt.	POLSTER, ERVING	"
B	2nd Lt.	WHITING, RICHARD L.	"
RO	S/Sgt.	Hapner, Clayton	"
TT	Cpl.	Ligon, James E.	"
BT	Cpl.	Johnson, Robert J.	"
TG	Sgt.	Kitts, Keith D.	"
WG	Sgt.	Merrittl, Richard E.	"

PLANE # 42-97145

P	1st Lt.	RUNDELL, FRANCIS E. II	614th Bomb Sq
CP	2nd Lt.	JOHNSON, RAYMOND E.	"
N	2nd Lt.	CHAMPAGNE, RENE F.	"
B	2nd Lt.	SHEARER, WILLIAM M. JR.	"
RO	Cpl.	Trojanowski, Arthur J.	"
TT	T/Sgt.	Mears, Harold S.	"
BT	Cpl.	Smith, William F.	"
TG	Pfc.	Ice, Robert E.	"
WG	Pfc.	Huffman, James J.	"



9-22-44

PLANE # 42-58330

P	2nd Lt.	SISSON, NORMAN L.	614th Sq
CP	2nd Lt.	HOEMANN, EUGENE E.	"
N <sub>2</sub>	2nd Lt.	CROSSEN, LAVERN	"
B	2nd Lt.	PICKER, NATHAN	"
RO	S/Sgt.	Maluck, Andrew S.	"
TT	Sgt.	Carter, Peter J.	"
BT	Sgt.	Stevens, Calvin J.	"
TG	Cpl.	Ritchie, Francis T.	"
WG	S/Sgt.	Gardner, Gilbert G.	"

*returned  
open*

For the Squadron Commander:

ALVAH H. CHAPMAN JR.  
CAPT., Air Corps,  
Operations Officer.



SIX HUNDRED AND FIFTEENTH BOMBARDMENT SQUADRON (H)  
 FOUR HUNDRED AND FIRST BOMBARDMENT GROUP (H)  
 Office of the Operations Officer  
 AAF - Sta - 128 - APO - 887

22 September 1944.

SUBJECT: Loading list.

TO : Operations Officer, 401st Bomb Gp (H), Sta - 128, APO - 887.

1. Following is the list of Combat Crews participating in today's mission.

PLANE # 43-102674

DUTY	RANK	LAST (NAME)	FIRST	(MI)	SQUADRON
P	2nd Lt.	Grims	William	F.	615th
CP	2nd Lt.	Huesgen	Herman	K.	"
H	2nd Lt.	Schullen	Gillard	G.	"
B	2nd Lt.	Burns	Raymond	G.	"
RO	T/Sgt.	Cressler	Glover	J.	"
TT	S/Sgt.	Brown	Thomas	J.	"
BT	S/Sgt.	Miro	Edward	G.	"
TG	S/Sgt.	Wheeler	Robert	L.	"
FG	Sgt.	Duke	William	M.	"

PLANE # 42-97638

P	1st Lt.	Charleville	Denver	R.	615th
CP	Captain	Kalinski	Felix	A.	"
H-	1st Lt.	Russell	Edwin	F.	"
N	2nd Lt.	Chaffey	Charles	G.	"
M	2nd Lt.	Kustaman	Warren	R.	"
B	1st Lt.	Winott	Charles	H.	"
RO	T/Sgt.	MacKeller	Glenn	A.	"
TT	T/Sgt.	Hadsen	Peter	G.	"
BT	---	---	---	-	-
TG	1st Lt.	Johnson	Elvis	H.	"
FG	S/Sgt.	McKenna	Arthur	(HMI)	"

PLANE # 43-58126

P	2nd Lt.	Stegemann	Charles	H.	615th
CP	2nd Lt.	Walter	Albert	G.	"
H	F/O	McCaslin	Clayton	H.	"
B	2nd Lt.	Schultz	John	J.	"
RO	T/Sgt.	McKenna	Joseph	(HMI)	"
TT	T/Sgt.	Hais	John	H.	"
BT	S/Sgt.	Tamburino	Joseph	J.	"
TG	S/Sgt.	Kaer	Martin	G.	"
FG	S/Sgt.	Sullivan	Robert	H.	"

PLANE # 44-6146

P	2nd Lt.	Cooper	Louis	H.	615th
CP	2nd Lt.	Spanzel	Kaye	H.	"
H	2nd Lt.	Ellis	George	G.	"
B	2nd Lt.	B'Agostini	Benedict	R.	"
RO	S/Sgt.	Sherrill	Bascom	B.	"
TT	T/Sgt.	Nexton	Byron	W.	"
BT	Pvt.	Maroncelli	Harry	I.	"
TG	S/Sgt.	Lawrence	Ralph	I.	"
FG	S/Sgt.	Gue	Charles	H.	"



Leading-Inst. (Continued)

PLANE # 42-51488

P	2nd Lt.	McKay	George	W.	615th
CP	2nd Lt.	Higgs	Walter	H.	"
N	2nd Lt.	Rainsy	John	L.	"
B	2nd Lt.	Hecker	Robert	L.	"
RO	Cpl.	Richardson	Samuel	T.	"
TY	Cpl.	Gonizzaro	Ralph	J.	"
BT	S/Sgt.	Richard	H.		"
TO	Cpl.	Brunson	Wade	T.	"
FO	Sgt.	Crawford	Helvin	H.	"

PLANE # 44-8038 614th

P	1st Lt.	Huckett	Harry	H.	615th
CP	2nd Lt.	Davis	Thomas	A.	"
N	2nd Lt.	Howse	Stuart	A.	"
B	2nd Lt.	Halters	Donald	H.	"
RO	S/Sgt.	Havinghausen	Kenneth	D.	"
TY	S/Sgt.	Lynch	Brendan	J.	"
BT	----	-----	Orville	A.	"
TO	S/Sgt.	Hutchinson	William	D.	"
FO	S/Sgt.	Jones	Hinson	C.	"

PLANE # 42-51780

P	2nd Lt.	Soubart	George	W.	615th
CP	2nd Lt.	Shapiro	Leo	(NMI)	"
N	F/O	Wiley	Junior	H.	"
B	2nd Lt.	Brozek	Chester	W.	"
RO	Sgt.	Andrews	Leroy	(NMI)	"
TY	Sgt.	Smith	Minor	H.	"
BT	Pfc.	Matte	Dudley	F.	"
TO	Sgt.	Salley	J. (ic)	H.	"
FO	Sgt.	Livesey	Lowell	G.	"

PLANE # 42-102408

P	2nd Lt.	Daves	Edward	H.	615th
CP	2nd Lt.	Crank	Clayton	F.	"
N	2nd Lt.	Seaydie	Ralph	J.	"
B	2nd Lt.	MacDougall	John	C.	"
RO	Sgt.	McKenny	Harold	C.	"
TY	S/Sgt.	Wayfield	William	R.	"
BT	Sgt.	Cheaton	Paul	J.	"
TO	Sgt.	Ballot	James	O.	"
FO	S/Sgt.	Geek	Clayton	W.	"

PLANE # 43-37551

P	2nd Lt.	Sullivan	Paul	J.	615th
CP	2nd Lt.	Cox	Edward	A.	"
N	2nd Lt.	Sasserman	James	H.	"
B	2nd Lt.	Rumsey	John	R.	"
RO	S/Sgt.	Brown	George	(NMI)	"
TY	T/Sgt.	Raciti	Anthony	H.	"
BT	S/Sgt.	Daley	John	F.	"
TO	Sgt.	KENSE Stern	James	L.	"
FO	Sgt.	Cross	William	L.	"



Loading list. (Continued)

PLANS # 42-97664

				(MST)	615th
P	2nd Lt.	Edy	John		"
GP	2nd Lt.	Hookaday	Billy	S.	"
H	2nd Lt.	Yousl	Bale	F.	"
B	Sgt.	Jencks	Robert	L.	"
NO	Y/Sgt.	Knowles	Larry	G.	"
TE	S/Sgt.	Young	Jack	S.	"
BY	S/Sgt.	Albert	Russell	H.	"
TO	S/Sgt.	Wurn	Albert	H.	"
FE	Sgt.	Oviatt	Karl	D.	"



HEADQUARTERS  
401ST BOMBARDMENT GROUP (H)  
Office of the Armament Officer  
AAF Station 128

F-C-1

APO 557  
22 Sept. 1944

SUBJECT: Armament Malfunction Mission Report.

TO : Commanding General, 1st Bombardment Division, APO 557.  
ATTN: Division Armament Officer.

1. Date of Mission: 19 September 1944.
2. No gun malfunctions were reported.
3. No turret malfunctions were reported.
4. No bombing equipment malfunctions were reported.
5. There were twenty (20) aircraft equipped with the all-electric bomb release system participating in the mission.

SAM P. BROOMHALL, JR.,  
1st Lt., Air Corps,  
Group Armament Officer.



HEAD BOX 94th C WING

Combat Flight Leader COL BROWN Date 19 Sept

Deputy Flight Leader LT LOCKHART

613 SQDN

- 612 SC JABWOCK
- 613 IN MACRO
- 614 IW GOLFCLUB
- 615 IY BUZZARD

COLEMAN (BROWN)

IW C 8033 ✓

ANNIS

IN R 6115 ✓

LOCKHART

SC U 7947

613 SQDN

615 SQDN

JETTER

IN B 6132 ✓

OAS

IY N 8159 ✓

KEELING

IN M 8267 ✓

CARSON

IN J 1691

COOPER

IY R 6146 ✓

MC KAY

IY X 1485

BUDD

IN F 6313 ✓

DOUGLAS

IN D 8187 ✓

TECK

IN S 2947 ✓

SPARES

CAMBELL

IN Q 7931

70



HI BOX 94TH G WING

Combat Flight Leader CAPT MC CORD Date 19 September 1944.

Deputy Flight Leader LT AIKEN

SQDN  
~~612~~ 612 SC JABWOCK  
613 IN MACRO  
614 IW GOLFCLUB  
615 IY BUZZARD

MC CORD

SC Q 8155

MATWELL

SC D 6992

AIKEN

SC ~~A~~ 2398 ✓  
H

~~612~~ SQDN

HOCKING

SC L 7632 ✓

~~615~~ SQDN

KOCHER

IY M 2674 ✓

GIBSON

SC C 9995

MARIAN

SC M 7039

UDY

IY A 1077

STEFAN

IY D 8125 ✓

BONNEY

SC J 7790 ✓

LAWRENCE

SC S 7938

JONES

SC A 7628 ✓

SPARES

CROSER

SC K 1087

OND SPARES

IY G 1983  
SC R 2393

SPARE LEAD

IN C 1081



LOW I 94 C WING

LT CARROLL

19 Sept

Combat Flight Leader LT BROWN Date \_\_\_\_\_

Deputy Flight Leader 614 \_\_\_\_\_

~~CARRON~~ <sup>SQDN</sup>

- 612 SC JABWOCK
- 613 IN MACRO
- 614 IW GOLFCLUB
- 615 IY BUZZARD

IW R 7780

SILVERSTEIN

BROWN

IW B 7151

IW X 1863

614

615

~~LERWICK~~ <sup>SQDN</sup>

~~SULLIVAN~~ <sup>SQDN</sup>

IW S 6145 ✓

IY J 7113

HUBBELL

HAYES

DAVES

TURK

IW Q 7478

IW M 8236 ✓

IY L 7531 ✓

IY F 7664

KOVACH

IW J 2859 ✓

MAYS

SISSON

IW O 7602 ✓

IW G 7084

~~JAMES~~ <sup>SPARES</sup>

IW Z 8330

TO COAST ONLY -- DO NOT LOAD  
MORTON

IW P 2012