

BOMBER COMMAND REPORT ON NIGHT OPERATIONS

29th FEBRUARY/1st MARCH, 1944.

Dusseldorf : Sottevast : Leaflets.

SUMMARY

Dusseldorf. 15 Mosquitoes (2 OBOE Mk.I, 1 OBOE Mk.II PENWIPER, 1 Mk.II FOUNTAIN PEN and 11 non-OBOE) were despatched against Dusseldorf. Only the PENWIPER of the OBOE aircraft made a successfully controlled run, but its T.I. was not seen by none of the other crews, 13 of whom attacked the primary on D.R. The remaining aircraft was unable to release its bombs over the target. 6 100 lb. bombs were included in the load dropped. All the aircraft returned safely.

Sottevast. 1 Mk.II FOUNTAIN PEN Mosquito was sent against the military installation at Sottevast, but abandoned its task over the target because of OBOE failure.

Leaflets. 20 Whitleys and Wellingtons from Training Groups were sent to scatter leaflets over Northern and Central France. 18 completed their task. 2 aircraft was lost.

WEATHER FORECAST

Midnight frontal positions:- (1) warm front N. Denmark - Spitz Head - S.W. Iceland (2) cold front N. Denmark - S. Scotland - N. Ireland.

Bases:- Generally fit, with well broken cloud and good visibility. Much cold rear warm front. Poor visibility in S.E. all night.

Germany:- Little cloud in N.W. Broken strato-cumulus E. of 09° E. and W. 14° E., over N. Germany. Much strato-cumulus in E. and S. Moderate visibility.

France:- Little cloud in N. and N.W. Well broken strato-cumulus in Central and Southern Areas.

RESULTS

	<u>Bombing</u>	<u>Leaflets</u>
(a) No. of aircraft despatched.....	15	20
(b) No. of a/c reporting attack on primary target.....	4	18
(c) No. of abortive sorties (tech. defect.....)	3	1
(d) No. of aircraft missing.....	0	1

OTHER EXPERIENCED

Bases:- 1, 4 and 5 Groups had much thick smoke haze at first, but this cleared a little during the night. 6 Group fit all night. Increasing strato-cumulus at 1,500'; many low patches in extreme S. Moderate visibility.

Dusseldorf:- 10/10ths strato-cumulus, tops 5-10,000'. Thin patchy cirrus to 30,000'.

Sottevast:- 5/10ths strato-cumulus, tops 6,000'.

N.France:- Small amounts of strato-cumulus; nil in many areas.

PRIMARY DEFENCES/.....

ENEMY DEFENCES

7. No fighters were seen or overheard. A moderate amount of flak was encountered from Dusseldorf, and from French towns.

CASUALTIES

8. One Whitley of 91 Group failed to return from a leaflet operation. Observations suggest that it may have been shot down over the French coast, but there is no indication of the cause. All our other aircraft returned undamaged.

MLM/PVD.
BC/S/26342/6/ORS4.
1st May, 1944.

29/1st May 1944

TARGET	GROUP	AIRCRAFT TYPE	BORINGS	W/O INCIDENTS		INCIDENTS		DROPPED	FUEL	OIL	INC. IN WEIGHT	CHIEF ENGINEERS	INTELLIGENCE		REMARKS	
				W/O	W/O	OVER	OVER						NO.	NO.		H.E.
DUSSELDORF	B.P.	Heag. IX	4	3	-	1	-	-	-	-	-	-	-	-	-	17.1 0.1
	B	Heag. XVI	5	5	-	-	-	-	-	-	-	-	-	-	-	
	M.C.	Heag. IV	8	8	-	-	-	-	-	-	-	-	-	-	-	
DUSSELDORF TOTAL			17	16	-	1	-	-	-	-	-	-	-	-	-	
SOTTIS	B	Heag. IX	1	-	-	1	-	-	-	-	-	-	-	-	-	
BORING TOTAL			18	16	-	2	-	-	-	-	-	-	-	-	-	
LEZ-TOURNAI N. FRANCE	91	Well. Ia	4	4	-	-	-	-	-	-	-	-	-	-	-	
		Well. X	1	1	-	-	-	-	-	-	-	-	-	-	-	
		Whit.	5	5	-	-	-	1	-	-	-	-	-	-	-	
	92	Well. III	1	1	-	-	-	-	-	-	-	-	-	-	-	
		Well. X	5	5	-	1	-	-	-	-	-	-	-	-		
LEZ-TOURNAI TOTAL			20	16	-	1	1	-	-	-	-	-	-	-	-	
TOTAL			38	32	-	2	1	1	-	-	-	-	-	-	-	

BC/S/P.
C.R.S.A.

91 GROUP TO: COIFFERNE; ST. QUENTIN; CHERAI; DOUAI; ANAS; LA FLECHE; LOBETZCH; ALENCON;

92 GROUP TO: PARIS;

BOMBER COMMAND REPORT ON NIGHT OPERATIONS1/2nd MARCH, 1944

501001

STUTTGART : Munich : Sottovest : Airfields : Leaflets : Serrete, etc.

BY

TIME

Stuttgart was heavily attacked for the second time within a fortnight. A scattered attack was delivered through a thick blanket of cloud, which at times obscured the flares. The 2 raids caused very considerable industrial damage, chiefly to the Bosch works, Daimler-Benz and the V.K.F. ball-bearing works, while large railway workshops at Bad Cannstadt were almost devastated. Many fighters backed up, but they could not find our aircraft along the cloud-covered route and a preliminary raid on Munich probably delayed their arrival at the target. Only 4 aircraft were lost out of the force of 557 which went out.

Mesquitos, without loss, attacked airfields in the Low Countries, as well as making out a faint attack on Munich. Others made intruder patrols and met. reconnaissance flights, while aircraft from Training Groups scattered leaflets over N. France.

OVERFOREGAST

Midnight frontal positions:- cold from 60N 23W - 55N 16E. - Hannover - 50N 10W.

Bases:- A polar trough will lie across Finland at 2220, and will move southwards at 35 m.p.h. Precipitation will, however, be slight, and cloud will only rarely tower about 12,000'. Local snow showers will cause take-off difficulties at the Humber. All bases fit for return.

Germany:- Heavy convection cloud over North Sea, with tops above 20,000' and icing index. Limited convection cloud N. of the cold front, with layers above. In several layers in frontal zone, and 200 miles southwards. Clearances in the cumulus over S. Germany. Stuttgart: medium cloud will increase to 10/10ths at 02⁰⁰E., and will extend to the target. Tops mainly below 12,000', possibly rising towards the target, but thin and well broken above 15,000'. On return, a cloud will break W. of 05-06⁰⁰E.

France:- Much strato-cumulus, with clearances in Central and Southern areas. Bordeaux: 10/10ths strato-cumulus, with 10/10ths medium cloud spreading southwards towards midnight and not clearing till very late. Lorient: similar, but cloud back earlier. Clermont-Ferrand: much layered cloud after dusk.

STUTTGARTTOP ATTACK

Route. See Raid Track Map.

Route Marking Y-aircraft were to drop red steady flares 10 miles S.S.W. of Stuttgart on the way out. No routemarkers were to be released on the way home.

Method of Attack The attack was planned as a mixed PARASUTTA and WINGMAN. Primary blind markers were to mark the aiming-point with green T.I. and R/P flares (red stars). Blind backers-up were to keep the aiming-points marked throughout the raid with reds and R/P flares, released on H2S. Visual backers-up were to aim reds at the centre of all earlier reds or, if none were visible, at the centre of the raid with a 2-second overshoot. If cloud obscured T.I., they were to hold their flares and bomb blindly on H2S or on R/P flares on a heading of 070°. Supporters were to bomb blindly; or, if their H2S was u/s, visually, on a good D.R., or on the flares or T.I. or flares (if any were down) on the above heading. 30 Lancasters of the 1st Group were to act as auxiliary supporters. Main force aircraft were to aim at the

/centre of reds

centre of reds or, if cloud obscured the T.I., at the centre of flares on the heading.

7. Timing Zero hour : 0300 Duration of attack : 0258 - 0316.

Primary blind markers	23 a/c at zero - 2
Blind backers-up	24 a/c from zero to zero + 15
Visual backers-up	16 a/c from zero to zero + 15
Supporters	72 a/c at zero - 2
Main force	134 a/c from zero to zero + 4
	134 a/c from zero + 4 to zero + 8
	135 a/c from zero + 8 to zero + 12
	132 a/c from zero + 12 to zero + 16
	6 ABC aircraft throughout the attack

Each wave of the main force was to contain both Lancasters and Halifaxes.

8. Diversions A Y-Mosquito was to drop spoof route-markers 50 miles S.S. of Stuttgart. These were to be backed-up by 10 other Mosquitoes, which were to proceed to Munich, aiming T.I. and H.T. at a yellow T.I. dropped by the Y-aircraft, if this did not appear, bombing on a good D.R. 10 Mosquitoes were to drop in ahead of the main force and drop bombs on Stuttgart at zero - 6. 3 others were to attack the target between zero + 50 and zero + 60.

9. WINDOW WINDOW was to be dropped at the rate of 2 bundles per minute at 50 miles of the target; and one per minute for the rest of the journey, in both directions.

SORTIES

10. (a)	No. of aircraft despatched	557
(b)	No. of aircraft reporting attack on primary area	499 (89.6%)
(c)	No. of aircraft reporting attack on alternative area	2 (0.4%)
(d)	No. of abortive sorties	52 (9.3%)
(e)	No. of aircraft missing	4 (0.7%)

WEATHER EXPERIENCED

11. Bases:- Variable, often small amounts of cloud, down to 1,500' in winter showers over Lincs. and East Anglia. Moderate to good visibility.

Route:- 10/10ths from Paris to the target, tops mainly 12-14,000', but occasionally towering to 17,000'. Similar for return; cloud broke up W. of O4.

Target:- 10/10ths cloud, tops 12-14,000', with very small gaps. Good visibility. No moon.

Winds:- at 20,000' : 290°/73 m.p.h. over Channel, gradually veering and slackening to 315°/45-50 m.p.h. at target. Same for return.

NIGHT PHOTOGRAPHIC STATISTICS

12. All photographs showed 10/10ths cloud...

NARRATIVE OF ATTACK

13. Most of the primary blind markers attacked before zero - 1, but the average serviceability of H2S among the blind backers-up was poor, and only 13 of them displayed flares. The flares were rather scattered, many disappearing out of sight into the cloud, which was of varying density. Late Mosquitoes reported many scattered fire including 2 exceptionally large ones.

DAY RECONNAISSANCE

14. Photographs taken on 9th March completed the partial cover obtained on 24 February, after the raid of 20/21st February, when 544 aircraft effectively attacked the city. Some of the damage revealed must, therefore, be attributed to the earlier operation. The heaviest destruction occurred in Feuerbach, N.W. of the city centre and in Bad Cannstadt to the N.E., where 7 factories of high priority sustained serious damage. The Bosch works at Feuerbach (priority 1+), and Daimler-Benz (priority 1)

/Unterturkheim

...heim both suffered anew; and the V.K.F. ball-bearing works at Bad Cannstadt ...ly hit. The most spectacular damage occurred in the large railway workshops Cannstadt (priority 2), where few buildings were left intact, and 20 were completely destroyed. The adjacent goods stations was severely affected, and fresh damage was caused to the large buildings in the goods yards N. of the central station. Other, 16 priority concerns and about 40 other factories were hit, most of them. Residential property suffered scattered damage, mostly as the result of H.E. There was no spread of fire.

ACTIVE TARGETS

2 aircraft bombed targets at Droux and Serjines.

DEFENCES

Ground Defences At Stuttgart, the heavy guns fired a slight to moderate amount at 17-23,000'. A few searchlights exposed, but the cloud rendered their use useless. The light guns hosed piped flak at the marker flares, extinguishing them. Little flak was met en route. One aircraft was lost to flak, over the ...

Fighters Since the moon was above the horizon for the early part of the ... and strong winds had been forecast for the homeward journey, it was impracticable to hit the bomber force into 2 parts, as had been done with such success on the 3 ... major operations. To overcome these difficulties, the force was routed S. of ... while the moon was up, and brought back the shortest possible way. Our aircraft ... almost unmolested above the blanket of cloud which covered the Continent, and ... losses were fewer than for any previous attack of the same scale. Numerous ... were sighted, and the enemy controllers were obviously making real efforts ... intercept the stream, but no attacks were reported before the target was reached. ... diversionary attack on Munich probably delayed the arrival of some fighters at ... target. 17 combats occurred over the first 100 miles of the return route, result- ... in 3 losses in the Strasbourg area. One further attack was reported, near Nancy. ... none of our aircraft was engaged W. of Strasbourg.

LOSSES

No. of aircraft missing	4 (0.7%)
	(Flak 6)
No. of aircraft damaged (Fighter 3)	17
	(r/c action . 8)

3 of the missing aircraft were lost to fighters on the first leg of the return ... and the fourth fell to the target guns. The rate of loss is small for an ... of this penetration and strength. 2 Halifaxes were wrecked beyond repair, ... in a landing and one in a taxiing accident.

MUNICH

11 Mosquitoes carried out a diversionary attack on Munich between zero - 5 and ... + 1, dropping T.I. and H.E. They also dropped spoof route-markers 50 miles S.W. ... Stuttgart, which apparently added to the confusion of the fighter controllers. All ... and undamaged.

SOTTEVIST

One Mk.II FOURTEEN Mosquito was sent to bomb the military construction at ... west; but it experienced OBOE failure, and attacked a target in the area of ... lie from a GEE fix. It returned safely.

AIRFIELDS

11 Mk.I Mosquitoes were despatched against the airfields at Venlo, Doelen and ... varden. All the 4 detailed for Venlo made successfully controlled runs, as did 2 ... at L. curwarden and 1 at Doelen. The others abandoned their tasks because of ... failure, except one which made a good run but could not release its bombs.

22. 3 Mk.II FOURMAIN PEN and 1 Mk.I. were detailed against the airfield Trond. All made successfully controlled runs.

23. 1 Mk.I and 2 Mk.II PENWIPER left for Florennes. The Mk.I attacked one of the others bombed Heamstede, and one abandoned its task.

24. 3 PENWIPER were sent to ... One bombed the primary on OBOE and on D. The third abandoned its task.

LEAFLETS

25. 16 Whitleys and Wellingtons scattered leaflets over N. France. None lost, but one was damaged in a landing accident.

FIGHTER OPERATIONS

26. 10 Mosquitoes of 100 Group were despatched on Serrate patrols, towards Stuttgart, Frankfurt and Saarbrücken; and 6 others on special patrols over S. Germany, S.W. France and the North Sea. 14 Mosquitoes of A.D.C.B. were sent in bomber patrols against enemy airfields. No combats were reported. No losses were sustained, although one Mosquito crashed while taking-off.

MET. RECON.

27. One Mosquito of 8 Group carried out a met. reconnaissance flight.

MLV/121
DC/S. 2534/2 CTS
17th May, 1944

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TARGET	GROUP	AIRCRAFT TYPE	SORTIES	% REPORTING ATTACK ON				DIVERGENT	DAMAGE				DIVERGENT ATTACKED	NOT ATTACKED	RESULTS
				PRIM. AREA	ALT. AREA	OVER R. T.	NOT OVER R. T.		FLAK	FIGHTER	KILL BY BRIT. INC. BOMBS	NOT DUE TO E/A. (excl. by I.B's)			
"STUTTGART"	B P.F.P.	H.L. II	1	1	-	-	-	-	-	-	-	-	-	-	H.E. Inc
		H.L. III	10	9	1	-	-	-	-	-	-	-	-	-	-
		L.M.C. III	51	51	-	-	-	-	-	-	1 AC	-	-	2	P. 1021.8 756.
	B M.F.	RES. IV	7	7	-	-	-	-	-	-	-	-	-	-	-
		RES. IX	2	2	-	-	-	-	-	-	-	-	-	-	-
		RES. XVI	4	3	-	1	-	-	-	-	-	-	-	-	-
	B H.L. III	H.L. II	1	1	-	-	-	-	-	-	-	-	-	-	-
		H.L. III	6	5	-	-	1	-	-	-	-	-	-	-	-
		L.M.C. III	37	34	-	-	-	2	-	-	-	-	-	1	B/C 4000 716
	B SUP P.F.P.	L.M.C. III	5	4	-	-	1	-	-	-	-	I.B.	-	-	-
		L.M.C. III	24	23	-	-	1	-	-	-	-	-	-	3	-
	1	L.M.C. I	25	23	-	-	-	-	-	-	-	1 AC	1	1	-
L.M.C. III		57	53	-	-	2	2	-	2+1 AC	-	-	1	6	-	
3	L.M.C. I	21	16	-	-	5	-	-	-	-	-	-	-	-	
	L.M.C. II	39	36	-	-	1	2	-	-	-	-	-	-	1	
4	L.M.C. III	9	8	-	-	1	-	-	-	-	-	-	1	-	
	H.L. III	81	60	1	2	17	1	1	1	-	2B	3	2	-	
5	L.M.C. I	40	39	-	-	1	-	-	1 AC	1	-	2	1	-	
	L.M.C. III	109	98	-	-	9	2	1	1	1	1	2	7	-	
6	H.L. III	30	26	-	-	2	2	-	-	-	-	-	-	2	
	H.L. III	30	26	-	-	2	2	-	-	-	-	-	-	2	
STUTTGART TOTAL			557	499	2	9	43	4	5+1 AC	2+1 AC	2+1 AC	1+1B+2B+1 AC	12	27	-
"MUNICH"	B	RES. IX	3	3	-	-	-	-	-	-	-	-	-	-	H.E. Inc.
		RES. IV	8	8	-	-	-	-	-	-	-	-	-	-	P. 6.5 1.1
MUNICH TOTAL			11	11	-	-	-	-	-	-	-	-	-	-	-
"SALZBURG"	B	RES. IX	1	-	1	-	-	-	-	-	-	-	-	-	-
"ST. HELENS"	B	RES. IX	3	3	-	-	-	-	-	-	-	-	-	-	P. 3.6 H.Z.
ST. HELENS	B	RES. IX	1	1	-	-	-	-	-	-	-	-	-	-	-
		RES. IV	1	1	-	-	-	-	-	-	-	-	-	-	-
ST. HELENS TOTAL			4	4	-	-	-	-	-	-	-	-	-	-	-

STUTTGART : MUNICH : CROSSBOW : AIRFIELDS : LEAPLETS : LIT. BOMBERS : SPECIAL OPS. 1/2 JAN, 1944. (Cont.)

TARGET	GROUP	AIRCRAFT TYPE	SORTIES	% REPORTING ATTACK ON				DIVERGENT	DAMAGE				DIVERGENT ATTACKED	NOT ATTACKED	RESULTS
				PRIM. AREA	ALT. AREA	OVER R. T.	NOT OVER R. T.		FLAK	FIGHTER	KILL BY BRIT. INC. BOMBS	NOT DUE TO ENEMY ACTION (Excl. by I.B's)			
"FLORENCE"	B	RES. IX	2	-	1	1	-	-	-	-	-	-	-	-	-
		RES. IV	1	1	-	-	-	-	-	-	-	-	-	-	P. 9 H.E.
FLORENCE TOTAL			3	1	1	1	-	-	-	-	-	-	-	-	-
"VERLO"	B	RES. IX	3	3	-	-	-	-	-	-	-	-	-	-	-
		RES. IV	1	1	-	-	-	-	-	-	-	-	-	-	P. 3.3
VERLO TOTAL			4	4	-	-	-	-	-	-	-	-	-	-	-
"BERLIN"	B	RES. IX	2	-	-	-	-	-	-	-	-	-	-	-	-
		RES. IV	1	-	-	-	-	-	-	-	-	-	-	-	-
		RES. XIV	1	-	-	-	-	-	-	-	-	-	-	-	P. 4.7
BERLIN TOTAL			4	-	-	-	-	-	-	-	-	-	-	-	-
"VOLAGE"	B	RES. IX	3	2	-	-	-	-	-	-	-	-	-	-	P. 1.8
"LENSBURGH"	B	RES. IX	2	1	-	1	-	-	-	-	-	-	-	-	P. 1.8
		RES. XIV	1	-	-	-	-	-	-	-	-	-	-	-	-
LENSBURGH TOTAL			3	1	-	1	-	-	-	-	-	-	-	-	-
TOTAL			590	529	4	15	53	4	5+1 AC	2+1 AC	2+1 AC	1+1B+2B+1 AC	12	27	-
"LEAPLETS"	91	WHITBY	9	9	-	-	-	-	-	-	-	-	-	-	-
		WELL. IC	1	1	-	-	-	-	-	-	-	-	-	-	-
		WELL. III	2	2	-	-	-	-	-	-	-	-	-	-	-
		WELL. X	4	4	-	-	-	-	-	-	-	-	-	-	-
LEAPLETS TOTAL			16	16	-	-	-	-	-	-	-	-	-	-	-
"GERRARD"	100	MASQUITO	50	3	-	7	-	-	-	-	-	1 AC	-	-	-
ST. PENCE	0	MASQUITO	1	1	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL			647	511	4	15	50	4	5+1 AC	2+1 AC	2+1 AC	1+2B+2B+2 AC	12	27	-

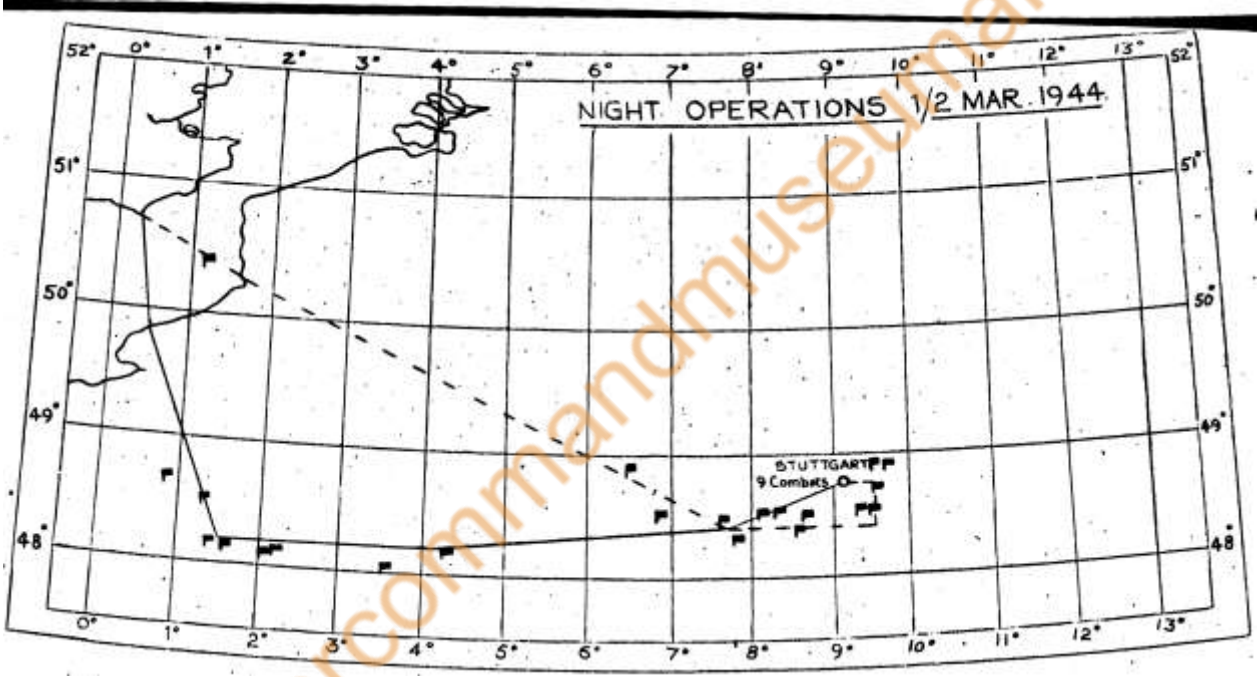
GRAND TOTAL: CHURCHES, COLLEGES, CATHEDRALS, DEW, F.S. 17, 18, COLLEGES, CRIP, BOUND.

TARGET	GROUP	INCIDENT TYPE	COUNT	NO. BOMBERS		NO. BOMBERS		INC.	BOMBERS		BY BRIT. INC. BOMBS	DOY. DUE TO BOMB ACTION (Excl. by T.B.'s)	ATTACKED	ATTACKED
				FRONT AREA	REAR AREA	OVER E.T.	NOT OVER E.T.		PLAK	FIGHTER				
SPECIAL OPERATIONS	3	HELICOPTER	10	-	-	-	-	-	-	-	-	-	-	-
	100	STURMO	3	-	-	-	-	-	-	-	-	-	-	-
		RECON	1	-	-	-	-	-	-	-	-	-	-	-
SPECIAL OPERATIONS TOTAL			14	-	-	-	-	-	-	-	-	-	-	-
STANDARD	1	RECON	5	-	-	-	-	-	-	-	-	-	-	-
		RECON	14	-	-	-	-	-	-	-	-	-	-	-
STANDARD TOTAL			19	-	-	-	-	-	-	-	-	-	-	-
TOTAL	4	TOTAL	33	-	-	-	-	-	-	-	-	-	-	-

447

X Not included in Grand Total

REMARKS: TARGET, TIME, LOCATION, WEATHER, RESULTS.



BOMB PLOT NOT AVAILABLE

BOMBER COMMAND REPORT ON NIGHT OPERATIONS

2/3rd MARCH, 1944.

MEULAN LES MEUREAUX: Albert: Munchen Gladbach: Krefeld:Aachen: Sottevast: Minelaying etc. -SUMMARY.

1. The aircraft factory at Meulan les Meureaux, near Paris, was successfully attacked by a force of Halifaxes. More cloud was met over the target than had been expected, but the T.I. of the Mosquitos were clearly visible, and the bombing was highly concentrated. So severely was the factory damaged that the Germans abandoned the use of it after the raid.

2. Lancasters of 5 Group achieved equal success in an attack on the aero-engine works at Albert, which they almost entirely destroyed with 12,000 lb bombs. Mosquitos attacked targets in the Ruhr, and the military construction at Sottevast, while other aircraft laid mines off N.W. France, dispersed leaflets, and attacked enemy airfields. From the night's operations, all our aircraft return undamaged.

WEATHER FORECAST.

3. Midnight frontal positions:- Occlusion from Bordeaux to Alps to Vienna, and possibly minor troughs in polar air.

Bases:- Fit all night, with little cloud and good visibility. Scattered snow showers.

Germany:- Heavy convection cloud to above 20,000' over North Sea, spreading inland to the edge of high ground. Good breaks in residual convection cloud over Middle Rhine. Layers of cloud at various levels in S.

France:- Convection cloud. Extensive clearances E. of 0°. Good breaks in W., with tops not above 9,000'. Layer cloud in S., but not above 10,000'.

Paris: not more than 3-4/10ths cumulus.

MEULAN LES MEUREAUX.PLAN OF ATTACK.

4. Route. Selsey Bill - 49 18'N. 00 50'E - Target - 48 57'N 02 05'E - 49 10'N 02 10'E - Beachy Head.

5. Method of Attack. 6 OBOE Mosquitos were to mark the aiming-point with red T.I., operating on Channels 1 and 3. A single Mosquito on Channel 2 was to release greens, but these were expected to be less accurate. Main Force aircraft, approaching the target from 293°, were to wait in the area until the T.I. went down and aim at the centre of reds, or, if none were visible, at the centre of the greens. (The T.I. were to burst at 4,000'). Aircraft of 4 Group were to bomb from 8,000' and 6 Group from 6,000'. All were to carry mixed loads of 1,000-lb M.C. and 500-lb M.C. bombs. No incendiaries were to be dropped.

.../Tining

6. Timing. Zero hour: 0305. Duration of attack: 0305 - 0315

3 Mosq. at zero
 2 " at zero + 3 (+ 1 reserve)
 1 " at zero + 6
 1 " at zero + 10 (+ 1 reserve)

36 Hals. from zero to zero + 4
 38 " from zero + 3 to zero + 7
 36 " from zero + 6 to zero + 10

7. WINDOW. Main Force aircraft were to drop one bundle of WINDOW per minute. Mosquitos were to release at the discretion of pilots.

SORTIES.

8. (a) No. of aircraft despatched 123
 (b) No. of aircraft reporting attack 109 (88.6%)
 (c) No. of abortive sorties 14 (11.4%)
 (d) No. of aircraft missing 0

WEATHER EXPERIENCED.

9. Bases:- Fit all night.

Route and Target:- 8/10ths strato-cumulus over Channel, tops 8-10,000', decreasing to 8-10/10ths over target, base 6,000', tops 8-10,000'. Later in the attack, cloud broke to 3-5/10ths. Slight ground haze. No moon. Good visibility below cloud.

NIGHT PHOTOGRAPHIC STATISTICS.

10. No. of a/c plotted within $\frac{1}{2}$ mile of aiming point (ground detail)..... 52
 No. of a/c plotted outside $\frac{1}{2}$ mile of aiming-point(ground detail)..... 27

NARRATIVE OF ATTACK.

11. Most of the Mosquitos experienced OBCE failure, and only 2 attacked, dropping red T.I. at zero + 6 and zero + 12 respectively. The first salvo fell 500 yards N. of the aiming-point; the second, on the N.E. corner of the factory. From zero + 6, 2 large fires developed in the factory testing hangars; and between zero + 12 and zero + 21, more fires started near the main assembly shops, S. of the maintenance shops and in the seaplane base. Towards the end of the raid, the target became obscured by smoke.

DAY RECONNAISSANCE

12. Photographs obtained on the day after the attack showed at least 470 craters in the target area, over half of the factory being destroyed. The seaplane base and the factory testing hangars were entirely flattened; the main assembly shops, the machine shops, the electric power plant and the maintenance shops were virtually destroyed; and direct hits were scored on the railway to the S. of the airfield, aircraft helter, and roads leading to the target. As the result of this raid, the Germans have abandoned production at the aircraft factory.

ENEMY DEFENCES

13. Negligible opposition was met from the ground defences. 19 fighters were seen, including 10 over the target, but no attacks were made.

CASUALTIES

14. From this attack, all aircraft returned safely.

ALBERT

15. 15 Lancasters of 617 Squadron were detailed to attack the aero-engine works of the Cie Mecanique d'Albert. The weather was clear over the target and, although

/the loader's bombsight

- 3 -

leader's bombsight was w/s, his deputy marked the aiming-point successfully, 14 aircraft attacked. 11x12,000 lb. bombs were dropped. Reconnaissance showed the target was almost entirely destroyed, while the adjacent factory of S.N.C.A. Nord, also engaged on the production of aero-engines, was more than half demolished. Little flak was encountered, but all the aircraft returned undamaged.

MUNCHEN GLADBACH

8 Mosquitos (3 Mk.I and 5 non-OBCE) were despatched to Munchen Gladbach. All OBCE aircraft made successfully controlled runs, and dropped green T.I. The other 5 attacked on GEE/DR, confirmed by the position of the T.I., and dropped 100 lb. bombs.

KREFELD

1 Mk.I Mosquito attacked the Edol steel works at Krefeld. Interference was light, and the navigator reported a rough release.

AACHEN

3 Mk.I Mosquitos bombed Aachen on OBCE.

SOTTEVAST

1 Mk.II FOUNTAIN PEN was detailed against the military construction at Sottevast; but its precision device failed, and it bombed the target area on D.R.

MINELAYING

6 Stirlings, out of a force of 8, laid 35 mines off N.W. France. The other aircraft abandoned their task.

LEAFLETS

8 Wellingtons scattered leaflets over N.France; 2 returned early.

FIGHTER OPERATIONS

2 Mosquito of 100 Group carried out SERRATE patrols, while others of A.D.G.B. patrolled enemy airfields. No hostiles were encountered.

AIRFIELDS

3. 2 Mosquitoes of 2 Group attacked Juvincourt airfield; a third could not identify its target, and brought its bombs back.

NET. RECCE.

1. One Mosquito carried out a net. reconnaissance flight.

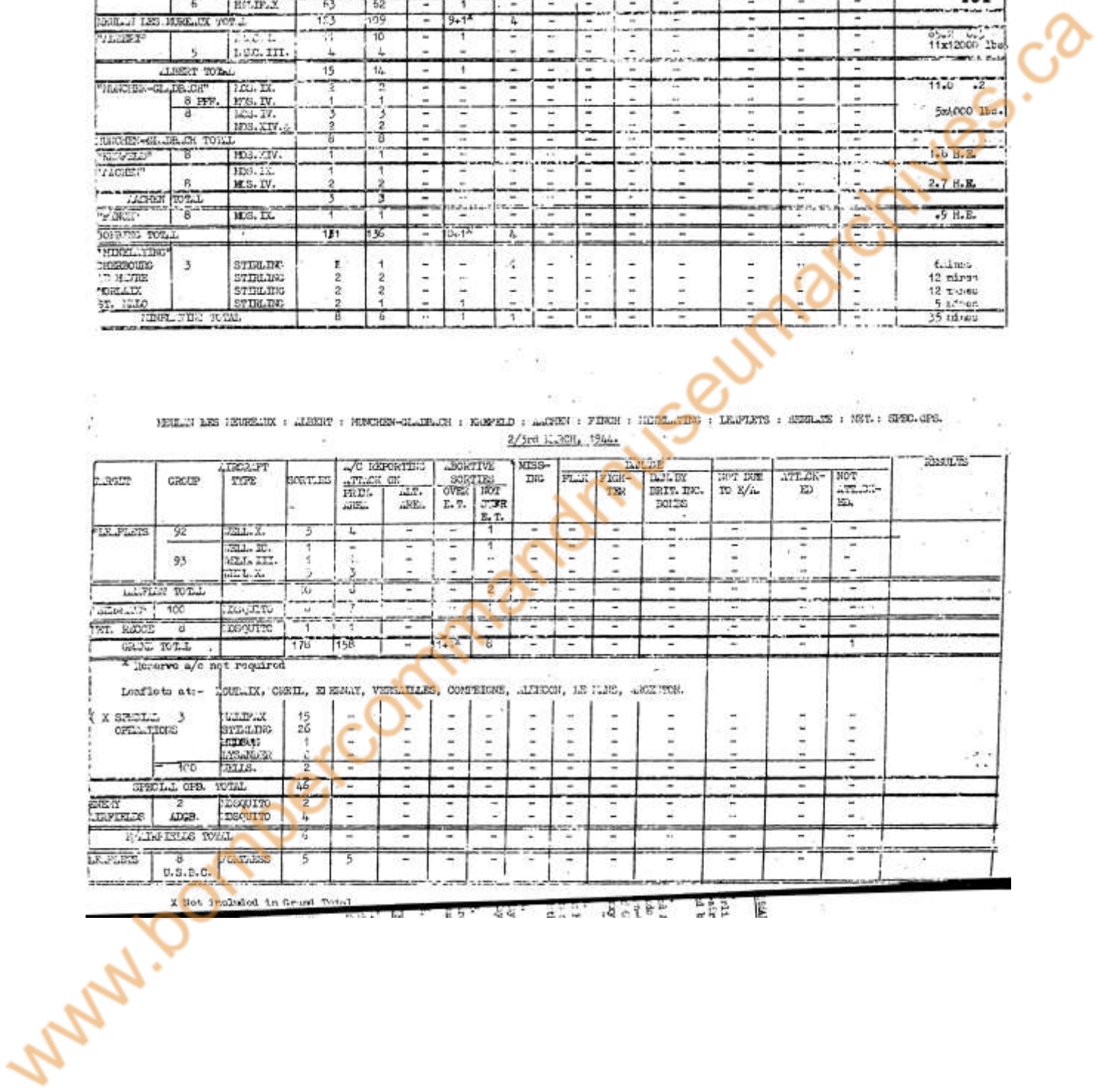
LP/MEA
C/S. 26342/1/CRS
10th May, 1944

UNIT	GROUP	AIRCRAFT TYPE	BOMBS	A/C REPORTING ATTACK ON		ABORTIVE SORTIES		MISS-ING	DAMAGE			NOT DUE TO A/L	ATTACK-ED	NOT ATTACK-ED	RESULTS
				FRONT AREA	ALT. AREA	OVER E. T.	NOT OVER E. T.		FLAK	FIGHTER	DAM. BY BRIT. INC. BOMBS				
"MELAN LES BUREAUX"	B	MES. IX.	5	2	-	2+1*	-	-	-	-	-	-	-	-	H.E. Inc. 490.4 .9 451
	F.F.P.	MES. XIV.	1	-	-	1	-	-	-	-	-	-	-	-	
	A	H.J.E.P.X	56	45	-	5	4	-	-	-	-	-	-	-	
	B	M.S.P.E.X	63	52	-	1	-	-	-	-	-	-	-	-	
"MELAN LES BUREAUX" TOTAL			125	109	-	9+1*	4	-	-	-	-	-	-	-	
"MELAN"		D.C. I.	11	10	-	1	-	-	-	-	-	-	-	-	6500 lbs 11x12000 lbs
	5	D.C. III.	4	4	-	-	-	-	-	-	-	-	-	-	
"MELAN" TOTAL			15	14	-	1	-	-	-	-	-	-	-	-	
"MARCHEN-CL. BRACH"		DC. IX.	3	2	-	-	-	-	-	-	-	-	-	-	11.0 .2 50000 lbs
	8 P.F.P.	MES. IV.	1	1	-	-	-	-	-	-	-	-	-	-	
	8	MES. IV.	3	3	-	-	-	-	-	-	-	-	-	-	
		MES. XIV.	2	2	-	-	-	-	-	-	-	-	-	-	
"MARCHEN-CL. BRACH" TOTAL			6	6	-	-	-	-	-	-	-	-	-	-	
"KEMPFLD"	8	MES. XIV.	1	1	-	-	-	-	-	-	-	-	-	-	1.0 H.E.
"LACHEN"	6	MES. IX.	1	1	-	-	-	-	-	-	-	-	-	-	2.7 H.E.
	6	MES. IV.	2	2	-	-	-	-	-	-	-	-	-	-	
"LACHEN" TOTAL			3	3	-	-	-	-	-	-	-	-	-	-	
"FINDACH"	8	MES. IX.	1	1	-	-	-	-	-	-	-	-	-	-	4.9 H.E.
"FINDACH" TOTAL			1	1	-	-	-	-	-	-	-	-	-	-	
"MELAN LES BUREAUX" TOTAL			121	106	-	10+1*	4	-	-	-	-	-	-	-	
"MELAN LES BUREAUX"	3	STIRLING	2	1	-	-	1	-	-	-	-	-	-	-	6.000
		STIRLING	2	2	-	-	-	-	-	-	-	-	-	-	12.000
		STIRLING	2	2	-	-	-	-	-	-	-	-	-	-	12.000
		ST. MARY	2	1	-	-	1	-	-	-	-	-	-	-	5.000
"MELAN LES BUREAUX" TOTAL			8	6	-	-	1	1	-	-	-	-	-	35.000	

MELAN LES BUREAUX : MARCHEN-CL. BRACH : KEMPFLD : LACHEN : FINDACH : MELAN LES BUREAUX : LE PLAYS : STIRLING : ST. MARY : SPEC. OPS.
2/3rd MARCH, 1944.

UNIT	GROUP	AIRCRAFT TYPE	BOMBS	A/C REPORTING ATTACK ON		ABORTIVE SORTIES		MISS-ING	DAMAGE			NOT DUE TO A/L	ATTACK-ED	NOT ATTACK-ED	RESULTS
				FRONT AREA	ALT. AREA	OVER E. T.	NOT OVER E. T.		FLAK	FIGHTER	DAM. BY BRIT. INC. BOMBS				
"LE PLAYS"	92	MEL. IX.	3	4	-	-	1	-	-	-	-	-	-	-	
	93	MEL. IX.	1	1	-	-	1	-	-	-	-	-	-	-	
		MEL. III.	1	1	-	-	-	-	-	-	-	-	-	-	
		MEL. A.	2	3	-	-	-	-	-	-	-	-	-		
"LE PLAYS" TOTAL			7	9	-	-	2	-	-	-	-	-	-	-	
"ST. MARY"	100	ESQUAD	4	7	-	-	-	-	-	-	-	-	-	-	
"ST. MARY"	8	ESQUAD	1	1	-	-	-	-	-	-	-	-	-	-	
"ST. MARY" TOTAL			178	158	-	-	8	-	-	-	-	-	-	-	1
* Reserve a/c not required															
Leaflets at:- MELAN LES BUREAUX, KEMPFLD, MARCHEN-CL. BRACH, STIRLING, ST. MARY, SPEC. OPS.															
"SPEC. OPS."	3	STIRLING	15	-	-	-	-	-	-	-	-	-	-	-	
		STIRLING	26	-	-	-	-	-	-	-	-	-	-	-	
		STIRLING	1	-	-	-	-	-	-	-	-	-	-	-	
		STIRLING	1	-	-	-	-	-	-	-	-	-	-	-	
"SPEC. OPS." TOTAL			43	-	-	-	-	-	-	-	-	-	-	-	
"ST. MARY"	2	ESQUAD	2	-	-	-	-	-	-	-	-	-	-	-	
"ST. MARY"	ADCS	ESQUAD	4	-	-	-	-	-	-	-	-	-	-	-	
"ST. MARY" TOTAL			6	-	-	-	-	-	-	-	-	-	-	-	
"LE PLAYS"	8	STIRLING	5	5	-	-	-	-	-	-	-	-	-	-	
"LE PLAYS" U.S.B.C.			5	5	-	-	-	-	-	-	-	-	-	-	

X Not included in Grand Total



BOMBER COMMAND REPORT ON NIGHT OPERATIONS

3/4th. MARCH, 1944.

Berlin: Dusseldorf: Krefeld: Sottevast: Minelaying: etc.PRIMARY

Berlin 16 non-OBOE Mosquitoes were sent on a harassing raid against Berlin. 15 attacked the primary, mostly on D.R. from steady flares dropped by aircraft over the Dummer See. The remaining aircraft had a technical failure, and bombed Osnabruck. All returned undamaged.

Dusseldorf 10 Mosquitoes (2 Mk.I, 2 Mk.II PENWIPER, 2 Mk.II FOUNTAIN-PEN and 4 non-OBOE) were despatched to Dusseldorf. One OBOE aircraft of each type made a successfully controlled run, and dropped red T.I. which were bombed by the non-OBOE aircraft; the others attacked on D.R. from precision fixes, because of OBOE failure. No aircraft was lost; one damaged its undercarriage in a landing accident.

Krefeld: Sottevast: 1 Mk.I Mosquito was sent against the Edel steel-works at Krefeld; but its device failed, and it bombed on D.R. Another Mk.I detailed to attack the military construction at Sottevast underwent the same experience. Both returned undamaged.

Minelaying 45 Stirlings, Wellingtons and Halifaxes were despatched to lay mines off the French Channel and Atlantic ports. 42 completed their task, laying 121 mines. All returned undamaged.

Leaflets 6 Wellingtons, out of a force of 9 sent out from Training Groups, scattered leaflets over towns in Northern France. No casualties were sustained.

Met. Recce One Mosquito carried out a met.recce. flight without incident.

WEATHER FORECAST

Bases:- Mainly fine, with little cloud; but the whole of East Anglia, and the coastal districts of Yorkshire and Lincolnshire, will be affected by snow showers. Moderate visibility. Local smoke troubles after midnight.

Germany:- Heavy convection cloud will spread inland from the North Sea over the plain of N. Germany. Good breaks S. of the high ground, especially in Middle Rhine. Much cloud in several layers S. of 49°N.

France:- Little cloud in N.E. Variable amounts of medium and strato-cumulus in N.W. and Central areas. Medium cloud will increase southwards.

Coast: variable strato-cumulus and medium cloud, 10/10ths. S. of 46½°N.

SORTIES

		Bombing	Minelaying	Other Ops
(a)	No. of aircraft despatched.....	29	45	10
(b)	" " reporting attack on primary area.....	28	42	7
(c)	" " " " " " alternative area 1.....	0	0	0
(d)	" " abortive sorties.....	0	3	3
(e)	" " aircraft missing.....	0	0	0
(f)	" " mines laid.....		121	

...../WEATHER EXPERIENCED.

WEATHER EXPERIENCED

9. Bases:- Fit all night, apart from snow showers on E. coast.
 Berlin:- 6-8/10ths. strato-cumulus, tops 5,000'. Good visibility.
 Ruhr:- 9/10ths. cumulus, tops 22,000'.
 W. France:- 7-8/10ths. cumulus in Brest area, breaking southwards
 2-3/10ths., then increasing S. of 45°N. to 10/10ths. Base 2-3,000' in N.
 1,000' in S. with showers and drizzle. Visibility mainly good.

ENEMY DEFENCES

10. No opposition was met from enemy fighters, although our minelayers
 2 over N. France. Heavy flak was accurately predicted to heights between
 25,000' and 32,000' at Berlin, Dusseldorf, Bremen and Osnabruck.

CASUALTIES

11. No losses were sustained, and no damage was sustained from enemy action
 although one Mosquito broke its undercarriage in a taxiing accident.

KLH/JT.
 BC/3.26342/6/ORS4,
 21st April, 1944.

RESULTS

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TARGET	GP.	AIRCRAFT TYPE	SORTIES	A/C REPORTING ATTACK ON		ABORTIVE SORTIES		MISS-ING	FLAK	FIGHTER	MISC. IN FLIGHT	NOT DUE TO ENEMY ACTION	ATTACKED	ATTACKED	RESULTS		
				PRIM. AREA	ALT. AREA	OVER E.T.	NOT OVER E.T.										
BERLIN	B.F.F.	Mosq. IX	1	-	1										H.E.	INC.	
		Mosq. XX	1														
	B.M.F.	Mosq. IX	1	1												14.7	-
		Mosq. IV	10	10												Heavy Bombs	
		Mosq. XX	2	2												2 x 1000 lb	453
Mosq. XVI	1	1															
BERLIN TOTAL			16	15	1												
DUSSELDORF	B.F.F.	Mosq. IX	6	6													
		Mosq. XX	2	2								1 AC					
	B.M.F.	Mosq. IV	2	2												9.4	G.3 Heavy Bombs
DUSSELDORF TOTAL			10	10								1 AC					
SHEFFIELD	B	Mosq. XVI	1	1													1.8 H.E. 100,000 lb
SCHWEINFURT	B	Mosq. IV	2	2													1.0 H.E.
TOTAL			20	20	1												
MINELAYING		Well. X	3	3													6 lines
STAMPEES		Stir.	2	2													10 "
CHERBOURG		Stir.	2	2													5 "
MORLAIX		Stir.	2	2													10 "
LE LAURE		Stir.	2	2													10 "
ST. MALO		Stir.	2	2													24 "
LA PALMICE		Hal.	9	9													20 "
ST. NAZAIRE		Hal.	6	5													16 "
CHERBOURG		Hal.	10	10													12 "
MINELAYING TOTAL			43	43													
LEAFLETS	S1	Well. III	4	4													
		Well. X	1	1													
	S2	Well. III	1	1													
Well. Y	3	3															
LEAFLET TOTAL			9	9													

..../Cont'd

BERLIN: DUSSELDORF: SHEFFIELD: SCHWEINFURT: MINELAYING: LEAFLETS: MET: SPEC. OP. 1/4 MARCH 1964 (Continued)

TARGET	GP	AIRCRAFT TYPE	SORTIES	A/C REPORTING ATTACK ON		ABORTIVE SORTIES		MISS-ING	DAMAGE				INTERCEPTIONS		RESULTS
				PRIM. AREA	ALT. AREA	OVER E.T.	NOT OVER E.T.		FLAK	FIGHTER	MISC. IN FLIGHT	NOT DUE TO ENEMY ACTION	ATTACKED	NOT ATTACKED	
BOMBING, MINELAYING and LEAFLETS TOTAL			83	76	1		6					1 AC			
MET. RECOE.	B	Mosq.	1	1											
GRAND TOTAL			84	77	1		6					1 AC			
LEAFLETS AT:- STAMPEES, FOWLINBLEAU, MORLAIX, CHERBOURG, CHATEAUBRIANT.															
SPECIAL OPERATION	S	Hudson	1												
		Stirling	26												
		Halifax	23												
Lysander	4														
SPECIAL OPERATION TOTAL			54												

X Not included in Grand Total.

CCFY NO. 16BOMBER COMBINED REPORT ON NIGHT OPERATIONS1/5th. MARCH, 1944.Berlin: Duisburg: Aachen: Sottovast: La Ricamarie: Minelaying: etc.SUMMARY

1. Berlin 15 Mosquitoes left on a harassing raid against Berlin. 10 attacked the primary; another reached the capital, but was unable to release its bombs. 2 aircraft bombed alternative targets at Texel and Osnabruck; and the remaining 2 abandoned their task. All returned safely.
2. Duisburg 6 Mosquitoes (2 Mk.I, 1 Mk.II PENWIPER and 3 non-PROB) were sent to Duisburg. 1 Mk.I made a successfully controlled run, but its T.I. had burnt out by the time the 3 backers-up arrived, and they dropped their 4,000lb. bombs on D.R. from GEE fixes. The precision device of the PENWIPER failed, and the aircraft jettisoned its load, while the remaining Mk.I, because of an error of the ground station, bombed Aachen. All returned undamaged.
3. Aachen 1 Mk.I Mosquito was despatched to Aachen, but its precision device failed, and it attacked the Krefeld area.
4. Sottovast 1 Mk.II FOUNTAIN PEN Mosquito made a successfully controlled run against the military construction, but released on a poor signal.
5. La Ricamarie 15 Lancasters of 617 Squadron were detailed to attack the needle bearing factory at La Ricamarie; but owing to weather conditions, it proved impossible to identify the target, and on the instructions of the leader, the force abandoned its task. All returned safely.
6. Minelaying 10 Halifaxes laid 20 mines off coast without incident.
7. Met. Recon 1 Mosquito carried out a met. reconnaissance flight.

WEATHER FORECAST

1. Bases:- A frontal system is moving southwards at 40 m.p.h. from N. Scotland, and will reach the Thames estuary as an occlusion at about 2200. S. of the front, there will be a large expanse of cirrus, 150 miles of alto-stratus and an 80-mile wide snow belt. At this time, 1 Group will be behind the front, with clearing skies, and 3 and 8 Groups, head of the front, will have well broken strato-cumulus and 10/10ths. medium cloud. 5 Group will have low cloud and snow. For return, bases W. of 00° will generally be fit.

Germany:- Variable amounts of strato-cumulus, with medium cloud above. Munich: 7-10/10ths. strato-cumulus, well broken medium cloud. Nothing above 15,000'.

France:- Variable amounts of strato-cumulus (10/10ths. in some areas) with broken medium cloud above.

<u>SORTIES</u>		<u>Counting</u>	<u>Mines</u>
9.	(a) No. of aircraft despatched.....	38
	(b) " " " reporting attack on primary area.	15
	(c) " " " " " alt. " "	4
	(d) " " abortive sorties.....	19
	(e) " " aircraft missing.....	0
	(f) " " mines laid.....	

WEATHER EXPERIENCED

10. Bases:- Low cloud and snow affected Yorkshire by 1800, and quickly spread into Lincoln and N. Midlands. By 2100, all areas between Spurn-Her Yarmouth-Severn were involved. This belt moved southwards, leaving 10/10 strato-cumulus behind it. Operational Groups did not clear until after midnight.

Berlin-Ruhr:- Cloudless. Good visibility.

N. France:- Scattered thin strato-cumulus, tops 4,000'.

La Ricamarie:- 10/10ths. strato-cumulus, tops 8,000'.

ENEMY DEFENCES

11. A little flak was met from German targets. No fighters were seen.

CASUALTIES

12. No aircraft was lost from the above operations; but 2 Stirlings did not return from special sorties over the Continent. One Mosquito was slightly damaged by flak over Berlin.

MLM/JT.

12/5. 20242/6/0734,
21st. April, 1944.

NOT
RECORDED

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THEATER	GRADE	DESIGNATION	MONTHS	ATTACK ON		SCHIFFS		DND	FLK	FIGHTER	DISC. IN FLIGHT	OTHER CAUSES	ATTACKED	NOT ATTACKED		
				PRIM. AREA	SEC. AREA	OVER E. T.	NOT OVER E. T.									
BERLIN	8 IFF	MES. IX	1		1											0.9 H.E.
		MES. IV	10	7	1	1	1		1							
	8 M.F.	MES. IX	2	1			1									
		MES. XVI	1	1												
		MES. XX	1	1												
BERLIN	TOTAL		15	10	2	1	2		1							
DUISBURG	8 IFF	MES. IX	1	1	1	1										6.0 H.E. .1 Inc. 3 x 4000 lb.
		MES. IV	2	2												
	8 M.F.	MES. XVI	1	1												
DUISBURG	TOTAL		6	4	1	1										
MUNICH	8	MES. XVI	1		1											.9 H.E.
STUTTGART	8	MES. IX	1	1												
L. HULLERDE	5	L.H.C. I	11				11									
		L.H.C. II	4				4									
L. HULLERDE	TOTAL		15				15									
BOREING	TOTAL		38	15	4	17	2		1							
MINDL. YENS	6	H.I.P.A.	10	10												20 mines
MET. RIDGE	8	MES.	1	1												
GRAND	TOTAL		49	26	4	17	2		1							
SPECIAL OPERATION	3	H.I.P.A.	19													
		HESON	1													
		STILLING	56													
H.E. GR. TOTAL			76						2							

* Not included in Grand Total.

C.2.2.3.

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BOMBER COMMAND REPORT ON NIGHT OPERATIONS

5/6th. MARCH, 1944.

Duisburg: Aachen: etc.RAID

Duisburg 9 Mosquitoes (2 Mk.I., one Mk.II PENWIPER, one Mk.II FOUNTAIN- and 5 non-OBCE) were sent to Duisburg. All the OBCE aircraft made successfully controlled runs, and dropped T.I., which the non-OBCE aircraft missed. A fire was seen in the built-up area E. of the river bend.

Aachen One Mk. Mosquito bombed Aachen by means of its precision device, dropping a 4,000 lb. bomb.

Other operations 3 Mosquitoes, out of 4 despatched, completed SEARCHLIGHTS in the Duisburg area without making any interceptions. Another Mosquito made out a net. reconnaissance flight, while U.S. Fortresses scattered leaflets over Northern France. No aircraft was lost or damaged on the above-mentioned operations, but from special sorties over the Continent, one aircraft did not return.

WEATHER FORECAST

Bases:- An anti-cyclone moving eastwards will give a flat gradient over British Isles tonight. Cloud will disperse to nil, but visibility will deteriorate badly towards dawn. Slight risk of widespread fog. Training Groups will be safe for diversions.

Continent:- Generally covered with strato-cumulus, with a good chance of flak over the German plain. Munich: 7-10/10ths. to 12,000'. Gironde: 7/10ths. strato-cumulus, base 2-3,000', tops 5-6,000'. Moderate visibility.

RESULTS

	<u>Bombing</u>	<u>Other Ops.</u>
(a) No. of aircraft despatched.....	10	5
(b) " " " reporting attack on primary area.....	10	4
(c) " " abortive sorties.....	0	1
(d) " " aircraft missing.....	0	0

WEATHER EXPERIENCED

Bases:- Local fog and mist by 0200, becoming widespread in Lines. by 0500.

Ruhr:- 6-9/10ths. very thin strato-cumulus. Excellent visibility.

ENEMY DEFENCES.

No fighters were seen. Slight flak was encountered over the Ruhr.

REMARKS

One aircraft was lost on special operations over N.E. France. The cause unknown.

WJT.
/S. 26342/6/ORG4.,
at. April, 1944.

AREA	MONTH	VESSEL TYPE	NO. OF BOMBERS	ATTACK ON		SORTIES		DNG	PLANE	FIGHTER	REGR. IN FLIGHT	OTHER CLAIMS	AFFIRMED	BOM. ATTACHED		
				PRIN. ARE.	J.T. ARE.	OVER E.T.	NOT OVER E.T.									
DUISBURG	8	MCS. IX	4	4												H.E. INC. 10.7 -3 4 x 4000 lb.
		MCS. IV	2	2												
		MCS. XVI	3	3												
DUISBURG	TOTL		9	9												
LACHEZ	8	MCS. XVI	1	1												1.8 HE 1 x 4000 lb.
BOMBING	TOTL		10	10												
SEVENTH	100	MESQUITO	4	3			1									
NAV. BROS	8	MESQUITO	1	1												
GRAND	TOTL		15	14			1									
SPEC. OPS.	100	WELL.	3													
		MCS.	1													
SPECIAL OPERATIONS	3	STRELAND	4	9												
		HALIFAX	17													
SPEC. OP.	TOTL		70													
SAPLEIN	8 USBC	FORTRESS	5	5												

NOT INCLUDED IN GRAND TOTAL

LEAVIETS AT:- LE MANS, OCEANO, REIMS, PARIS

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BOMBER COMMAND REPORT ON NIGHT OPERATIONS

6/7TH MARCH, 1944.

TRAPPES M/Y: Hannover: Kiel: Krefeld, etc.SUMMARY.

1. Halifaxes carried out a most accurate groundmarking attack on the marshalling yards at Trappes, in the Paris area. Enormous damage was caused to tracks, rolling stock and railway buildings. None of the 267 aircraft was lost or damaged.
2. Mosquitoes carried out harassing attacks on Hannover and Kiel, and a precision raid on the Edel steel-works at Krefeld. Other aircraft attacked enemy airfields, destroying one fighter in the air, and made special sorties over the Continent - all without loss.

WEATHER FORECAST.

3. Bases:- The situation is difficult; bases will be fit wherever strato-cumulus holds, but fog will form quickly where the cloud clears. East Anglia and 1, 3 and 8 Groups will certainly have trouble. 4 and 6 Groups will in any case be affected by smoke. 5 and 100 Groups may be workable. Diversions: S. and S.W., with a few stations in Training Groups.

Germany:- N.W. of a line stretching from Munich to 52°N. 20°E., there will be extensive clearances in strato-cumulus, with patches of high and medium cloud. S.E. of this line, 10/10ths. thick medium cloud, with much low cloud. Koenigsburg: good chance of a clear sky. Strato-cumulus will break beyond Denmark. (A later observation, at 1300 hours, indicated that this target would probably be covered with medium and strato-cumulus cloud).

France:- Little cloud. Moderate visibility early in the night.

TRAPPES.PLAN OF ATTACK.

4. Route. Dungeness - TRAPPES - 48.40'N. 01.40'E. - Selsey Bill.

5. Method of Attack. OBOE Mosquitoes on Channels 1 and 3 were to mark the western aiming-point with red T.I., while a third, operating on Channel 11, was to attack with greens. 30 minutes later, these aircraft were to follow the same procedure in marking the eastern aiming-point. Thin force aircraft were to aim at the centre of reds or, if none were seen, at the centre of greens. They were warned that the latter were likely to be the less accurate. On no account were they to bomb before the T.I. had gone down.

6. Timing. Zero hour: 2045. Duration of attack: 1st phase, 2044 - 51
2nd phase, 2117 - 23

1st attack: 1 Mosq. (+ 1 reserve) at zero - 1 (Channel 1)
1 Mosq. (+ 1 reserve) at zero + 3 (Channel 11)
1 Mosq. (+ 1 reserve) at zero + 5 (Channel 3)

1st wave of Halifaxes from zero to zero + 3
2nd " " " " zero + 3 to zero + 6

2nd attack: 1 Mosq. (+ 1 reserve) at zero + 29
1 Mosq. (+ 1 reserve) at zero + 33
1 Mosq. (+ 1 reserve) at zero + 35

1st wave of Halifaxes from zero + 32 to zero + 35
2nd " " " " zero + 35 to zero + 38

... /over

7. Tactics Aircraft were to bomb from 12-15,000', which height they were to reach before crossing the enemy coast. WILCOX was to be dropped by main force aircraft (but not by Mosquitoes) at the rate of one bundle per minute from the enemy coast to the target, and back to the enemy coast.

SORTIES

8.	(a)	No. of aircraft despatched.....	267
	(b)	" " " reporting attack on primary area.....	263(98)
	(c)	" " abortive sorties.....	4(1)
	(d)	" " aircraft missing.....	0

WEATHER EXPERIENCED

9. Bases:- 4 and 6 Groups remained fit until 0100, with much strato-cumulus thereafter, visibility slowly deteriorated, with slight rain developing. 1, 5 and 8 Groups had widespread fog by midnight. The north of East Anglia stayed fit until 0400.

Route:- Variable strato-cumulus over England, tops 6,000'. 2-3/10ths. over S. coast, increasing again to 9-10/10ths. towards French coast. Cloud broke again S. of Dieppe, and dispersed to small amounts.

Target:- No cloud. Moderate visibility. Moon $\frac{3}{4}$ full.

Winds:- At 14,000', 050°/40 m.p.h. At surface, N.E. 15 m.p.h.

NIGHT PHOTOGRAPHIC STATISTICS

10.	No. of aircraft plotted with $\frac{1}{2}$ mile of A/P (ground detail...128).....	135
	(fire-tracks.... 7)	
	" " " " outside $\frac{1}{2}$ mile of A/P(ground detail.. 94).....	97
	(fire-tracks.... 3)	
	" " " estimated to have bombed within $\frac{1}{2}$ mile of A/P.....	135-151

NARRATIVE OF ATTACK

11. In the first attack, the leading Mosquito dropped its reds 70 yd./140° and 140 yd./190° from the aiming-point, 2 minutes early. The second Mosquito failed and the third released less accurately, its salvoes falling 470 yd./550° and 580 yd./50° from the correct position. One reserve attacked, dropping reds at 470 yd./97°. The main force achieved an excellent concentration. In the second attack 3 salvoes of reds fell 180-270 yds. from the aiming-point; and again the bombing was admirably centred on the markers. The hump 700 yards N. of the second aiming-point was clearly visible, so that a T.T. near it attracted little bombing.

DAM RECONNAISSANCE

12. Photographs obtained on the morning after the attack showed extremely heavy damage throughout the yards. Of the innumerable craters in the target area, over 190 were direct hits on tracks, and many of these disrupted more than one line. Over 50 bombs fell on lines of rolling stock, derailing and wrecking many waggons. The hump in the middle of the yard sustained one direct hit, with at least 9 more hits on approaches to it and the points nearby. The footbridge at this point, which crosses the yard, was partly demolished. About 34 of the hits cut all the tracks of the main electrified line between Paris and Chartres, which passes the yard, and several of the overhead standards had collapsed. The constitution of lines at the eastern end of the yard received at least 5 direct hits, while another cut the approach to the road bridge. The engine shed N.E. of the target was two-thirds destroyed, and here again much damage was caused to tracks and rolling stock, particularly the main through lines. At least 6 engines were wrecked in these sheds. 4 hits were scored on the shunting point at the eastern end. N.W. of the target area, severe damage was caused to residential property, and 15 direct hits were scored on Route Nationale No. 10.

...../ENEMY DEFENCES.

NAVY DEFENCES

15. Very slight opposition was met from the ground. 4 heavy guns fired predicted unseen fire at the target, assisted by a few light guns. Searchlights operated feebly. Very few fighters were seen, and one of the 2 attacks reported was made by one of our own Halifaxes. The German fighter controllers appeared to expect an attack on Berlin, to follow up the 2 daylight assaults of the U.S.A.A.F., and did not attempt to interfere with the Trappes raid, although they moved their fighters as far westwards as the Belgian coast.

CASUALTIES

1.	No. of aircraft missing.....	0
"	" " " Damaged.....	0

HANNOVER

15. 13/15 non-OBOE Mosquitoes of 8 Group carried out a harassing attack on Hannover between 2112-2131 hours from 21-28,000'. The target was clear of cloud, and most aircraft bombed visually. One of the remaining aircraft attacked Celle. No losses or casualties were sustained.

KIEL

16. 5/6 non-OBOE Mosquitoes attacked Kiel at the same time as the raid on Hannover, through 10/10ths. cloud. All returned unharmed.

KREFELD

17. One Mk.I Mosquito attacked the steel-works at Krefeld, making a successfully controlled run; and returned safely to base.

FIIGHTER OPERATIONS

18. 13 Mosquitoes of 2 Group and A.E.C.P. patrolled airfields in the Low Countries and West Germany, dropping bombs and destroying 1 Me.110.

SPECIAL OPERATIONS

19. 30 Halifaxes, Hudsons, Lysanders and Stirlings of 3 Group, and 1 Halifax of 100 Group, were detailed to carry out special operations over the Continent. 16 aircraft were successful. All returned safely.

U.S.E.C.

20. 8 Fortresses dispersed leaflets over Northern France without loss.

MMJ/JT.

BC/S. 26342/2/OPS4.,

23rd. May, 1944.

TYPE	NO.	TYPE	IN FLIGHT		OVER	NOT OVER	IN FLIGHT	CLASS	NO.	ED	H.E.	INC.
			PRE-ARE.	ON .ALT. ARE.								
TRAFFIC	8 PFF.	Mos. IX	6	4		2					1258.9	1.8
		Hal.	51	51						2		
		Hal. III	91	91						2		
		Hal.	52	52								
	6	Hal. III	67	65						2	3	
TRAFFIC	TOTL		267	263		2	2			2	7	
HARNOVER	8 PFF.	Mos. IV	1	1							16.5	.1
		Mos. VII	7	2								
	8 H.F.	Mos. IV	9	7	1	1			2			
		Mos. XVI	2	2								
		Mos. XX	1	1								
HARNOVER	TOTL		15	13	1	1			2			
KIDN	8	Mos. IV	6	5							4.5 H.E.	
KRUPFELD	8	Mos. XVI	1	1							1.8 H.E.	10000 lb.
GRAND TOTL			289	282	1	3	3		2			
LE FLESH	8 USBC	Portreau	5	5								
SPECIAL OP.		Halifax	16									
		Baldern	3									
		Lysanders	2									
		Stirlings	9									
SPECIAL OP. TOTL			30									
SPECIAL OP. TOTAL 100		Halifax	1									
NON-REPAIRABLES	2	Mosquito	8									
	D.C.B.	Mosquito	5									
			13									

X NOT INCLUDED IN GRAND TOTL

B USBC LEAFLETS AT:- CUSRA-I, LILLE, LOHENT, NANTES, ORLANS, UNION

RAID TRACKS AND BOMB PLOTS NOT AVAILABLE

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BOMBER COMMAND REPORT ON NIGHT OPERATIONS

7/8TH MARCH, 1944.

LE HANS: Ruhr Targets: Leaflets, etc.

AV

304 Halifaxes, Lancasters and Mosquitos were sent to attack the marshalling yard at Le Mans. The target was unexpectedly covered with cloud, and several OBOE aircraft failed to operate; but 2 concentrated attacks were delivered, giving the yards seriously with over 100 direct hits. No aircraft was lost.

Mosquitos carried out precision attacks against targets in the Ruhr, bombed enemy airfields and carried out fighter patrols. Other aircraft dropped leaflets and made special sorties over the Continent; all without loss.

INTRODUCTION

Basin:- All fit at dusk, with several layers of broken cloud (lowest 50') in moderate visibility. The lowest layer will gradually drop to 1,300-1,500' (above M.S.L.), and increase to 10/10ths., with patches of very low stratus r hills on the east coast. W. of the Wash, cloud will thicken but will remain km. East of the Wash, visibility. Heavy rain will be available E. of the Wash.

Germany:- Thick sea-level cloud and strato-cumulus in Central and S. Germany; in layers of medium cloud, with broken strato-cumulus, in N. and W.

France:- Much strato-cumulus in N. cloud in E. Patchy strato-cumulus in W., possibly with some thin sea-level cloud above. Le Mans: well broken strato-cumulus - good chance of small bombs. Medium cloud may spread in front of E.S.

ROUTE

ROUTE

Route Selsey Bill - 49 15'N. 00 10'W. - 48 30'N. 00 40'W. - Target - 50 15'N. 00 10'W. - 48 30'N. 00 50'W. - Selsey Bill.

Method of attack: 4 OBOE Mosquitos on Channels 1 and 3 were to mark the N. aiming-point with red F.I., and to return 30 minutes later to mark the N.E. aiming-point in like manner. In both attacks, main force aircraft were to aim at the centre of the reds.

Timing Zero hour: 2140

(a) Duration of attack: 2100-2120. (b) Duration of attack: 2138-2152

1 Mosq. at zero - 2 (Ch.1) -	1 Mosq. (at zero + 2) with 1 Mosq. on each
1 " " zero (Ch.3) -	1 " " + 30 } channel in reserve
1 " " zero + 8 (Ch.1) -	1 " " + 33 } throughout.
1 " " zero + 10 (Ch.3) -	1 " " + 40 }

53 Hails. from zero to zero + 6	60 Hails. (from zero + 30 to zero + 36
48 Hails. from zero + 6 to zero + 12	24 Hails.)

56 Hails. (from zero + 36 to zero + 42
32 Hails.)

...../7. Tactics.

7. Tactics Aircraft were to bomb from 12-15,000'; but if no T.I. visible, they were to bring their bombs back. Main force aircraft were to drop one bundle of WINDOW per minute within 30 miles of the target. Mosquitoes to drop WINDOW at the discretion of the individual captains.

SORTIES

8.	(a)	No. of aircraft despatched.....	30	per
	(b)	" " aircraft reporting attack on primary area.....	20	
	(c)	" " abortive sorties.....	*10	
	(d)	" " aircraft missing.....		

* This figure includes 2 reserve markers, which were not called. but one of these other sorties were abortive because no T.I. could be seen.

WEATHER EXPERIENCED

9. Bases:- All fit until 0300. Patches of low stratus after midnight; S.E., S. Midlands and Lines. After 0300, low cloud spread to 1, 4, 5 and Training Groups.

Route:- Little cloud over England, increasing to 10/10ths. from Channel.

Target:- 10/10ths. medium cloud, base 5,000', tops 7-8,000'. full moon. Good visibility below cloud. Wind at 8-15,000'; 070-080°/X

NIGHT PHOTOGRAPHIC STATISTICS

10. No aircraft returned ground detail photographs, because of the dense cloud covering the target.

NARRATIVE OF ATTACK

11. In the first attack, only the third Mosquito was able to mark the target on OBOE. It attacked 2 minutes late at zero + 10, and its T.I. quickly disappeared into the cloud. 73 main force aircraft bombed in this phase. In the second attack, the first 2 Mosquitoes marked the hitting-point successfully each within 1½ minutes of their appointed time. 125 main force aircraft attacked, and their bombing was reported as concentrated. Many explosions heard, including one mighty one during the second attack. One aircraft went down below the cloud, and saw a large building blow up; but reported that the attack was centred S.W. of the target.

DAY RECONNAISSANCE

12. Although the attack was centred off the target, at least 112 direct hits were scored on the marshalling yards, especially at the southern end, causing great damage to tracks and rolling stock. The roundhouses, locomotive sheds and repair shops, transshipment sheds, stores dumps and numerous other buildings connected with the yards, were seriously affected by direct hits and blast. Bombs fell on the airfield E. of the target, and one medium-sized building of Gnome et Rhone aero-engine works was gutted.

ENEMY DEFENCES

13. Negligible opposition was encountered. Few fighters were seen, but a Halifax of 4 Group claimed the probable destruction of a Ju.88. Aircraft descending below the cloud were hotly engaged by the light guns surrounding the target; but none was damaged.

...../C.SULLIVAN.

STATISTICS

No. of aircraft missing..... 0
 " " " damaged {flak..... 0}..... 2
 {fighter..... 0}
 {non-enemy action. 2}

One aircraft was damaged in a landing accident; and one by fire from German Halifax.

DUISBURG

3 Mk.I Mosquitos were despatched against Vereinigte Stahlwerke at Duisburg. One attacked on OBOE, and another on D.F.; the third abandoned its attack over the North Sea, because of OBOE failure. All returned safely.

COLOGNE

5 Mk.I Mosquitos were sent to Cologne. 4 made successfully controlled attacks; the fifth brought its bombs back, because of OBOE failure. All returned safely, although one was badly damaged by a German fighter.

MUNCHEN-GLADBACH

6 ALBUM LEAF Mosquitos were despatched to Munchen-Gladbach - the first operational use of this type of OBOE device. 5 made successfully controlled attacks, the sixth bombing the target area on D.F. from a precision fix. All returned safely.

KREFELD

1 Mk.I Mosquito attacked the Edel steel-works at Krefeld on OBOE.

LEAFLETS

6 Wellingtons scattered leaflets over N. France without incident.

FIGHTER OPERATIONS

10 Mosquitos of 2 Group attacked enemy airfields at Rosieres, Rheims, Montdidier, Venlo, Juvincourt, Dern/Athies and Chateaudun. 3 Mosquitos of 100 Group carried out SERPENT patrols; and 8 of 100 G.F. attacked other airfields. No enemy fighters were encountered, and none of our aircraft was lost.

SPECIAL OPERATIONS

57 Halifaxes, Stirlings, Mosquitos and Wellingtons from 3 and 100 Groups were detailed on special operations over the Continent. 20 were successful. No casualties were sustained.

NET. FLIGHT

1 Mosquito carried out a net. reconnaissance flight, without incident.

MEM/ST.
 BC/S. 26342/1/ORS4,
 25th. May, 1944.

TARGET	GROUP	INCIDENT TYPE	SORTIES	A/C REPORTING		LOSSIVE SORTIES		MISS-ING	DAMAGE				DISTRIBUTIONS		RESULTS		
				PRD. A/Cs	OT. A/Cs	OVER % T.	NOT OVER % T.		PLUK	FIGHTER	BREI. INC. BOMBS	OTHER LOSSES NOT DUE TO X/acc	ATTACKED	NOT ATTACKED	H.E. Inc.	Inc.	
LE HANS	8 PFF	Hsq. IX	5	3	-	1+1*	-	-	-	-	-	-	-	-	-	-	463
		Hsq. XVI	1	-	-	1*	-	-	-	-	-	-	-	-	-	-	
	5	Lanc. II	32	21	-	11	-	-	-	-	-	-	-	-	-		
	4	Hal.	43	27	-	14	-	-	-	-	-	-	2	-	-		
	6	Hal. III	85	61	-	20	1	-	-	-	-	-	-	1	-		
	6	Lanc. II	24	13	-	11	-	-	-	-	-	-	-	1	-		
		Hal.	52	31	-	16	2	-	-	-	-	-	-	2	-		
		Hal. III	64	39	-	21	4	-	-	-	-	-	1	1	6		
LE HANS TOTAL			304	201	-	91+2*	7	-	-	-	-	-	1+1.0	3	10		
DUISBURG	8	Hsq. XVI	3	2	-	-	1	-	-	-	-	-	-	-	-	3.6 H.E. 2nd 0001b	
...CHRY	8	Hsq. IV	5	4	-	1	-	-	-	1B	-	-	1	-	-	3.6 H.E.	
MUNICH CL. DRACH	8	Hsq. IX	5	6	-	-	-	-	-	-	-	-	-	-	-	3.4 H.E.	
KREZFELD	8	Hsq. IX	1	1	-	-	-	-	-	-	-	-	-	-	-	3.9 H.E.	
D. & D. TOTAL			319	214	-	13	8	-	-	1B	-	-	1+1.0	4	10		
LE PLATS	91	Well. III	3	3	-	-	-	-	-	-	-	-	-	-	-		
		Well. X	3	3	-	-	-	-	-	-	-	-	-	-	-		
LE PLATS TOTAL			6	6	-	-	-	-	-	-	-	-	-	-	-		
SREPT	100	Hsq.	3	3	-	-	-	-	-	-	-	-	-	-	-		
MET. RESCE.	8	Hsq.	1	1	-	-	-	-	-	-	-	-	-	-	-		
TOTAL			329	224	-	95+2*	8	-	-	1B	-	-	1+1.0	4	10	Reserve a/ not required	
INTRUDERS	2	Hsq.	10	-	-	-	-	-	-	-	-	-	-	-	-	Not included in Total.	
	8	Hsq.	8	-	-	-	-	-	-	-	-	-	-	-	-		
INTRUDER TOTAL			18	-	-	-	-	-	-	-	-	-	-	-	-		
SPECIAL OP.	3	Hal.	16	-	-	-	-	-	-	-	-	-	-	-	-	Lowfloss at: Granville; Rennes; St. Nazaire	
	100	Hal.	35	-	-	-	-	-	-	-	-	-	-	-	-		
		Wells.	2	-	-	-	-	-	-	-	-	-	-	-	-		
		Hsq.	1	-	-	-	-	-	-	-	-	-	-	-	-		
SPECIAL OP. TOTAL			57	-	-	-	-	-	-	-	-	-	-	-	-		

RAID TRACKS AND BOMB PLOTS NOT AVAILABLE

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BOEMER COMBINED REPORT ON NIGHT OPERATIONS

9/10th. MARCH, 1944.

Marignane: Dusseldorf: Serrate:

SUMMARY

Marignane 14 Lancasters of 5 Group were sent to attack the S.N.C.A.S.E. aircraft factory at Marignane, near Marseilles. A concentrated raid was delivered in bright moonlight, causing severe damage to the target. All the aircraft returned safely.

Dusseldorf 3 Mosquitos (1 Mk.I, 1 PERMAPER, 1 FORTLIN PVI and 5 non-OBOE) were sent to Dusseldorf. The Mk.I made a successfully controlled run, and dropped T.I., at which the non-OBOE aircraft aimed 4,000lb. bombs. Both the Mk.II aircraft had OBOE failure, and attacked the Dusseldorf area on D.R. All returned safely.

Serrate 2 Mosquitos of 100 Group completed patrols, without incident.

WEATHER FORECAST

Bases:- Widespread fog after 2300 hours, S. of the Harber. Yorkshire clear after 0100, and 6 Group should hold 1 mile visibility until 0300. Safe diversions in S.W. until 0100, and in Cornwall all night.

Germany and France:- Much strato-cumulus in S., with layers of cloud at high and medium levels. Low stratus or strato-cumulus will form soon after dusk along the North Sea and Channel coasts; but will not spread more than 50 miles inland, until after midnight.

<u>REPORTS</u>	<u>Marignane</u>	<u>Dusseldorf</u>	<u>Serrate</u>
(a) No. of aircraft despatched.....	14	8	2
(b) " " " reporting attack on primary area 43	8	8	2
(c) " " abortive sorties.....	1	0	0
(d) " " aircraft missing.....	0	0	0

WEATHER EXPERIENCED

Bases:- Little cloud at first, except in East Anglia. Mist and fog formed quickly in operational areas, and soon became widespread. Only S.W. England remained unaffected. Light rain began to fall in the N., and visibility improved.

Marignane:- No cloud. Full moon. Excellent visibility.

Dusseldorf:- 10/10ths. cloud, tops 3-5,000'.

PHOTOGRAPHIC RECONNAISSANCE (Marignane)

7. Photographs obtained on the afternoon following the attack showed that the attack had fallen evenly across the target in a N.E. - S.W. direction. All the buildings of the factory had been damaged, especially the assembly shops, the heat treatment shops, M/T. park, stores, and flight and repair hangars. The adjacent airfield also suffered heavily, many hangars and administration buildings being affected by fire and blast. Hits were scored on roads bounding the site/which the internal

and on the internal network of roads between the various buildings of the

ENEMY DEFENCES

8. No fighters were seen, but opposition was met from both heavy and guns in the Marignane area, co-operating with searchlights. little fl encountered over Dusseldorf.

C.SULTIES

9. No losses were sustained. 3 Lancasters were damaged by flak over Marignane.

MLM/JT.
BC/S. 26342/6/ORS4,
25th. May, 1944.

DUSSELDORF: MARIGNANE: SEURTS: - 9/1046 16231 3267

TARGET	GROUP	AIRCRAFT TYPE	SORTIES	✓C REPORTING		✓C REPORTING		MISS-ING	DAMAGE			INTERCEPTIONS		RESULTS		
				PREL. REL.	ALT. RES.	OVER E.T.	NOT OVER E.T.		FLK	FIGHTER	INC. IN FLIGHT	OTHER CAUSES	ATTACK-ED	NOT ATTACK-ED	H.B.	Inc.
DUSSELDORF	8 FFF	Mosq. IX	3	3	-	-	-	-	-	-	-	-	-	-	10.7	.2
		Mosq. IV	2	2	-	-	-	-	-	-	-	-	-	-	-	-
		Mosq. XVI	3	3	-	-	-	-	-	-	-	-	-	-	-	5x4,000lb.
DUSSELDORF TOTAL			8	8	-	-	-	-	-	-	-	-	-	-	-	-
MARIGNANE	5	Lanc. I	25	25	-	-	-	1+1,C	-	-	-	-	-	-	125.9	33.1
		Lanc. III	19	18	-	1	-	-	1	-	-	-	-	-	2x8,000	18x4,000
MARIGNANE TOTAL			44	43	-	1	-	2+1,C	-	-	-	-	-	-	-	-
BOVING TOTAL			52	51	-	1	-	-	-	-	-	-	-	-	-	-
SEURTS	100	Mosq.	2	2	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL			54	53	-	1	-	2+1,C	-	-	-	-	-	-	-	-

O. R. S. 3.

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BOMBER COMMAND REPORT ON NIGHT OPERATIONS

10/11th. MARCH, 1944.

Duisburg: St. Etienne: Clermont-Ferrand: Ossun: Chateauroux, etc.

ACT

Duisburg 29 Mosquitos (4 Mk.I, 2 PERMIEP, 1 BOURBON PER, 1 ALBUM and 21 non-OBOE) were despatched against Duisburg. 1 Mk.I, 1 PERMIEP and 1 ALBUM LRF made successfully controlled runs, and dropped T.I. All the OBOE aircraft, and all the unsuccessful OBOE aircraft except 1 Mk.I, attacked primary, mostly on the T.I., although a few bombed on I.F. No results could be observed through the cloud. No casualties were sustained.

St. Etienne 16 Lancasters of 5 Group attacked the needle-bearing factory at Ricamarie, near St. Etienne. Every building in the works except one was tried or damaged. All our aircraft returned safely.

Clermont-Ferrand 33 Lancasters of 5 Group were detailed to attack the main works at Clermont-Ferrand. The target suffered heavy damage. One Lancaster was lost.

Ossun 23 Lancasters of 5 Group delivered a successful attack against the Juillon factory airfield at Ossun, without loss.

Chateauroux 29 Lancasters of 5 Group, out of a force of 30, attacked a factory airfield at Chateauroux with similar success, and without loss.

Nat. Recon 1 Mosquito carried out a night reconnaissance flight.

Special Operations 93 Stirlings, Mustangs and Halifaxes made special sorties over the Continent. 75 were successful; 1 Stirling was lost.

WORLD WIDE

Midnight frontal positions:- Occlusion from 55 N. 23 E. - 50 N. 10 E. - east.

France:- Fit all night, apart from local smoke. Patchy strato-cumulus above 1,500', with some medium cloud. Moderate to poor visibility.

Germany:- Good clearances N. of the front. Low cloud and light rain in frontal zone; medium cloud and broken strato-cumulus will gradually disperse afterwards.

France:- Well broken low cloud N. of the front. Broken medium cloud S. of the front.

RESULTS

Duis. St.E. C-F. Oss. Chat.

No. of aircraft despatched.....	29	16	33	23	30
" " " reporting attack on prim. area.....	28	16	31	23	29
" " abortive sorties.....	1	C	1	C	1
" " aircraft missing.....	C	C	1	C	0

...../WEATHER EXPERIENCED

WEATHER EXPERIENCED

10. Bases:- Poor visibility in Liner. and the hills in the early of the night. Elsewhere, moderate visibility, with large but variable amount of strato-cumulus.

Route to French targets:- Much strato-cumulus (base 2,000', tops 4-5,000') to 48°N., where cloud broke to small amounts, apart from local patches of 8-10/10ths. Much medium cloud at 10-13,000', with cirrus above. Patchy ground haze. Moderate visibility.

Duisburg:- 10/10ths. strato-cumulus, tops 10,000'. Good visibility.

St. Etienne:- 8-10/10ths., base 2,500'; tops 6-8,000'.

Clermont-Ferrand:- 8-10/10ths., base 10-11,000', tops 13,000'.

Ossun:- Clear. Slight haze.

Chateauroux:- Clear. Slight haze.

The moon was full.

DAY RECONNAISSANCE

11. St. Etienne: The weight of the attack was shown to have fallen squarely on the target, rather E. of the exact centre. Every building except one in the factory was destroyed or damaged. The large multi-bay building was entirely flattened. 2 other works across the road were affected, one being completely wrecked; 9 direct hits were scored on the Route Nationale 88, and on the railway tracks N. of the target.

12. Clermont-Ferrand The factory suffered very heavily. 7 workshop bays were destroyed; 2 bays of the large workshop were destroyed and 2 others damaged; and the assembly shop, stores, works entrance, canteen, barracks and hutted camp were affected, most of them seriously.

13. Ossun The weight of the attack fell across the 2 larger factory buildings, causing great destruction. The third building had half its roof damaged; and a number of small buildings were destroyed. At least 4 small aircraft suffered from blast or fire; the water supply installations were badly hit; and the airfield was pitted with craters.

14. Chateauroux The airfield sustained 55 direct hits, apart from damage to the factory buildings of S.F.C. du Sud-Ouest. The machine shop, the transformer house, the drawing and costing offices, the flight hangar, the wood-working shop, a small 3-bay building, the paint-shop and another small building were all destroyed or severely damaged; and other installations had their roofs partially stripped or suffered from blast. Several aircraft were damaged by fire.

ENEMY DEFENCES

15. Little opposition was met. One combat was reported near Bourges, and flak was met at Clermont-Ferrand. The other factory targets were undefended, although flak was fired en route. Slight flak was encountered over Duisburg.

C.S. RESULTS

16. One Lancaster was shot down by light flak over Clermont-Ferrand. 2 other aircraft sustained slight flak damage.

MLM/ST.
BC/S. 26342/6/OFS4,
26th April, 1944.

www.bombing.com/airmail/sumarchives.ca

LEGION	GROUP	AIRCRAFT TYPE	SORTIES	LOG REPORTING				MISC- DNG	DAMAGE				DISTRIBUTION		RESULTS		
				PRIME MGR.	ALT. MGR.	UNCL. K. T.	UNCL. O.V.R.		FLAK	FIRE	RESC. IN FLIGHT	OTHER DAMAGES	ATTACK- ED	NOT ATTACK- ED	H. E.	Loss	
DULSBURG	B PFF	Mosq. IX	8	7	-	1	-	-	-	-	-	-	-	-	-	25.4	1.1
		Mosq. IX	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
		Mosq. IV	13	13	-	-	-	-	-	-	-	-	-	-	-	-	4th, 000lb
		Mosq. XVI	4	4	-	-	-	-	-	-	-	-	-	-	-	-	467
DULSBURG TOTAL			29	28	-	1	-	-	-	-	-	-	-	-	-	-	-
ST. STRONG	5	Lanc. I	13	13	-	-	-	-	1	-	-	-	-	-	-	57.1	12.7
		Lanc. III	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
ST. STRONG TOTAL			16	16	-	-	-	-	1	-	-	-	-	-	-	-	-
CLEMMENT-FERRAND	5	Lanc. I	7	7	-	-	-	-	-	-	-	-	-	-	-	117.1	3.5
		Lanc. III	26	24	-	-	1	1	1	-	-	-	-	-	1	21st, 000lb	
CLEMMENT-FERRAND TOTAL			33	31	-	-	1	1	1	-	-	-	-	1	-	-	-
OSBUN	5	Lanc. III	23	23	-	-	-	-	-	-	-	-	-	-	-	85.5	11.6
OSBUN TOTAL			23	23	-	-	-	-	-	-	-	-	-	-	-	2nd, 000lb	29th, 000lb
CHATELROUX	5	Lanc. I	10	10	-	-	-	-	-	-	-	-	-	-	-	118.5	31.0
		Lanc. III	20	19	-	-	1	-	-	-	-	-	-	-	-	29th, 000lb	
CHATELROUX TOTAL			30	29	-	-	1	-	-	-	-	-	-	-	-	-	-
NET. HESSE	8	Mosq.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL			132	128	-	1	2	1	2	-	-	-	-	-	1	-	-
SPECIAL OPERATION	3	Str.	72	-	-	-	-	1	-	-	-	-	-	-	-	-	-
		Hal.	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Hudson	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPECIAL OP. TOTAL			93	-	-	-	-	1	-	-	-	-	-	-	-	-	-
LE. FLATS	BUSCO	Fortress	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-

* NOT INCLUDED IN TOTAL

O.R.S. 3.

LE. FLATS AT: - BRUSSELS; JMWKSP; GENT; CH. J. LENOI;

www.bombercommandmuseumarchive.ca

BOMBER COMBINED REPORT ON NIGHT OPERATIONS

11/12th. MARCH, 1944.

Hamburg: Ruhr: Minclaving: etc.OPERATIONS

- Hamburg 20 non-OBOE Mosquitos were sent on a harassing raid against Hamburg. The target was clearly visible in total moonlight, and the bombing was well concentrated round the T.I. of the main aircraft, which fell in the docks. 2 aircraft attacked; all returned safely.
- Munchen-Gladbach 11 Mosquitos (2 OBOE, 3 PEWEEPER, 1 PEWEEPER and non-OBOE) were sent to Munchen-Gladbach. 3 PEWEEPER and 1 OBOE made successfully controlled runs; the other aircraft attacked on their T.I., or on D.R. All returned undamaged.
- Krefeld 2 FOURTEEN PEWEEPER and 3 PEWEEPER were detailed against the Erdinger wagen-works at Krefeld. Both FOURTEEN PEWEEPER and 1 PEWEEPER attacked on OBOE, the rest on D.R. All returned safely.
- Aachen 7 Mk.I Mosquitos were despatched to Aachen. 4 bombed on OBOE; 2 attacked the town on D.R.; and one bombed Gern, 20 miles S.E. of the primary. 2 casualties were sustained.
- Duisburg 4 Mk.I Mosquitos were sent against the Vereinigte Stahlwerke at Duisburg. One made a successfully controlled run; 2 attacked on D.R., and the fourth jettisoned its bomb 20 miles N. of Cologne. All returned safely.
- Minclaving 43 Stirlings and Halifaxes were sent to lay mines off the French Atlantic coast and the Frisians. 34 completed their task, laying 96 mines. One Stirling was lost, and 2 Halifaxes were badly damaged.
- Leaflets 20 Wellingtons and Whitleys, out of a force of 21, disseminated leaflets over Northern France. No casualties were sustained.
- Serrate 3 Mosquitos completed patrols without incident. One fourth returned early.
- Special Operations 10 Stirlings set out on special patrols, but only one was successful because of difficult weather. None was lost.

WEATHER FORECAST

C. Bases:- Fit all night, with broken strato-cumulus at 2,000', and moderate visibility.

Continent:- Generally covered with strato-cumulus. Breaks over Skaggerak, N. Germany, and locally over the Bay of Biscay. High winds over North Sea. Layers of medium cloud above the strato-cumulus over S. Germany and W. France.

...../SORTIES.

SORTIES

		<u>Bombing</u>	<u>Mining</u>
11.	No. of aircraft despatched.....	47	43
	" " " reporting attack on prim. area.....	44	34
	" " " " " alt. "	2	0
	" " abortive sorties.....	1	8
	" " aircraft missing.....	0	1
	" " mines laid.....		96

WEATHER EXPERIENCED

12. Base:- Fit during operational period. Much cloud. Moderate visibility.

Hamburg:- No cloud. Excellent visibility.

Ruhr:- Very variable thin cloud, 5-6,000', with good clear

W. France:- 6-10/10ths., base 1,500' (locally 600-1,000'). No. to poor visibility.

Frisians:- 10/10ths. at 400' in places; elsewhere, 4-7/10ths. at

Full moon.

EVENT DEFINITIONS

13. A few fighters were seen. A Me.110 attacked and damaged a mine-laying Halifax off Terschelling. Slight flak was met from German targets and Pr. towns on the Biscay coast, as well as from the usual points on the Frisians.

C. PLACES

14. Stirling of 3 Group, lost on the Girondo, is believed to have been downed by heavy flak near Lac Mourtin. Halifax was badly damaged by a Me. off Terschelling, and another was nearly wrecked in a landing accident. 3 Stirlings and 1 Mesquite sustained slight flak damage.

MM/JT.
BC/S. 26342/6/O.S4,
26th. May, 1944.

SORTIES

		<u>Bombing</u>	<u>Mining</u>
11.	No. of aircraft despatched.....	47	43
	" " " reporting attack on prim. area.....	44	34
	" " " " " alt. "	2	0
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MM/JT.
BC/S. 26342/6/O.S4,
26th. May, 1944.

TARGET	GROUP	AIRCRAFT TYPE	SORTIES	A/C REPORTING ATTACK ON		AIRCRAFT SORTIES		MIS-DCG	DAMAGE				INTERCEPTIONS		RESULTS		
				PRD. AREA	ALT. AREA	OVER E.T.	NOT OVER E.T.		FLAK	PERMITS	BRIT. INC. BOMBS	NOT DUE TO E/L	APLACK-ED	NOT APLACK-ED	HE.	Inc.	
HAMBURG	B PFF	Mosq. IV	2	2	-	-	-	-	-	-	-	-	-	-	-	15.6	4
		Mosq. IX	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
		Mosq. XI	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	B	Mosq. IV	12	12	-	-	-	-	1	-	-	-	-	-	-	-	469
		Mosq. IX	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
		Mosq. XVI	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
		Mosq. XI	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
HAMBURG TOTAL			20	19	-	-	1	-	1	-	-	-	-	-	-	-	
BRUNNEN-GL. BRACH	B PFF	Mosq. IX	5	5	-	-	-	-	-	-	-	-	-	-	-	11.8	4
		Mosq. XVI	1	1	-	-	-	-	-	-	-	-	-	-	-	4x,000lb.	
	B	Mosq. IV	5	5	-	-	-	-	-	-	-	-	-	-	-	-	
		Mosq. XVI	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
BRUNNEN-GL. BRACH TOTAL			11	11	-	-	-	-	-	-	-	-	-	-	-	-	
KREFELD	B	Mosq. IX	5	5	-	-	-	-	-	-	-	-	1	-	-	4.5	
LAACHEN	B	Mosq. IV	5	5	-	-	-	-	-	-	-	-	-	-	-	5.3	
		Mosq. IX	1	3	1	-	-	-	-	-	-	-	-	-	-	-	
LAACHEN TOTAL			7	6	1	-	-	-	-	-	-	-	-	-	-	-	
DUISBURG	B	Mosq. XVI	4	3	1	-	-	-	-	-	-	-	-	-	-	5.4	
DUISBURG TOTAL			4	3	1	-	-	-	-	-	-	-	-	-	-	3x,000lb.	
BOMBING TOTAL			47	44	2	-	1	-	1	-	-	-	1	-	-	-	
MINELAYING																	
GIRONDE	3	Str.	10	8	-	-	1	-	1	1	-	-	-	-	-	31 mines	
ELZONNE		Str.	6	6	-	-	-	-	-	-	-	-	-	-	-	18 mines	
ST. JEAN de LUZ		Str.	3	3	-	-	-	-	2	-	-	-	-	-	-	9 mines	
ST. NAZAIRE	6	Hal.	8	7	-	-	1	-	-	-	-	-	-	-	-	14 mines	
LORENTZ		Hal.	6	4	-	-	2	-	-	-	-	-	-	-	-	8 mines	
BREST		Hal.	6	4	-	-	2	-	-	-	-	-	1B	-	-	8 mines	
PHILOS		Hal.	4	2	-	-	2	-	-	1B	-	-	1	-	-	8 mines	
MINELAYING TOTAL			43	34	-	-	4	1	1	3	1B	-	1B	1	-	96 mines	

HAMBURG: BRUNNEN-GL. BRACH: KREFELD: LAACHEN: DUISBURG: MINELAYING: BOMBING: SPECIAL OPS.
11/12th. MARCH, 1944.

TARGET	GROUP	AIRCRAFT TYPE	SORTIES	A/C REPORTING ATTACK ON		AIRCRAFT SORTIES		MIS-DCG	DAMAGE				INTERCEPTIONS		RESULTS	
				PRD. AREA	ALT. AREA	OVER E.T.	NOT OVER E.T.		FLAK	PERMITS	BRIT. INC. BOMBS	NOT DUE TO E/L	APLACK-ED	NOT APLACK-ED	HE.	Inc.
BOMBING & MINELAYING TOTAL			90	78	2	4	5	1	4	1B	-	1+1B	1	-	-	-
LE FLINZ	91	Well. III	1	1	-	-	-	-	-	-	-	-	-	-	-	-
		Well. X	2	2	-	-	-	-	-	-	-	-	-	-	-	-
		Whit.	7	7	-	-	-	-	-	-	-	-	-	-	-	-
	92	Well. X	5	5	-	-	-	-	-	-	-	-	-	-	-	-
		Well. Ia	2	1	-	-	1	-	-	-	-	-	-	-	-	-
		Well. III	4	4	-	-	-	-	-	-	-	-	-	-	-	
LE FLINZ TOTAL			21	20	-	-	1	-	-	-	-	-	-	-	-	
SERRUO	100	Posq.	4	3	-	-	1	-	-	-	-	-	-	-	-	
TOTAL			115	101	2	4	7	1	4	1B	-	1+1B	1	-	-	
(SERRUO)	5	Str.	10	-	-	-	-	-	-	-	-	-	-	-	-	
(SERRUO)		Well.	2	-	-	-	-	-	-	-	-	-	-	-	-	
(SERRUO) TOTAL			12	-	-	-	-	-	-	-	-	-	-	-	-	

O.S.S. J.

NOT INCLUDED IN TOTAL.

BOMBER COMMAND REPORT ON NIGHT OPERATIONS

12/13th. MARCH, 1944.

Lachen: Duisburg:

OPERARY

1. Lachen 11 Mk.I Mosquitos were sent to attack the Hauptbahnhof and Westbahnhof railway stations at Lachen. 5 made successfully controlled runs against the former target, and 1 against the latter; the other 5 aircraft bombed the built-up area on D.R. All returned safely.
2. Duisburg 3 Mk.I Mosquitos raided the Vereinigte Stahlwerke at Duisburg. All made successfully controlled runs, and returned safely.

WEATHER FORECAST

5. Fronts:- A frontal system will cross the British Isles during the evening, and may cause difficulties for an early take-off in southern Groups; but by midnight, it should have passed S. of London, lying from there to Amsterdam and Copenhagen.

Bases:- Slightly broken strato-cumulus. Moderate visibility.

Germany:- Medium cloud will extend ahead of the front, becoming well broken beyond 08°E., but with much strato-cumulus below; base 1,000-1,500', except in rain.

France:- Layered medium cloud. Much strato-cumulus.

STATISTICS

4.	No. of aircraft despatched.....	14
	" " " reporting attack on primary target.....	14
	" " " missing.....	0

WEATHER EX-GRANDO

5. Ruhr:- 10/10ths. strato-cumulus and medium cloud, tops 15-20,000'.

ENEMY DEFENCES

6. Accurate flak was met from both targets, especially Duisburg. No fighters were seen.

CASUALTIES

7. No aircraft was lost. 2 Mosquitos were badly damaged by flak, one over Lachen and the other over Duisburg.

HM/JT.
EC/S.26342/6/ORS4,
26th. May, 1944.

12/13th. HIGH, 1944.

TARGET	GROUP	AIRCRAFT TYPE	MOMENTS	A/C REPORTING TRACK ON		A/C REPORTING SOUNDS		MISSING	DAMAGE				DEFLECTIONS		RESULTS	
				PRIM. REA.	ALT. REA.	OVER R. T.	OVER OVEA R. T.		FLAME	FRONT	MISC. IN FLIGHT	OTHER CHANGES	TRACKED	NOT TRACKED		
LONDON	B	Honq. IV	6	6	-	-	-	-	1.0	-	-	-	-	-	-	9.9
		Honq. IX	4	4	-	-	-	-	-	-	-	-	-	-	-	
		Honq. XVI	1	1	-	-	-	-	-	-	-	-	-	-	-	
LONDON TOTAL			11	11	-	-	-	-	1.0	-	-	-	-	-	-	
BRISBANE	B	Honq. XVI	3	3	-	-	-	-	1B	-	-	-	-	-	-	5.4 3rd, 0001B
TOTAL			14	14	-	-	-	-	1.0+ 1B	-	-	-	-	-	-	

O. R. S. &

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BOHEMIA CORPUS REPORT ON THE OPERATIONS

13/14th. MARCH, 1944.

LE HANS: Frankfurt; Ruhr; Lincolnton; etc.

LE HANS

The marshalling yards at Le Mans were successfully attacked for the second time within a week. 2 concentrated raids were delivered, with an interval of 15 minutes. Heavy damage was added to that already caused. 1 of the 222 aircraft taking part was lost.

Mosquitoes carried out harassing attacks and precision raids against targets at Frankfurt and in the Ruhr, while other aircraft laid mines off the French coast, attacked enemy airfields and scattered leaflets. 1 mine-layer and 1 fighter were lost; and 4 other aircraft were destroyed in accidents.

WEATHER FORECAST

Fronts:- A cold front will move slowly southwards, reaching at midnight line 46 N. 10 W. - Linoges - S. of Dijon - N. Alps - Vienna.

Basics:- Fit all night, apart from wintry showers on East coast.

Germany:- Heavy convection cloud will tower to 20,000' or above over the North Sea, extending well into Germany. Clearances in Upper Rhine.

France:- Well broken convection cloud, but much medium and strato-cumulus in southern frontal area. Le Mans: 3-4/10ths., below 10,000'. East coast: well broken cumulus and strato-cumulus, average 5/10ths., base 1,500', tops 6-8,000'.

LE HANS

LE HANS ATTACK

Route Selsey Bill - 43 15 N. 00 40 W. - TARGET - 47 47 N. 00 25 E. - 3 02 N. 00 48 E. - 49 18 N. 00 08 W. - Selsey Bill.

Method of attack 6 OBOE Mosquitoes (3 on Channel 1 and 3 on Channel 3), were to mark the aiming points with red T.I., making 2 or 3 runs if necessary. Main force aircraft, attacking in 3 waves, were to aim at reds.

Timing Zero hour: 0005

N. aiming-point

E. aiming-point

Duration of attack: 0004-0035.	-	0040-0059
6 Mosq. at zero - 1	-	at zero + 35
zero	-	zero + 36
zero + 11	-	zero + 47
zero + 12	-	zero + 48
zero + 23	-	
zero + 24	-	
74 Hals. from zero to zero + 6		76 Hals. from zero+36 to zero+42
75 Hals. from zero + 12 to zero + 18		Reserve period: zero+48 to zero+54
Reserve period: zero + 24 to zero + 30		

(Aircraft failing to bomb in their correct waves were to attack in the reserve periods, or not at all.)

...../7. Tactics.

7. Tactics Aircraft were to bomb from 10-14,000' or lower if there cloud; but not lower than 8,000'. Main force aircraft were to drop one lb of WHDM per minute within 30 miles of the target; and Mosquitos, 24 bombs in the target area.

SORTIES

8.	No. of aircraft despatched.....	222	2.
	" " " reporting attack on primary area.....	208	attack
	" " abortive sorties.....	13	
	" " aircraft missing.....	1	

WEATHER EXPERIENCED

9. B sea- Variable cirulus and strato-cirulus, decreasing towards night. Showers in East Anglia.

Route and target:- Cl of obs. Good visibility. Half moon rose about zero + 30. Winds: at 10,000', 320°/60 m.p.h. - at 28,000', 320°/12 Surface wind: F.N.W. 30 m.p.h.

NIGHT PHOTOGRAPHIC STATISTICS

10.	No. of aircraft plotted within 1/2 mile of A/P (ground detail).....	7	
	" " " " " outside 1/2 mile of A/P (" ").....	24	24.
	" " " " " estimated to have bombed within 1/2 mile of A/P.....	7	7.

NARRATIVE OF ATTACK

11. 7 of the 9 Mosquitos made well controlled runs. The marking and bombing were accurate in both attacks, especially the second, and 2 large fires were burning.

DAY RECONNAISSANCE

12. Both yards were heavily hit, especially the northern and central part of the target. Both the large and small engine sheds, 3 carriage and wagon repair shops, the paint shops and locomotive repair shops were all badly damaged. 50 craters were opened on the airfield, and buildings of the Gnome et Rhone aero-engine works, the Junkers repair plant and the Renault traction factory also affected.

EVENTS DURING

13. A little flak was met over the target, but no searchlights exposed. Fighters were not sighted until our bombers had left the target, when 2 contacts took place.

CASUALTIES

14. One aircraft was shot down by flak over the target. 3 aircraft were damaged in landing and taxiing accidents, 2 beyond repair.

FRANKFURT

15. 26 non-OBOE Mosquitos, including 3 H2S aircraft, were sent on a harassment raid against Frankfurt. 2 Y-aircraft were successful, and dropped their marks in close proximity. All but one of the aircraft attacked, and a good concentration of bombing was achieved. All returned undamaged.

DUSSELDORF

16. 2 Mk.I Mosquitos were sent to Disseldorf; but both had OBOE failure and bombed on D.R.

...../OBERHAUSEN.

OPERATIONS

18. 4 ALBUM LRP Mosquitoes were sent against Gutcheffnungshutte A.G. at
Krausen. All made successfully controlled runs.

ESSE:

19. 1 PENWIPER and 1 ALBUM LRP were detailed against Krupp; the latter
attacked on OEOB and the former on D.R.

LAGEN

19. 5 Mosquitoes (1 Mk.I, 2 PENWIPER and 2 PENWIPER) were despatched to
Lachen. The Mk.I aircraft and 1 PENWIPER attacked on OEOB, the rest on D.R.

MINE-LAYING

20. 35 Stirlings and Halifaxes were sent to lay mines off the French Channel
and Atlantic ports. 25 completed their mission, laying 106 mines. 1 Stirling
did not return from St. Nazaire, where it is believed to have been shot down by a
fighter; and another was wrecked in a landing accident.

LEAFLETS

21. 20 Whitleys and Wellingtons, out of a force of 21, scattered leaflets over
N. France. None was lost, but one was destroyed in a landing accident.

FIGHTER OPERATIONS

22. 4 Mosquitoes of 100 Group carried out SERRATE patrols, without making any
interceptions. 4 others, out of a force of 9 despatched by 2 Group attacked
airfields at St. Dizier, Laon and Juvin-court. 1 Mosquito of 2 Group was lost.

SINGLE OPERATIONS

23. 23 aircraft took off on special sorties; 9 were successful. None was
lost.

MEM/ST.
EC/S. 26342/1/ORS4,
30th. May, 1944.

TARGET	GROUP	AIRCRAFT TYPE	SORTIES	A/C REPORTING ATTACK ON		ABORTIVE SORTIES		MISS-ING	DAMAGE				INTERCEPTIONS		RESULTS
				PRIM. AREA	ALT. AREA	OVER E.T.	NOT OVER E.T.		FLAK	FIGHTER	BRIT. INC. BOMBS	NOT DUE TO R/A	ATTACK-ED	NOT ATTACK-ED	
LE HANE	8PPF	Mosq. IV	2	1	-	1*	-	-	-	-	-	-	-	-	962.3 2.
		Mosq. IX	4	-	-	4*	-	-	-	-	-	-	-	-	
		Mosq. XVI	3	-	-	1*	-	-	-	-	-	-	-	-	
	4	Hal. III	21	21	-	-	-	-	-	-	-	-	-	-	
	5	Hal. III	82	80	-	-	1	1	-	1	-	1E	-	3	
		56	54	-	-	2	-	-	-	-	1E	-	1		
		54	50	-	-	4	-	-	-	-	1.4E	-	4		
LE HANE TOTAL			222	208	-	6*	7	1	-	1	-	1.4E+2E	1	8	
FRANKFURT	8PPF	Mosq. IV	2	2	-	-	-	-	-	-	-	-	-	-	26.1 504,000 474
		Mosq. IX	1	1	-	-	-	-	-	-	-	-	-	-	
		8	Mosq. IV	15	15	-	-	-	-	-	-	-	-	-	
		Mosq. IX	2	2	-	-	-	-	-	-	-	-	-		
		Mosq. XVI	5	4	-	1	-	-	-	-	-	-	-		
		1	1	-	-	-	-	-	-	-	-	-	-		
FRANKFURT TOTAL			26	25	-	1	-	-	-	-	-	-	-	-	
DUESSELDORF	8	Mosq. IV	1	1	-	-	-	-	-	-	-	-	-	-	1.8
		Mosq. IX	1	1	-	-	-	-	-	-	-	-	-	-	
DUESSELDORF TOTAL			2	2	-	-	-	-	-	-	-	-	-	-	
OBERHAUSEN	8	Mosq. IX	3	3	-	-	-	-	-	-	-	-	-	-	3.6
		Mosq. XVI	1	1	-	-	-	-	-	-	-	-	-	-	
OBERHAUSEN TOTAL			4	4	-	-	-	-	-	-	-	-	-	-	
ESSEN	8	Mosq. IX	1	1	-	-	-	-	-	-	-	-	-	-	1.8
		Mosq. XVI	1	1	-	-	-	-	-	-	-	-	-	-	
ESSEN TOTAL			2	2	-	-	-	-	-	-	-	-	-	-	
AACHEN	8	Mosq. IX	5	5	-	-	-	-	-	-	-	-	-	-	3.3 +2
BOMBING TOTAL			261	246	-	1+6*	7	1	-	1	-	1.4E+2E	1	8	

LE HANE: FRANKFURT: DUESSELDORF: OBERHAUSEN: ESSEN: AACHEN: MINDELAYNG: LEAPLETS: SEBRATE: - 13/14th. MARCH, 1944. (Contd.)

TARGET	GROUP	AIRCRAFT TYPE	SORTIES	A/C REPORTING ATTACK ON		ABORTIVE SORTIES		MISS-ING	DAMAGE				INTERCEPTIONS		RESULTS
				PRIM. AREA	ALT. AREA	OVER E.T.	NOT OVER E.T.		FLAK	FIGHTER	BRIT. INC. BOMBS	NOT DUE TO R/A	ATTACK-ED	NOT ATTACK-ED	
BOMBING TOTAL			261	246	-	1+6*	7	-	-	1	-	1.4E+2E	1	8	
MINDELAYNG			55	25	-	-	9	1	1.4E	-	-	1E	-	-	108 mines
ST. MALO	3	Str. 2	2	-	-	-	-	-	-	-	-	-	-	-	12 mines
NOELAIX		Str. 1	1	-	-	-	1	-	-	-	-	-	-	-	-
CHERBOURG		Str. 2	2	-	-	-	-	-	-	-	-	-	-	-	12 mines
LE HAVRE		Str. 2	2	-	-	-	-	-	-	-	-	-	-	-	12 mines
BREST		Str. 4	3	-	-	-	1	-	-	-	-	1E	-	-	14 mines
LORIENT		Str. 4	4	-	-	-	-	-	-	-	-	-	-	-	16 mines
ST. MALOINE	Str. 4	3	-	-	-	-	1	-	-	-	-	-	-	12 mines	
LA PALICE	Str. 6	6	-	-	-	-	-	-	-	-	-	-	-	24 mines	
CARENTAN	4	Hal. 10	3	-	-	-	7	-	1.4E	-	-	-	-	6 mines	
MINDELAYNG TOTAL			55	25	-	-	9	1	1.4E	-	-	1E	-	-	108 mines
BOMBING & MINDELAYNG TOTAL			296	271	-	1+6*	16	2	1.4E	1	-	1.4E+3E	1	8	
LEAPLETS	91	Whit. 7	6	-	-	-	1	-	-	-	-	-	-	-	
	92	Well. X 8	8	-	-	-	-	-	-	-	1E	-	-	-	
	93	Well. X 6	6	-	-	-	-	-	1	-	-	-	-	-	
LEAPLET TOTAL			21	20	-	-	1	-	1	-	1E	-	-	-	
SEBRATE	100	Mosq. 4	4	-	-	-	-	-	-	-	-	-	-	-	
TOTAL			321	295	-	1+6*	17	2	1+1.4E	1	-	1.4E+4E	1	8	
SPECIAL OPERATIONS			19	-	-	-	-	-	-	-	-	-	-	-	-
SPECIAL OPERATIONS TOTAL			23	-	-	-	-	-	-	-	-	-	-	-	-
LEAPLETS	2	Mosq. 9	-	-	-	-	-	-	-	-	-	-	-	-	
LEAPLETS	8100	Portress 7	-	-	-	-	-	-	-	-	-	-	-	-	

* Reserve a/c not required.

^ Not included in Total.

O.R. 3.

LEAPLETS AT:- ANGERN: LAVAL: LE HANE: TOURS: ALGERIAN: LISBON: ROSSON: MONTREAL: ST. MALO: CHERBOURG: CARENTAN: SEBRATE: ...

RAID TRACK AND BOMB PLOT NOT AVAILABLE

BOMBER COMBINED REPORT ON NIGHT OPERATIONS

14/15th. MARCH, 1944.

Dusseldorf: Met. Recce: Special Ops:

ROLLY

Dusseldorf . 30 Mosquitos (3 Mk.I, 2 ALBU LERF, 2 H2S BARREL-SCHNUR and 23 non-OBCE) were despatched against Dusseldorf. 1 ALBU LERF made a controlled run, and it and the 2 H2S aircraft dropped T.I. All but 2 of the other aircraft attacked the primary, either on the T.I. or on D.R. All returned safely.

Met. Recce 1 Mosquito completed a met. recce flight without incident.

Special operations 5 aircraft were detailed on special sorties. 4 were successful; none was lost.

WEATHER FORECAST

Winds:- A frontal system will move south-eastwards across the British Isles from N. Ireland, causing thick medium and low cloud and rain S.W. of a line passing - St. Bees Head. P.E. of this line, there will be broken strato-cumulus at 500', with thinning medium cloud. Conditions will slowly improve.

Germany:- Much cloud in W. Good clearances E. of 10°E.

France:- Thick medium cloud, with low cloud and rain.

<u>SORTIES</u>		<u>Leaving</u>	<u>Met. Spec.</u>	
			<u>Recce.</u>	<u>Ops.</u>
5.	No. of aircraft despatched.....	30	1	5
"	" " " reporting attack on primary area.....	28	1	4
"	" " abortive sorties.....	2	0	1
"	" " aircraft missing.....	0	0	0

WEATHER EXPERIENCED

6. Dusseldorf:- 6-9/10ths. thin cloud, tops 8-12,000'. Good visibility.

ENEMY DEFENCES

7. Slight predicted flak was met over Dusseldorf. An attempt was made to fire a barrage. No fighters were seen.

CASUALTIES

8. No aircraft was lost. 2 Mosquitos were slightly damaged by flak over Dusseldorf.

MM/TT.
BO/L. 26342/6/0854,
26th. May, 1944.

TARGET	GROUP	AIRCRAFT TYPE	SQUADS	W/C REPORTING ATTACK ON				DAMAGE		DIRECTION				RESULTS	
				POSITIVE		NEGATIVE		MISC-ING	FLAK	FIGHTER	MISC. IN FLIGHT	OTHER CASUALTIES	BLACK-ED	NOT COLLECTED	HE. Inc.
				INFL. ARE.	DET. LOC.	OVER S.T.	NOT OVER S.T.								
DUSSELDORF	B	Mosq. IX	5	5	-	-	-	1	-	-	-	-	-	29.0	3
		Mosq. IV	1	1	-	-	-	1	-	-	-	-	-		
		Mosq. XVI	1	-	-	1	-	-	-	-	-	-	-		
	N.F.	Mosq. IX	2	2	-	-	-	-	-	-	-	-	-	64,000	4
		Mosq. IV	14	14	-	-	-	-	-	-	-	-	-		
		Mosq. XVI	5	5	-	-	-	-	-	-	-	-	-		
		Mosq. XI	2	1	-	-	1	-	-	-	-	-			
DUSSELDORF TOTAL			30	28	-	-	1	1	-	2	-	-	-		
NET. LOSS.	B	10sq.	1	1	-	-	-	-	-	-	-	-	-		
TOTAL			31	29	-	-	1	1	-	2	-	-	-		
SPEC. LOSS	100	Mosq.	2	-	-	-	-	-	-	-	-	-	-		
SPEC. LOSS	3	Hal.	3	-	-	-	-	-	-	-	-	-	-		
SPEC. LOSS TOTAL			5	-	-	-	-	-	-	-	-	-	-		

O. S. S. S.

* NOT INCLUDED IN TOTAL.

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BOMBER COMMAND REPORT ON NIGHT OPERATIONS

15/16th. MARCH, 1944.

STUTTGART: AIXENS: Woippy: Munich: Ruhr: Airfields: Minelaying: etc.FLY

863 aircraft were sent to Stuttgart, but delivered a rather scattered attack, spread outside the town. Useful industrial damage was however caused in suburbs and outlying villages. Fighters were extremely active, and 36 bombers were lost. 11 fighters were destroyed.

The marshalling yards at Axiens were the target for a force of 140 aircraft, mostly Stirlings and Halifaxes. The attack opened well, with accurate ground-attack by Mosquitos, but most of the later Pathfinder's had CBE trouble and the subsequent bombing was less concentrated. The yards were heavily damaged, however. 10 aircraft were lost.

Mosquitos carried out a diversionary raid on Munich, and precision attacks against targets in the Ruhr and airfields in the Low Countries. Lancasters went on a zero-engine factory at Woippy, but found the target cloud-covered and abandoned their task. Other aircraft were employed on sea-mining and leaflet operations, while Mosquitos patrolled enemy airfields. One fighter did not return.

WEATHER FORECAST

Midnight frontal positions:- Wave from St. Abbs Head to Holyhead.

Bases:- Fit all night; visibility above 1 mile except locally. Little cloud in S., much medium and some low cloud in N. Safe diversions until 0300 in training Groups and S. coast.

Germany:- N. plain: 6-8/10ths. strato-cumulus, with large clearances. Very clear areas in S. Germany and Middle Rhine. E. of 14°E: convection cloud, tops probably not above 15,000'. Stuttgart: good chance of less than 4/10ths. strato-cumulus, tops below 8,000'.

France:- Fine, with moderate visibility. Thin layers of cloud in N.W. Axiens: no cloud.

SUMMARYPLAN OF ATTACK

Route See route map.

Method of Attack The attack was planned as a NEWLIVEN with emergency marking. It was to be opened by Blind Marker Illuminators with green T.I. and white flares (the first bundle to be released with the T.I. and the rest at 10-second intervals). If there was more than 7/10ths. cloud, they were also to drop R/P flares (green with red stars). If their H2S was u/s., they were to retain all their markers, and act as Supporters. Visual markers were to mark the target aiming-point with mixed salvos of red and green T.I., after definite visual identification; if this was impossible, they were to hold their T.I. and bomb on H2S, or at the centre of green T.I., or at release-point flares. Blind backers-up were to aim bombs only at the centre of all T.I., if they attacked before zero + 9 and a NEWLIVEN was in progress. If not, they were to drop R/P flares blindly. If they bombed after zero + 9, they were to drop reds and R/P flares blindly.

...../In either case, if their

In either case, if their H2S was u/s., they were to hold their markers and act as Supporters. Visual backers-up were to keep the aiming-point marked with red flares at the centre of all mixed salvos, or at the centre of all T.I. But if T.I. were visible, they were to drop bombs blindly. The Supporters were to drop bombs blindly or, if their special equipment was u/s, visually, on a good D.R., or at the centre of all T.I. or R/P flares on a heading of 010°. Main force aircraft arriving early in the attack were to aim at the large mixed salvos; but if these were not visible, at the centre of reds, overshooting by 2 seconds. If clouds obscured the T.I. they were to aim at the centre of R/P flares on a heading of 010°. They were not to drop incendiaries before zero hour.

7. Timing Zero hour: 2310 Duration of attack: 23-5-2328

Blind marker illuminators.	18 @ zero - 5
Visual markers.	6 @ zero - 5
Blind backers-up.	22 @ zero - 2 to zero + 17
Visual backers-up.	24 @ zero to zero + 17
Supporters.	76 @ zero - 5
Main Force.	173 @ zero to zero - 5
	170 @ zero + 4 to zero + 9
	169 @ zero + 8 to zero + 13
	190 @ zero + 13 to zero + 18
	13 B.C. aircraft throughout the attack

8. Diversions, etc. 1 Mosquito was to drop green T.I. as spoof route marker 18 miles/259° from Munich, and then attack Munich with bombs and T.I. A minute later, 9 other Mosquitoes were to follow up with more T.I. on the city. All aircraft were to drop WBDOW from 0800. 9 Mosquitoes were to attack Stuttgart at zero - 10; and 7 more between zero + 40 and zero + 60. The main force was to drop WBDOW at the rate of 2 bundles per minute within 30 miles of the target and one per minute for the rest of the trip.

SORTIES

9. No. of aircraft despatched.....	863
" " " reporting attack on primary area.....	778
" " " " " alternative area.....	5
" " abortive sorties.....	44
" " aircraft missing.....	36

WEATHER EXPERIENCED

10. Bases:- Fine S. of Lines. early in the night, but cloud based at 1,500', 2,000' spread over operational areas. Mist and fog developed locally towards end of the operational period, becoming more extensive later.

Route:- Variable amounts of strato-cumulus, tops 5-7,000', mainly 5-10,000'. Moderate to poor visibility below cloud. Patches of upper cloud at 12,000' to 22-25,000'. Static was reported in the latter.

Target:- Cloud increased to 7-10/10ths., tops 5-7,000'. Moderate to poor visibility. No moon. Winds at 25,000': 330°/45 m.p.h., becoming 350° over Stuttgart.

NIGHT PHOTOGRAPHIC SURVEILLANCE

11. No. of aircraft plotted in target area..... 0
 " " " plotted off target area (ground detail....109)....223
 (fire-tracks.....114)

There is no evidence, from night photographs, that any aircraft bombed the target area, or within 3 miles of the aiming-point.

...../NARRATIVE OF ...T.C.

RESULTS OF ATTACK

The marking was poor, in both timing and spacing. The main reason for this was that the winds were more unfavourable than had been forecast, and that the extra 5 minutes which crews had been instructed to allow proved insufficient. The first marker went down at zero - 1 instead of zero - 5, and most crews were going from 3 to 15 minutes late. Many T.I. were aimed at one which an early marker is believed to have dropped on a decoy, although there is no evidence to show where this concentration occurred. The attack was scattered over a large area, mostly to the S.W. of the target.

INDUSTRIAL DAMAGE

Photographic cover was not obtained until 25th. March, by which time aircraft of the R.C.A.F. had delivered a daylight attack on the Vereinigte Kugellager Fabrik at Stuttgart. Some of the damage revealed must, therefore, be attributed to the night operation. The weight of the attack under review evidently fell outside the town, although a certain amount of destruction was caused in no less than 14 villages and suburban districts. This includes useful industrial damage to the Mercedes-Benz works at Unterturkheim and the Kofler factory at Wengen, and the partial destruction of the large railway viaduct carrying the Bad Cannstadt-Kornwestheim goods lines across the river Neckar. A direct hit brought down the steel girder of one span between piers 200' apart, thus necessitating a diversion of traffic from the direct line. 3 hits were also scored on the Autobahn 6 miles S.W. of the town. A few incidents occurred in Stuttgart itself.

ENEMY DEFENCES

Ground defences The heavy guns of Stuttgart fired a loose barrage of fire of moderate intensity, to 17-22,000'. A little predicted unseen fire was encountered on the run in; and concentrations were placed at the marker flares. There was little light flak, and practically no searchlight activity. The route was free of trouble except at Bebeville and Lunenburg. 9 aircraft were seen shot down by flak; 5 on the outward journey at Bebeville, Chartres, Chaumont, Epinal and Freiburg; 3 over the target; and one at Strasbourg on the way home.

Fighters Fighters were very active. The southerly route, crossing the German frontier near the Swiss border, was again followed, but for the first time since this route came into regular use, the enemy succeeded in intercepting our bomber stream before the target was reached. He split his fighters into 2 forces, one concentrated near Metz for the purpose of harassing our aircraft en route, while the other was assembled in the north and brought southwards to the target area. The former force provided stiff opposition from the time our aircraft reached Epinal, resulting in 24 combats and 10 losses between this point and the target. (One loss had previously occurred over the Channel.) Fighters from the second force were present in large numbers over Stuttgart, where they made 23 attacks, and destroyed 2 bombers. 2 further losses were caused by free-lance fighters before Strasbourg was reached; and 2 more by J.G.I. patrols in the Rennes area. Altogether, therefore, 17 aircraft are known to have been shot down by fighters, while 25 returning bombers reported damage from the same cause. Neither the attack on Amiens nor the diversion at Munich distracted the fighters to any considerable degree. 6 enemy aircraft were shot down in combat - 3 Ju.88's, 1 Lancaster of 5 Group, and a Ju.88, a He.100 and a FW.190 by Halifaxes of 4 Group. Another FW.190 was destroyed in a collision with a Lancaster.

RESULTS

No. of aircraft missing.....	36 (4.2%)
" " " damaged (flak.....)	12
" " " (fighter.....)	25
" " " (British incendiaries.....)	14
" " " (other causes.....)	12
	63

As stated in the last 2 paragraphs, 9 losses are known to have been due to flak and 17 to fighters. 2 were probably destroyed in a collision over the Channel; while the crew of another are known to have baled out near Beauvais.

...../It is not known

It is not known whether the last-named loss was due to enemy action. In addition to the 36 losses, 6 aircraft were wrecked beyond repair: 2 in a collision near base, 3 in landing accidents, and one in a ditching. 5 other aircraft sustained very severe damage, 4 from fighters and one from British incendiaries.

ANNEX

PLAN OF ATTACK

17. Route See route map.
18. Method of attack 2 OBOM Mosquitos on Channel 1 and 2 on Channel 2 reserves on each Channel, were to mark the aiming-points with red T.I. The force, attacking in 2 waves with a reserve period, were to aim at the T.I.

19. Timing Zero hour: 2100

<u>S.W. aiming-point</u>	<u>E.E. aiming-point</u>
--------------------------	--------------------------

Duration of attack: 2059-2106 and 2123-2130	2111-2118
--	-----------

1 Mosq. at Z+1, and again at Z+23 1 Mosq. at Z and again at Z+24	1 Mosq. at Z+11 1 Mosq. at Z+12
---	------------------------------------

Main force: 78 a/c from zero to zero + 6
54 " " zero + 12 to zero + 18

Reserve period: zero + 24 to zero + 30

20. Tactics Aircraft failing to bomb in either of the first or second wave were to attack in the reserve period. If no markers were visible, they were to bring their bombs back. Height of bombing: 12-15,000', or 8,000' if there was a cloud. Mosquitos were to drop 24 bundles of WBSLOW in the target area; other aircraft 2 bundles per minute within 30 miles of the target, and one per minute for the rest of the journey.

SORTIES

- | | |
|---|-----|
| 21. No. of aircraft despatched..... | 140 |
| " " " reporting attack on primary area..... | 123 |
| " " abortive sorties..... | 14 |
| " " aircraft missing..... | 3 |

WEATHER EXPERIENCED

22. Summary:- 7-8/10ths. strato-cumulus at 6,000' in target area, but on 2-3/10ths. over actual target. Thick haze. No moon.

NIGHT PHOTOGRAPHIC STATISTICS

- | | | |
|-----|---|----|
| 23. | No. of aircraft plotted within ½ mile of A/P (ground detail.....) | 22 |
| | (fire-tracks.....) | 18 |
| | " " " " outside ½ mile of A/P (ground detail.....) | 32 |
| | (fire-tracks.....) | 9 |
| | " " " estimated to have bombed within ½ mile of A/P..... | |
| | (" " " reporting attack.....) | |

NARRATIVE OF ATTACK

24. In the first attack, on the S.W. aiming-point, both Mosquitos dropped accurately within 300 yards of the aiming-point, rather to the N. and W. The bombing here was well concentrated, but on the E.E. aiming-point both Mosquitos both their reserves failed, and many aircraft bombed small fires raised by str. bombs from the earlier attack. Only 1 Mosquito dropped T.I. in the second wave on the S.W. aiming-point, and the bombing was scattered round there. Crews were

...../enthusiastic th

enthusiastic than usual about the concentration achieved.

RECONSTRUCTION

Photographs obtained on the following morning showed heavy damage to the target. In the southern area, a large concentration of craters was spread over the reception and sorting sidings, with many direct hits on tracks, which piled a great deal of rolling stock. Two engine roundhouses, a locomotive and several small buildings in this area were severely affected. In the northern area, also, many hits were scored on tracks and rolling stock, as well as on the roadbridge over the yards; and severe damage was caused to two railway workshops - one being almost completely destroyed - and a storage building.

DEFENCES

The fighter controllers plotted our aircraft flying to the target, but took no apparent action to intercept them, and no combats were reported. Little opposition was met in the target area, where a few guns fired heavy flak, but the defences of the Hesdin-St. Pol-Bbeville-Doullens area were very active, heavy anti-aircraft co-operating with large numbers of searchlights.

STATISTICS

No. of aircraft missing.....	3 (2,1,1)
" " " damaged (flock.....)	3
" " " " (fighter.....)	0
" " " " (non-enemy action.....)	4
	7

All 3 of the missing aircraft are thought to have been shot down by "sec". One Halifax was wrecked by the explosion of one of its own bombs while taxiing - the blast damaged another aircraft flying overhead - and a third was destroyed in a collision with a Wellington over England. Another Halifax was badly damaged in a landing accident.

VOIPPY

22 Lancasters of 5 Group were sent to attack the aero-engine factory at Voippy (near Metz); but the target was covered with 10/10ths. cloud, and the operation was abandoned. All the aircraft returned safely, although 2 were attacked by fighters.

MUNICH

10 Mosquitos were sent on a diversionary raid against Munich, as laid down in paragraph 8 above. 9 reached the primary, and attacked it with bombs and incendiaries. No casualties were sustained.

DUSSELDORF

2 Mk.I Mosquitos attacked Dusseldorf one on OBOE, and one on D.R. From 10/10ths, and all other Mosquito attacks on this night, all aircraft returned undamaged.

BOCHUM

2 ALBUM LEAF Mosquitos attacked Bochum on OBOE.

DORTMUND

2 ALBUM LEAF Mosquitos attacked Dortmund on OBOE.

DUISBURG

1 Mk.I Mosquito, attacking on OBOE, dropped a 4,000lb. bomb on the Vereinigte Stahlwerke at Duisburg.

...../ST. TROND.

ST. TROUD

34. 3 FOUNTAIN PEN Mosquitos attacked St. Troud airfield on OBOE.

VENLO

35. 3 PENWIPER Mosquitos attacked Venlo airfield, 2 on OBOE and 1 on D.

DEELEN

36. 3 PENWIPER and 1 FOUNTAIN PEN Mosquito were sent against the airfield at Deelen. All attacked the primary on OBOE, except one PENWIPER, which experienced OBOE failure and bombed Alkmaar airfield on a GEE fix.

MINELAYING

37. 2 Stirlings were detailed to lay mines off Texel. One completed task, laying 6 mines. Both returned safely.

LEAFLETS

38. 17 Wellingtons, out of a force of 13 despatched from Training Group scattered leaflets over Northern France. All returned safely.

FIGHTER OPERATIONS

39. 10 Mosquitos of 100 Group were sent on SEARCH patrol, in support of Stuttgart raid. 8 completed their patrols, without sighting any enemy aircraft. One was lost without trace. 28 Mosquitos of 100 Group patrolled enemy airfields in France, Holland, Belgium and Western Germany; and 8 Mosquitos of 2 Group attacked other airfields in France and the Low Countries. No other casualties were sustained.

SPECIAL OPERATIONS

40. 33 aircraft were despatched on special sorties over the Continent. All returned safely.

NET. RECON.

41. 1 Mosquito carried out a net. reconnaissance flight without incident.

M.H.M.
BC/3. 26342/4/ORS4,
2nd. June, 1944.

15/16th MARCH, 1944.

TARGET	GROUP	AIRCRAFT TYPE	SORTIES	A/C REPORTING ATTACK ON		ABORTIVE SORTIES		MISS-ING	DAMAGE				INTERCEPTIONS		RESULTS	
				PRBL. AREA	A.T. AREA	OVER E.T.	NOT OVER E.T.		BLK	FIGHTER	BRIT. INC. BOMBS	NOT DUE TO E/L	ATLCK-ED	NOT ATLCK-ED	HS.	Inc.
STUTTGART	8	Lanc.III	71	66	1	2	-	2	2	1.C	2.C	-	1	6	1226.1	
	K.P.	Mosq.IV	11	11	-	-	-	-	-	-	-	-	-	-	1519.4	
		Lanc.XVI	5	4	-	-	1	-	-	-	-	-	-	-		
	1	Lanc.III	45	41	2	-	-	2	-	1B	-	-	3	4	11x8,000lb	
		Lanc.I	57	54	-	-	-	3	1	1	-	-	1	1		
	3	Lanc.III	133	122	1	1	4	5	1	4.C	4.C	1+1B	7	7	352x4,000lb	
		Lanc.I	24	20	-	-	2	2	-	3.C	1.C	-	5	2		
		Lanc.II	45	41	-	1	1	2	1+1.C	3.C	1+1.C	-	6	2		
	4	Lanc.III	7	6	-	-	1	-	-	-	-	-	-	-		
		Hal.III	129	112	-	2	10	5	3	2+1B	1+1.C	2.C+3B	17	8		
5	Lanc.I	13	13	-	-	-	-	-	-	-	-	-	-			
	Lanc.III	16	16	-	-	-	-	-	-	-	-	-	-			
5	Lanc.I	45	41	-	1	2	1	1	1B	1.C	-	3	1			
	Lanc.III	132	122	-	1	3	6	-	2	1.C	1B	7	5			
6	Hal.III	101	84	1	3	9	4	2	1B	1B	1+1B	4	6			
	Lanc.II	29	25	-	-	-	4	-	1.C	-	-	1	2			
STUTTGART TOTAL			863	778	5	11	33	36	11+1.C	5+16.C	2+11.C	4+2.C	55	45		
MINDEN	8	Mosq.IX	4	1	-	2	1	-	-	-	-	-	-	-	606.5	.9
	8	Mosq.IV	4	2	-	2	-	-	-	-	-	-	-	-		
	3	Stir.	38	34	-	1	2	1	1	-	-	1B	-	-		
	4	Hal.	40	37	-	-	1	2	-	-	-	-	-	-		
	6	Hal.	54	49	-	3	2	-	2	-	-	1B+1.C	+1B	-		
MINDEN TOTAL			140	123	-	8	6	3	5	-	-	2B+1.C	+1B	-		
MINDEN			5	-	-	13	-	-	1	-	-	-	2	-		
MINDEN TOTAL			22	-	-	22	-	-	1	1	-	-	2	-		

TARGET	GROUP	AIRCRAFT TYPE	SORTIES	A/C REPORTING ATTACK ON		ABORTIVE SORTIES		MISS-ING	DAMAGE				INTERCEPTIONS		RESULTS		
				PRBL. AREA	A.T. AREA	OVER E.T.	NOT OVER E.T.		BLK	FIGHTER	BRIT. INC. BOMBS	NOT DUE TO E/L	ATLCK-ED	NOT ATLCK-ED	HS.	Inc.	
MINDEN	8	Mosq.IX	2	2	-	-	-	-	-	-	-	-	-	-	5.8	1.0	
MINDEN	8	Mosq.IV	5	4	-	-	-	-	-	-	-	-	-	-			
		Mosq.XVI	1	1	-	-	-	-	-	-	-	-	-	-			
MINDEN	8	Mosq.IX	2	2	-	-	-	-	-	-	-	-	-	-			
		Mosq.XVI	2	2	-	-	-	-	-	-	-	-	-	-			
MINDEN TOTAL			10	9	-	1	-	-	-	-	-	-	-				
STUTTGART:MINDEN: MINDEN TOTAL			1035	910	5	41	40	39	15+1.C	6+16.C	2+11.C	4+3.C	8B+1B	57	45		
DUSSELDORF	8	Mosq.IX	1	1	-	-	-	-	-	-	-	-	-	-	1.8		
		Lanc.XVI	1	1	-	-	-	-	-	-	-	-	-	-			
DUSSELDORF TOTAL			2	2	-	-	-	-	-	-	-	-	-				
BOCHUM	8	Mosq.IX	1	1	-	-	-	-	-	-	-	-	-	-	1.8		
		Mosq.XVI	1	1	-	-	-	-	-	-	-	-	-	-			
BOCHUM TOTAL			2	2	-	-	-	-	-	-	-	-	-				
DORTMUND			8	2	-	-	-	-	-	-	-	-	-	-	1.8		
LAISSEUSE			8	1	-	-	-	-	-	-	-	-	-	-	1.8	1x1,000lb	
ST. THOMAS			8	3	-	-	-	-	-	-	-	-	-	-	2.0	.3	
VENLO			8	3	-	-	-	-	-	-	-	-	-	-	2.0	.2	
DEERLE			8	4	-	-	-	-	-	-	-	-	-	-	2.7		
DORTMUND TOTAL			10	9	1	-	-	-	-	-	-	-	-	-			
BOCHUM TOTAL			1052	926	6	41	40	39	15+1.C	6+16.C	2+11.C	4+3.C	8B+1B	57	45		
MINDEN:LAISSEUSE			3	2	-	-	1	-	-	-	-	-	-	-	6 mines		
LE-FLETS	92	Well.III	5	5	-	-	-	-	-	-	-	-	-	-			
		Well.X	6	6	-	-	-	-	-	-	-	-	-	-			
		Well.Ic	3	2	-	-	1	-	-	-	-	-	-	-			
		Well.III	3	3	-	-	-	-	-	-	-	-	-	-			
LE-FLETS	93	Well.III	1	1	-	-	-	-	-	-	-	-	-	-			
		Well.X	1	1	-	-	-	-	-	-	-	-	-	-			
LE-FLETS TOTAL			18	17	-	1	-	-	-	-	-	-	-				

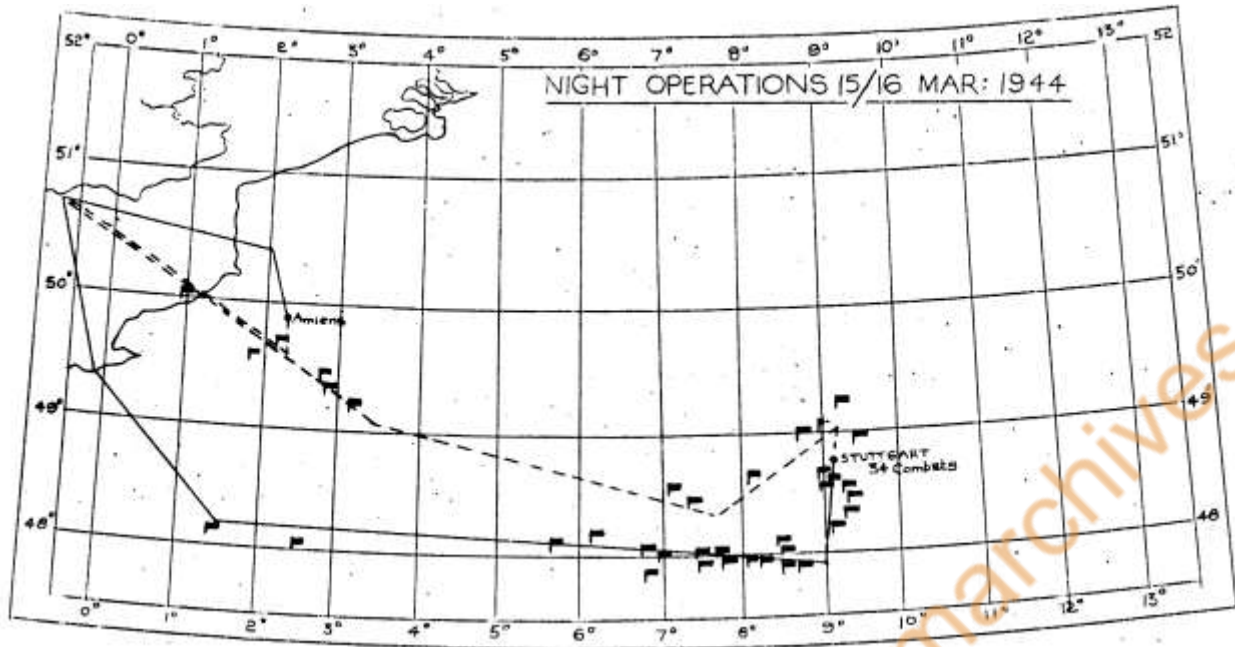
TARGET	GROUP	AIRCRAFT TYPE	SORTIES	A/C REPORTING ATTACK ON		ABORTIVE SORTIES		MISS-ING	DAMAGE				INTERCEPTIONS		RESULTS		
				PRBL. AREA	A.T. AREA	OVER E.T.	NOT OVER E.T.		BLK	FIGHTER	BRIT. INC. BOMBS	NOT DUE TO E/L	ATLCK-ED	NOT ATLCK-ED	HS.	Inc.	
LE-FLETS	8	Mosq.	1	1	-	-	-	-	-	-	-	-	-	-			
GRAND TOTAL			1081	953	6	41	44	40	15+1.C	6+16.C	2+11.C	4+3.C	8B+1B	57	45		
SPECIAL OPS			5	5	-	-	-	-	-	-	-	-	-	-			
SPECIAL OPS TOTAL			33	-	-	-	-	-	-	-	-	-	-	-			
ENEMY			2	8	-	-	-	-	-	-	-	-	-	-			
ENEMY TOTAL			28	-	-	-	-	-	-	-	-	-	-	-			
ENEMY TOTAL			26	-	-	-	-	-	-	-	-	-	-	-			
LE-FLETS			7	-	-	-	-	-	-	-	-	-	-	-			

* NOT INCLUDED IN GRAND TOTAL.

LE-FLETS (F):- GRAND: BOCHUM: MINDEN: DEERLE: LAISSEUSE: VENLO: ST. THOMAS:

D.R.S.S.

PORTLANDS (F):- MINDEN: LAISSEUSE: DEERLE: ST. THOMAS: VENLO: GRAND:



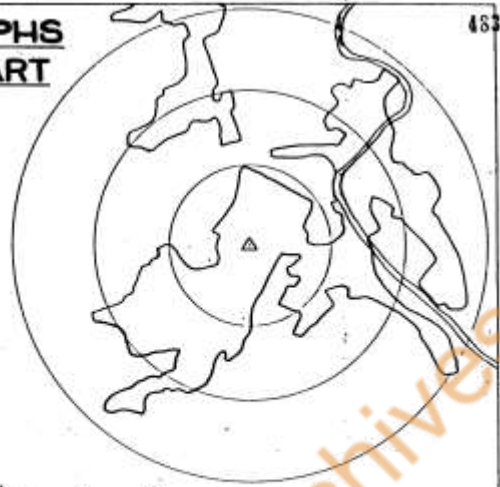
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FINAL PLOT OF NIGHT PHOTOGRAPHS

TAKEN 15/16 MARCH 1944 TARGET: STUTTGART

483

SECRET



1 aircraft has been plotted
outside the area of this map.

Scale: 1 inch = 1 mile

WJRC 4070
1544 J.J.
Ref: 325 62136

Photographs taken with Bombing

	P.F.F. master aircraft	Man from ground
Plotted by ground detail	●	○
Plotted by fire	○	○
Plotted	By ground detail	By fire
Within target area	—	—
Outside target area	109	114

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BOMBER COMMAND REPORT ON NIGHT OPERATIONS

16/17th. MARCH, 1944.

THEATRE: Clermont-Ferrand; Cologne; Duisburg; Hinfelzing; etc.OPERATION

The marshalling yards at Clermont were attacked for the second night in succession. The target was accurately groundmarked in clear conditions, and bombing was concentrated. More heavy damage was caused.

Lancasters of 5 Group made a most successful attack on the Michelin tyre works at Clermont-Ferrand, scoring hits on every building. Mosquitos were sent to Cologne and Duisburg, and other aircraft held in reserve and carried out star patrols. No aircraft was missing from the night's operations.

WEATHER FORECAST

Midnight frontal positions:- (1) feeble warm from Wash - Portland Bill
feeble cold from East Scotland - Irish Sea.

Bases:- All fit for take-off at dusk. By midnight, 1 and 5 Groups will be unusable because of fog; 8 Group will keep 1-3,000 yards at half its bases, 6 Group and half of 4 Group will stay fit until 0300. Good diversions in the English Channel until 0200, and along S. coast. Variable strato-cumulus at 2,000'.

Germany:- Broken medium and strato-cumulus in N.W. Good clearances in the North Sea. Munich: good chance of less than 5/10ths. strato-cumulus

France:- Little cloud. Patches of strato-cumulus in N. Local smoke from the Channel: late reports indicate much strato-cumulus, but majority opinion is in favour of little cloud.

OPERATIONSROUTE

Route Reading - Selsey Bill - 4952N. 0112E - T. X. H. I - 4952N. 0240E -
Selsey Bill.

Method of attack The attack was to be opened by 4 CBOX Mosquitos (on Channel 1 and 2 on Channel 3), which were to mark the aiming-point with red flares. The main force were to bomb these T.I., attacking in 2 waves with one reserve period.

Timing Zero hour: 2200

N. E. aiming-point
Initiation of attack: 2159-2206

1 Mosq. at z - 1
" " z

Main force 64 a/c from z to z + 6

S. W. aiming-point
2205-2212
and 2224-2230

1 Mosq. at z + 11
" " z + 12
" " z + 23) reserve period
" " z + 24)

50 a/c from z + 12 to z + 18
(reserve period: z + 24 to z + 30)

...../Tactics.

CLERMONT-FERRAND

21 Lancasters of 5 Group attacked the Clermont-Ferrand tyre factory. Target was accurately marked and bombed in clear weather, and reconnaissance showed that all the buildings were damaged. The largest (900' x 480') was hit by heavy bombs, which demolished much of the structure and stripped most of the roof. Almost half of the plant making inner tubes (500' x 400') was destroyed. In addition, the compound workshop was seriously damaged, and the power station rendered severely from blast. All our aircraft returned safely.

COLOGNE

8 Mosquitos (2 LIBU/100 and 6 non-COB) were sent to Cologne. Both COB aircraft made successfully controlled runs, but their T.I. were obscured by thick cloud, and most of the other aircraft bombed on GEE/DR. Six 4,000 lb. bombs were dropped. No casualties were sustained.

DUISBURG

1 Mk.I Mosquito was sent to Duisburg, but abandoned its task because of engine trouble.

HEERLEN

3 Stirlings each laid 6 mines off the Dutch coast without incident.

PILOT OPERATIONS

2 Mosquitos of 100 Group carried out SEARCHER patrols, and 4 others of 100 Group patrolled airfields in the Low Countries - all without incident.

SPECIAL OPERATIONS

2 Mosquitos of 100 Group made special sorties over the Continent.

/JC.
E. 26342/2/CRS4,
4. June, 1944.

TARGET	GROUP	AIRCRAFT TYPE	SORTIES	% REQUISITE ATTACH OF				% REQUISITE SORTIES				MISS-ING	DESCRIPTION				RESULTS		
				PRIM. ARE.	ADJ. ARE.	OVER R.T.	NOT OVER R.T.	PRIM. ARE.	ADJ. ARE.	OVER R.T.	NOT OVER R.T.		ATTACKED	NOT ATTACKED	H.E.	Inc.			
WIDERS	BEPF	Moq.IV	4	2	-	2*	-	-	-	-	-	-	-	-	-	-	-	560.5	.9
		Moq.IX	4	1	-	3	-	-	-	-	-	-	-	-	-	-	-		
		Stir.	4	36	-	1	4	-	-	-	-	-	-	-	-	-	-		
		Halifax	31	29	-	-	2	-	-	-	-	-	-	-	-	-	-		
		Halifax	50	50	-	-	-	-	-	-	-	-	-	1	1	-	-		
WIDERS TOTAL			130	118	-	4*	6	-	-	1	-	-	-	1	1	-	-	-	
CLER D.T. - PERS. D.	5	Lanc.I	14	14	-	-	-	-	-	1	-	-	-	-	-	-	-	75.9	15.6
		Lanc.III	7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	10x12,000lbs.	
CLER D.T. - PERS. D. TOTAL			21	21	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
COLOGNE	BEPF	Moq.XVI	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	11.6	.4
		Moq.IV	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
		Moq.XVI	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-		
COLOGNE TOTAL			8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BUNSBURG (HANDOWN) B			1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
BUNSBURG TOTAL			150	147	-	5*	6	-	-	2	-	-	-	-	-	-	-	-	
MILITARY TARGETS	3	Stir.	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Stir.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MILITARY TARGETS TOTAL			3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SERVICES			100	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GRAND TOTAL			165	152	-	5*	6	-	-	2	-	-	-	1	1	-	-	-	
SYRC. OPS.			100	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
INTRUSIONS			4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

* NOT INCLUDED IN GRAND TOTAL.

x Reserve aircraft not required.

G. S. S. J.

RAID TRACK AND BOMB PLOT NOT AVAILABLE

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BOMBER COMMAND REPORT ON NIGHT OPERATIONS

17/18th. MARCH, 1944.

Cologne: Lachen: etc:

KEY

Cologne 28 Mosquitos (2 Mk.I, 4 H2S and 22 non-OBOE) were despatched on 17/18th. All the markers failed except one Mk.I, and most aircraft therefore landed on GEE/DR. The glow of fires could be seen for 50 miles on the return journey. No casualties were sustained.

Lachen 2 Mk.I Mosquitos were sent to Lachen. One attacked on OBOE; the other failed because of a navigational error. Both returned safely.

Special operations One Mosquito of 100 Group carried out a special mission over the Continent.

WEATHER FORECAST

Bases:- Fog will become general after midnight.

Germany:- Much strato-cumulus in N. Little cloud in S.

France:- Patchy strato-cumulus. Local fog.

Denmark:- Broken strato-cumulus.

RESULTS

	<u>Cologne</u>	<u>Lachen</u>	<u>Special Ops.</u>
No. of aircraft despatched.....	28	2	1
" " " reporting attack on primary area..	23	1	1
" " abortive sorties.....	0	1	0
" " aircraft missing.....	0	0	0

WEATHER EXPERIENCED

Bases:- Fog became widespread S.E. of the Humber by 23-2400, and extended all areas S.E. of Scarborough-Bristol later.

Ruhr:- 7-10/10ths. strato-cumulus, tops 5-8,000'.

DEFENCES

No fighters were seen. A little heavy flak was met from Cologne.

REMARKS

All our aircraft returned undamaged.

17/18th. MARCH, 1944.

TARGET	GROUP	AIRCRAFT TYPE	SORTIES	NO REPORTING ATTACK ON		AGGRESSIVE SORTIES		MISSED	DAMAGE				DISTRIBUTION		RESULTS	
				PRD. AREA	ALT. AREA	OVER L.T.	NOT OVER L.T.		FLK	FLYBLK	BRIT. INC. BURNS	NOT DUE TO E/A	FLYBLK-KID	NOT FLYBLK-KID	HE.	INC.
COLOGNE	B	Meq. IX	2	2	-	-	-	-	-	-	-	-	-	-	-	29.2 % 800,000lb
	FFP	Meq. IV	5	5	-	-	-	-	-	-	-	-	-	-	-	
	B	Meq. IX	2	2	-	-	-	-	-	-	-	-	-	-	-	
	M.F.	Meq. IV	13	13	-	-	-	-	-	-	-	-	-	-	-	
		Meq. XVI Meq. XI	4 2	4 2	-	-	-	-	-	-	-	-	-	-	-	
COLOGNE TOTAL			28	28	-	-	-	-	-	-	-	-	-	-	-	
DORTMUND	B	Meq. IX	1	-	-	1	-	-	-	-	-	-	-	-	-	.9
		Meq. XVI	1	1	-	-	-	-	-	-	-	-	-	-	-	
DORTMUND TOTAL			2	1	-	1	-	-	-	-	-	-	-	-	-	
GRAND TOTAL			30	29	-	1	-	-	-	-	-	-	-	-	-	
* SPECIAL OPS.	100		1	-	-	-	-	-	-	-	-	-	-	-	-	

* NOT INCLUDED IN GRAND TOTAL

G.R.S.S.

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BOMBER COMMAND REPORT ON NIGHT OPERATIONS

18/19th. MARCH, 1944.

FRANKFURT: Bergerac; Ruhr; Kassel; Airfields; Mining; etc.SUMMARY

Frankfurt was accurately bombed by 749 aircraft. There was little cloud below bombing height, but a thick haze obscured ground detail. The attack ranged to the east of the city centre, and the largest concentration occurred around the docks, but damage was scattered throughout the built-up area. Fighters were distracted by a large mining operation off Heligoland, and only 12 aircraft, 2.6% of the total force of 846 despatched, were lost.

Lancasters attacked the explosives factory at Bergerac with devastating effect, while Mosquitos attacked targets in the Ruhr and airfields in the Low Countries. A small diversionary raid was made on Kassel. 252 mines were laid in the Heligoland Bight, and our fighters destroyed 3 enemy aircraft near Frankfurt. No further losses were sustained.

WEATHER FORECAST

ases:- All fit at dusk, with strato-cumulus at about 2,000' and broken nimbus and high cloud above. Cloud will gradually increase to 7-10/10ths., but all areas should stay fit until 0300 hours, except 6 Group, where a cold front will give light rain and poor visibility.

Germany:- Much strato-cumulus, with many breaks in H.W., a few in S. and none in N.E. Frankfurt: probably less than 5/10ths. lower cloud; but layers of thick layer cloud will form on high ground, and may drift towards the target where, however, it should be broken. Heligoland: 10/10ths., with good winds between 6-12,000'; moderate to poor visibility.

France:- Well broken strato-cumulus along N. coast. Elsewhere, little cloud and moderate visibility.

FRANKFURTPLAN OF ATTACK

Route See route map.

Route-marking All blind backers-up were to drop green steady flares 5 miles N. of the target on the way out.

Method of attack The attack was planned as a NEUTRAL with emergency route-marking. Blind marker illuminators, if there was less than 7/10ths. cloud, were to mark the aiming-point with green T.I. and release white flares, the first 30 seconds before the T.I. and the rest at 10 second intervals. If there was more than 7/10ths., they were to drop greens and R/P flares (red with yellow stars), holding their white flares. If their H2S was u/s, they were to retain their markers and act as Supporters. Visual markers were to mark the exact aiming-point with salvos of mixed reds and greens; if unable to identify with absolute certainty, they were to bomb blindly, or aim at the centre of all greens or R/P. flares. Those Blind backers-up detailed to attack before 0900 + 9 were - in the event of a NEUTRAL - to hold their R/P flares and aim only at the centre of all T.I. If there was thick cloud, they were to drop sky-markers blindly. Those detailed to bomb later, were to drop reds and

...../R/P flares regardless

R/P flares regardless of the weather. If their H23 was u/s, they were to revert to the role of visual backers-up, holding their skymarkers. Visual backers-up were to aim reds at the centre of all mixed salvos, or at the centre of all T.I. with a 2-second overshoot. If cloud obscured the T.I., they were to bomb blindly, or aim at skymarkers. Supporters were to bomb blindly, if possible; otherwise visually, on a good D.R., at the centre of all T.I., or at the centre of skymarkers (on a heading of 190°M.). Main force aircraft were to aim at the mixed salvos, or at the centre of all reds. If there was much cloud, they were to bomb the centre of all skymarkers on a heading of 190°M.

7. Timing Zero hour: 2200 Duration of attack: 2155-2217

Blind marker illuminators.	24 @ z - 5
Visual markers.	6 @ z - 3
Blind backers-up.	26 @ z - 2 to z + 16
Visual backers-up.	22 @ z to z + 17
Supporters.	71 @ z - 5
Main force.	131 @ z to z + 3
	131 @ z + 3 to z + 6
	130 @ z + 6 to z + 9
	131 @ z + 9 to z + 12
	129 @ z + 12 to z + 15
	25 ABC throughout the attack.

8. Tactics At zero - 10, 2 Y-Mosquitos were to mark the aiming-point with yellow T.I. One minute later, 13 Mosquitos were to aim their bombs (including 4,000lb. H. 2) at these T.I., or to attack on a good D.R. They were to drop 4 bundles of WINDOW per minute over the last 15 miles, and 1 per minute on the way back. At zero - 13, 12 Mosquitos were to carry out a feint attack on Kassel with T.I. and H.E. 2 Mosquitos were to drop 4,000 lb. bombs on the target at zero + 50 and zero + 60. All heavies were to drop 2 bundles of WINDOW per minute within 30 miles of the target, and one per minute for the rest of both trips.

SORTIES

9. No. of aircraft despatched.....	846
" " " reporting attack on primary area.....	749(88.5)
" " " " " alternative area.....	16(1.9)
" " abortive sorties.....	59(7.0)
" " aircraft missing.....	22(2.6)

WEATHER EXPERIENCED

10. Bases:- Almost covered by strato-cumulus, base 2,000' and above. Moderate to good visibility. Light rain moved rapidly southwards across the country.

Route:- Much strato-cumulus and alto-stratus in W. Medium cloud dispersed en route. Static at 20,000'; contrails from 13,000'.

Target:- Much tenuous cloud above 18-20,000'; little below. Very hazy. No moon.

Winds at 20,000':- 290°/37 n.p.h. at 02°E., gradually veering to 335°/28 n.p.h. at Frankfurt.

NIGHT PHOTOGRAPHIC STATISTICS

11. No. of aircraft plotted in target area (ground detail..... 0).....	64
" " " " " off " " (ground detail..... 2).....	151
" " " " " " " " (fire tracks.....149)	64-217
" " " " " " " " (mean: 179)	180-626
" " " " " " " " (mean: 566)/ALTERNATIVE VP .ATTACK.

REPORTIVE OF ATTACK

2. 15 of the 24 blind marker illuminators succeeded in dropping flares and markers, all between zero - 6 and zero - 4. The visual backscatters were also functional, and at no time during the attack were the main force without markers to aim at. Crews were enthusiastic about the concentration of ground markers, and their reports of an accurate and concentrated raid were confirmed by H2S operators.

RECONNAISSANCE

3. Photographic cover was not obtained until after the attack of 22/23rd March, when 741 aircraft of Bomber Command bombed the city in good weather conditions. Considerable damage was caused to industrial and residential property as the result of these 2 operations and an attack by 41 American heavies through 10/10ths. cloud on March 20th. The aircraft components works of Alfred Treves (priority 1+) were very violently hit, and severe damage was also caused to the Rebstock airfield, where almost all the buildings were destroyed or damaged, to the important marshalling yards and Adlerwerke A.G. (both priority 1), and to transport facilities and commercial premises.

ENEMY DEFENCES

4. Ground defences Searchlights exposed in large numbers, but were obscured by the haze. Where they succeeded in forming cones, the heavy guns fired intense seen fire; otherwise, they put up a loose barrage of moderate intensity between 16,000' and 24,000'. Many towns en route were active against our aircraft, especially in the coastal section between Ostend and Dunkirk; and allied opposition was met from flak-ships. 4 aircraft were seen shot down by flak en route (at Dunkirk and S. of Bonn on the way out, and at Darmstadt (2) on the way home); while 4 more fell to the target guns.

5. Fighters Nearly 100 fighters, operating off Heligoland, distracted the fighter forces held in N. Germany and Belgium until it was too late for them to intercept our bombers en route. Another large force was, however, lying in wait at the target, where 19 combats were reported. These fighters followed the stream some way out of the target, and nearer home, more opposition was encountered from these fighters which had been held in the north. But no more than 8 aircraft were seen to go down in combat: 4 on the way out, between 06°E. and the target, 1 over Frankfurt itself, and 3 more on the first part of the inward route. 3 other probable fighter successes were observed, 1 over the target and 2 along the return route.

ENEMY AIRCRAFT DESTROYED

6 fighters were claimed as destroyed: a FW.190 to a 4 Group Halifax, a Me.109 to a 5 Group Lancaster, a Me.110 to a P.F. Halifax, and 3 Ju.88's to 10 Group Mosquitos.

RESULTS

No. of aircraft missing.....	22 (2.6%)
" " " damaged (flak.....	13)
(fighter.....	5)
(British incendiaries....	8)
(other causes.....	8)
	34

18 losses can be attributed to known causes: 3 to fighters, 8 to flak and 2 to a collision in the target area. 2 returning Lancasters were wrecked in landing accidents, while 2 other aircraft collided in mid-air but luckily escaped without serious injury. The loss and damage rates are low for a target of this type.

...../BERGKAC.

BERGERAC

18. 19 Lancasters of 5 Group attacked the explosives works at Bergerac, clear weather. The target was illuminated and accurately marked from 5-6, and bombed from 12-15,000'. The whole area was left in flames, with many in explosions taking place. Reconnaissance revealed extremely heavy damage. Nitration house, 18 buildings of the powder works, 2 of the acid recovery plant and 14 others were destroyed, gutted or virtually demolished. Roof damage caused to the washing and boiling house, the pulping and drying houses, the maintenance workshop, the acid plant and about 10 large unidentified buildings. All our aircraft returned undamaged.

ACHEN

19. 7 OBOE Mosquitoes (IX.I) were sent to attack the railway stations at Aachen. 3 bombed on OBOE, and a fourth made a correct run but overshot by miles. The other 3 attacked the city on D.R. All returned safely.

KASSEL

20. 11 non-OBOE Mosquitoes carried out a diversionary attack on Kassel, dropped T.I. on H2S, and was backed up by the other aircraft with more T.I. H.E. From this and all other Mosquito operations on this night, all aircraft returned safely.

DUISBURG

21. 2 IX.I Mosquitoes attacked the Ruhrort steel works at Duisburg on OBOE.

DORTMUND

22. 3 ALBUM LEAF Mosquitoes were sent against the Hoesch steel works at Dortmund. 2 made successfully controlled runs; the third attacked on D.R.

AIRFIELDS

23. 17 Mosquitoes were sent against airfields in the Low Countries. 13 attacked their targets on OBOE, 2 on D.R., and the remaining 2 aircraft returned early. 4 of the successful aircraft were FEWIPER, 4 FOUNTAIN PEN, 3 IX.I, 2 ALBUM LEAF.

MINELAYING

24. 98 Stirlings and Halifaxes were sent to lay mines in Heligoland Bight acting at the same time as a diversion to the main bombing effort on Frankfurt. 93 reached their target, laying 232 mines in the correct area. The other 5 aircraft returned early. No losses or casualties were sustained from enemy action; but one Halifax was wrecked in a landing accident. The operation undoubtedly puzzled the fighter controllers, who held large forces in readiness in the north until it was too late for them to intercept the main bomber stream.

LEAFLETS

25. 18 Wellingtons were sent from Training Groups to scatter leaflets over Northern France. 16 completed their task. None was lost or damaged.

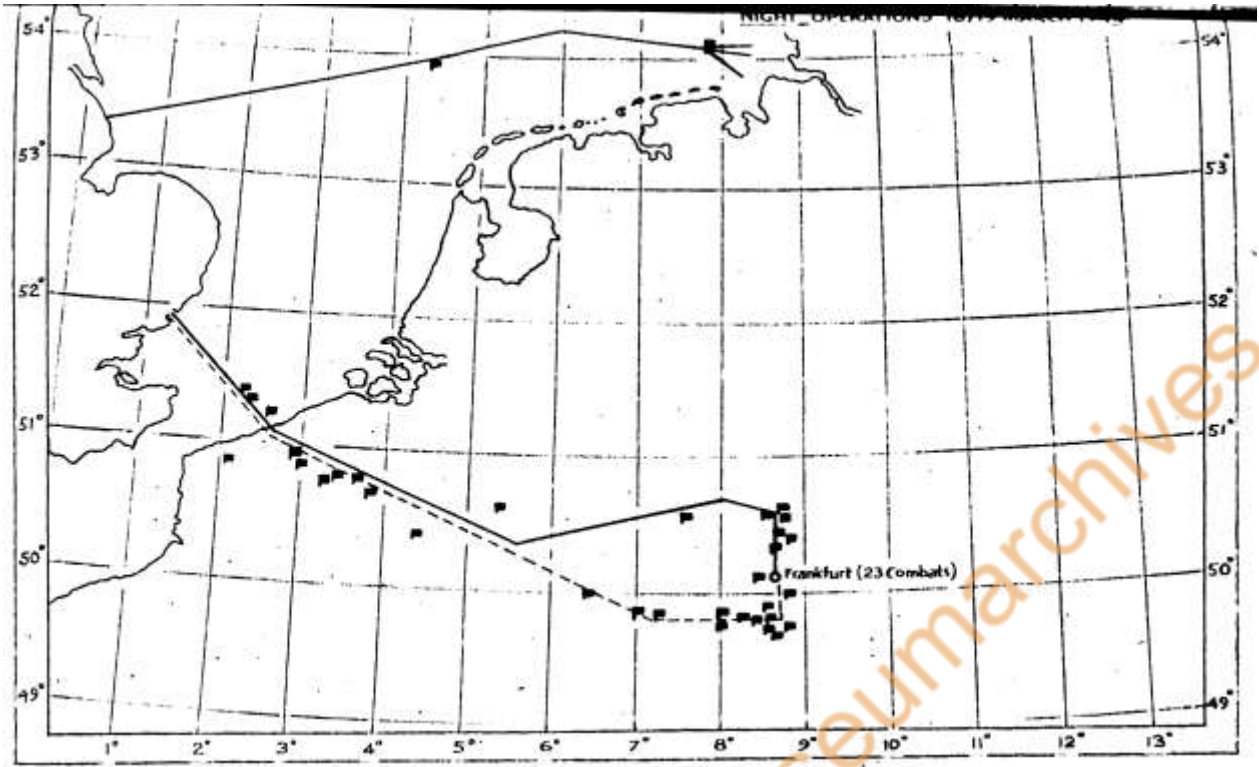
PERMER OPERATIONS

26. 13 Mosquitoes of 100 Group were sent on SPURITE patrols, while 23 other 2 Group and A.D.G.E. attacked or patrolled airfields. The SPURITE aircraft destroyed 3 Ju. 88's in the Frankfurt area. None of the other reported combats, but 4 located and bombed targets at Twente (2) St. Trond and St. Dis. No losses were sustained.

SPECIAL OPERATIONS

27. 8 Halifaxes were despatched on special missions over the Continent. were successful. All returned safely.

MLM/JT
EC/S, 26342/2/ORS4
15th June, 1944.



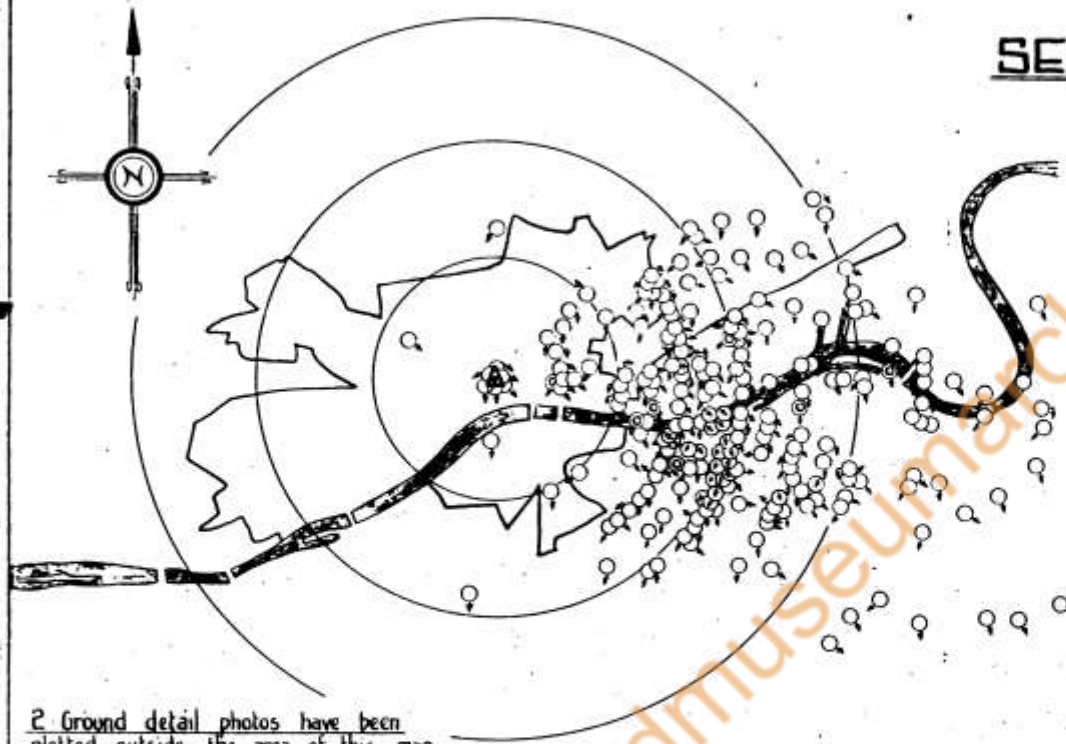
www.bombercommandmuseumarchives.ca

FINAL PLOT OF NIGHT PHOTOGRAPHS

TAKEN 18/19 MARCH 1944. TARGET: FRANKFURT

493

SECRET



2 Ground detail photos have been plotted outside the area of this map

ORS/BC 4298
10544 gJ
Ref: map Ctd.
556 30

Scale: 1 inch = 1 mile

Photographs taken with Bomtang		
	PFF marker aircraft	Man force a/c
Plotted by ground detail	⊙	●
Plotted by fires	⊙	○
Plotted	By ground detail	By fires
Within target area	0	64
Outside target area	2	149

www.bombercommandmuseumarchives.ca

OPER COMBAT REPORT ON NIGHT OPERATIONS

19/20th. MARCH, 1944.

Berlin: Dusseldorf: Aachen: Minelaying: etc:

Berlin 9 Mosquitos, including 3 H23 (BARREL SCANNER) aircraft, carried harassing raid on Berlin. All the markers had H23 failure, and the whole attacked on D.R. All returned safely.

Dusseldorf 8 Mk.II Mosquitos (4 PEWEEER and 4 MOUNTAIN PE) were sent to erf. One aircraft of each type made successfully controlled runs; 4 attacked Dusseldorf on D.R.; one bombed Cologne, and one was abortive. None damaged.

Aachen 4 Mk.I Mosquitos were despatched to Aachen. 2 attacked the on C.D.R. and a third on D.R.; the fourth bombed Prun, 50 miles to the south. All safe.

Minelaying 17 Stirlings, out of a force of 19 despatched by 3 Group, laid s in the Bay of Biscay and off the Dutch coast. All returned safely.

Leaflets 5 Wellingtons scattered leaflets over N. France without

Fighter patrols 3 Mosquitos carried out 3 R.C.F.I. patrols without contacting hostile aircraft.

H.t. recon. One Mosquito completed a noct. reconnaissance flight without

Special operations 4 aircraft of 100 Group made special sorties over

WEATHER FORECAST

Midnight frontal positions:- cold from Konigsburg - Frankfurt - Brest.

Bases:- Fit all night. Little cloud and moderate to good visibility.

Continent:- Narrow belt of clear skies behind the front. Later, thin cloud will spread in from the North Sea, with tops to 20,000' or above in light area. In frontal zone, E. of 10°E., there will be much thick low and cloud with rain; but further W., good lanes will be found at all levels. Sea:- Frontal cloud should be clear by 2100, leaving cloudless skies until 2230, on 5/10ths. residual cumulus, tops 3,000'. Cirrus:- little cloud, but will be met about 48°N.

	<u>Bombing</u>	<u>Minelaying</u>	<u>Other Ops.</u>
No. of aircraft despatched.....	21	19	10
" " reporting attack on primary area.....	18	17	10
" " " " alternative area.....	2	0	0
" " abortive sorties.....	1	2	0
" " aircraft missing.....	0	0	0*

* but one was lost on special operations, not included in this total.

...../LEADER FRIERWOOD

WEATHER EXPERIENCED

11. Bases:- Pit all night, with little cloud and moderate to good visibility.

Berlin:- 3/10ths strato-cumulus, tops 5,000'. Good visibility.

Ruhr:- Little cloud, sometimes nil. Good visibility.

S.W. France:- Little cloud. Hazy.

ENEMY DEFENCES

12. No fighters were seen. Searchlights were very active at Berlin and in the Ruhr, but the flak was slight.

CASUALTIES

13. One aircraft was lost without trace on special operations. A Mosquito was slightly damaged by flak over Berlin, and a Stirling by an engine fire that broke out en route. No other losses were sustained.

MEM/JT
BC/S. 26342/6/CH34,
4th. June, 1944

SQUADRON	GROUP	AIRCRAFT TYPE	DORTIER	A/C REPORTING ATTACK ON				MIS-ING	DAMAGE				OFFICERS/NO. OF		RESULTS
				PROP. ARE.	ALT. ARE.	OVER E.C.	NOT OVER E.C.		PLX	PISTER	SPLIT ENG. BURNS	NOT LYN TO	NO. OF	NO. OF	
BERLIN	SPPF	Mosq. IX	1	1	-	-	-	-	-	-	-	-	-	-	7.4
		Mosq. IV	2	2	-	-	-	-	-	-	-	-	-		
	8	Mosq. IX	2	2	-	-	-	-	-	-	-	-	-		
	M.P.	Mosq. IV	2	2	-	-	-	1	-	-	-	-	-		
		Mosq. IX	2	2	-	-	-	-	-	-	-	-	-		
BERLIN TOTAL			9	9	-	-	-	1	-	-	-	-	-		
DOSSMDCRP	8	Mosq. IX	8	8	1	1	-	-	-	-	-	-	-	5.4	
4.0.33	8	Mosq. IX	4	3	1	-	-	-	-	-	-	-	-	2.7	
BOUING TOTAL			21	16	2	1	-	1	-	-	-	-	-		
METLIVING															
ST. JEAN de LUZ	3	Stir.	2	2	-	-	-	-	-	-	-	-	-	4 mines	
B. YONNE		Stir.	4	3	-	1	-	-	-	-	-	-	-	6 mines	
GIRONDE		Stir.	12	11	-	1	-	-	-	-	1.0	-	-	32 mines	
S. YONNE		Stir.	1	1	-	-	-	-	-	-	-	-	-	6 mines	
METLIVING TOTAL			19	17	-	2	-	-	-	-	1.0	-	-	48 mines	
LA FLEURS	91	Well. III	5	5	-	-	-	-	-	-	-	-	-		
		Well. X	1	1	-	-	-	-	-	-	-	-	-		
LA FLEURS TOTAL			6	6	-	-	-	-	-	-	-	-	-		
SEGLATE	100	Mosq.	3	3	-	-	-	-	-	-	-	-	-		
EST. RECCE	8	Mosq.	1	1	-	-	-	-	-	-	-	-	-		
GRAND TOTAL			50	45	2	3	-	1	-	-	1.0	-	-		
SPEL. OPS.	100	Various	4	-	-	-	-	1	-	-	-	-	-		

NOT INCLUDED IN GRAND TOTAL.
LA FLEURS AT:- LAHIS; VIERZILLAS; ST. PONS

C. R. S. J.

BOMBER COMMAND REPORT ON NIGHT OPERATIONS

20/21st. MARCH, 1944.

Munich: Ruhr: Angoulême:

Munich 12 Mosquitos (including 3 Y-aircraft) were sent to Munich. One of the Y-aircraft was able to drop T.O., and 11 aircraft attacked on GEE/DR. One fifth aircraft abandoned its task for technical reasons. From this and other operations on this night, all our aircraft returned safely.

Cologne 3 Mk.I Mosquitos were despatched to Cologne. One made a fully controlled run; the others bombed on D.R., one in the primary area and other at Bonn.

Aachen 4 FOURTEEN FIVE Mosquitos were detailed to attack Aachen; but all were failures, and bombed the built-up area on D.R.

Dortmund 4 ALBUH LIMP Mosquitos were sent to Dortmund, to attack the D.R. 2 bombed on GEE and 2 on D.R.

Disburg 2 Mk.I Mosquitos were despatched against Vereinigte Stahlwerke Works. One attacked on GEE, and the other bombed Giesbach on D.R.

Angoulême 20 Lancasters of 5 Group delivered a concentrated attack in weather against the Angoulême explosive works. Great damage was caused.

Special Operations 9 Halifaxes of 3 Group made special sorties over the Ruhr. 6 were successful.

REMARKS

Midnight frontal positions:- Warm front 57½°N. 05° E. - Thames estuary - England.

Bases:- Very low cloud and light rain in frontal zone, followed by much above 1,000'. Moderate visibility. 3 and 8 Groups will be in frontal at 1900; other Groups will not be affected after dark. Most bases should clear after midnight.

Germany:- Much medium cloud and broken strato-cumulus in N.W., decreasing towards patches. Munich: much strato-cumulus, with broken medium cloud.

France:- Much medium cloud and broken strato-cumulus in N. Little in S. and Central France.

No. of aircraft despatched.....	45
" " " reporting attack on primary area.....	42
" " " " " alternative area.....	2
" " abortive sorties.....	1
" " aircraft missing.....	0

REMARKS

Bases:- No troubles until 0100, when a weak cold front began to affect the coast, carrying a 20-mile wide belt of drizzle, with patches of cloud

...../at 1,000',

at 1,000', as far as Vale of York - 8 Group by 0700.

Munich:- Broken strato-cumulus, with much thin upper cloud in layers.

Ruhr:- 10/10ths. thick frontal cloud to 32,000'.

Angoulême:- No cloud. Moderate visibility. No moon.

DAY RECONNAISSANCE (Angoulême)

11. The Poudrerie Nationale suffered very grave damage, most of the buildings of the Nitro-Cellulose plant being completely destroyed, while many other buildings of all sizes were almost entirely gutted or demolished.

ENEMY DEFENCES

12. No defences were met at Angoulême. No fighters were seen over Germany and little flak was reported.

CASUALTIES:

13. No aircraft was lost. One Mosquito was slightly damaged by flak over Munich.

MLM/JT.
BC/S. 26342/6/ORS4,
4th. June. 1944.

TARGET	GROUP	AIRCRAFT TYPE	SIGHTED	FUEL CONSUMED		OIL CONSUMED		LOSS	RESULTS				REMARKS			
				PREL. LBS.	TOT. LBS.	OVER E.T.	TOT. OVER E.T.		Flak	FIGHTER	DAY. INC. REPTD	NOT DUE TO REPTD	STUCK BY	DIV. BY	HE.	Inc.
MUNICH	8FP	Mosq. IX	1	1	-	-	-	-	-	-	-	-	-	-	9.2	.1
		Mosq. IV	2	2	-	-	-	-	-	-	-	-	-	-	-	-
		8	1	1	-	-	-	-	1	-	-	-	-	-	-	-
		M.P.	6	5	-	-	1	-	-	-	-	-	-	-	-	-
		Mosq. XVI	1	1	-	-	-	-	-	-	-	-	-	-	-	-
		Mosq. XX	1	1	-	-	-	-	-	-	-	-	-	-	-	
MUNICH TOTAL			12	11	-	-	1	-	1	-	-	-	-	-	-	
COLOGNE	8	Mosq. IX	1	1	-	-	-	-	-	-	-	-	-	-	.9	
		Mosq. XVI	2	1	1	-	-	-	-	-	-	-	-	-	-	
COLOGNE TOTAL			3	2	1	-	-	-	-	-	-	-	-	-	-	
DORTMUND	8	Mosq. IX	4	4	-	-	-	-	-	-	-	-	-	-	3.6	
		Mosq. IX	2	2	-	-	-	-	-	-	-	-	-	-	3.4	
		Mosq. XVI	2	2	-	-	-	-	-	-	-	-	-	-		
DORTMUND TOTAL			4	4	-	-	-	-	-	-	-	-	-	-	-	
DUISBURG	8	Mosq. XVI	2	1	1	-	-	-	-	-	-	-	-	-	1.8	12,000lbs
ANGOULEME	5	Lanc. I	11	11	-	-	-	-	-	-	-	-	-	-	53.6	15.5
		Lanc. III	9	9	-	-	-	-	-	-	-	-	-	-	-	12x1,000lbs.
ANGOULEME TOTAL			20	20	-	-	-	-	-	-	-	-	-	-	-	
GRAND TOTAL			45	42	2	1	-	-	1	-	-	-	-	-	-	
* SPEC. OPS.	3	Various	9	-	-	-	-	-	-	-	-	-	-	-	-	

* NOT INCLUDED IN GRAND TOTAL

BOMBER COMMAND REPORT ON NIGHT OPERATIONS

21/22nd. MARCH, 1944.

Ruhr: Minelaying: Leaflets: etc:

SUMMARY

Cologne 27 Mosquitos were sent on a harassing raid against Cologne. Of the 4 OBOE (ALBUM LEAF) aircraft dropped T.I., after successfully controlled runs, but they were too late to act as markers for the rest of the force, all of which attacked on GEE/DR. Six 4,000lb. bombs were dropped. From this and all other operations on this night, all aircraft returned safely.

Aachen 6 Mk.I Mosquitos were despatched to Aachen. 4 made successfully controlled runs, and a fifth attacked on key-off. The sixth reached the target, but its device failed, and it returned with its bombs.

Oberhausen 3 Mk.I Mosquitos attacked Gutchoffnungshutte No. 3. at Oberhausen, all dropping 4,000 lb. bombs on OBOE.

Minelaying 18 Stirlings were detailed to lay mines in the Bay of Biscay and the Channel. 14 completed their task, laying 66 mines.

Leaflets 4 Wellingtons scattered leaflets over Northern France.

Fighter operations 3 Mosquitos of 100 Group were sent on SEARCHLIGHT operations. No combats were reported.

Special operations 1 aircraft carried out a net. recce. flight, and another a special sortie over the Continent.

WEATHER FORECAST

Bases:- 7-10/10ths. strato-cumulus over all operational Groups until tonight; base 1,500-2,000'. If cloud breaks, there will be visibility problems; but at least half the airfields should remain fit.

Germany:- Between 08-15°E., and N. of 51°N.: little cloud, and good visibility. Further E. and S., cloud will increase and thicken, in several places. Berlin: 8-10/10ths., perhaps to great heights. Kiel: clear.

France:- Much strato-cumulus in N. and N.W. Little cloud in S.W. Continent - Nantes: well broken cloud.

STATISTICS

	Bomb- ing	Mining	Other Ops.
No. of aircraft despatched.....	36	18	8
" " " reporting attack on prim. area.....	33	14	7
" " abortive sorties.....	3	4	1
" " aircraft missing.....	0	0	0

WEATHER EXPERIENCED

Bases:- Pit throughout operational period, with variable cloud and moderate visibility.

Ruhr:- Very little cloud; patches of 5/10ths. in Cologne area.

.... /St. Malo, La Pallice, Griende:-

St. Malo, La Pallice, Gironde:- No cloud. Moderate to good visibility.

Cherbourg, Le Havre:- Variable cloud, base 2-3,000'.

ENEMY DEFENCES

11. No fighters were seen. Accurate and intense heavy flak was met Cologne and Oberhausen, co-operating with many searchlights.

CASUALTIES

12. All aircraft returned safely. One Mosquito was slightly damaged over Cologne, and another over Oberhausen.

MLM/JT.
BC/S. 26342/6/ORS4,
26th. June, 1944.

TARGET	GROUP	TYPE	SORTIES	RESULTS				DROPPED	PLACED	FALLS	KILL. INC. BYTES	NOT DNR TO K/L	REASON	NOT PLACED	RESULTS	
				PRD. .800	AREA	OVER N.T.	NOT OVER S.T.								B.E.	Inc.
COLOGNE	BPTV	Mosq. IX	2	1	-	1	-	1	-	-	-	-	-	-	27.0	.2
		Mosq. XI	2	1	-	1	-	-	-	-	-	-	-	-	-	-
		Mosq. IV	14	14	-	-	-	-	-	-	-	-	-	-	-	6x1,000 lbs.
		Mosq. IX	1	1	-	-	-	-	-	-	-	-	-	-	-	-
		Mosq. XVI	6	6	-	-	-	-	-	-	-	-	-	-	-	-
		Mosq. XX	2	2	-	-	-	-	-	-	-	-	-	-	-	
COLOGNE TOTAL			27	25	-	1	1	-	1	-	-	-	-	-	-	-
OB	B	Mosq. IX	4	3	-	1	-	-	-	-	-	-	-	-	4.5	-
		Mosq. IV	2	2	-	-	-	-	-	-	-	-	-	-	-	-
OB TOTAL			6	5	-	1	-	-	-	-	-	-	-	-	-	-
OB	B	Mosq. XVI	3	3	-	-	-	-	1	-	-	-	-	-	5.4	3x1,000lb
OB TOTAL			3	3	-	-	-	-	1	-	-	-	-	-	-	-
MILDELYN			18	14	-	1	3	-	-	-	-	-	-	-	66	incas
ST. MALO	J	Str.	4	1	-	-	-	-	-	-	-	-	-	-	2	incas
		Str.	2	1	-	1	1	-	-	-	-	-	-	-	6	incas
		Str.	2	1	-	1	1	-	-	-	-	-	-	-	12	incas
		Str.	3	1	-	1	1	-	-	-	-	-	-	-	2	incas
MILDELYN TOTAL			18	14	-	1	3	-	-	-	-	-	-	66	incas	
BPTV	100	Mosq.	3	2	-	-	1	-	-	-	-	-	-	-	-	-
BPTV	92	Well. X	4	4	-	-	-	-	-	-	-	-	-	-	-	-
MPT	10	Mosq.	1	1	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL			62	54	-	3	5	-	2	-	-	-	-	-	-	-
* SPECIAL OPS.			100	Various	1	-	-	-	-	-	-	-	-	-	-	-

* NOT INCLUDED IN GRAND TOTAL.

BOMBER COMMAND REPORT ON NIGHT OPERATIONS

22/23rd. MARCH, 1944.

FRANKFURT; Berlin; Hannover; Oberhausen; Dortmund; Airfields;
Minelaying; etc.

SUMMARY

Frankfurt was heavily attacked for the second time within 5 nights. There was a thin cloud over the target, with dense patches drifting over. The marking was accurate at first, but later the bombing spread outside the target to the east and west. Heavy damage was however, caused. The fighters were deceived by the night attacks on Berlin and Hannover, and by a large minelaying operation in the Baltic, and never intercepted the bomber stream in strength. 33 aircraft (2.5% of the total force of 816) were lost.

As well as the attacks on Berlin and Hannover, Mosquitos bombed airfields in the Low Countries and industrial targets in western Germany. 321 mines were laid in Kiel Bay and the Fehmarn Channel, and our fighters destroyed 4 enemy fighters and damaged 2 others. One fighter did not return.

WEATHER FORECAST

Midnight frontal positions:- Feeble warm front Orkney - St. Abbs - Bristol
rest.

Bases:- Fit all night, apart from local smoke. Much strato-cumulus in
at 2,000'. 2 miles visibility or more until 0200.

Germany:- Broken strato-cumulus, with clear areas inland between 05-10°E.
Frankfurt: less than half covered. Kiel: 1/2 cover. Little or no upper cloud.

FRANKFURTDESCRIPTION OF ATTACK

Route See route map.

Method of attack The attack was planned as a NEWLIVEN with emergency marking. The blind marker illuminators, if there was less than 7/10ths. cloud, were to drop green T.I. and white flares; if more than 7/10ths., green T.I. and P flares (red with yellow stars). If their H2S was u/s, they were to hold their T.I. and act as Supporters. Visual markers were to mark the exact aiming-point with salvoes of large green and red T.I.; if unable to achieve positive identification, they were to hold their markers and bomb blindly, or aim at the centre of greens or of skymarker flares. Blind backers-up were to aim bombs blindly (no markers) at the centre of all T.I., if a NEWLIVEN was in progress. If there was thick cloud, they were to drop skymarkers blindly. If H2S was u/s, they were to aim bombs at skymarkers. Visual backers-up, in the event of a NEWLIVEN, were to keep the aiming-point marked with red T.I., aimed at the centre of all mixed salvoes or, if none were visible, at the centre of all T.I., with 1-second overshoot. If cloud obscured T.I., they were to hold their markers and bomb blindly or on skymarkers on a heading of 190°. Supporters were to bomb blindly if possible, otherwise visually, on a good D.R., or at the centre of T.I. skymarkers. Main force aircraft arriving early were to aim at the mixed salvoes if possible, otherwise at the centre of reds. If there was thick cloud, they were to bomb the centre of skymarkers on the above heading.

...../Timing.

6.	<u>Timing</u>	<u>Zero hour: 2150</u>	<u>Duration of attack: 2145-2204</u>	SECRET
	Blind marker illuminators.	24 @ z - 5		
	Visual markers.	6 @ z - 3		
	Blind backers-up.	20 @ z to z + 14		
	Visual backers-up.	27 @ z to z + 14		
	Supporters.	67 @ z - 5		
	Main force.	130 @ z to z + 3		
		128 @ z + 2 to z + 5		
		129 @ z + 5 to z + 8		
		129 @ z + 8 to z + 11		
		130 @ z + 11 to z + 14		
		24 EC aircraft throughout the attack.		

7. Tactics 3 Y-Mosquitos were to drop green E.I., first on Hannover, and then on Berlin. 7 Mosquitos were to attack Hannover, while 9 others were to drop WINDOW and spoof fighter forces near Hannover and then bomb Berlin. At zero - 10, 9 Mosquitos were to start dropping 4 bundles of WINDOW per minute for the last 20 miles to Frankfurt, bomb the A/P visually or on D.R., and then drop WINDOW out. Main force aircraft were to drop WINDOW at the usual rates (one bundle per minute, but 2 within 30 miles of the A/P). 3 Mosquitos were to drop 4,000 lb. bombs on Frankfurt at zero + 50, + 60 and + 70.

SORTIES

8.	No. of aircraft despatched.....	816
	" " " reporting attack on primary area.....	741(91%)
	" " " " " alternative area.....	9(1%)
	" " abortive sorties.....	33(4%)
	" " aircraft missing.....	33(4%)

WEATHER EXPERIENCED

9. Bases:- Fit all night, with much cloud as forecast and moderate visibility.

Route:- 9/10ths. strato-cumulus over sea, breaking to 5-7/10ths. overland, with good clearances in target area.

Target:- Very variable thin strato-cumulus, average 5/10ths., tops 8,000'. Patches of 10/10ths. drifted over. Moderate to good visibility. No moon.

Winds at 21,000':- 360°/45 n.p.h. at bases, veering and increasing to 020°/90 n.p.h. at 05-09°E., and then backing to 005°/90 n.p.h. at target. Northerly surface wind, 10-15 n.p.h.

NIGHT PHOTOGRAPHIC STATISTICS

10.	No. of aircraft plotted in target area (ground detail....11).....	106
	(fire tracks.....95)	
	" " " " off " " (ground detail....48).....	303
	(fire tracks..... 255)	
	" " " estimated to have bombed in target area (max....189)....	167(52%)
	(min....106)	
	" " " " " " within 3 miles of A/P(max...510)....	450
	(min...286)	

...../NARRATIVE OF ATTACK.

RELATIVE OF ATTACK

The first 6 salvoes of T.I., dropped between 2144-2148, all fell within a mile of the A/P - 5 on the N. bank of the river and 1 on the S. bank. A minute later, 2 groups of T.I. were seen to burst 4-4½ miles due S., at Neuenburg. In the next 3 minutes, T.I. were dropped up to 1½ miles S. of the starting-point; then, at 2153, 6 salvoes fell in the S. and S.W. of the town, and in the east docks area. By this time, a large concentration of incendiaries had become established in the centre of the town on both banks of the river. Later bombing spread far outside the city to the S. and W., with particular concentrations in the Eschborn area, (5½ miles N/W) and at Rodenheim (3 miles N.W.).

RECONNAISSANCE

Considerable damage was revealed as a result of this attack and that delivered on the night of 18/19th. March. Details have been given in Night Report No. 556.

ENEMY DEFENCES

Ground defences Over the target, heavy predicted flak was reported in the early stages of the raid, but this soon changed to a moderate barrage of 17-25,000'. This was rather more accurate than on the previous visit. Searchlights were very active between Frankfurt and Mannheim, coming down in opposition was met from the usual defended areas on and off the route. 9 aircraft were seen shot down by flak: 4 over the target and 5 en route, at Osnabruck, Detmold, Darmstadt, Trier and Charleroi.

Fighters German fighters made considerable efforts to intercept our aircraft en route, but despite their complex movements, they nowhere made a concentrated attack, and appear never really to have found the stream. Those based in Holland were airborne an hour before the bombers reached the coast, and were ordered to fly on the Lorenz beam (believed to be directed from the Helder) so as to meet our aircraft over the North Sea. They soon, however, abandoned this technique and, after a few combats in the Emden area, and then near Osnabruck, were deceived by the feint raid into making a large-scale effort around Hannover. The controllers announced that this was the main target, and did not direct their aircraft to Frankfurt until 17 minutes after the first bombers had gone down there. Only 10 combats were reported over the target, and intermittent opposition was met on the homeward route as far as Charleroi. 13 bombers were seen destroyed in combat: 11 on the way out, (1 at Loewarden, N.E. of Osnabruck and 5 on the southerly leg); 3 over the target; and 5 in the Liege-Namur area on the way home. Additional diversions were provided by the minelaying operation in the Baltic, the attack on Berlin, and the unusually northerly direction of the first half of the route, both of which must have suggested to the enemy that an attack on Berlin was to be made, following up the daylight assaults on the previous day.

ENEMY AIRCRAFT DESTROYED

3 fighters were destroyed; a Me. 109 by a 4 Group Halifax near Osnabruck, an unidentified single-engined aircraft by a 5 Group Lancaster near Bielefeld, and a Me.110 by a Mosquito of 100 Group.

RESULTS

16.	No. of aircraft missing.....	33 (4.0.)
	" " " damaged (flak..... 14)	}..... 40
	(fighter.....10)	
	(Brit.incendiaries. 9)	
	(other causes..... 7)	

28 losses can be accounted for: 9 to flak and 19 to fighters. Another was probably lost to flak on the way out from the target. No serious landing or taxiing accidents occurred, but one returning Lancaster was irreparably

...../damaged by fighter

damaged by fighter attack.

BERLIN

17. 11 non-OBOE Mosquitos (including 3 Y-aircraft) carried out a diversionary raid on Berlin. All the Y-aircraft dropped markers on H2S, but their efforts were rather scattered, and most of the others bombed on D.R. From this and other Mosquito operations on this night, except that on Deelen, all our Mosquitos returned undamaged.

HANNOVER

18. 7 non-OBOE Mosquitos made another diversionary attack, against Hannover. They attacked the green T.I. dropped by the same Y-aircraft which later led a raid on Berlin. Six 4,000lb. bombs were dropped.

OBERHAUSEN

19. 2 Mk.I Mosquitos were sent against the Gatcheffnungshutte steel works at Oberhausen. One attacked on OBOE, the other on D.R. Both dropped 4,000lb. bombs.

DORTMUND

20. 2 ALBUM LEAF Mosquitos attacked the Hoesch steel works at Dortmund, on OBOE.

LEEUWARDEN

21. 4 OBOE Mosquitos (2 Mk.I, 1 PENWIPER and 1 FOUNTAIN PEN) attacked Leeuwarden airfield by means of their precision devices.

DEELEN

22. 3 FOUNTAIN PEN Mosquitos were sent against the airfield at Deelen. 2 made successfully controlled runs; the third failed to attack, and crashed on return, killing the pilot.

VENLO

23. 7 Mk. I Mosquitos were despatched to Venlo. 6 made successfully controlled runs; the seventh experienced OBOE failure, and bombed the Duisburg area.

TWENTE

24. 2 ALBUM LEAF Mosquitos attacked Twente airfield on OBOE.

JULIANDORF

25. 2 Mk.I and 2 PENWIPER Mosquitos were detailed against Juliardorf. They attacked the primary, the Mk.I aircraft on OBOE and the PENWIPERS on D.R.

HINDELING

26. 146 Stirlings and Halifaxes were sent to lay mines in the Pohnarn Channel and Kiel Bay, and thus to divert the fighter controllers from the main bomber force going to Frankfurt. 135 reached their targets, laying 321 mines. None was lost, but one Halifax was wrecked in a landing accident, and another ditched because of engine failure. As stated above, the diversion was most successful. The minelayers met no fighter opposition.

WELLINGTONS

27. 18 Wellingtons, out of a force of 20 despatched by Training Groups, dispersed leaflets over allotted areas in Northern France. All returned safely.

..../FIGHTER OPERATIONS.

FIGHTER OPERATIONS

16 Mosquitos of 100 Group set out on SEPARATE patrols. 11 completed sorties, destroying 1 Me.110 and damaging 1 Me. 210. At the same time, Mosquitos of 2 Group patrolled enemy airfields, without encountering any hostile aircraft; and 16 Mosquitos of A.D.G.B. patrolled and attacked other fields, destroying 2 aircraft on the ground and damaging 3 others. One Mosquito of A.D.G.B. was lost, probably to an enemy fighter.

SPECIAL OPERATIONS

16 aircraft took off on special sorties over the Continent. 7 were successful. All returned safely.

MET. RECCE.

1 Mosquito of 8 Group completed a met. recce. flight without incident.

JT.
S. 26342/2/ORS4,
1. June, 1944.

LIGHT	GROUP	INCRPT TYPE	SORTING	% REPORTING		EXCISE SORTING		Kilos- INC	D.L.S				INTERCEPTIONS		RESULTS		
				PRIM. JRS.	SEC. JRS.	OVER K.T.	NOT OVER K.T.		PLC.	PARSER	INT. INC. RCHD	NOT DUE TO R/A	ATLACK- ED	NOT ATLACK- ED	HR.	Inc.	
MILITARY	BPM	Lanc. III	74	67	1	-	2	4	2	-	-	-	-	-	-	1310.2	1914.7
		M.F.	10	10	-	-	-	-	-	-	-	-	-	-	-	19x3000lbs.	
	1	Lanc. I	49	40	-	-	1	-	2	-	-	-	-	1	-	-	-
		Lanc. III	145	134	-	-	6	1	1.3	2.2	1.0	1.0	3	4	-	-	-
	3	Lanc. I	19	18	-	-	1	-	1	1.3	-	-	1	-	-	-	-
		Lanc. II	42	36	1	2	1	2	1+10+8	1.0	1.0	6	7	-	-	-	
		Lanc. III	10	10	-	-	-	-	1	-	-	-	-	-	-	-	
	4	Hal. III	112	97	3	1	7	1	2.3+12	3	-	6	6	-	-	-	
		Supp.	4	4	-	-	-	-	-	-	-	-	-	-	-	-	
	5	Lanc. III	26	24	1	-	-	1	1.3	-	1.0	-	-	-	-	-	
		Lanc. I	66	64	-	-	-	2	1	1.3	1	1	1	1	9	-	
	6	Hal. III	72	65	-	1	3	3	1	-	1+1.0	-	2	0	-	-	
		Lanc. II	27	22	-	-	1	4	1	-	-	-	-	2	-	-	
	MILITARY TOTAL			816	741	9	5	20	33	14	12+10+7.0+1	4.0+5	0.0+1	21	40	-	-
BRLEN	8	Mosq. IV	5	5	-	-	-	-	-	-	-	-	-	-	7.6	.4	
		Mosq. IX	4	4	-	-	-	-	-	-	-	-	-	-	-	-	
		Mosq. XX	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
BRLEN TOTAL			11	11	-	-	-	-	-	-	-	-	-	-	-	-	
ILNOVER	3	Mosq. IV	1	1	-	-	-	-	-	-	-	-	-	-	11.6	.2	
		Mosq. XVI	6	6	-	-	-	-	-	-	-	-	-	-	6x1,000lbs.	-	
ILNOVER TOTAL			7	7	-	-	-	-	-	-	-	-	-	-	-	-	
ORANGE	0	Mosq. XVI	2	2	-	-	-	-	-	-	-	-	-	-	3.6	2x100 lbs.	
DOY BND	0	Mosq. XVI	2	2	-	-	-	-	-	-	-	-	-	-	2.2	-	
LESLIDGE	8	Mosq. IX	3	3	-	-	-	-	-	-	-	-	-	-	3.6	.2	
		Mosq. XVI	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
LESLIDGE TOTAL			4	4	-	-	-	-	-	-	-	-	-	-	-	-	

22/23rd. March, 1961. (contd)

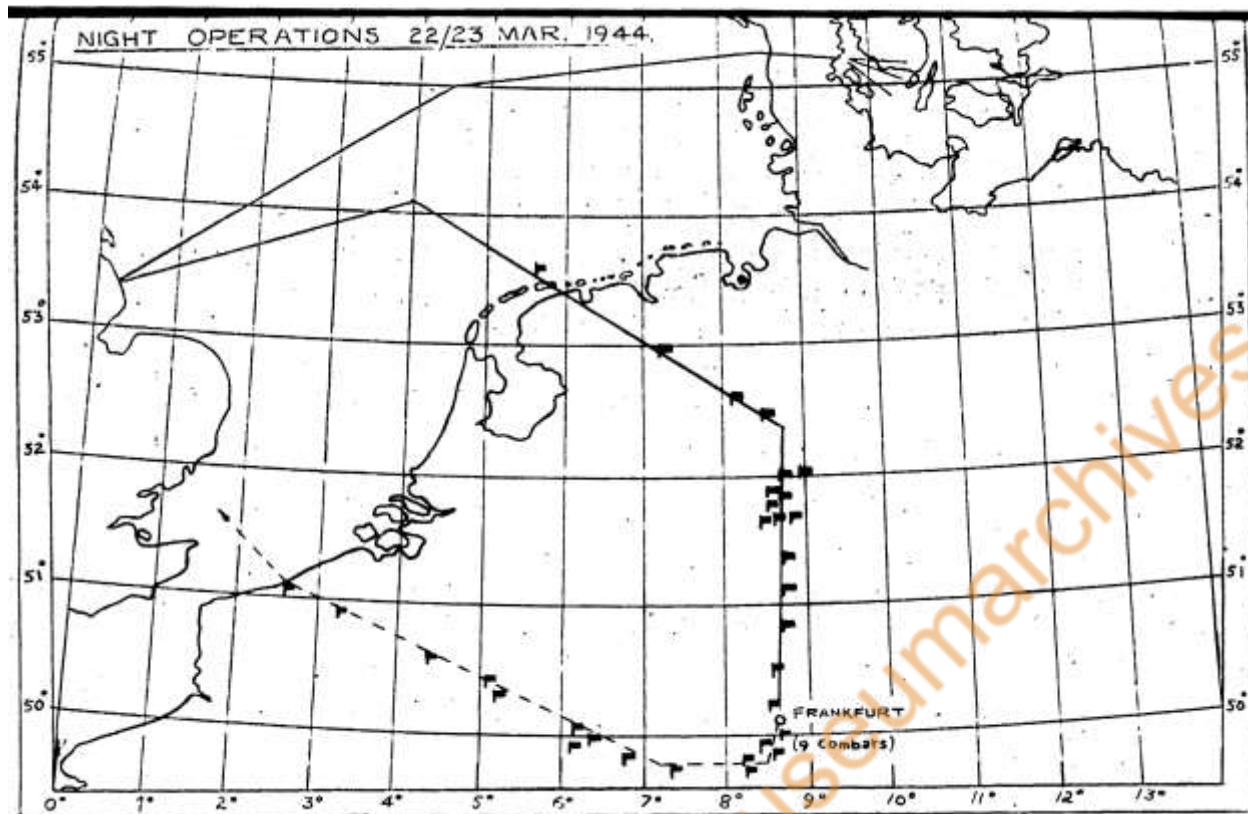
LIGHT	GROUP	INCRPT TYPE	SORTING	% REPORTING		EXCISE SORTING		Kilos- INC	D.L.S				INTERCEPTIONS		RESULTS	
				PRIM. JRS.	SEC. JRS.	OVER K.T.	NOT OVER K.T.		PLC.	PARSER	INT. INC. RCHD	NOT DUE TO R/A	ATLACK- ED	NOT ATLACK- ED	HR.	Inc.
BRLEN	8	Mosq. IX	3	2	-	1	-	-	-	-	-	18	-	-	2.5	-
VIFLO	8	Mosq. IV	2	2	-	-	-	-	-	-	-	-	-	-	6.7	-
		Mosq. IX	4	3	1	-	-	-	-	-	-	-	-	-	-	-
		Mosq. XVI	1	1	-	-	-	-	-	-	-	-	-	-	-	-
VIFLO TOTAL			7	6	1	-	-	-	-	-	-	-	-	-	-	-
TJAGE	0	Mosq. IX	1	1	-	-	-	-	-	-	-	-	-	-	2.2	.2
		Mosq. XVI	1	1	-	-	-	-	-	-	-	-	-	-	-	-
TJAGE TOTAL			2	2	-	-	-	-	-	-	-	-	-	-	-	-
JULLANDORF	0	Mosq. IV	1	1	-	-	-	-	-	-	-	-	-	-	4.0	-
		Mosq. IX	3	3	-	-	-	-	-	-	-	-	-	-	-	-
JULLANDORF TOTAL			4	4	-	-	-	-	-	-	-	-	-	-	-	-
BOLDING TOTAL			858	781	10	6	30	33	14	12+10+7.0+1	4.0+5	10+0+1	21	40	-	-
LESLIDGE	3	Stir.	18	16	-	2	-	-	-	-	-	-	-	-	63	minutes
KEL BAY	4	Hal.	54	50	-	4	3	-	-	-	-	-	-	-	121	minutes
KEL BAY	5	Hal.	74	69	-	5	1	-	-	-	-	-	-	-	137	minutes
LESLIDGE TOTAL			146	135	-	7	4	-	-	-	-	-	-	-	321	minutes
LEAPLETS	92	Well. III	1	-	-	1	-	-	-	-	-	-	-	-	-	-
		Well. X	6	6	-	-	-	-	1	-	-	-	-	-	-	-
		Well. 10	2	2	-	-	-	-	-	-	-	-	-	-	-	-
		Well. III	4	3	-	-	1	-	-	-	-	-	-	-	-	-
		Well. X	7	7	-	-	-	-	-	-	-	-	-	-	-	
LEAPLET TOTAL			20	18	-	2	-	1	-	-	-	-	-	-	-	-
SEBRATE	100	Mosq.	16	11	-	5	-	-	-	-	-	-	-	-	-	-
NEW BRICK	8	Mosq.	1	1	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL			1013	946	10	11	41	33	18	12+10+7.0+1	4.0+5	10+0+1	21	40	-	-

LIGHT	GROUP	INCRPT TYPE	SORTING	% REPORTING		EXCISE SORTING		Kilos- INC	D.L.S				INTERCEPTIONS		RESULTS	
				PRIM. JRS.	SEC. JRS.	OVER K.T.	NOT OVER K.T.		PLC.	PARSER	INT. INC. RCHD	NOT DUE TO R/A	ATLACK- ED	NOT ATLACK- ED	HR.	Inc.
W/FIELDS	2	Mosq.	11	-	-	-	-	-	-	-	-	-	-	-	-	-
W/FIELDS	100	Mosq.	16	-	-	-	-	-	-	-	-	-	-	-	-	-
SEC. OPS.	100	Various	16	-	-	-	-	-	-	-	-	-	-	-	-	-

* NOT INCLUDED IN GRAND TOTAL

G.R.3.3.

LEAPLETS:- LILLE: ROUBAIN: YOURCOUD. LON.I: OFFERIDGE: CREL: VRI: FLEK: P.R.I: BRUNELIS:



BOMB PLOT NOT AVAILABLE

www.bombercommandmuseumarchives.ca

BOMBER COMMAND REPORT ON NIGHT OPERATIONS

23/24th. MARCH, 1944.

LaON: Lyons: Dortmund: Oberhausen: Linelayn: etc.MARY

143 aircraft were sent against the marshalling yards at Laon. The first of attackers found T.I. burning within 200 yards of the aiming-point, and covered a concentrated attack in clear weather. All the markers for the lead wave failed, and the aircraft which should have followed them brought their bombs back. Heavy damage was caused. 2 aircraft were lost.

A small force of Lancasters attacked the aircraft components factory at Lyons with devastating effect. Mosquitos bombed Oberhausen, Dortmund and fields in the Low Countries, while other aircraft laid mines, dispersed flares and carried out fighter patrols. One fighter was lost.

WEATHER FORECAST

Bases:- Cloud will disperse, and fog may become widespread after 0100 hrs. 3, 4, 6 and 8 Groups should retain moderate visibility until that time. and diversions in East Anglia and southern England.

Germany:- Little cloud in Central Germany. Broken medium and strato-cumulus over N.W. coast; variable cloud in S. and E. Moderate visibility.

France:- Fine weather. Little cloud, except in N.W., where there will be broken strato-cumulus. Laon: no low cloud, 5/10ths. or less thin medium cloud at 18,000'.

LaONPLAN OF ATTACK

Route Selsey Bill - 494°N. 0015E. - 4900N. 0320E. - Target - 4940N. 0302E. - 4944N.0015E - Selsey Bill.

Method of attack - OBOE Mosquitos (2 + 2 reserves on each of Channels 1 and 3) were to mark the aiming-point with red T.I., and 2 on each of Channels 11 and 12 with green T.I. The main force were to aim at reds if possible, otherwise at the less accurate greens. Line of approach: 198°. Bombing height: 14,000'.

Timing Zero hour: 2200

Duration of attack: 2158-2218.

4 Mosq. from z - 2 to z + 1 (1 per minute)
72 a/c from z to z + 6

4 Mosq. from z + 10 to z + 13 (1 per minute)
61 a/c from z + 12 to z + 18

WINDOW Mosquitos were to drop 24 bundles each in the target area. Main force aircraft: 2 bundles per minute within 30 miles of the target, and one per minute between that radius and 5000N. on both outward and return routes.

...../SORTIES.

SORTIES

8.	No. of aircraft despatched.....	143
"	" " " reporting attack on primary area.....	72 (50.3)
"	" " abortive sorties.....	69 (48.3)
"	" " aircraft missing.....	2 (1.4)

WEATHER EXPERIENCED

9. Bases:- Much strato-cumulus during operational period. Local smoke troubles in Linz. and East Anglia.

Route and target:- Cloudless. Moderate visibility. No moon.

NARRATIVE OF ATTACK

10. The attack of the first wave was concentrated around the markers of the first Mosquito to attack, which dropped its T.I. 100 and 200 yards W. of the aiming-point. 2 other markers failed in this wave, and the fourth was a mile off the target. In the second wave, all the markers failed, and all aircraft brought back their bombs.

DAY RECONNAISSANCE

11. 2 concentrations of craters occurred in the yards, one in the centre of the target and the other in the N.W. In the former area, 20 direct hits were scored on the converging lines at the exits from the sorting sidings; and in the latter, a similar number on the lines serving the locomotive repair shops. The loop railway line encircling the W. end of the yards was cut in several places; and numerous small sheds and buildings were destroyed or damaged.

ENEMY DEFENCES

12. Less than a dozen fighters were seen, and no attacks were reported. No searchlights exposed at Laon, and there was little flak.

CASUALTIES

13. 2 Halifaxes were lost without trace.

LYONS

14. 20 Lancasters of 5 Group were detailed to attack the SIGMA aero-engine components works at Lyons. The target was clear of cloud, and the leader placed his markers in the middle of the factory. 13 other aircraft bombed the markers accurately; 6 attacked alternative targets in France. Reconnaissance could not be obtained until a second attack had been delivered on 29/30th. March, when it showed that the works had suffered very grave damage. From this, as from all other subsidiary operations on this night, all aircraft returned undamaged.

DORTMUND

15. 13 Mosquitos (2 ALBUM LEAF and 11 non-OBCE) were sent against the town of Dortmund. Both the OBCE aircraft made successfully controlled runs, and the other 11 aircraft dropped 4,000lb. bombs on their markers. The bombing was reported to be well concentrated.

OBERHAUSEN

16. 2 Mk.I Mosquitos were despatched against Gutchoffnungshutte A.G. at Oberhausen. One attacked on OBCE; the other abandoned its task for technical reasons.

MINELAYING

17. 2 Stirlings each laid 5 mines E. of Ushant, without incident.

..../E.FLETS.

LEAFLETS

6 Whitleys scattered leaflets over allotted areas in Northern France.

FIGHTER OPERATIONS

3 Mosquitoes of 100 Group completed SERRATE patrols, without making any interceptions. A fourth was lost without trace. 6 Mosquitoes of 2 Group attacked airfields in the Low Countries; and 1 of 8 Group carried out a net reconnaissance flight.

SPECIAL OPERATIONS

5 aircraft of 100 Group made special sorties over the Continent.

/JT.
S. 26342/2/OR34,
E. June, 1944.

THEATRE	GROUP	TYPE	SORTIES	APPLIED				TOTAL	REMARKS	REMARKS	REMARKS	REMARKS	REMARKS	
				PRELIM.	ACT.	OV.	RES.						Itc.	Inc.
LOW	8277	Mosq. IV	1	-	-	1	-	-	-	-	-	-	290.3	.4
		Mosq. IX	7	3	-	-	-	-	-	-	-	-	-	-
		Mosq. XVI	4	2	-	1+1*	-	-	-	-	-	-	-	-
		Stir.	48	24	-	23	1	-	-	-	-	-	-	-
		Bul.	32	15	-	11	4	2	-	-	-	-	-	-
		Bul.	51	20	-	22	1	-	1	-	-	-	-	
LOW TOTAL			143	72	-	62+1*	6	2	2	-	-	-	-	-
LYONS	5	Lanc. I	10	10	-	-	-	-	-	-	-	-	63.4	1.1
		Lanc. III	10	4	6	-	-	-	-	-	-	-	-	-
LYONS TOTAL			20	14	6	-	-	-	-	-	-	-	-	-
DORCHES	8277	Mosq. IX	1	1	-	-	-	-	-	-	-	-	20.5	.3
		Mosq. XVI	1	1	-	-	-	-	-	-	-	-	1144,000lb.	-
		Mosq. IV	3	3	-	-	-	-	-	-	-	-	-	-
		Mosq. XVI	8	8	-	-	-	-	-	-	-	-	-	-
DORCHES TOTAL			13	13	-	-	-	-	-	-	-	-	-	-
ORCHES	8	Mosq. IX	1	1	-	-	1	-	-	-	-	-	1.8	-
		Mosq. XVI	1	1	-	-	-	-	-	-	-	-	144,000lb.	-
ORCHES TOTAL			2	2	-	-	1	-	-	-	-	-	-	
ORCHES TOTAL			15	100	6	62+1*	7	2	2	-	-	-	-	-
HINDLING														
E. of USUNT			2	2	-	-	-	-	-	-	-	-	10 miles	-
LE. FLEETS			91	6	6	-	-	-	-	-	-	-	-	-
SKULLS			100	4	3	-	-	1	-	-	-	-	-	-
WST. WIDE			8	1	1	-	-	-	-	-	-	-	-	-
GRAND TOTAL			191	112	6	62+1*	8	2	2	-	-	-	-	-
DORCHES			2	6	-	-	-	-	-	-	-	-	-	-
ORCHES			2	5	5	-	-	-	-	-	-	-	-	-
WST. WIDE			100	5	-	-	-	-	-	-	-	-	-	-

O. R. 2. 3. Reserve a/c not required. * NOT INCLUDED IN GRAND TOTAL.
LEAFLETS: - ORCHES: - DORCHES:

RAID TRACKS AND BOMB PLOTS NOT AVAILABLE

BOMBER COMMAND REPORT ON NIGHT OPERATIONS

24/25th. March. 1944.

BASES: Munster; Duisburg; Kiel; Airfields, etc.

CLERY

814 aircraft were sent to Berlin. An exceptionally strong wind caused Pathfinders to overshoot the aiming-point, and the bombing spread outside southern suburbs. Considerable damage was, however, inflicted on the capital, Siemens works at Siemenstadt and 73 other factories being hit. 72 aircraft were lost, of which it is estimated that nearly three-quarters were due to the wind driving many bombers off their course over heavily defended areas.

Mosquitos carried out a feint attack on Kiel, and precision raids on targets at Munster and Duisburg and airfields in the Low Countries. Other Mosquitos were used as intruder and SERRATE patrols, destroying 3 enemy aircraft and damaging 4 others for the loss of one British fighter. A large diversionary sweep was carried out over France, but this did not appear to distract the fighters.

WEATHER FORECAST

Midnight frontal positions:- Weather warm from 60°E. 03E. - 55°E. 05E. - Frankfurt, becoming cold to Vienna.

Winds:- Fog will develop at 0300 in Friesland and East Anglia, and in Hampshire and Training Groups after 0400. All Groups will have at least half air bases fit until 0800, with 1500 yards visibility or more; and many airfields will hold till 0900.

Germany:- Belt of strato-cumulus along front. E. of the front, patchy cumulus with little or no low cloud. E. of 15°E., on the Baltic coast: broken strato-cumulus and good visibility. Berlin, good chance of clear skies; possibility of 10/10ths. thick strato-cumulus. Better prospects at Brunswick.

France:- Little cloud. Patchy strato-cumulus in N.E.

BERLIN

POINT OF ATTACK

Route See route map.

Method of attack NEWMARK with emergency sky-marking. Blind marker bombers were to drop green T.I. and white flares blindly, if there was less than 7/10ths. cloud; if more, they were to release greens and R/P flares (red and yellow stars). If H2S was u/s, all markers were to hold their T.I. and flares and bomb with the Supporters. Visual markers were to mark the exact aiming-point with mixed salvos of reds and greens. Those blind backers-up were to attack before z + 7 were to aim at the centre of all T.I., if a NEWMARK was in progress. But if cloud had prevented this, they were to drop markers blindly. Later arrivals were to drop both reds and sky-markers blindly. Visual backers-up were to aim reds at the centre of mixed salvos, or at the centre of all T.I., with a 2 second overshoot. Supporters were to bomb blindly, if possible; otherwise after visual identification, or on a good D.E., at the centre of all T.I. or sky-markers on a heading of 217°E. Main force was to aim at the centre of all mixed salvos in the early stages of the

.../...; later, at the centre

raid; later, at the centre of roads. If T.I. could not be seen, they were to bomb on the centre of skymarkers on the above heading.

6. Timing	Zero hour: 2230	Duration of attack: 2225-2245
Blind marker illuminators.	28 @ z - 5	
Visual markers.	6 @ z - 3	
Blind backers-up.	20 @ z - 1 to z + 14	
Visual backers-up	20 @ z to z + 14	
Supporters.	70 @ z - 5	
Main force.	125 @ z to z + 3	
	125 @ z + 3 to z + 6	
	128 @ z + 6 to z + 9	
	125 @ z + 9 to z + 12	
	129 @ z + 12 to z + 15	
	26 ABC aircraft throughout the attack	

7. Diversions 11 Mesquitos (including 1 Y-aircraft) were to drop WENDO ahead of the main force over Denmark, and then bomb Kiel on the markers of the Y-aircraft. These aircraft were to be at 0830 E. by z - 88. At z - 10, 2 Y-Mesquitos were to drop T.I. on Berlin, and 17 other Mesquitos were to attack them. These aircraft were to drop 4 bundles of WENDO per minute from 5300 ft and 2 per minute out of the target. They were also to drop spoof fighter flares S.W. of Berlin. Main force aircraft were to drop 2 bundles of WENDO per minute within 50 miles of Berlin, and one per minute for the rest of both routes. 150 aircraft from Operational and Training Groups were to fly to within a few miles of Paris while the main force was on its way to Berlin; but they were to drop no bombs.

SORTIES

8. No. of aircraft despatched.....	811
" " " reporting attack on primary area.....	660
" " " " alternative area.....	26
" " abortive sorties.....	53
" " aircraft missing.....	72

WEATHER EXPERIENCED

9. Bases:- Strato-cumulus dispersed over Lincs., but persisted E. of a Bircham Newton - Bradwell Bay. Visibility slowly deteriorated everywhere; at all airfields except some in 1, 3 and 5 Groups remained fit until 0300.

Route:- 9-10/10ths. strato-cumulus, tops 5,000', to 07°E. Thence, strato-cumulus broke to small amounts, and the sky was clear until Rostock was reached. Then cloud increased to 6-9/19ths., and became very variable towards the target. On the southerly return route, cloud dispersed 20 miles S.W. of the target, and none was met again W. of Hellen.

Target:- Very variable strato-cumulus, 2-3/10ths., tops 5-6,000'. Moderate visibility. No moon.

Winds at 21,000':- 355°/65 n.p.h. at bases, veering and increasing to 005°/105 n.p.h. at Berlin.

NIGHT PHOTOGRAPHIC STATISTICS

10. No. of aircraft plotted in target area (ground detail.....3)	(fire-tracks.....40)
" " " " off " " (ground detail.....4).....	(fire-tracks.....127)
" " " estimated to have bombed in target area (max....159)(mean)1	(min.... 43)
" " " " " " within 3 miles (max....107)(mean)	(min.... 29)
of A/P./NARRATIVE OF ATTACK

RELATIVE OF ATTACK

A fair concentration of T.I. was achieved, 6 being plotted 1-2 miles E. and S. of the aiming-point, 2 on the Tempelhof airfield (2 miles S.S.W.), and a group of 15, 2-3½ miles S.W. Incendiaries extended over an area stretching from mile N. of the aiming-point to 11 miles S. and S.W., with the main concentration enveloping 3-7 miles S.S.W., as the result of overshooting by the main force, this was probably due chiefly to the powerful north wind. The enemy used many flare markers, which may have contributed to the drift.

RECONNAISSANCE

Photographs obtained on various dates between 25th. March and 11th. April showed numerous fresh incidents of damage in Berlin, as a result of the raid under review and 5 daylight attacks by aircraft of 8th. U.S.A.F. The largest concentration occurred in the S.W. district of Steglitz, where many fires are still burning on the morning of 25th. March. The adjacent districts of Zehlendorf, Schöneberg and Charlottenburg also suffered heavily. 74 factories were affected, including 10 engaged on high priority war work. The great Siemens branch at Siemensstadt was again badly hit, and damage caused to the A.E.G. works at Wedding (priority 1+), Deutsche Industrie Werke at Spandau, Schering A.G. at Wedding, Telefunken G.m.b.h. at Steglitz and the railway repair shops at Tempelhof (all priority 1). 4 gasworks, a power station, markets, slaughterhouses; barracks and hatted camps were among the other affected premises; and very severe damage was caused to a large depot (probably Luftwaffe Signals) in Altow, 10 miles S.W. of Berlin.

ENEMY DEFENCES

Flak At Berlin, the heavy guns fired a slight to moderate barrage from 22,000', with moderate to intense light flak up to 15,000'. Numerous searchlights exposed actively, illuminating the cloud base and forming cones through the gaps. As a result of the unexpectedly strong north wind, many aircraft were engaged over defended areas off track, notably at Sylt, Flensburg, Rostock and the Ruhr on the way out, and at Leipzig, Magdeburg, Munster, Osnabruck, and the Ruhr on the way home. Not less than 45 aircraft are estimated to have been lost to flak; 17 on the outward route, 7 over the target and 21 on the way home. 7 were shot down over the Ruhr, 6 at Sylt, 6 at Osnabruck, 4 at Flensburg and 4 at Magdeburg.

Fighters A diversion to the west of Paris failed to distract the fighter controllers, who concentrated forces at points in the Hamburg-Heligoland area, as well as to the N.W. of Berlin, and fed aircraft into the bomber stream on the way from Sylt to the target. Others were held in readiness to follow the bombers as they left the target. Actually, fighters achieved comparatively little success, because the strong wind that scattered the bomber stream proved unfavourable to consistent interception by fighters. They made 35 attacks, 11ly over the target, and claimed (as far as is certainly known) 18 victims: 1 on the way out at Sylt (2), Flensburg (2), Rostock and Prenzlau, 4 over Berlin and 8 on the way home - 2 S.W. of Berlin, 2 near Magdeburg, 1 at Nordhausen, 1 over Osnabruck and 2 over Holland.

ENEMY AIRCRAFT DESTROYED

3 single-engined aircraft were destroyed: 2 P. I. 190's by a P.F. Lancaster and a 100 Group Mosquito, and an unidentified fighter by a 1 Group Lancaster.

CASUALTIES

72 aircraft (8.9%) were lost. 52 (6.1%) were damaged by flak, 20 (2.5%) fighters, and 17 (2.1%) by non-enemy action. As stated above, it is probable that nearly ½ of the losses were caused by flak, the chief reason for the disproportionate success of the ground defences being the 100 m.p.h. northerly wind, which blew aircraft many miles S. of track over defended areas. In addition to the 72 losses, 2 Halifaxes were wrecked in landing accidents.

MUNSTER

17. 2 ALBUH LEP Mosquitos attacked Munster on OBOE. From this and all minor bombing operations on this night, all aircraft returned undamaged.

DUISBURG

18. 2 Mk.I Mosquitos were sent against Vereinigte Stahlwerke at Duisburg. Both made successfully controlled runs, but one was unable to release its bomb and jettisoned it 15 miles W. of the target. The 4,000 lb. bomb of the other caused a large fire.

KIEL

19. 11 Mosquitos were sent on a diversionary raid against Kiel. 8 attacked the primary; 3 aiming at the T.I. dropped by the Y- aircraft, which aimed its marker visually. Seven 4,000lb. bombs were dropped in the built-up area. 3 other aircraft found themselves carried wide of track by the strong wind, and attacked Hamburg.

VENLO

20. 4 Mk.II Mosquitos (2 PENWIPER and 2 FOUNTAIN PEN) were sent against the airfield at Venlo. One FOUNTAIN PEN made a successfully controlled run; the others all experienced OBOE failure, 2 attacking Gladbach and one Krefeld.

ST. TROND

21. 4 PENWIPER Mosquitos were despatched against the airfield at St. Trond. 3 attacked on OBOE (one undershooting by 3 miles), and the fourth bombed Gilze Rijen on GEE.

JUVINCOURT

22. 3 ALBUH LEP Mosquitos were detailed to Juvincourt. 2 bombed on OBOE; the third abandoned its task, because of OBOE failure.

TWENTE

23. 4 Mk.I Mosquitos were sent against the airfield at Twente. One made a successfully controlled run. All the rest had OBOE failure, and attacked Ling Neuenhaus and Schiittorf respectively.

LEEUWARDEN

24. 4 Mk.I Mosquitos were despatched to Leeuwarden. 3 attacked the airfield on OBOE. The fourth abandoned its task over its base, for technical reasons.

FIGHTER OPERATIONS

25. 10 Mosquitos of 100 Group were sent on SEARCH patrol. 7 completed their sorties, one shooting down a Fw.190 over Berlin. One Mosquito was lost without trace. At the same time, 17 Mosquitos from ...D.F. and 2 from 2 Group carried out intruder patrols, destroying 1 Ju.88 and 1 unidentified aircraft, and damaging 2 Ju.88's, 1 He. 129 and 1 unidentified aircraft. All these Mosquitos returned safely.

SPECIAL OPERATIONS

26. 13 aircraft of 3 and 100 Groups were sent on special sorties over the Continent; and 147 from Operational and Training Groups carried out a diversionary movement over N.W. France, approaching to within a few miles of Paris. All returned safely.

HM/JT.
BC/S. 26342/1/OK4,
19th. June, 1944.

TARGET	GROUP	TYPE	SORTIES	TO		BY		TOTAL	PLAN	FIGHTER	BOMB. EXP. POINTS	NOZ DUS TO %	TOTAL CR-2	TOTAL CR-2	TOTAL	
				TO	BY	BY	BY									
BERLIN	B	Meq. IV	4	4	-	-	-	-	-	-	-	-	-	-	1069.6	1423.5
		Meq. IX	3	2	1	-	-	-	-	-	-	-	-	-	-	-
		Meq. XVI	1	1	-	-	-	-	-	-	-	-	-	-	-	-
		Land. III	70	62	1	1	1	5	4+2C	2	1.C+1B	1.C	2	6	9x8,000lbs.	
	D.F.	Meq. IV	6	6	-	-	-	-	-	-	-	-	-	-	-	-
		Meq. IX	2	2	-	-	-	-	-	-	-	-	-	-	-	-
		Meq. XVI	1	1	-	-	-	-	-	-	-	-	-	-	-	-
		Meq. XX	1	1	-	-	-	-	-	-	-	-	-	-	-	-
	1	Land. I	3	2	-	-	1	1	4+2C	-	1.C+1B	-	-	-	-	-
		Land. III	27	10	-	1	2	5	1+2C	1B	-	-	-	-	-	-
		Land. I	56	45	4	-	2	4	1C	1.C	1.C	2	7	-	-	
		Land. III	93	81	4	3	-	10	2+1C	1+2B+1C	1.C	1	5	-	-	
3	Land. I	19	15	1	-	3	-	1	-	-	1	1	2	-	-	
	Land. II	37	23	3	-	1	5	4	2.C	-	-	5	3	-	-	
	Land. III	7	5	-	-	-	2	-	1+1.C	-	1	1	-	-	-	
4	Land. I	69	55	2	2	1	9	3	-	-	1.C	1	2	-	-	
	Land. III	130	115	2	2	5	6	6+2C	2+5.C	2	2.C	11	6	-	-	
5	Land. I	90	65	1	1	10	13	2+1B	1.C+1B	-	-	2	1	-	-	
	Land. II	23	19	-	3	1	-	2	-	-	-	-	2	-	-	
BERLIN TOTAL			611	660	26	18	35	72	40+1C+1B	6+10.C+1B	2+5.C+2B	2+5.C+2B	36	30	-	-
MUNSTER	0	Meq. IX	2	2	-	-	-	-	-	-	-	-	-	-	-	1.8
DUISBURG	0	Meq. XVI	2	1	1	-	-	-	-	-	-	-	-	-	-	1.8
KIEL	0	Meq. IV	2	2	-	-	-	-	-	-	-	-	-	-	-	13.2
		Meq. IX	1	1	-	-	-	-	-	-	-	-	-	-	-	7x8,000lbs.
		Meq. XVI	8	5	3	-	-	-	-	-	-	-	-	-	-	-
KIEL TOTAL			11	8	3	-	-	-	-	-	-	-	-	-	-	-
WILHELMSHAVEN	0	Meq. IX	4	1	3	-	-	-	-	-	-	-	-	-	-	9
ST. PAULI	0	Meq. IX	4	3	1	-	-	-	-	-	-	-	-	-	-	2.7
WILHELMSHAVEN	0	Meq. IX	3	2	-	-	1	-	-	-	-	-	-	-	-	1.8

26/25th. MARCH, 1944. (CONT'D)

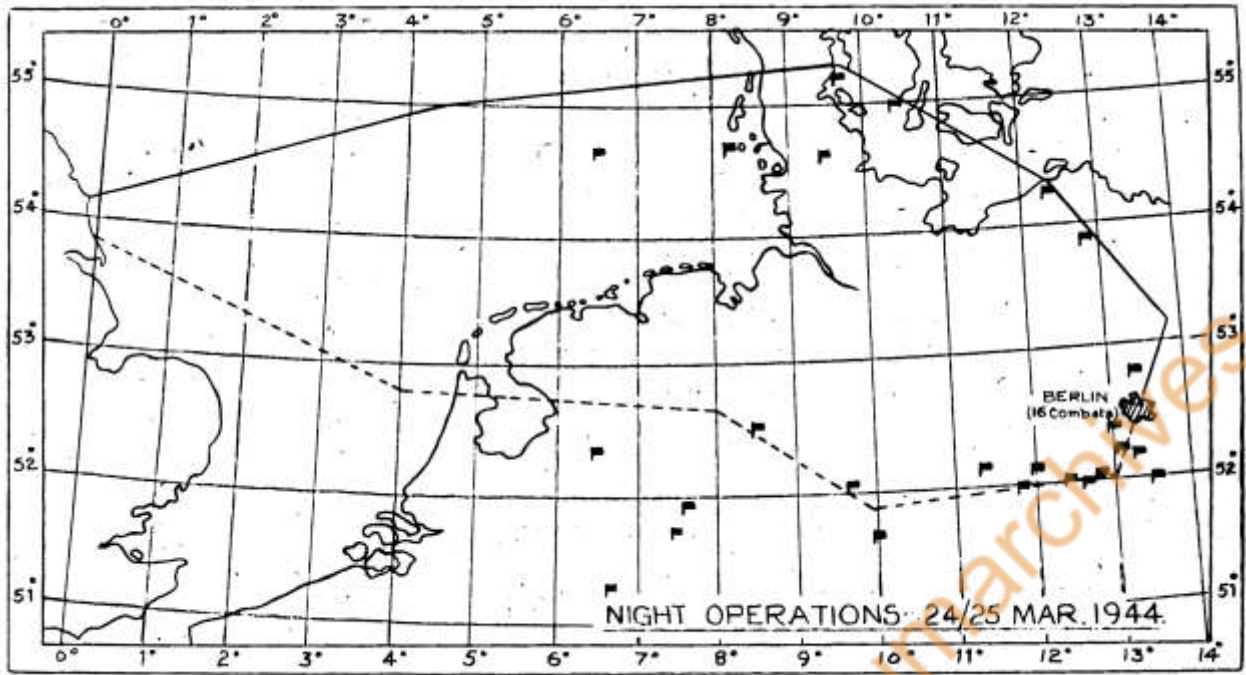
TARGET	GROUP	AIRCRAFT TYPE	SORTIES	A/C REPORTING ATTACKS ON		AGGRESSIVE SORTIES		TOTAL	MILAGE				DIRECTION		POSTURE		
				PLAN	BY	OVER	NOZ		PLAN	FIGHTER	BOMB. EXP. POINTS	NOZ DUS TO %	TOTAL CR-2	TOTAL CR-2	HL	Inc	
WANTER	B	Meq. IX	3	1	2	-	-	-	-	-	-	-	-	-	-	9	
		Meq. XVI	1	-	1	-	-	-	-	-	-	-	-	-	-	-	
WANTER TOTAL			4	1	3	-	-	-	-	-	-	-	-	-	-	-	
WILHELMSHAVEN	B	Meq. IV	3	2	-	-	1	-	-	-	-	-	-	-	-	-	2.7
		Meq. IX	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
WILHELMSHAVEN TOTAL			4	3	-	-	1	-	-	-	-	-	-	-	-	-	
WANTER	100	Meq.	10	7	-	-	2	1	-	-	-	-	-	-	-	-	
GRAND TOTAL			855	660	37	18	39	73	40+1C+1B	6+10.C+1B	2+5.C+2B	2+5.C+2B	36	25	-	-	
WILHELMSHAVEN	2	Meq.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
WILHELMSHAVEN	ADG	Meq.	17	-	-	-	-	-	-	-	-	-	-	-	-	-	
(DIVERSIONARY SWEEP)	Gps & OTU's	Various	147	-	-	-	-	-	-	-	-	-	1	2	-	-	
(LL PLATS)	SEAC	Portress	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
(SPEC. OPS.)	100	Various	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
(SPEC. OPS.)	3	Various	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
SPEC. OPS. TOTAL			13	-	-	-	-	-	-	-	-	-	-	-	-	-	

LL PLATS AT - TOURS: LORETT: GINER: LITONER: BRUSSEL:

O.R.S. 3.

* NOT INCLUDED IN GRAND TOTAL.

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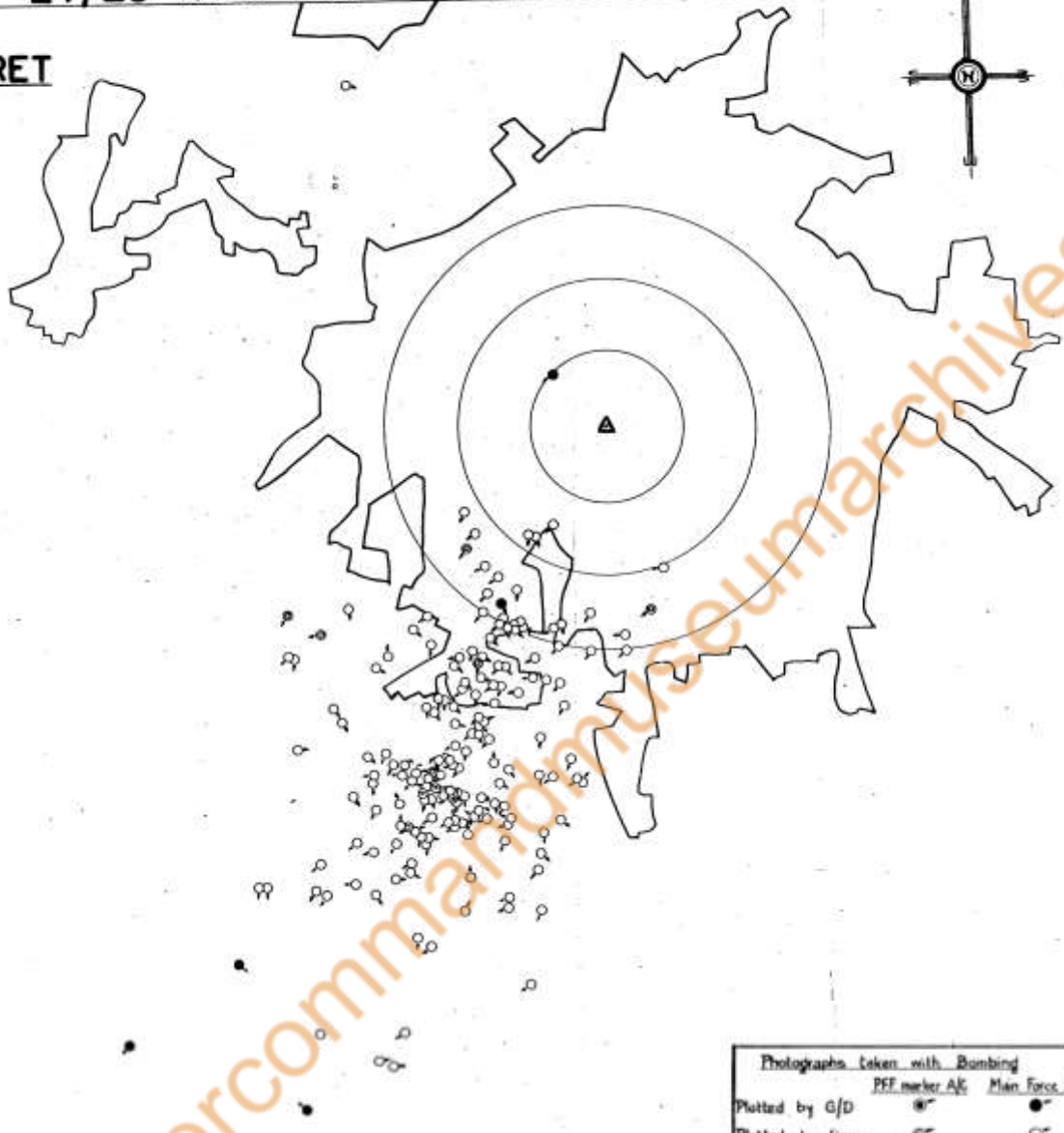
FINAL PLOT OF NIGHT PHOTOGRAPHS

TAKEN 24/25 MARCH 1944

TARGET: BERLIN

513

SECRET



ref: 438 B
18-44 J.J.
Ref. No. 513 (14-18)

Scale: 1 inch = 1 mile

Photographs taken with Bombing		
	PFF. marker A/C	Man Force A/C
Plotted by G/D	●	●
Plotted by fires	○	○
Plotted	By ground detail	By fires
Within target area	2	40
Outside target area	4	127

BOMBER COMMAND REPORT ON NIGHT OPERATIONS

25/26th MARCH 1944

AULNOYE M/Y : Berlin : Hamm : Lyons : Minelaying, etc.

CRY

The marshalling yards at Aulnoye were attacked by 183 aircraft in clear weather. Timing and OBOE serviceability were excellent, but the bombing was frustrated on the slightly inaccurate markers, so that most of the bombs fell wide of the target. Numerous hits were, however, scored on tracks and installations.

Lancasters attacked the aero-engine works at Lyons for the second time within the week, adding to the heavy damage caused by the previous raid. Mosquitos attacked Hamm and a railway bridge at Hamm, and other aircraft laid mines in the Channel and the Sea, dispersed leaflets and carried out fighter patrols. From all these operations, one fighter was lost.

WEATHER FORECAST

Bases:- Mostly fit until 0200. Locally, visibility will fall to 1,500 feet by midnight. Fog will become widespread after 0200.

Germany:- Fine weather, but moderate to poor visibility.

France:- Also fine; but a belt of strato-cumulus will cover the area from the English Channel - W. of Paris - Limoges. Aulnoye: little or no low cloud, perhaps and well broken medium cloud at 12,000' or above. Small amounts of strato-cumulus in Bay of Biscay. 5/10ths and more on Channel coast.

AULNOYEPLAN OF ATTACK

Route: Reading - Selsey Bill - 4945N 0020E - 4940N 0328E - Target - 0358E - 5020N 0330E - 4940N 0220E - 4945N 0020E - Selsey Bill.

Method of Attack: 6 OBOE Mosquitos (2 on each of Channels 1, 3 and 11, with reserves on each Channel) were to mark the aiming-points with red T.I. 2 Mosquitos (reserves) on Channel 12 were to mark with green T.I. Main force aircraft, following on a heading of 185° from the aiming-point, were to aim at reds if visible, otherwise at the less accurate greens.

Timing: Zero hour: 2145

Duration of attack: 2144-2215

4 Mosq. @ z-1 to z+2 (one per minute)
91 a/c @ z to z+6

4 Mosq. @ z+11 to z+14 (one per minute)
88 a/c @ z+12 to z+18

4 Mosq. @ z+23 to z+26 (one per minute)
Reserve period z+24 to z+30

Tactics Aircraft failing to bomb in either of the first 2 waves were to return in the reserve period. If no markers were visible, they were to bring their bombs back. Bombing height: 7-9,000 ft. WINDOW: 2 bundles per minute within 30 seconds of the target, otherwise one per minute.

/SORTIES

LYONS

22 Lancasters of 5 Group attacked the aero-engine works at Lyons, for the 11 time within a week. There was no cloud over the target, and although the markers were inaccurate, subsequent ones were placed on the target, and the bombing was well concentrated around them, centred slightly S.W. of the factory. 2 raids caused heavy damage to the works, as described in Night Raid Report 561.

MINELAYING

14 Stirlings laid 83 mines without incident off Le Havre, St. Malo, Ushant, Dutch coast and the Frisians.

LEAFLETS

5 Wellingtons scattered leaflets over Northern France.

FIGHTER OPERATIONS

7 Mosquitos of 100 Group were sent on SERRATE patrols; and 2 of I.D.C.B. hit airfields in Belgium and N. France. No enemy aircraft were seen. One Mosquito of 100 Group was lost without trace.

EM
26342/2/ORS4
June, 1944

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UNIT	GRADE	TYPE	SERIALS	% REPORTED		% JUVENILE		DIS-ING	SPECIAL				APPROPRIATE		REMARKS			
				PRIM. REL.	SEC. REL.	OVER E.T.	NOT OVER E.T.		PLAID	PLAINT	INIT. INC. NOTES	HOT DUE TO %	PLAID	NOT PLACED	H.E.	Inc		
MUNICIPAL	PT	Mosq-IV	1	-	-	1	-	-	-	-	-	-	-	-	-	806.4	2.1	
		Mosq-IX	10	7	-	3	-	-	-	-	-	-	-	-	-	-	-	
		Mosq-XVI	5	3	-	2	-	-	-	-	-	-	-	-	-	-	-	
		Lanc-I	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Lanc-III	14	14	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Stir.	37	37	-	-	-	-	-	-	-	-	1.05	-	-	-	-	
		Hal.	21	20	-	1	-	-	-	-	-	-	-	-	-	-	-	
		Hal-III	7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Lanc-I	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Lanc-III	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Hal.	50	49	-	1	-	2	-	-	-	1.041B	-	-	4	-		
		Hal-III	14	13	-	1	-	-	-	-	-	-	-	-	3	-		
		Lanc-II	9	9	-	-	-	-	-	-	-	-	-	-	1	-		
MUNICIPAL TOTAL			192	183	-	7	2	-	2	-	-	1.041C	-	-	9	-		
MUNICIPAL	PT	Mosq-IV	1	1	-	-	-	-	-	-	-	-	-	-	-	-	5.8	
		Yoaq-XX	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Yoaq-IV	5	3	-	2	-	1	-	1	-	-	-	-	-	-	-	
		M.F.	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	
		Yoaq-XX	1	1	-	-	-	-	-	-	-	-	-	-	-	-		
MUNICIPAL TOTAL			10	7	1	-	2	-	1	-	-	-	-	-	-	-		
MUNICIPAL	PT	Mosq-IX	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1.8	
		Mosq-XVI	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
MUNICIPAL TOTAL			2	2	-	-	-	-	-	-	-	-	-	-	-	-		
LIONS	5	Lanc-I	12	12	-	-	-	-	-	-	-	-	-	-	-	-	54.2	
		Lanc-III	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	
LIONS TOTAL			22	22	-	-	-	-	-	-	-	-	-	-	-	-		

...../INCL.YING.

25/26th. MARCH, 1944. (CONT'D.)

UNITS	GROUP	INSTR. PT TYPE	SERIALS	% REPORTED		% JUVENILE		DIS-ING	SPECIAL				APPROPRIATE		REMARKS		
				PRIM. REL.	SEC. REL.	OVER E.T.	NOT OVER E.T.		PLAID	PLAINT	INIT. INC. NOTES	HOT DUE TO %	PLAID	NOT PLACED	H.E.	Inc	
MUNICIPAL	3	Stir.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
		Stir.	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
		Stir.	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-
		Stir.	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
		Stir.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
		Stir.	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-
MUNICIPAL TOTAL			14	14	-	-	-	-	-	-	-	-	-	-	-	-	
MUNICIPAL	93	Well-Ic	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
		Well-III	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
		Well-X	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
MUNICIPAL TOTAL			5	5	-	-	-	-	-	-	-	-	-	-	-	-	
MUNICIPAL	100	Yoaq.	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-
MUNICIPAL TOTAL			252	239	1	7	1	3	-	-	-	1.041B +1.05	-	-	9	-	
MUNICIPAL	805BC	Postress	6	6	-	-	-	-	-	-	-	-	-	-	-	-	

RAID TRACK AND BOMB PLOT NOT AVAILABLE

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BOMBER COMMAND REPORT ON NIGHT OPERATIONS26/27th, MARCH, 1944.ESSEN: COURTRAI: Hannover: Juliendorf: Lachen: Mandelaying: etc.OPERATION

705 aircraft were sent to Essen - the first large-scale attacks on the city for 8 months. The OCEC Mosquitos achieved an excellent concentration, and although their markers disappeared through the thick cloud, the bombing was well placed within the town limits. Much fresh damage was caused, including hits on buildings of Krupps. The fighters were puzzled by the simultaneous attack on Courtrai, and by a feint raid on Hannover, so that we lost only 9 aircraft.

At Courtrai, 102 aircraft carried out an accurate ground-marking attack, hitting many hits on tracks and railway buildings. Mosquitos went to Hannover, Han and Juliendorf, while intruders bombed airfields in the Low Countries and Northern France. Mines were laid in the Bay of Biscay. No aircraft was lost in these subsidiary operations.

WEATHER FORECAST

Bases:- Fit all night, apart from local smoke. Clear skies.

Germany:- Very uncertain conditions in N. German plain: probably much stratocumulus, but cloud may clear right away. Much medium and strato-cumulus, with a warm front, stretching at midnight from Königsberg to Frankfurt. Little cloud in S. Essen: probably clear, with moderate visibility. Slight risk of stratocumulus, tops below 4,000'. Friedrichshafen: clear below 20,000'.

France:- Clear. Moderate visibility.

ESSENDETAILS OF ATTACK

Route See route map.

Method of attack OCEC Mosquitos on Channels 1, 3, 11 and 12 were to mark the aiming-point with red T.I. Lancaster backers-up were to aim greens at the aiming-point or, if none were visible, at the centre of earlier greens with a 1-second overshoot. Supporters and main force aircraft were to aim likewise. Line of approach: 337° from the aiming-point.

Timing Zero hour: 2200 Duration of attack: 2155-2215

9 Mosq. @ z - 5, -2, z, z + 2, +5, +3, +10, +12 and +15.

18 backers-up. @ z - 1 to z + 14

48 supporters @ z - 1

113 a/c. @ z to z + 3

115 a/c @ z + 3 to z + 6

116 a/c @ z + 6 to z + 9

113 a/c @ z + 9 to z + 12

119 a/c @ z + 12 to z + 15

15 ...B.C. a/c throughout the attack.

...../7. Diversions, etc.

7. Diversions, etc. 15 Mosquitos (including 4 Y-1 aircraft) were to drop T.I. and H.B. on Hannover from z - 7 to z - 5. 8 Mosquitos were to drop WD at 4 bundles per minute from 5200 M. and bomb Essen at z - 5. The Mosquito groundmarkers were to drop skymarker flares 2 miles E. of the target to distract the flak guns. Main force aircraft were to drop WILSON at one bundle per minute (2 within 30 miles of the target). 2 Mosquitos were to attack Essen at z + z + 57.

SORTIES

8.	No. of aircraft despatched.....	705
	" " " reporting attack on primary area.....	668
	" " " " " alternative area.....	1
	" " abortive sorties.....	27
	" " aircraft missing.....	9

WEATHER EXPERIENCED

9. Bases:- Pit until 0700, when fog affected 8 Group, spreading inland to East Anglia. Little cloud.

Route:- 10/10ths, low stratus over sea beyond a line 5300N, 0300E - Middelburg - Liege, 10/10ths, strato-cumulus overland, tops 6-8,000'. Persistent contrails at 19-23,000'.

Target:- 10/10ths, layer cloud, tops 6-8,000', with patches of thin medium cloud at 15,000'. No moon. Good visibility.

Winds at 21,000': 340°/65-70 m.p.h. over whole route.

NIGHT PHOTOGRAPHIC STATISTICS

10. All photographs showed 10/10ths. cloud.

EFFECTS OF ATTACK

10. The marking was well-timed and fairly well placed, but the T.I. soon disappeared out of sight beneath the cloud, and aircraft had to bomb their glcs. Reports indicated a reasonable concentration of fires.

DAY RECONNAISSANCE

11. Much fresh damage was caused in the already half-destroyed town of Essen by this attack, especially in the southern districts of Lütenscheid and Holscherhausen, which had previously escaped lights. The centre of the town received a great weight of bombs, which demolished many required premises. Serious damage was done to Krupps, involving 24 buildings; among them, the Widia steel plant, a generator station, furnaces and machine shops. The Goldschmidt smelting works and the Altenberg acid factory (both priority 2) were hit; the Zeche Christian colliery at Prosper was ravaged by fire; and the main railway station, the Hergerhausen goods station, and many public buildings were destroyed or damaged.

ENEMY DEFENCES

12. Ground defences The flak opposition was unusually moderate for Essen. The heavy guns fired a loose barrage to 18-22,000', and there was a little light flak up to 13,000'. Searchlights could not pierce the cloud.

13. Fighters Little fighter opposition was met on the outward route. The attack on Courtrai had already compelled the controllers to move some of the fighters southwards, and the remainder were kept in reserve for what was expected to be a deeper penetration. The latter error was partly caused by the faint raid on Hannover. Another force was held at Doen, and attacked the bombers on the southerly return route, claiming 5 victims.

...../ENEMY AIRCRAFT DESTROYED

Halifax was damaged in a landing accident.

HANNOVER

24. 22 Mosquitos, including 4 Y-aircraft, were sent on a feint attack against Hannover. All the Y-aircraft dropped markers on H2S, and these were bombed the other 18 aircraft through 10/10ths. cloud. A good concentration was reported. Ten 4,000 lb. bombs were included in the weight that fell on the city. All aircraft returned safely from this and all other minor operations on this night.

JULIANDORF

25. 3 OBOE Mosquitos (1 Mk. I, 1 PEPPER and 1 ABUJILP) were sent against Juliardorf. The PEPPER abandoned its task because of OBOE failure, but both the others made successfully controlled runs.

LECHOW

26. 3 Mk. I Mosquitos were sent to Lechow; but all had OBOE failure, and attacked on D.R. Each dropped a 1,000 lb. bomb.

HELVING

27. 20 Stirlings were detailed to lay mines off the French Atlantic coast. 17 completed their task, laying 64 mines. All returned undamaged.

LEFLETS

28. 12 Wellingtons scattered leaflets over Northern France without loss.

FIGHTER OPERATIONS

29. 13 Mosquitos of 100 Group were despatched on JEROME patrols. 8 completed their sorties, and one claimed to have damaged a Ju.88. 25 Mosquitos of 2 Group and 1 D.C.P. attacked enemy airfields in Northern France and the Low Countries - all without loss.

SPECIAL OPERATIONS

30. 4 Halifaxes of 3 Group made special sorties over the Continent.

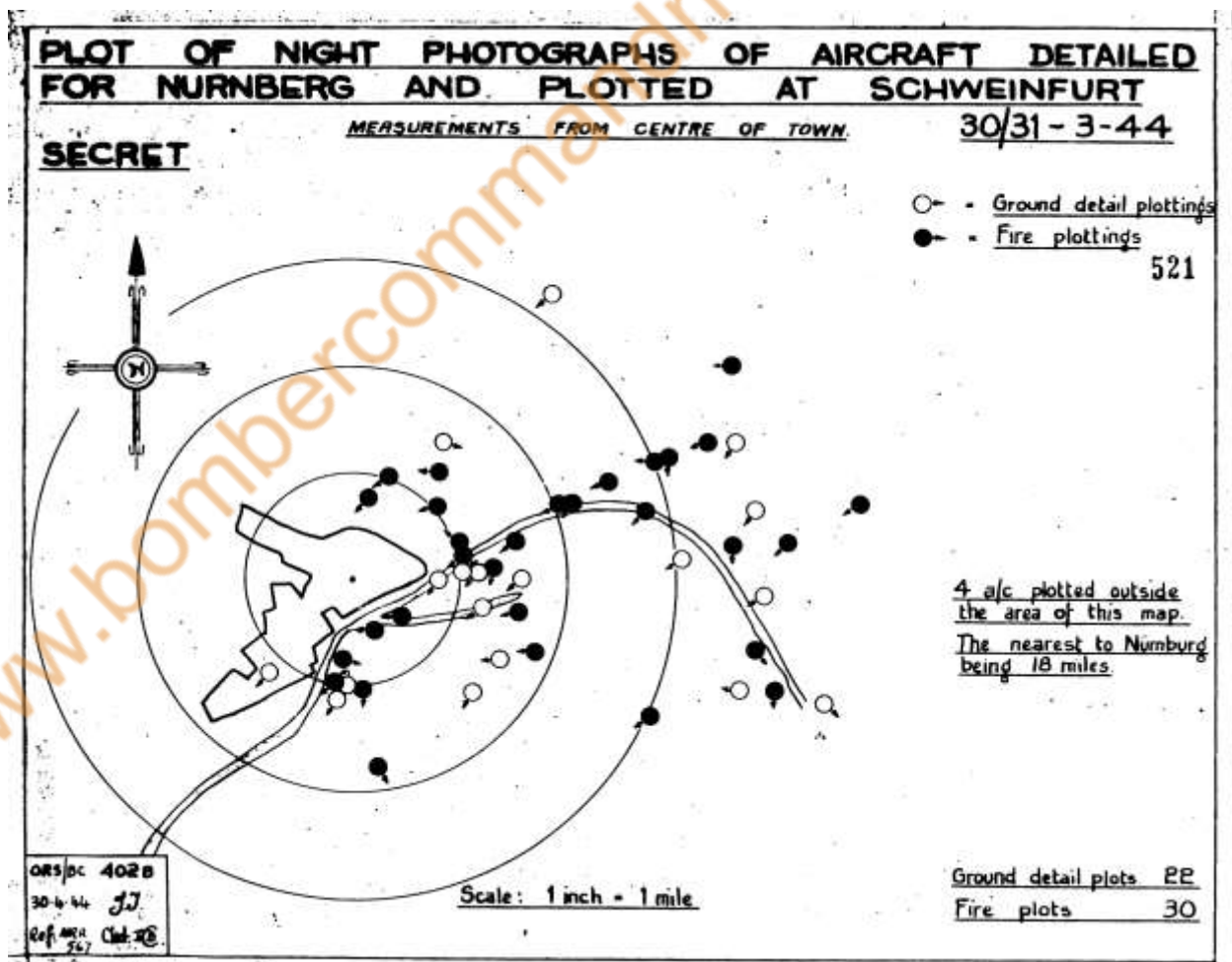
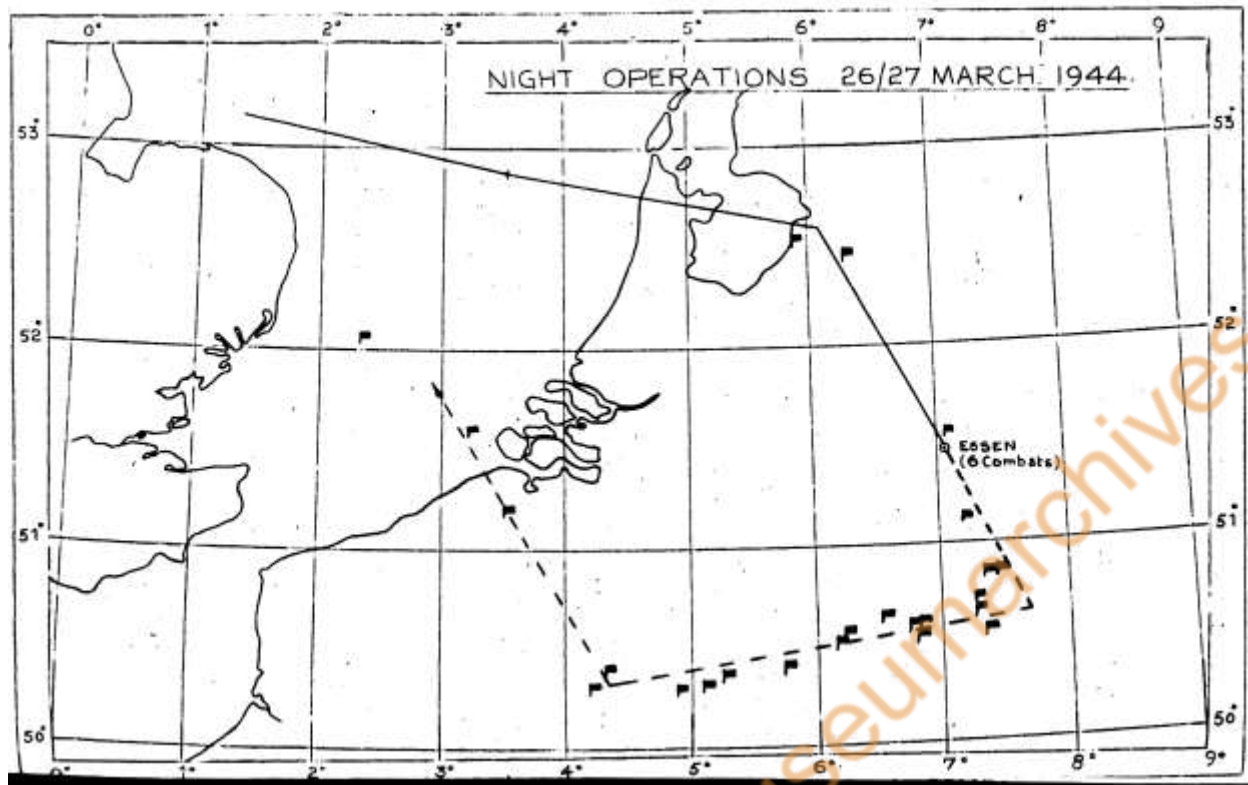
HLJ/JT,
BC/S. 263,2/4/ORS4,
26th. June, 1944.

UNIT	GROUP	MACH. PT TYPE	SERVING	%C REPORTING		%DORMING		DORM. LIT.	MISCELLANEOUS				TOTAL		HE. Inc.	
				PREP. ARE.	ACT. ARE.	C. E. L. T.	OVER L. T.		WASH. BOYS	WASH. BOYS	WASH. BOYS	WASH. BOYS	WASH. BOYS	WASH. BOYS		
ENGINE	P.T.	Mosq. IV	2	1	-	1	-	-	-	-	-	-	-	-	10M. 5	1795.0
		Mosq. XVI	2	2	-	-	-	-	-	-	-	-	-	-	-	-
		Mosq. IX	9	6	-	-	2	1	-	-	-	-	-	-	-	13x8,000lbs.
	M.P.	Lanc. III	18	18	-	-	-	-	-	-	-	-	-	-	-	429x4,000lbs.
		Mosq. IV	7	7	-	-	-	-	-	-	-	-	-	-	-	-
		Mosq. XVI	2	-	1	-	1	-	-	-	-	-	-	-	-	-
	1	Lanc. I	42	40	-	-	-	-	2	-	-	-	-	2	2	-
		Lanc. III	123	118	-	-	4	1	1.0	1.0	-	18	-	1	3	-
		Lanc. I	18	17	-	-	-	-	-	-	-	-	-	-	-	-
	3	Lanc. II	27	25	-	-	-	4	-	-	-	-	-	2	4	-
		Lanc. III	6	6	-	-	-	-	-	-	-	-	-	-	-	-
	4	Hal. III	123	118	-	-	4	3	1	2	-	18	-	6	2	-
Lanc. I		66	57	-	-	1	4	1	-	-	-	-	-	-	-	
5	Lanc. III	106	105	-	-	-	-	1	2	12	1	-	2	2	-	
	Lanc. II	21	20	-	-	-	-	-	-	-	-	-	-	-	-	
6	Lanc. II	84	79	-	-	-	5	-	-	-	-	1+1.0	1	10	-	
	Hal. III	84	79	-	-	-	-	-	-	-	-	-	-	-	-	
ENGINE TOTAL			705	650	1	4	25	9	4+1.0	2+1.0	1	1+1.0	15	28	-	-
COOPER	P.T.	Mosq. IV	2	1	-	1	-	-	-	-	-	-	-	-	472.2	1.0
		Mosq. IX	4	2	-	-	2	-	-	-	-	-	-	-	-	-
		Mosq. XVI	1	1	-	-	-	-	-	-	-	-	-	-	-	-
	4	Stir. III	32	30	-	-	1	1	-	-	-	-	-	-	-	-
		Hal.	23	22	-	-	-	1	-	-	-	-	1.0	-	-	-
6	Hal.	47	45	-	-	1	-	-	-	-	-	-	-	-	-	
COOPER TOTAL			109	102	-	5	2	-	-	-	-	1.0	-	-	-	-
H. HOVER	P.T.	Mosq. IV	7	7	-	-	-	-	-	-	-	-	-	-	25.0	1.2
		Mosq. IX	2	2	-	-	-	-	-	-	-	-	-	-	-	10x1,000lbs
	M.P.	Mosq. IX	3	3	-	-	-	-	1	-	-	-	-	-	-	-
		Mosq. XVI	7	7	-	-	-	-	-	-	-	-	-	-	-	-
H. HOVER TOTAL			22	22	-	-	-	1	-	-	-	-	-	-	-	-

25/27th March, 1944 (cont.)

UNIT	GROUP	MACH. PT TYPE	SERVING	%C REPORTING		%DORMING		DORM. LIT.	MISCELLANEOUS				TOTAL		HE. Inc.	
				PREP. ARE.	ACT. ARE.	C. E. L. T.	OVER L. T.		WASH. BOYS	WASH. BOYS	WASH. BOYS	WASH. BOYS	WASH. BOYS	WASH. BOYS		
FULL WOOD	8	Mosq. IX	1	-	-	1	-	-	-	-	-	-	-	-	1.0	
		Mosq. XVI	2	2	-	-	-	-	-	-	-	-	-	-	-	
FULL WOOD TOTAL			3	2	-	1	-	-	-	-	-	-	-	-	-	
...CHEN	8	Mosq. XVI	3	3	-	-	-	-	-	-	-	-	-	-	5.4	
															3x1,000lb	
...CHEN TOTAL			3	3	-	-	-	-	-	-	-	-	-	-	-	
...LERO TOTAL			842	797	1	10	25	9	5+1.0	2+1.0	1	1+2.0	15	28	-	-
...YING	3	Stir.	4	3	-	-	1	-	-	-	-	-	-	-	-	
		Stir.	2	2	-	-	-	-	-	-	-	-	-	-	-	
		Stir.	5	5	-	-	-	-	-	-	-	-	-	-	-	
		Stir.	5	4	-	-	1	-	-	-	-	-	-	-	-	
		Stir.	4	3	-	-	1	-	-	-	-	-	-	-	-	
...YING TOTAL			20	17	-	3	-	-	-	-	-	-	-	-	-	
...PLETS	91	Vel. III	3	3	-	-	-	-	-	-	-	-	-	-	-	
		Vel. X	5	5	-	-	-	-	-	-	-	-	-	-	-	
		Vel. II	1	1	-	-	-	-	-	-	-	-	-	-	-	
		Vel. III	2	2	-	-	-	-	-	-	-	-	-	-	-	
...PLETS TOTAL			12	11	1	-	-	-	-	-	-	-	-	-	-	
...YRE	100	Mosq.	13	8	-	-	5	-	-	-	-	-	-	-	-	
...YRE TOTAL			867	833	2	10	35	9	5+1.0	2+1.0	1	1+2.0	15	28	-	-
...YNDER OPS.	2	Mosq.	9	-	-	-	-	-	-	-	-	-	-	-	-	
		Mosq.	10	-	-	-	-	-	-	-	-	-	-	-	-	
...YNDER OPS. TOTAL			25	-	-	-	-	-	-	-	-	-	-	-	-	
...YLLS OPS.	100	Various	8	-	-	-	-	-	-	-	-	-	-	-	-	
		Various	4	-	-	-	-	-	-	-	-	-	-	-	-	
...YLLS OPS. TOTAL			12	-	-	-	-	-	-	-	-	-	-	-	-	

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BOMBER COMMAND REPORT ON NIGHT OPERATIONS.

27/28th. JUNE, 1944.

Duisburg: Krefeld:PRIMARY

Duisburg 14 Mosquitos, including 4 CBOE aircraft (2 Mk.I, 1 FOURTY-THREE and 1 ALBUH LEAF) were sent to Duisburg. All the CBOE aircraft made successfully controlled runs, and the bombing was well concentrated around their target. A large fire was left burning. All aircraft returned undamaged.

Krefeld One Mk.I and 2 ALBUH LEAF Mosquitos were detailed to attack the steel works at Krefeld. One ALBUH LEAF had CBOE failure and bombed on D.R., but both the others made successfully controlled runs. All carried 4,000lb. No casualties were sustained.

OTHER FORECAST

Midnight frontal positions:- Cape Wrath - Leuchars - E. Yorkshire - Isle of Wight - 48 $\frac{1}{2}$ N. 00° - Alps.

Bases:- Fog or low cloud will develop in operational areas by midnight. Extensions to S.W., and S. coast. Much strato-cumulus in evening; E. of front.

Germany:- N. of 50°N: broken strat.-cumulus. Further S. 10/10ths. Cumulus cloud and strato-cumulus.

France:- Little or no cloud W. of front. Broken strato-cumulus in E.

STATISTICS

	<u>Duisburg</u>	<u>Krefeld</u>
No. of aircraft despatched.....	14	3
" " " reporting attack on primary area.....	13	3
" " abortive sorties.....	1	0
" " aircraft missing.....	0	0

OTHER EXPERIENCED

Bases:- Fog in N. Yorkshire at dusk, and low stratus over East Anglia. At 0200, the whole country was covered with fog and low cloud.

Ruhr:- No cloud. Good visibility.

ENEMY DEFENCES

Slight to intense flak was met from both targets, co-operating with many searchlights. No fighters were seen.

CASUALTIES

None.

H/JT.
C/S. 26342/6/ORS4,
28th. June, 1944.

CLASS	GRADE	MARKS PT	VIBES	NO REPORTING				CORRECT				EXCEPTIONS				RESULTS	
				STAGE		STAGE		STAGE		STAGE		STAGE		STAGE		HE.	INC.
				1	2	3	4	5	6	7	8	9	10	11	12		
DISEASE	B.P.	Hong.Ia	4	4	-	-	-	-	-	-	-	-	-	-	-	17.9	.9
	B	Hong.IV	2	2	-	-	-	-	-	-	-	-	-	-	-		
	N.P.	Hong.VI	8	7	-	-	1	-	-	-	-	-	-	-	-		94,000lb.
DISEASE TOTAL			14	13	-	-	1	-	-	-	-	-	-	-	-		
KEP.S.D	B	Hong.VI	3	3	-	-	-	-	-	-	-	-	-	-	-		5.6
GRAND TOTAL			17	16	-	-	1	-	-	-	-	-	-	-	-		

D. G. S. J.

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BOMBER COMMAND REPORT ON NIGHT OPERATIONS

29/30th MARCH, 1944

VAIRES M/Y : Lyons : Kiel : Cologne : Aachen : Krefeld

84 Halifaxes and Mosquitos were sent to attack the marshalling yards at , in the Paris area. They bombed the target most accurately in bright moon- causing enormous damage. There was little opposition. One Halifax was lost.

19 Lancasters went to the aero-engine factory at Lyons, and hit it very ly. 16 of the 22 buildings were damaged. Mosquitos raided Kiel and industrial s in Western Germany. No other losses were sustained.

FORECAST

Midnight frontal positions:- Cold from 55N.05W. - Barrow - Clacton - port.

Bases:- At 2230 10/10ths to 12,000 ft. S. of the Wash. Broken cloud at 0 ft. further N. After midnight, all bases will have well broken cloud and to good visibility.

Germany:- Convection cloud to 15,000 ft. over North Sea, penetrating inland E., but becoming broken southwards. Extensive clearances between 09-12°E., and 50°N. Much cloud further E. and S. Brunswick: at least 7/10ths.

France:- Little cloud except in extreme N.W. Sheet of strato-cumulus will Paris at about 2200.

VAIRES M/YOF ATTACK

Route Selsey Bill - 5000N 0115E - Target - 4845N 0245E - 4910N 0300E - 0115E - Selsey Bill.

Method of Attack 2 OBOE Mosquitos on Channel 1 and 2 on Channel 3 were to the aiming-point with red T.I. The main force were to aim at the centre of all with normal bombsight setting. Line of approach : 322°.

Timing Zero hour : 2130
Duration of attack : 2128-2200 .

1 Mosq. @ z-2
1 Mosq. @ z
41 Hols. @ z to z+6
1 Mosq. @ z+10
1 Mosq. @ z+12
37 Hols. @ z+12 to z+18
1 Mosq. @ z+22
1 Mosq. @ z+24
Reserve Period @ z+24 to z+30

Tactics Bombing height : 12-13,000 ft. Aircraft were to bring their bombs if H markers were visible. I funable to attack in the first or second waves, are to bomb in the reserve period. Mosquitos were to drop 24 bundles each of in the target area; other aircraft, 1 bundle per minute from 0030E and back, per minute in the target area. 1 reserve was to accompany each Mosquito.

RES

No. of aircraft despatched	84
No. of aircraft reporting attack on primary area	77 (91.7%)
No. of abortive sorties	6 (7.1%)
No. of aircraft missing	1 (1.2%)

WEATHER EXPERIENCED

9. Base:- As forecast
Route:- 10/10ths over Channel and N. France, tops 12-13,000', with static and light rain. Cloud broke N. of Paris.
Target:- Clear below cirrus levels. Half moon. Haze. Moderate visibility.
Wind at 16,000':- 300°/45 m.p.h.

NARRATIVE OF ATTACK

10. The Mosquito timing was uneven, and the first did not bomb until z+8, but z+1 the second aircraft dropped bombs, only 263 yards from the aiming-point. A second pair of Mosquitos did not attack until z+19 and z+21, and all the main factories which should have attacked in the second wave joined the first force. The marks were clearly visible, and the bombing was well concentrated round them.

DAY RECONSTRUCTION

11. Exceptionally severe and widespread damage was caused. 121 hits were seen on the south marshalling sidings, 44 on the forwarding sidings and 33 on the north marshalling sidings. In the centre of the forwarding sidings an area measuring x 125 yards was completely devastated, apparently by the explosion of two mainline trains. 3 of the 6 bays of the engine sheds were destroyed, and the roads to the locomotive turntable and the cooling tower were out. The coal yard offices and upper storeys of the drivers' and firemen's quarters were gutted. 8 or more were visible on the transshipment sidings. Various subsidiary buildings were damaged, much rolling stock was destroyed.

ENEMY DEFENCES

12. A few fighters were seen to the N.W. of Paris, but no combats were reported. A little heavy and light flak was fired from the target.

CASUALTIES

13. One Halifax was lost without trace. No other damage was sustained.

LYONS

14. 19 Lancasters of 5 Group attacked the S.T.T. aero-engine components at Lyons in clear weather. The target was accurately marked with red spot fire. The aircraft attacked from 16,000' under the instructions of the master bomber. Defences were met, and all the aircraft returned undamaged. Photographs showed grave damage, involving 16 of the 22 buildings, some of which were completely destroyed.

KIEL

15. 32 non-JOB Mosquitos were despatched to Kiel. 2 Y-aircraft dropped T.T. H2S, and these were bombed by most of the other aircraft. The attack was reported concentrated. From this and all other Mosquito raids on this night, all aircraft returned undamaged.

COLOGNE

16. 4 ALBUM LEAF Mosquitos attacked Cologne, all making successfully controlled runs.

AACHEN

17. 5 Mk.I Mosquitos were sent to Aachen. One attacked on OBOE and 3 on P.T. The fifth abandoned its task for technical reasons.

KREFELD

18. 4 Mk.I, 3 PENWIPER, 3 ALBUM LEAF and 1 FOUNTAIN PEN Mosquitos were detailed against the Edol steel works at Krefeld. All made successfully controlled runs.

MIA/1TA
DC/C.26342/14/ORS4
4th July, 1944

UNIT	SERIAL	TYPE	NO.	WGT.		CUBIC		VOL.	MATERIAL	FUEL	OIL	TOTAL	DOT	DOT	NET	INC.		
				REL.	ABS.	FTS.	YDS.											
BRES (V.I.S.)	8	Mosq. IV	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Mosq. II	5	3	-	-	1.4 ¹	-	-	-	-	-	-	-	-	-	-	
		Mosq. XVI	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4	Mol. III	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
		6	Mol. III	15	15	-	-	-	2	1	-	-	-	-	-	-	-	-
			Mol. III	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
BRES TOT.			20	20	-	-	1.4 ¹	3	1	-	-	-	-	-	-	-	-	
LYONS	5	Lanc. I	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Lanc. III	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LYONS TOT.			19	19	-	-	-	-	-	-	-	-	-	-	-	-	-	
AED.	8	Mosq. IV	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Mosq. IX	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	M.P.	Mosq. IV	13	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Mosq. III	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Mosq. XVI	12	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Mosq. IX	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
AED. TOT.			32	30	-	-	-	-	-	-	-	-	-	-	-	-	-	
COLOGNE	8	Mosq. IX	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Mosq. XVI	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLOGNE TOT.			4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHEN	d	Mosq. IX	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-	
		Mosq. IV	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEN TOT.			5	4	-	-	-	1	-	-	-	-	-	-	-	-	-	
MUSFELD	8	Mosq. IX	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Mosq. XVI	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MUSFELD TOT.			11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	
GRAND TOT.			150	145	-	-	1.4 ¹	5	1	-	-	-	-	-	-	-	-	

O.R.S. 3.

* Measure w/o net required.

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BOMBER COMMAND REPORT ON NIGHT OPERATIONS

30/31st MARCH, 1944

MUNICH : Ruhr : Airfields : Mining, etc.

ARY

795 aircraft were sent to Nuremberg. An unexpectedly strong westerly wind forced our aircraft, and clouds dispersed beyond Belgium, leaving them exposed in moonlight. Fighters destroyed over 50 bombers before the target was reached; the wind dispersed the sky-markers, so that the bombing was poorly concentrated. Aircraft (11.8%) were lost; and 11 others were damaged beyond repair.

Mosquitos carried out feint attacks on Cologne and Kassel, and precision attacks against targets in the Ruhr and airfields in Holland. Other aircraft laid mines and dropped leaflets over France, while fighters destroyed one enemy aircraft and damaged 3 more. One fighter was lost; and one bomber did not return from a night sortie over the Continent.

WEATHER FORECAST

Midnight frontal positions:- (1) S.W. Ireland - S.W. England - Dijon -
(2) Occlusion; 47½°N. 03°W. - S.W. France.
Bases:- Mostly fit all night. Local haze troubles in 4 and 6 Groups, and heavy fog towards dawn. Snow showers on East coast.
Germany:- Broken residual convection cloud, except in south, where cloud will be overcast. Nuremberg: large amounts of strato-cumulus to 8,000', with a risk of heavy medium cloud at 15-16,000'. Much strato-cumulus and convection cloud over the North Sea.
France:- Much strato-cumulus in N.W. Several layers over E. coast. Little cloud below cirrus level in Central France.

MUNICHDETAILS OF ATTACK

Route See route map.

Route-marking Mosquitos were to drop red T.I. on Aachen, off the main route, to show the way out.

Method of attack NUREMBERG with emergency sky-marking. If there was less than 7/10ths cloud, primary blind marker illuminators were to drop green T.I. and main force bombers blind on the aiming-point. Visual markers were then to mark the exact aiming-point with mixed greens and reds, using the earlier greens as a guide. Blind backers-up were to drop no markers if they bombed before z+7, but were to aim their bombs at the centre of all T.I. Later arrivals were to drop red T.I. and R/P flares blindly, regardless of weather conditions. Visual backers-up were to aim reds at the centre of all mixed salvos, or at the centre of reds with a good overshoot. Supporters were to bomb blindly, or on a good T.I., or at the centre of all T.I. on a heading of 175°M. Main force crews were to aim at the large mixed salvos, or at the centre of reds on the same heading. If there was more than 7/10ths cloud, the following plan was to be adopted. The blind marker illuminators were to hold their illuminating flares, and drop sky-markers (red with green stars) at their T.I. Visual markers were to bomb blindly, or aim at the centre of sky-markers. Blind backers-up attacking before z+7 were to drop sky-markers blindly. Later arrivals were to drop both red T.I. and sky-markers blindly. If their H2S was good, they were to act as visual backers-up. The visual backers-up were to aim at the centre of sky-markers on a heading of 175°M. Supporters, if unable to bomb blindly, and main force crews, were to bomb on the same principle.

7. Timing Zero hour : 0110
Duration of attack : 0105-0122

Blind marker illumination	24 @ z-5
Visual markers	6 @ z-3
Blind backers-up	23 @ z-1 to z+12
Visual backers-up	22 @ z-1 to z+12
Supporters	67 @ z-5
Main Force	128 @ z to z+3
	126 @ z+2 to z+4
	127 @ z+4 to z+7
	127 @ z+7 to z+10
	121 @ z+9 to z+12
	24 ABC a/c throughout the attack

8. Tactics Between z-75 and z-63, 9 Mosquitos were to carry out a feint attack on Coligny. 20 more Mosquitos were to drop spoof fighter flares and W to Kassel, and drop T.I. on the town between z-44 and z-42. At z-11, 2 Y-Mos were to mark Kuremburg with T.I. green flares, which 8 other Mosquitos were to a minute later. These aircraft were to release 4 bundles of WIDOW per minute. Main force crews were to drop WIDOW at the usual rates (one bundle per minute, 2 per minutes within 30 miles of the target).

SORTIES

9. No. of aircraft dispatched	795
No. of aircraft reporting attack on primary area	616 (77.5)
No. of aircraft reporting attack on alternative area	25 (3.1)
No. of abortive sorties	57 (7.2)
No. of aircraft missing	94 (11.8)

WEATHER EXPERIENCED

10. Bases:- Fit until 0400, when snow and sleet showers became widespread S. Lines., spreading to East Anglia and 8 Group by 0600. Towards the end of period, visibility deteriorated in 1, 4 and 5 Groups and the Midlands.

Route:- 7-3/10ths convection cloud over English coast, tops 12-12,000. Good clearances over North Sea. 4-5/10ths strato-cumulus over Belgium, then cloud to 20 miles N. of the target, where 7-10/10ths thin medium cloud was on return, 6-10/10ths, tops 12-15,000', gradually lowering to 4-7,000' over F.F. and breaking to small amounts N. of Beauvais. Dense and persistent contrails 12-24,000' N. of 072E.

Target:- 7-10/10ths thin medium cloud in thin layers to 15-17,000'. Occasionally breaks to 5/10ths. Patchy cirrus at 22,000'. Good visibility to breaks. Half moon.

Winds:- At 21,000' : 230/35 m.p.h., increasing to 60 m.p.h. towards and 70 m.p.h. over French coast on the way home. Surface wind at target: 11 and variable.

NIGHT PHOTOGRAPHIC STATISTICS

11. No. of aircraft plotted in target area	0
No. of aircraft plotted off target area (ground detail . 22)	52
(fire tracks ... 30)	

There is no photographic evidence that any aircraft bombed in the target area, but the German communique indicated that some damage was caused (see p 34 were plotted within 3 miles of the centre of Schweinfurt. (See accompanying photo. plot).

NARRATIVE OF ATTACK

12. There is insufficient photographic evidence to reconstruct the course of the raid in any detail. From the first, the bombing spread widely down wind to S of the target. No markers appear to have been dropped at Schweinfurt, and for the concentration there is obscure.

RECONNAISSANCE

No reconnaissance was undertaken at either Nuremberg or Schweinfurt.

IN HIGH COMMAND COMMUNIQUE

"Last night our air defences achieved their greatest success while warding off British terror raids on Nuremberg. They prevented concentrated attacks from being carried out and destroyed 132 4-engined bombers. Damage was caused and the station had losses in the Nuremberg built-up area and in several other German cities."

IV DEFENCES

Ground Defences Little trouble was experienced from the ground defences. At Nuremberg, the searchlights could not penetrate the cloud, and heavy flak was fired in a slight to moderate barrage at 19-22,000'. Light flak, fired to 15,000', was rather more intense. Along the route, heavy flak co-operated with searchlights at Schweinfurt, Hamburg and Strasbourg, but caused few losses.

Fighters German fighters achieved considerable success on this night, aided greatly by the weather. Conditions over the North Sea made it impossible to arrange any large-scale diversion, such as proved so successful on the Frankfurt raid earlier in the month; and the wind proved weaker than expected and more westerly than north-westerly, so that our bombers were soon extended over a broad front to the north of track. Moreover, the cloud, which it had been thought would protect our bombers at least over the first part of the route, dispersed altogether over Belgium, and left our aircraft exposed in the light of a half moon. The enemy at once discarded any idea of a serious threat from the north, where some 50 fighters were mauling in Heligoland Bight, and massed his fighters in two groups over Bonn and Frankfurt, whence they easily intercepted the stream. A running battle was fought over a distance of nearly 250 miles from Aachen eastwards and then southwards to the target. Fighter activity decreased slightly when the bombers turned south, N.W. of Frankfurt, but a number of combats occurred over the target area several more on the early part of the way home.

IV AIRCRAFT DESTROYED

7 fighters were destroyed before the target was reached; a Ju.88 by a 100 Group Mosquito and a Me.109 by a 4 Group Halifax in the Bonn area; a Ju.88 and a Me.109 N. of Frankfurt by Lancasters of 5 Group; a Me.190 near Fulda by a 4 Group Halifax; and a Me.110 near Bamberg by a 1 Group Lancaster. In addition, one Ju.88 and one Me.210 were claimed as probably destroyed, and 5 Ju.88s, 2 Me.109s and 3 Me.110s as damaged.

RESULTS

No. of aircraft missing	94 (11.3%)
No. of aircraft damaged	71
(flak	17)
(fighter	34)
(non-enemy action	20)

Nearly all the losses were caused by fighters. They destroyed at least 50 bombers between Aachen and the turning point near Fulda (N.W. of Frankfurt); 3 on a southerly run in; 5 over the target; and 4 more on the way home. Flak destroyed 14 aircraft, according to observations: at Nazur, Aachen, Bonn (2), Coblenz, Schweinfurt (2), Strasbourg, Le Touquet, and Nuremberg (5). 2 collided over the target and were seen to go down in flames. 73 of the losses are thus definitely accounted for. In addition to the 94 missing aircraft, 7 were wrecked beyond repair by landing or taxiing accidents, 3 in combat and one by British incendiaries.

COLOGNE

9 Mosquitos carried out a feint raid on Cologne, according to plan. 3 ALBUCA and 1 PENWIPER aircraft were sent as markers, and one of each type dropped markers on COLE. The other aircraft attacked with 4,000 lb. bombs. From this and other Mosquito attacks on this night, all aircraft returned safely.

/AACHEN

LECHER

20. 6 Mk.I Mosquitos were detailed to Lecher. All made successfully contact runs, but one was unable to release its bomb.

DORTMUND

21. One ALBUM LEAF Mosquito was despatched to Dortmund; but its device failed it bombed the primary area on D.R.

KASSEL

22. 19 Mosquitos carried out a feint attack on Kassel according to plan. Aircraft dropped markers on HZS, and these were bombed by the other aircraft. Bomb marking and bombing appeared to be accurate.

JULIENBURG

23. 2 PENNIPER Mosquitos were sent to Julianburg. One attacked on OBOE; the other had a technical failure and bombed Gilze Rijen on GEE.

OBERHAUSEN

24. 3 ALBUM LEAF Mosquitos were detailed to attack Gutchoffnungshutte A.7. Oberhausen. 2 attacked the target, one on OBOE and one on D.R. The third was an airfield near Neuenhaus.

DEELDEN

25. 2 FOURTAIN PEN Mosquitos attacked Deelden airfield, one on OBOE and one

ZWOLLE

26. 2 Mk.I and 2 ALBUM LEAF Mosquitos bombed Zwolle airfield, all on OBOE. One of the Mk.I aircraft.

VOLLER

27. 3 Mk.I Mosquitos bombed Voller airfield on OBOE.

JUVINCOURT

28. 2 ALBUM LEAF Mosquitos were detailed against the airfield at Juvin-court. One attacked on OBOE; the other had a technical failure over the target, and abandoned its task.

MINE-LAYING

29. 48 Halifaxes, out of a force of 49, laid 112 mines in the Heligoland Bight. At the same time, 4 Stirlings went to Texel and 2 to Le Havre. Each laid 6 mines. No fighters were seen and no casualties were sustained.

LEAFLETS

30. 8 Wellingtons scattered leaflets over Northern France. All returned safe although one was hit by flak.

FIGHTER OPERATIONS

31. 19 Mosquitos of 100 Group were sent on VERVAE patrols. One of them downed a Ju.88 in the Bonn area. 23 other Mosquitos from 2 Group and A.D.C.3. patrol enemy airfields, damaging 2 enemy aircraft on the ground and one in the air. 10 Mosquito of 2 Group was lost without trace.

SPECIAL OPERATIONS

32. 22 aircraft from 3 and 100 Groups were detailed on special missions over the Continent. One Halifax was lost without trace.

TARGET	GROUP	INCRPT TYPE	SORTING	% REPORTED ATTACK OF				CLASS- NO.	MISSES					INTERPRETATIONS		RESULTS		
				PREL. AREA	INT. AREA	OVER K.T.	NOT OVER		PLUG	FLIGHTER	BRIT. INC. BOMBS	NOT DUE TO IV.	ATLACK-ED	NOT ATLACK-ED	Ht.	Inch		
WINDMILL	BWP	10sq. IV	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1069.1	1391.0
		10sq. IX	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Lane. III	75	65	2	-	-	8	2	1B+1.C	1.C	1E	6	6	-	-	5x8000lbs.	
	M.F.	10sq. IV	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Lane. III	35	30	1	1	-	3	-	1+1.C	-	-	-	-	-	-	-	36x4000lbs.
	1	Lane. I	67	55	3	-	2	7	2	1.C	-	-	-	-	-	-	-	-
		Lane. III	113	88	5	2	4	14	2	1+1.C	1.C	1E+1B+1C	3	5	6	-	-	
	3	Lane. I	19	17	-	1	-	1	-	1	1.C	-	3	2	-	-	-	-
		Lane. II	29	17	1	5	-	6	-	1B+1.C	-	2E	4	2	-	-	-	-
	4	Lane. III	8	5	1	1	-	1	-	1.C	-	-	1	1	-	-	-	-
		Hal. III	121	78	2	6	15	20	7	1+1.C	-	2E+1.C	17	3	-	-	-	-
	5	Lane. I	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lane. III		26	22	2	-	1	1	1	-	-	-	-	-	-	-	-	-	
5	Lane. I	71	57	2	2	5	4	1	1.C	-	1+1E	8	10	-	-	-	-	
	Lane. III	100	75	2	1	5	16	-	2+1.C	1+1E	2.C	16	9	-	-	-	-	
6	Hal. III	93	73	2	3	5	10	1	1B+2.C	-	1B+1.C	7	8	-	-	-	-	
	Lane. II	25	21	1	-	-	3	-	-	-	-	1	1	-	-	-	-	
WINDMILL TOTAL			795	616	28	22	39	96	17	6+3B+4E+21.C	1+1E+3.C	2+7E+2B+4.C	78	55	-	-	11.6	.1
COLOGNE	BWP	10sq. IX	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		10sq. XVI	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	5x2000lbs.
COLOGNE TOTAL	BWP	10sq. IV	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		10sq. IX	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLOGNE TOTAL			9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LONDON	BWP	10sq. IV	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		10sq. IX	5	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-
LONDON TOTAL			6	5	-	1	-	-	-	-	-	-	-	-	-	-	-	-
DO IT ALL	BWP	10sq. XVI	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		10sq. XVI	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-

30/31st. MARCH, 1944. (Contd.)

TARGET	GROUP	INCRPT TYPE	SORTING	% REPORTED ATTACK OF				CLASS- NO.	MISSES					INTERPRETATIONS		RESULTS		
				PREL. AREA	INT. AREA	OVER K.T.	NOT OVER		PLUG	FLIGHTER	BRIT. INC. BOMBS	NOT DUE TO IV.	ATLACK-ED	NOT ATLACK-ED	Ht.	Inch		
KASSEL	BWP	10sq. IV	8	8	-	-	-	-	-	-	-	-	-	-	-	-	20.1	1.1
		10sq. IX	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		10sq. XVI	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		10sq. XVI	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	8x2000lbs.
KASSEL TOTAL			19	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OBERSALDEN	BWP	10sq. XVI	3	2	1	-	-	-	1	-	-	-	-	-	-	-	-	5.0
DECKEN	BWP	10sq. IX	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8
JULIENBOFF	BWP	10sq. IX	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	.9
TWENTE	BWP	10sq. IX	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2.7
TWENTE TOTAL	BWP	10sq. XVI	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		10sq. IX	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOLKEL	BWP	10sq. IV	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2.7
VOLKEL TOTAL	BWP	10sq. IX	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		10sq. IX	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUVINCOURT	BWP	10sq. IX	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	.9
BOMBING TOTAL			86	66	30	24	35	94	18	6+3B+4E+21.C	1+1E+3.C	2+7E+2B+5.C	78	55	-	-	-	-
MINERALIERE	3	Stir.	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	12 sinq
		Stir.	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	12 sinq
		Stir.	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	12 sinq
		Hal.	20	19	-	-	-	1	-	-	-	-	-	-	-	-	-	38 sinq
		Hal.	29	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINERALIERE TOTAL			55	54	-	-	-	-	-	-	-	-	-	-	-	-	-	148 sinq
LEPINE	92	Well. III	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Well. X	6	6	-	-	-	-	-	1	-	-	-	-	-	-	-	-
LEPINE TOTAL			8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-

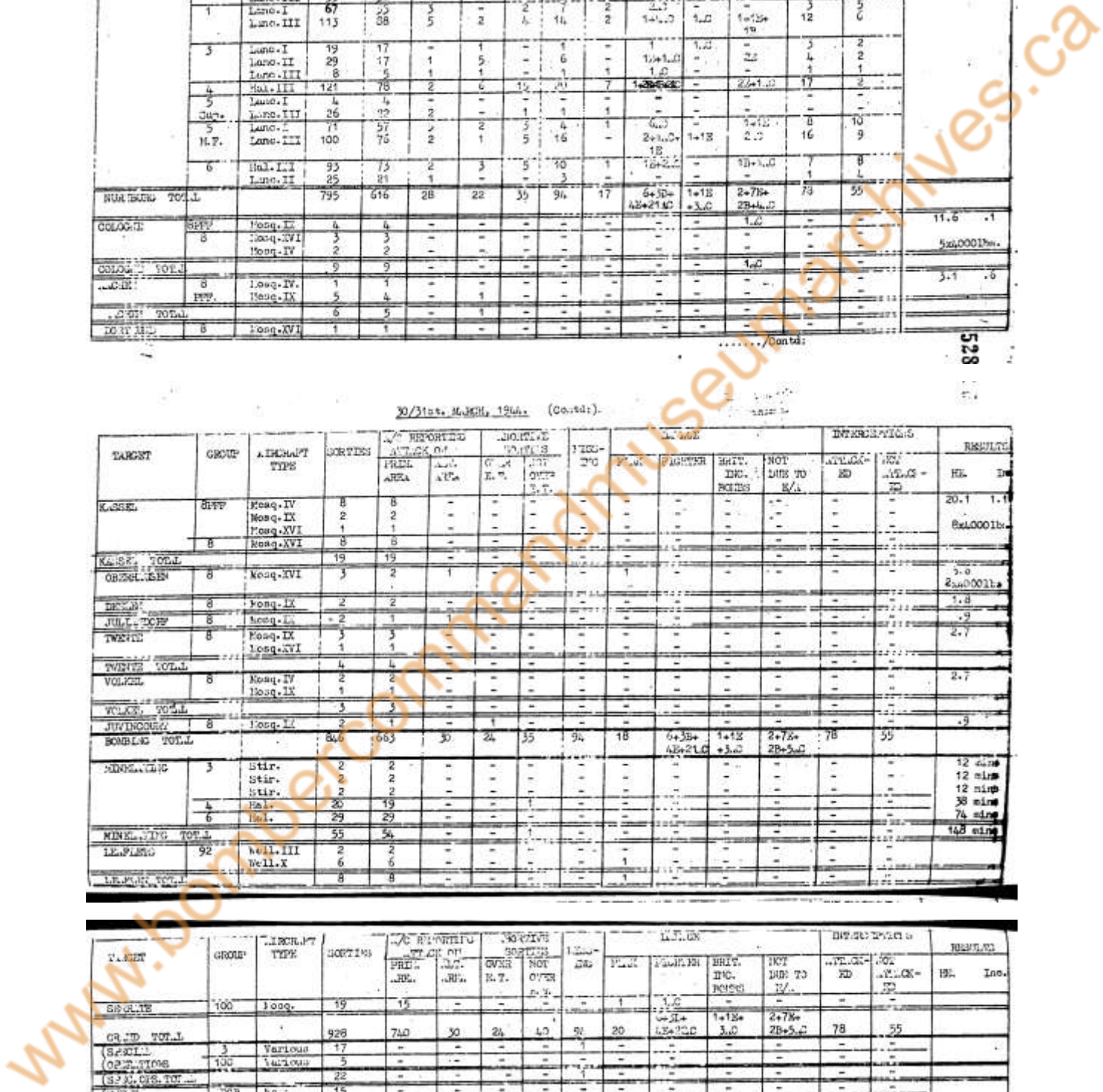
TARGET	GROUP	INCRPT TYPE	SORTING	% REPORTED ATTACK OF				CLASS- NO.	MISSES					INTERPRETATIONS		RESULTS		
				PREL. AREA	INT. AREA	OVER K.T.	NOT OVER		PLUG	FLIGHTER	BRIT. INC. BOMBS	NOT DUE TO IV.	ATLACK-ED	NOT ATLACK-ED	Ht.	Inch		
BRIGATE	100	10sq.	19	15	-	-	-	-	1	1.C	-	-	-	-	-	-	-	-
GRAND TOTAL			926	740	30	24	40	92	20	6+3B+4E+21.C	1+1E+3.C	2+7E+2B+5.C	78	55	-	-	-	-
SPECIAL OPERATIONS	100	Various	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPECIAL OPS TOTAL	100	Various	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WRECK	100	Various	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WRECK TOTAL	100	Various	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WRECK TOTAL	100	Various	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

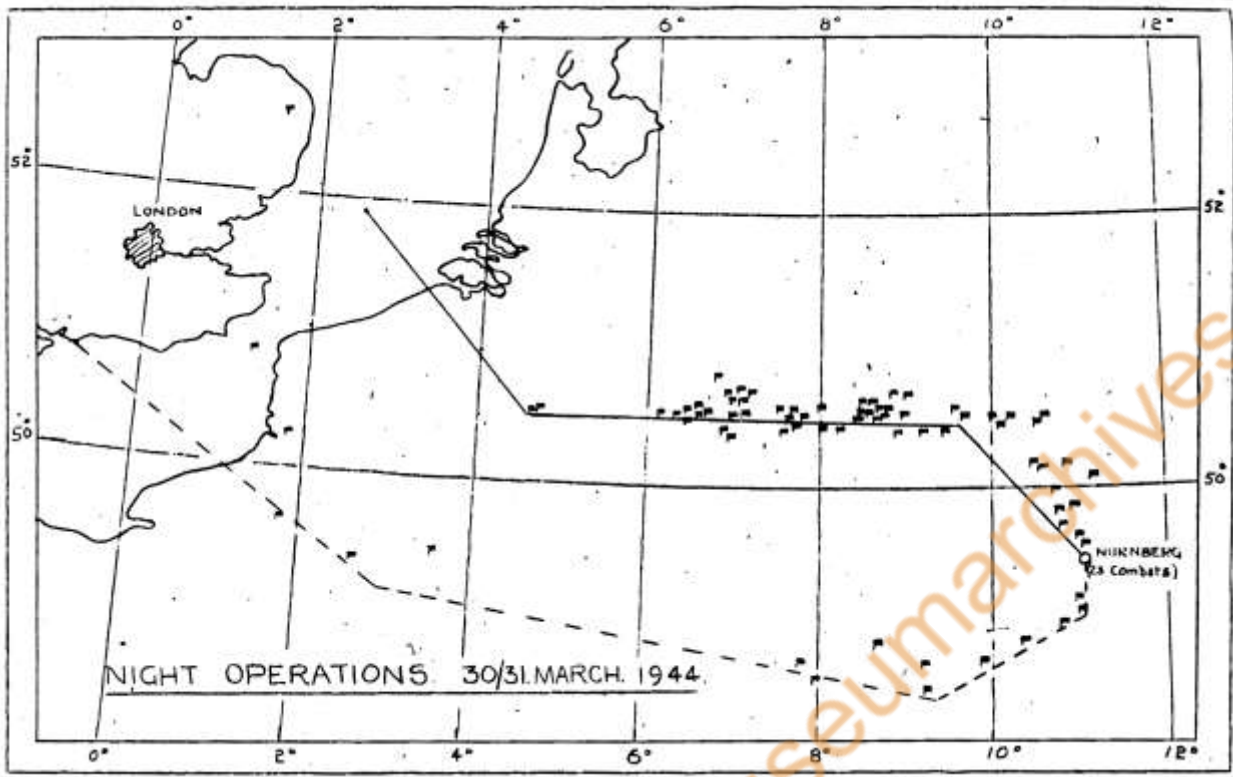
O.P.S.A.

* NOT INCLUDED IN GRAND TOTAL

LEPINE ... MINERALIERE ... BOMBING ... TOTAL

528





BOMB PLOT NOT AVAILABLE

BOMBER COMMAND REPORT ON NIGHT OPERATIONS.

31ST MARCH/1ST APRIL, 1944.

Essen Leaflets : Special operations.

SUMMARY.

1. Essen. 2 Mk.1 Mosquitos and 1 ALBUM LEAF attacked Krupp's works at Essen, the ALBUM LEAF and one Mk.1 on OBOE, and the other aircraft on D.R. Each dropped a 4,000-lb bomb. All returned safely.
2. Leaflets. 15 Wellingtons and Whitleys were sent from Training Groups to scatter leaflets over Northern France. All but one completed their task. No casualties were sustained.
3. Special Operations. 23 aircraft of 3 Group were despatched on special missions over the Continent. 21 completed their sorties. One Halifax was lost without trace.

WEATHER FORECAST.

1. Bases : - Variable convection cloud; wintry showers near east coast. Moderate visibility, with local smoke troubles. A belt of wintry precipitation, with cloud to great heights and patches below 1,000', will be across S. England from London to Anglesey.
2. Germany :- Much heavy convection cloud, towering high, will cover the North Plain almost to Berlin. Little cloud further south.
3. France :- Little cloud, except over north coast.

RESULTS.

	<u>Essen.</u>	<u>Leaflets.</u>	<u>Spec.</u>
No. of aircraft despatched	3	15	28
No. of aircraft reporting attack on primary aim	3	14	21
No. of abortive sorties	0	1	6
No. of aircraft missing	0	0	1

WEATHER EXPERIENCED.

1. Bases: - Frequent showers in evening. Widespread mist and fog in East Anglia after midnight.
2. Essen:- No cloud. Good visibility.

ENEMY DEFENCES.

1. No fighters were seen. All 3 aircraft on Essen were held for 7-10 minutes in searchlight cones at 30,000', and were engaged by intense and accurate heavy flak. This unusual activity is attributed to the enemy's concern with the 4,000-lb. bombs now carried on our harassing attacks.

CASUALTIES.

1. One Halifax of 3 Group, failed to return from a special sortie over the Continent. The cause and place of its loss are unknown. A Mosquito was slightly damaged by flak over Essen, and a Whitley was hit while crossing the French coast N. of Caen.

FM/111
C/S. 26342/6/ORS.4
16th June 1944.

TARGET	GROUP	AIRCRAFT TYPE	SORTING	NO REACTION (PAGE 01)				NO REACTION (PAGE 02)		MISS-ING	DAMAGE				EVALUATIONS		RESULTS	
				FRIG. AREA	ALT. AREA	OVER R. W.	NOT OVER R. T.	FLY	PROPHER		SMIT. INC. BOYS	NOT DUE TO R/A	ATTACKED	NOT ATTACKED	KG	Ino.		
BOMB	8	Boeing B-17	3	3	-	-	-	-	1	-	-	-	-	-	-	-	5.4	30,000
INFANTRY	51	Well.	4	4	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	52	Well. III	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	53	Well. X	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Well. In	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Well. III	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Well. X	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INFANTRY TOTAL			15	14	-	-	1	-	1	-	-	-	-	-	-	-	-	-
GRAND TOTAL			18	17	-	-	1	-	2	-	-	-	-	-	-	-	-	-
INFANTRY (KG) - 15 TONS; 10 FLAMING BOMBS; AIRCRAFT BOMBING; 10,000 LBS.																		
* SUPP. OPS.	3	Various	28	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-

* NOT INCLUDED IN GRAND TOTAL

G.R.S.3.

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