

166486 NG 58

BOTBER COMMAND REPORT ON NIGHT OPERATIONS 2/3rd MLY. 194

Meteorological advice Submitted to the Command

1. 0920 hours. The estimated position of fronts at midnight is (a) cold front, N. Scotland - N. Holland then along the parallel 52°N to 10°E. (b) feeble cold front, Isle of Wight - south of Paris then E.S.E.

Home Bases:- variable amounts of cloud, probably showers

N. Germany: - much low and medium cloud.

S. Germany: - variable amounts of layer cloud.

N.W. and W. France: - small amounts of cloud; moderate visibility.

1245 hours. Baltic Area: Between Kiel and Stettin broken low cloud with some convection cloud expected.

Prom Stettin to Danzig increasing amounts of low cloud with rain at times and base of cloud below 1,000 ft. in rain.

1715 hours. Home Bases:- 2,3 and 5 Groups should be fit for an early start. 5 Group will remain fit until midnight. 2 and 3 Groups will probably have difficulties with North Sea stratus which will spread inland in East Anglia but not west of 0°. 5 Group feel certain of diversions along South Coast and in S.W. England. 6 and 7 Groups will have visibility difficulties in the early hours of the morning. 4 Group are not expected to have visibility troubles or low stratus. 1 Group's inland bases should be fit although there may be slight visibility troubles from 0300 hours onwards.

Baltic area: Patchy strato-cumulus and much medium cloud as far east as 15°E, beyond which there are risks of low cloud with rain not clearing, and also low stratus forming over cold water.

Executive Orders

2. The weather conditions over the target areas on the Continent were expected to be unfit for bombing operations, but conditions were very favourable for mining. Strong forces of aircraft from 3 and 5 Groups were detailed to fill up the minefields in the Baltic Plan and to add fresh consignments to those on the west coast of France.

Leaflet dropping operations over Rennes by a small force of freshmen were also ordered.

Sorties !

3. 107 sorties were made. For details of the operations, see attached table. In the table only the results of the minelaying are shown and a sortie is shown as abortive even if the bombs which were also carried by most minelayers were dropped.

Weather Experienced

 Bases:- Little cloud, but patches of low stratus in eastern England; visibility moderate or good.

Bay of Biscay and Route: - Little or no cloud; patches of mist, fog or low stratus over N.W. Prance, otherwise good visibility.

North Sea:- 8 - 10/10 stratus, base 500 - 600 ft, top 1500 - 1800 ft, with occasional breaks.

South Dermark: - Little low cloud but much medium cloud at 8000 - 9000 ft; visibility good.

Baltic:- As for Si Dermark in the extreme west with cloud increasing eastwards to 8 - 10/10, base 300 - 600 ft., tops 14,000 - 18,000 ft. with rain and poor visibility.

Abortive Sorties

5. 15 sorties were abortive. 11 of these were due to inability to obtain a pinpoint owing to haze, 1 to a technical defect, 1 to the aircraft striking a cable, believed H.T., when flying at 100 ft. over enemy territory, and in 2 cases the reason was not given.

Casualties

6.

	Ti.	Group	Туре	Squadron		Ca	tege	ry	
E1		9	100	8.	Minor	A	.VC	B	E
Kissing		. 5	Manchester	106					2
Domaged by flak		. 3	Stirling	15	1				
	1	.3	Stirling	159	2				
2011 1 10 11		3	Stirling	218			1		
The Bosses of the	2020	5	Manchester	105	. 1				
		5	Lancaster	, 44					
Damaged by Enemy	Pighte	r 3	Wellington I	I 419				1	
Damaged, not by acti	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5	Hampden	408			1		

Summery

7. 96 aircraft were despatched on minelaying sorties over a wide area. Reasonably good weather conditions were met with in all areas except the eastern part of the North German Baltic Coast, where conditions were very poor, and the West Coast of Brittany where haze prevented some crews from pinpointing. In all 69 aircraft laid their mines in the allotted positions and 11 in alternative areas.

In addition to their mines a number of these aircraft carried a small number of 500 lb. or 250 G.P. bombs. 6 aircraft used these against ships, 2 against acrodromes, 2 against flak positions, and 1 against a cluster of searchlights, all the land targets being in Brittany.

2 of our aircraft are missing from this operation. Light flak was encountered at many points on the West Coast of France between Lorient and St. Nazaire, at Sylt and along the East Coast of Demark. There was heavy flak also from Guernsey, the Ile de Re and Lorient. 6 aircraft report flak damage. There were two attacks by enemy aircraft in one of which our aircraft was damaged.

11 freshmen were despatched to drop leaflets over Rennes. 10 of these did so successfully. The remaining one was unable to locate the target and dropped his leaflets in an unidentified position over France.

	2001	despatched	2000	eptions				claimin	ttacked	with bon	rimary bing, a	ning to have taking photos nowing	Reabhod		Cached Territo	Enemy	Bid no reach
			Attack	Others	Due to E.A.		Cause Unicnown	Target	Area	Ground details		Points Within 5 miles of Target	Bombed other Target	STATE STATE	other Target		E T.
DOLLATING	3	Well-III 43	2	6	1 Cat.B.			9	27	1			4	8		1	3
		Stirling 12			1 Cat.AC 3 Miner	7.5	*		11		*			1	-		
1	5	Hampdon 12	•			Gat.AC			10							2	
- 1		Manches ter 8		- 11	t Minor		2 mişsir	e e	4						2		
	_	Lancaster 2	1	2	t Minor				17				1		3		
EJILETS	5	Hampden :	200						2								
VIEW INC.		Manches ter	9+4					2	8			59	1				
•		107		9	1 Cat.B 1 Cat.AC 5 minor		C 2 miss	ing	79			15	6 Total	9 Abortive	5	3	, 112

Neteorological Advice Submitted to the Command

 0920 hours:- The estimated midnight position of the cold front is S.W. Scotland - Lincolnshire - Zuyder Zee - 52½0N

100 E. - Denzig.

Figs. Bases: The belt of precipitation over the British Isles associated with the cold front is expected to be narrow. North of the front variable amounts of convection cloud are probable. South of the front variable amounts of medium cloud with local visibility troubles, mainly due to smoke, are expected. Target Areas: Over Germany north of the front there should be little cloud and very good visibility. South of the front there will be much low and medium cloud, and in South Germany and Austria variable cloud. The weather over France will be fine with moderate visibility.

1305 hours. There is a doubt whether the cold front will be south of Hamburg in time for the cloud there to have cleared by 0200 hours. In the air mass behind the front there is strato-cumulus cloud and such cloud may be found over Hamburg after the front has gone over.

1715 hours. Home Bases:- Local visibility troubles in the South and
East ahead of the front, which is expected to have passed
4 Group early, moving South slowly. There will be no
serious trouble on the front or behind it, where the
base of cloud will be at 1,000 - 2,000 ft.

Hamburg:- The front is expected to have passed but there is much low cloud behind and it is uncertain when clearances will set in. There are about even chances of finding breaks in strate-cumulus cloud with base at 2,000 - 3,000 ft. and tops at 6,000 ft.

Pilsen:- Much low and medium cloud.

North and West France: - Small amounts of cloud.

Rhono Valley:- Rather bad with towering cumulus cloud in the valley and on the high ground to the North.

2015 hours. Hamburg:- There will probably be 6 - 8/10 cloud.

Home Bases: - 2 and 3 Group may be affected by low stratus or fog towards dawn.

Executive Orders

2. North lest Germany offered good bombing conditions with a short poried of good mornlight. A strong force was ordered to attack Kiel but later weather reports were less favourable and the numbers of aircraft operating were reduced by half and the target changed to Hamburg as this seemed to offer better prospects.

... small operation in which 2 aircraft were involved consisted of the dropping of special propoganda leaflets over unoccupied France. In addition minor operations - an attack on St. Nazaire, minelaying and leaflet dropping in occupied France - were allotted to freshmen.

..../Sortics

Sorties

The total number of sorties on this night was 104. For details of toperations see attached table.

Weather Experienced

4. Home Bases:- Little cloud; moderate to good visibility but local deterioration towards cawn.

North Sea and Dutch Coast: - Cloud 3-9/10, base 2,000 ft. tops 8,000 increasing to 8-10/10 in the east and over Holland; visibility moderate.

Hamburg:- 8-10/10 cloud, base 2,000 ft., tops 8,000 ft., but some good breaks to the North; visibility good above cloud.

Prance and Bay of Biscay: - Little or no cloud; visibility noderate a some haze over France.

Moon above horizon 94% of full.

Photographic Evidence

 Hamburg:- All the photographs taken with bombing on this raid show or cloud.

St. Nazaire: The two photographs taken with bombing by aircraft attacking this target both show the docks. No bursts are visible however.

Abortive Sorties

22 sorties were abortive.
 15 of these were due to technical defects,
 4 to inability to identify the target,
 2 to attacks by enemy fighters, and
 1 to icing.

Casualties

	Type	Squadron		- G	atego	ry	
	11.000	50:00 (St. 190:00) (St. 190)	Minor	A	AC	B	3
1	Well II	304					1
1	Well IV	300					1
4	Halifax						
4	Halifax	78					1
1	Well II	12	1				
1	Well II	305	2				1
3	Well III	101	. 2				
3	Well III	156	1	(*)			
3	Stirling		1				
3	Stirling		1				
4	Halifax	10	3				
ighter							
1	Well IV	300	1				
. 4	Halifax	10	1		201		
eny Actio	on						
3	Well III	9		*		1	
7000	Halifex	10					
	1 1 4 4 1 1 3 3 3 4 Pighter 1 4	1 Well IV 4 Halifax 4 Halifax 1 Well II 1 Well II 3 Well III 3 Well III 3 Stirling 4 Halifax Pighter 1 Well IV 4 Halifax	1 Well IV 300 4 Halifax 76 4 Halifax 78 1 Well II 12 1 Well II 305 3 Well III 101 3 Well III 156 3 Stirling 7 3 Stirling 15 4 Halifax 10 Pighter 1 Well IV 300 4 Halifax 10 Menny Action 3 Well III 9	1 Well II 304 1 Well IV 300 4 Halifax 76 4 Halifax 78 1 Well II 12 1 1 Well II 305 2 3 Well III 101 2 3 Well III 156 1 3 Stirling 7 1 3 Stirling 15 1 4 Halifax 10 3 Pighter 1 Well IV 300 1 4 Halifax 10 1 1 Well IV 300 1 4 Halifax 10 1	1 Well II 304 1 Well IV 300 4 Halifax 76 4 Halifax 78 1 Well II 12 1 1 Well II 305 2 3 Well III 101 2 3 Well III 156 1 3 Stirling 7 1 3 Stirling 15 1 4 Halifax 10 3 Pighter 1 Well IV 300 1 4 Halifax 10 1 Acres Action 3 Well III 9	1 Well II 304 1 Well IV 300 4 Halifax 76 4 Halifax 78 1 Well II 12 1 1 Well II 305 2 3 Well III 101 2 3 Well III 156 1 3 Stirling 7 1 3 Stirling 15 1 4 Halifax 10 3 Pighter 1 Well IV 300 1 4 Halifax 10 1 acry Action 3 Well III 9	1 Well II 304 1 Well IV 300 4 Halifax 76 4 Halifax 78 1 Well II 12 1 1 Well II 305 2 3 Well III 101 2 3 Well III 156 1 3 Stirling 7 1 5 Stirling 15 1 4 Halifax 10 3 Pighter 1 Well IV 300 1 4 Halifax 10 1 acry Action 3 Well III 9 1

Summary

8. Hamburg

The hope that the cloud over this target would have cleared by the time that our aircraft arrived was not fulfilled and most aircraft found 10/10 cleover the target. 56 of the 81 aircraft despatched, however, claim to have

..... /r \$2 3

bembed the target area mainly on E.T.A. and D.R. from the mouth of the Elbe which was the last position which most crews were able to pin point. The glow of fires was seen against the cloud and 1 aircraft, which was able to see through a gap, reported that there was a large fire in a built up area thought to be the north part of the town. This is confirmed by a reliable intelligence source which reports that very severe damage was caused to property in the northern parts of the city. The "Hamburger Fremdenblatt" of May 5th says that almost without exception our bombs fell in densely populated residential districts where dwelling houses, I cinemas and 2 theatres were destroyed or damaged.

Aircraft which were unable to reach the target area bombed Heligoland, Jever aerodrome and various towns on the coast close to the mouth of the Elbe.

5 of our aircraft are missing from this operation. There was noderate to intense accurate predicted heavy flak over Hamburg and over Cuchaven and moderate to intense light flak from many points in the Kiel Canal area and around the Elbe estuary. Demage by flak is reported by 11 aircraft one of which had to come down into the sea as a result. 2 of our losses may possibly be attributed to flak. Night fighters were active and there were a number of interceptions and one attack over N.W. Germany and Schleswig. There were also two attacks over the North Sea. 2 of our losses may be due to night fighters. An M.E. 110 is claimed as destroyed and a twin engined enemy aircraft, probably a Ju. 88, as possibly destroyed.

The attack on Hamburg lasted in all for 1½ hours from 0117 hours to 0230 hours. All except 4 of the 54 aircraft attacking the target, however, bombed in the 40 minutes from 0125 hours to 0205 hours.

St. Nazaire

The docks of this French port were attacked by a force of 9 freshmen in good weather conditions. 5 of these claim to have bombed the docks and the accuracy of their target identification is borne out by the photographs taken with bombing. 2 more claim to have dropped their bombs in the near neighbourhood.

. Aerodromes in Holland

None of the 4 Blenheims which set out on this task attacked. 3 were unable to find this target owing to 8 - 10/10 cloud and the remaining one had to return early owing to engine trouble.

Mines were successfully laid by the 2 aircraft (freshmen) despatched on this task.

8 aircraft (6 freshmen) were despatched to drop leaflets over a .
number of towns in France and all except one did so successfully.

BC/S. 26342/1/ORS. 8th June, 1942.

Target	Group	_iroraft despatched	Intere	eptions		Consuelt		of A/C			ming to have taking photos		d Target		d Energy	
	1 73	deapstone	- 20					attacked				Area			itory	not
ACCIPCION I		44	Atti cka	Othora	Due to E.A.	to E.A.					Points within 5 miles of Target	Bombed other Turget	abortive	Bombed other Target	abort- ive	FG0
HASSURG	1	Well-II 8		2	1 Cat.E 3 Minor	10	nissing	5		1				2		
12.01	19 7	Well-III 10		2				7	100					1		2
- 1	1 1	Well.IV 9	9 1	1		112.00	missing	5	1	1.00				2	32.3	1
- 1	U., 3	Well-423 2	*	1.		-		2.					-		-	
- 1	3	Well-III 14		2	3 minor			8							1	5
- 1	115 1	Stirling 13			2 minor			8	-				1			14
	4	Halifax 20	2	1-2	5 minor		missing	15	-	-				1		1
	5	Hampden 5		-				I,	-	- 2				1		
T, M.ZAIRE	1 1	Well.Io. 2 +		1				2	-			_			_	-
	3	Well-II 2 +			1 minor			1 1.	4	92						
1	1	Well. IV 3 4			1 minor			1	2	2		-	-	_		2
	3	Well-III 1 +		_				1	4			-		_	-	-
		Stirling 1 +			-	-	-			- 1			-	_	_	-
TOWNHOVEN AVI		Blenheim 2					5 10						1		_	1
TLZERITEN A	D 2	Blonheim 2					-	-					2	- The Contract	-	-
EDGELAYING	3	Well-III 1 -						1				2.		5100		
	5	Lancaster 1 +						1				-		-		-
A.PLETS	1	Well. Ic. 3 4			-			2							1	
	8111	Well.IV 1 -						1			F					
- 1	10	Well.423 1 4						1					C			
- 1	- 5	Manches terf +	4					1								_
	96.3	Lancapter 2	1					1 2	1							_
		104	٠.	13	1 Cat.E 5 minor	1 Cat.B	5 missing 5	65	SISMH!	8			4 .	7	2	16
	Presh	men	* Not	fitted	T.R. 13	55			0	g			Total Abo	rtive	22	

MIGHT RAID REPORT NO. 60

COPY NO./6

BONDER COMMUND REPORT ON NIGHT OPERATIONS, 4/5th MAY 1942

Meteorological Advice submitted to the Command

1. 0920 hours. The co

The cold front now running East to West through Central Germany is moving South and by midnight tonight will lie along the Alps.

Home Bases:- fine, with local mist towards dawn.

France: - fine, ground haze locally.

North Sea Coast of N. Germany: - much layer cloud.

Western Germany west of 10°E:- cloud decreasing at night, probably to small amounts; moderate visibility.

Germany east of 10 E:- Patches of residual convection cloud; good visibility.

1310 hours.

Home Bases:- 3 Group, most of 1 Group and part of 2 Group satisfactory all night. 5 Group unfit by dawn locally. There may be difficulties at 4 Group owing to the rising dew points in air spreading from the West.

Cologne:- Strato-cumulus will probably disperse by day and spread inland from Dutch Coast again at night. At Cologne however it is not expected to form again until midnight, or possibly considerably later. The Frankfurt, Mannheim area is least likely to be affected by cloud.

Pilsen:- 10/10 strato-cumulus expected.

France: -. Pine.

1715 hours.

Stuttgart:- At best there are even chances of good breaks, but the general opinion is that there will be at least large patches of strato-cumulus.

Cologne: - The strato-cumulus is unlikely to reach Cologne before 0200 - 0300 hours.

Pilsen:- Very cloudy, probably with cloud in several layers.

Hone Bases:- 1 Group expect that their eastern bases will be fit all night. 2 and 3 Groups also expect some bases to remain fit all night, but visibility will probably be about 2,000 yds. 4 and 5 Groups will probably require diversion into 2 and 3 Groups. 6 Group will remain fit all night.

2005 hours. Hore Bases:- No change from outlook at 1715 hours.

Middle and Upper Rhine: - Well broken cloud. Prankfurt and Mannheim more likely to have breaks than Stuttgart but good breaks my class to found there.

Pilsen: - Chance of broken cloud.

Executive Orders

 Cologne was originally selected for attack, but because low stratocumulus cloud threatened to cover this area, the target was later changed to Stuttgart where weather conditions were expected to be more favourable.

.../Half

Half the force, carrying incendiary bombs, were given an aiming point in the built-up area of the Town, the other half, carrying H.E. bombs, were given the Bosch factory at Feuerbach as their target.

A small operation against the Skoda works at Pilsen was also ordered.

A force of Preshmen was given the docks at Nantes as their target, because it was reported that there was a concentration of tankers in the docks, and others were sent on leaflet dropping and minelaying operations.

Sorties

3. The total number of sorties despatched was 149.

For details of the operations see the attached table.

Weather Experienced

4. Stuttgart:- 7-10/10 cloud with base about 5000 ft. Considerable ground hase reported by most crews. Conditions over South West Gormany appear to have been variable, however, and some crews report no cloud and other good visibility below the cloud. The attack was very scattered however and all these reports may not refer to the target area.

Pilsen:- 4-6/10 layer cloud at 2000 - 3000 ft, 10/10 layer cloud at 7,000-9,000 ft; haze.

Nantes:- No cloud, poor visibility.

North French and Dutch Coast: - No cloud.

Routes:- To Stuttgart. No cloud over Belgium and N.E. France becoming 8-10/10 about 50 miles west of Stuttgart, base 5,000 ft, tops 8,000 ft. Ground haze over continent.

To Pilsen: - No cloud to about 7° or 8° E. then increasing.

Bases:- 1 Group. Pit till 0300 hours, then mist patches becoming extensive towards dawn.

2,3 and 4 Groups. Pit all night.

5 Group. Fit until 0300 hrs. then local fog and mist developing.

Moon above the horizon, 77% of full.

Photographic Evidence

5. Only 1 of the 22 successful photographs taken with bombing by aircraft attacking Stuttgart is within five niles of the target. The single photograph taken with bombing at Nantes shows bursts in a built-up area just South of the docks.

Abortive Sorties

6. 23 sorties were abortive. Of these 5 (3 on Stuttgart and 2 on Nantes) were due to inability to identify the target owing to the adverse weather conditions, 3 were due to enemy opposition, 14 to various technical defects and 1 to damage done to the aircraft during take-off.

Casualties

7.			G	roup	Туре	Squadron		Ca	tega	ry		٠
				-			Minor	A	AC	В	B	
	Missing.			20								
	Missing.			1	Well.Ic	103					3	
				3	Stirling	149	3.5				1	
				3	Stirling	218					1	
	Damage by Plak		15	1	Well.IV	301	1					
,	ii ii ii			1	Well.IV	460	1					
			17	1	Well.III	57		1				
	5 to			3	Well.III	75	2			•		
				3	Well-III	419	1					
			•	3	Stirling	218	1					
				4	Halifax	35	1					
				5	Hampden	420			1			
				5	Lancaster	41	1					
	·			5	Lancaster	97				-	1	
	Damage by Enemy			3	Stirling	218			1		2.	
	Pighter			5	Hompdn	420			1050	2.5	1	
	Damage Not by Ene	wa.		1	Well.Ic	103						
	action			1	Wel .II	12			4	32		
	200 02011	7		3	Stirling	218			-		14	
				ĩ.	Halifax				4			
				-+	TIGITI GY	35						

Summary

8. Stuttgart:- 70 a/c were detailed to attack this town and 51 to attack the Bosch Yorks at Feuerbach on its outskirts. The weather was less favourable than had been expected, with 7 - 10/10 cloud and considerable, ground haze. Only one aircraft claims to have found and bombed the Bosch Works but 73 state that their bombs fell in or close to the town. In many cases, however, aircraft bombed on E.T.a. and the position of red flares and not on any visual identification. The photographic evidence suggests that the attack was very scattered and that very few aircraft found the target. A number, however, bombed the same target as they saw each other's. incendiaries fall and a few considerable fires were started. A reliable intelligence source who was present states that the districts of Heumaden and Lillanbuch to the S. of Stuttgart were on fire all night and it is therefore possible that this area received most of the attack. A number of aerodromes and built-up areas were bombed by aircraft who failed to find the target.

One aircraft is missing from this attack. 12 were damaged by flak and one by an enemy fighter. The flak over the target was only moderate in intensity, and not very accurate, but intense accurate heavy flak was encountered over Ostend by some aircraft.

The attack lasted for one hour from 0054 hours to 0155 hours. 53 of the aircraft claiming to have bombed the target bombed in the 20 minutes from 0110 - 0130 hrs.

Pilsen: - 3 of the 5 aircraft despatched to bomb the Skoda works claim to have found and combed their target from beneath 10/10 cloud at 7000 - 9000 ft.

One of the other two was unable to find the target and bombed Mainz on the way home. The remaining aircraft is missing.

One aircraft was damaged slightly by flak during this raid and one was so severely damaged by an enemy fighter that it crashed on landing and had to be written off. Nantes:- Heavy ground haze mode identification of this target diffic and only 4 of the ? freshmen which set cut to attack it did so. The one photograph taken provides evidence of the successful target identification One aircraft which failed to find the target bombed St. Nazaire as an alternative. One circraft is missing from this operation.

Leaflets: - 6 aircraft (4 freshmen) left on leaflet dropping sorties over France. One had to return early owing to a technical defect. The remainder dropped their leaflets successfully but one was shot down by a friendly fighter on the return journey. The crew baled out successfully.

Minelaying:- The 8 aircraft despatched on this task successfully lai their mines.

BC/S.26342/1/ORS. 9th June 1942.

Target	Grou	despatched	Interes			Casuniti		olaimi have a	ng to			taking photos , whowing			Torme		100
			Attonka	Others	E.A.	to E.A.	Cause unknown	Target	Target	Ground details	Primary Target	Points within 5 miles of Target	Bombod other Torget	Abortive	other Target	ivo	E.7.
TUTTGART	3	Well-III 34	11	6	1 Cat.A	1			24	-		E. 5.	4	3	1	1	1
0.3	- 1	Well-423 3		100					3	1 :	100						
		Stirling 12		7.50	1 Cat.E		1 missir	×	6	1	M 75		2	1		1	1 1
	4	Halifax 7				1 Cateri			3	22	-	1		1	1	1	1
	5	Lancasteri4		-1	1 Cat.E 1 Minor				11				2000	-1	1	1	-30
KOSCH WORLS	1	Well-Ic. 8*		2	À	1 Cat.B	V V		3	1	100		3		5		
EU ERBACH	1	Well-IV 16"	1	1	2 Minor				3				11			1	11
R. STUTTGA	HT 4	Well-II 8"		1 2 2 2			+11		5	1				-	1	2	
	5	Banp. 19*	1		1 Cat.E			1 1	15	i					1	1	1
PILSEN	3	Stirling 5	1		1 Cat.AD		1 missir	E 3					1				117
UNITES	1	Well. Ic 1+				Taxonia .	1 missir	ng.									_
(C)(-112.)	- 1	Well-II 1+	1			1 Cat. A	-	. 1.		1	- Dec 16		T 100				
- 1	- 1	Well-III 2+				-		2		1	1	Mile and	1000				
- 1	3	Well-III 3+						28170		250	20 10		1	2			
		Stirling 2+						1				Nat-payment		1		37.7	1
EFFLETS	1	Well-II 1+				-100			1							- 1	
		Stirling 1			6	1 Cat.E			1								
		Halifax 1							1				0.00				
		Man. 3+		11-2					2								1
DILATER		Hampdon 3+			7				3								
	1	Man. 5+			C				5							-	
• ٧ /		. 149 T.R. 1335	٨	10	2 Cat-AC	1 Cat.E 1 Cat.B 2 Cat.A	g hinds	8 g	87	8			22 Total	9 Abortive	7 23	8	6

⁺ Presimen

NIGHT RAID RAPORT NO. 61

BOHER COMMUND REPORT ON HIGHT OFFICITIONS 5/601 MAY, 1942.

Meteorological Advice submitted to the Command.

1. 0920 hours:-

The estimated position of the warn front at midnight is 61° N, 10° E. - 56° N, 10° E. - N.V. holland. Liong the North Sea coast of the continent and for some distance inland there will be such medium and some low cloud. The medium cloud will decrease inland and little of it is expected over the Ruhr. At Hansver the medium cloud should be well broken. Elsewhere over Cernany the weather will be fine with some ground haze.

Prance:- Fine with mist developing locally in the morning, particularly about dawn.

1245 hours:-

The threat of fog in East Anglia and South Lincolnshire in the early hours of the norning is now regarded as serious. Otherwise as at 0920 hours.

1730 hours: -.

Stuttgart: There may be increasing medium cloud during the night, but it is expected to be broken . Ground haze is probable.

Prance: - Good conditions.

Dorrierk. Heligoland Bight (rea: Weather conditions may be bad with strong upper winds. The Baltic area off Denmark is expected to be bad, but in the Heligoland area there is a chance of no cloud below 1,500 ft.

Home Bases: No difficulties before dawn. There is risk of rapid and widespread deterioration of visibility after daylight in 2, 3 and 5 Groups, but 1 and 4 Groups do not expect serious visibility troubles. Any diversions will have to be northwards as Southern England is unpromising.

Executive Orders

 Stuttgart and the Bosch works were again chosen as the main target in order to continue the attack of the previous night, and because the weather there offered the best conditions for bombing.

A force of frush on were again ordered to Nantos where the docks held profitable shipping targets and a few aircraft were sent out to drop leaflets.

Sorties

3. 110 sortius in all warp made. For details of the operations see attached table.

Woather Experienced

4. Stutterrt: The only cloud was small amounts of cirrus. Heavy ground haze was reported by most crews.

Hantes :- No cloud; ground haze.

Inland in Prance: - No cloud; ground hazd. Noon above the horizon.

.../5.

Photographic Evidence

5. Stuttgart: - Only 1 of the 24 photographs taken with bombing has been plotted within five miles of the target. 9 photographs have been plotted over open country 5 - 7 miles S.T. of the town, suggesting that a doppy was in operation. This has not, however, been cenfirmed.

Nantes: - The 5 photographs taken with bombing during this attachment all show open country and none have been plotted within five miles of the target.

Abortive Sorties

6. 23 sorties were abortive. 13 of these were due to technical defect 9 (1 on Stuttgart, 8 on Nantes) to imbility to find the target and 1 was due to the aircraft swinging on take-off owing to a cross wind.

Casualties

7.	Group	Type	Squedron			ogory .	
	3	2 2 2		Minor	۸. ،	ш. В.	E.
Kissing	1	Woll.II.	12				1
	1	Woll.III	150	100			1
	1	Woll.423	305				1
898	3	Btirling	7				1
1220-000-000-002-00							
Damaged by .	1	Well.III	150	2	6000 (d)		
Flak .	1	Woll. IV	142	1	3.5		
	3	Woll. IC	156	1			
Damaged by	1	Woll. II	12				
Enouy Pighter	4	Halifax	. 10	8	3	1	
						2	
Not due to	1	Woll. II	305				1
Encay Action	1	Woll. III	150				2

SULDIARY

8. STUTTGET On this night there was no cloud over STUTTGET but he ground haze was encountered and this, combined with the darkness of the night, made pinpointing of the target very difficult.

41 aircraft were despatched to bomb the town of Stuttgart and 36 to attack the Bosch factory at Fouerbach on the outskirts. No crew claim to have identified and boabed the Bosch factory. 54, however, claim to have bombed the town although a large proportion of these bombe on E.T.L. without seeing any ground detail, and others only to have identified bends in the River BECKAR and not to have seen the town. Scattered fires, a few of them large, are reported. The photographic byidence does not suggest that the chosen targets were hit in this raid and its result must be regarded as very doubtful.

2 errors who were unable to locate STUTMGART claim to have bombed acredromes in the vicinity. 4 aircraft which had to return early for various reasons bombed alternative targets, one SAMREBUCKET, where a very large fire was started, one OSTEND DOGNS, and two separates.

Two of the 54 aircraft claiming to have attacked this target did a at 0105 hours and the remainder in the 40 minutes between 0115 hours an 0155 hours.

Four of our aircraft are missing from this operation. Molerate predicted heavy flak, not very accurate, was encountered over the target and also over KARLSHUE and 3 aircraft were damaged. There was very little light flak. Energy night fighters were encountered both over the target and ever the French Coast, 5 attacks being made, resulting in damage to two of our aircraft. It is probable that two of our losses we due to energy fighter action. In M.E. 109 is claimed as destroyed by a Halifax.

MANTES. 19 Preshmen were detailed to attack this target. Heavy haze was encountered and only four aircraft claim to have bombed the target. One reports that a fire was started. I others state that they dropped their bombs in its neighbourhood. None of the photographs taken with bombing, however, has been plotted within five miles of the target and it is unlikely that any success was achieved.

One aircraft which failed to identify the primary bombed CHATEAU DOUGO! acrodrome another CHEREGURG Docks and two more S.T NAZAIRE Docks

One aircraft attacking this target received minor damage from flak.

SCHIPOL AEROPROME. Two of the four Plenheims despatched to this target claim to have bombed the airfield and one the Aerodrome building. The remaining one was unable to be certain, owing to the dark, that his bombs hit the primary target.

<u>LEAFLETS</u>. Nine of the ten freshmen sent on this operation successfully performed their allotted tasks. The remaining one nover took off owing to the aircraft swinging when taxying.

BC/S. 26342/ /ORS. 30th May, 1942.

	to S.A.	Cause unknown 1 missing			Bround Betails		Points within 5 miles of Target	b mbed other Target	abortive	other	Abort-	27.
3 1 Cat.AC		1 missing		13	4					Target	1	11.5
3 1 Cat.AC		1 missing				1			100		3	1
1 minor				8				V-01	1		1	2
				8	100		1			2	1	
2 minor	1 Cat.E.	1 missing		6	24	-	1 1				1	1
	2 Cat.E.	1 missin		7			1 W			1		
1 minor			1	8	16			2			1	1
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Freshern • Not fitted T.R. 1335

NIGHT RAID REPORT NO.62

COPY NO./6

BONBER COMMAND REPORT ON NIGHT OPERATIONS MAY 6/7th 1942

Meteorological Advice submitted to the Command

1. 0915 hours. Estimated positions of fronts at midnight are:- (a) Occluded front, Inverness-55°N 5°E - Berlin (b) cold front Stornaway - 61°N 40°E (c) warm front 60°N: 40°E - Copenhagen.

Home Bases: - variable amounts of medium cloud and high cloud; visibility moderate.

Germany:- North of 52°N. much medium and low cloud. Between 52°N and 50°N variable amounts of medium and high cloud. South of 50°N. fine with some ground haze.

Prance:- Pine with some ground haze and patches of sea fog on the west coast between Brest and Bordeaux.

1300 hours. No change.

1710 hours. Home Bases:- There will be local smoke trouble in 1, 4 and 5 Groups but otherwise satisfactory.

Stuttgart:- Fine; haze present but no worse than previous night. Small amounts of cloud en route.

France: - No cloud; visibility at Nantes should be good.

Executive Orders

 Stuttgart was in the area in which the best weather conditions were expected and a continuation of the attack of the two previous nights was ordered.

Freshmen were again sent to Nantes to continue the attack on that port. A few aircraft were also sent out to drop leaflets.

Sorties

 The total number of sorties despatched was 129. For details of the operations see attached table.

Weather Experienced

4. Stuttgart:- No cloud reported by most crews and small amounts by others. Visibility poor with considerable ground haze particularly during the later part of the attack.

Route to Stuttgart:- Only scattered cirrus cloud encountered en route.

Extensive patches of thick ground haze over the Continent.

Nantes:- · No cloud; much haze.

Home Bases: - Small amounts of cloud, moderate visibility.

Photographic Evidence

5. Stuttgart:- None of the 30 photographs taken with bombing have been plotted within 5 miles of Stuttgart. Most of the photographs which have been plotted lie in the neighbourhood of Heilbronn or Phillipsburg. Pires are seen burning in the town of Heilbronn and useful damage was certainly

done there. In Phillipsburg, however, there are no fires and it is possithat a decoy may have drawn the aircraft to this area.

Nantes: - 1 of the 5 successful photographs taken with bombing shows dock area and 3 more are within 5 miles. This sticks of bombs bursting in to m can be seen and there is a steady fire burning close to the river bar probably in the dock area.

a reconnaissance over the area on May 7th showed that there was a fai amount of damage which could be attributed to the raids of this night and two previous nights. Most of this damage occurred on the island or in the industrial area on the North Bank of the river in its immediate vicinity. 8 industrial or shipyard buildings have been destroyed or seriously damage and a further 4 damaged. There are also some incidents in residential property.

Abortive Sorties

. 7

6, 24 of the sorties on this night were abortive. 5 (2 on Stuttgart, 2 . Nantes and 1 on Schipel acrorrone) were due to inability to locate the tar 13 to technical defects, 1 to an attack by an enemy fighter, 1 to the illn of the pilot, 1 to a navigational error and 1 to the aircraft being hit or Karlsruhe by d 4 lb. incendiary bomb from one of our own aircraft. In 2 cano reason was given.

Casualtics

7.	3540 8 8		Group	Type	Squadron		Category	
		- 12 - 12 - 140 - 1		.1	a such t	Hinor	A AC B	
	Missing	2.5	1 1	cli.IV	460			
	ALLOUZING			Blenheim	18.			
		24.4		ell.III	115			
		W 88.000	3 1	mell.III	419	72	1 TO 1	
			4 1	Halifax	35		33.5	
						1.4		
	Damaged by Flak	W	1 1	Well.IV	. 460	1		
			3 1	Well.III			. 1	
			3 1	Stirling	15	1		
			3	Stirling		. 1		
		3	3 1	Stirling	218		. 1	
	- 1	60		Well. II	158	1		
			4	Halifax	10	1		
	Danaged by eneny	fighter	5	Lancaste	r 44	T.		Ē
	Damaged not by e	neny	1	Well.Ic.	103		1	
	action			Stirling	9 (85) (97) (7)			

Summary

8. Stuttgart 97 aircraft were despatched to attack this town and 57 class to have bended it. Haze was again encountered and this nade target identification difficult. Here ground detail was, however, seen by crews than on the previous two nights, but the photographic evidence suggests that on the whole aircraft failed to find the target and that the brunt of the attack fell on Heilbronn. A number of crews report fires in built-up area and it appears from the photographs that these were in Heilbronn.

11 aircraft which were unable to find the target bombed aerodromes ambuilt-up areas in the neighbourhood of Stuttgart. 4 aircraft which were unable to reach the target for various reasons dropped their bombs in the neighbourhood of Saarbrucken, 1 bombed Karlsruhe and another an aerodrome between Hazebreuck and hire.

The aircraft which claim to have attacked Stuttgart dropped their bombs between 0035 hours and 0132 hours.

6 of our aircraft are missing from this operation. Night fighters w

active over the target and at many points en route. 5 attacks were made on our aircraft, and 2 of the enemy fighters are claimed as probably destroyed, one by a Stirling and one by a Lancaster. In addition a Halifax and a Lancaster both claim to have destroyed enemy aircraft which they encountered but which did not fire on them. 2, and possibly 3, of our losses appear to have been due to enemy night fighters.

Moderate light and heavy flak were re-orted over the target and over Karlsruhe, and 7 of our aircraft report damage. 3 of our missing aircraft were probably destroyed by flak.

Nantes 19 freshmen were despatched to attack this target. 3 of them claim to have dropped their bonbs in the docks and 6 more to have done so in their near neighbourhood. The photographs taken with bonbing confirm that the raid was a success.

__erodromes in Holland Eindhoven, Leeuwarden, Schipol and Soesterburg aerodromes were attacked by 1 Blenhein each. The aircraft bombing Leeuwarden and Soesterburg aerodromes claim to have attacked their primary target. Schipol aerodrome could not be identified by the aircraft which was detailed to attack it and it therefore brought its bombs back to base. The aircraft which set out to attack Eindhaven is missing.

Leaflets were dropped successfully by the 9 freshmen who were detailed for this task.

BC/S.26342/3/ORS

1.6.42.

Target		Airoraft despatched	53	terception	25	Conuniti		No. of claim: have a	ne to	boebed	Primary	ning to have taking photos howing Points within	loen.c/nec	ling to	Readned	Enemy	Didnot
				ks Others			unknown	rarget	Area	details	Target	Points within 5 miles of Target	Sombed other Target	200000000	Boshed other Target	ive	ET
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		Well-IV. 10		1	Minor		2 missi		- 6			1	- 2	4			
- 1		Well.HI. 31	1	1 1	Catak		3 missi	ng	17			9	- 6	2	2	1	100
ŀ	-	Stirling 15	. 2	+ !	Cat.C	1 Cat.E		1	10	30		100	,		+	.3	1
1	4	Well-II /			1 Minor				3						1	1	3
- 1		Halifax 7		2	Minor		1 minnin	35	2				.1	0.000	1	1	1
- 1		Hampden 10							8			i				1	1
	I	Lancaster10	1	1 1	Cat. S				7						1	1.0	1
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ROOMANDEN IN			•				- 1100	1								-1177	
CHIPOL AD	2	Blenheim 1			- 5				117	-300				1			
DESTYSEE FOR A	D 2	Blenheim 1	•					1								2	
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0000000		Well.IV. 2						40,010		41		8	1000			200	. 2
Г		Well JH. /						3	- 5	Tersy	87 1	to Delivery 1	1	10	507.		Mark Street
201		Stirling 2		1					1	7	10.0	3	12.00	1			10-2
	5	Scapden 2	-		_			2		13 m	W ~~ 1		41				
		M'ter 2	_					2			_		_				
KAPLETS		Stirling 2					5 5%	11/11/11	2				10			100	
		Halifax 2							2				-	-		1	
1	51	M'ter 5		1 1					3			Control of the last		11 5 11		-++-	
		129	5	8 1		1 Cat.		ing 10	72	20	**		11	5	-5	. 9	10

eshmon * Not fitted T.R. 1335

Total Abortive 24

MIGHT RAID REPORT No.63

COTY No./6

BOUBER CONSIAND REPORT ON WIGHT OPERATIONS 7/8th May, 1942

Meteorological Advice Submitted to the Command.

0920 hours. The estimated midnight position of the cold front is N.W.
 Ireland - Spurn Head - Zuyder Zee - South of Berlin.

Home Bases: - A narrow belt of low cloud behind the front; otherwise fair with mist patches towards dawn ahead of the front.

Target Areas:- In N. Germany, immediately behind the front, there will be a narrow belt of low cloud which is expected to clear along the Baltic Coast giving very good visibility. Ahead of the front there will be variable amounts of medium cloud decreasing to small amounts south of 50 N. There will be haze in the valleys south of 50 N. France will have fine weather with haze.

1240 hours. The estimated midnight position of the cold front is now further south along the line N. Wales - Norfolk - North of the Ruhr, then eastwards. The cloud along the front is not expected to be deeper than 10,000 feet in the western North Sea.

Home Bases:- Front not expected to give much precipation but mainly strato-cumulus cloud.

Otherwise as at 0920 hours.

1720 hours. The estimated midnight position of the cold front is now further south than previously over the British Isles, and south of home bases.

Home Bases: - Over East Anglia cloud may be down to 1,000 feet occasionally but on the whole the cloud base will be 1,500 feet or more. In the north of the home base area cloud will break up especially inland.

Heligoland and S. Denmark:- Cloud 5 - 7/10 stratus or stratocumulus base about 2,000 feet. Some convection cloud, tops 10,000 feet may be encountered on route over the North Sea with icing conditions in it.

France:- Aircraft will have to pass through front, Thunderstorms are not likely and conditions along the front should not be unduly unfavourable, with cloud base not below 1,500 feet. Conditions at Nantes should be favourable but there will be fog over the sea to the west. Clear skics and reasonable winds are likely over Central and Southern France.

Executive Orders

2. Clear weather was forecast for the north coast of Germany and all direraft which could carry out sea mines and were due to operate this night were detailed for ninelaying in accordance with the Paltic mining plan.

An attack on St. Nazaire by a small force of freshmen was also ordered and on Halifax freshman was despatched to drop leaflets over Vichy and Clement Ferrand.

Sorties

 The number of sorties despatched was 87. For details of the operations see attached table, in which, for the minelaying aircraft, only the results of the minelaying are given and details of the use of the 500 lb. and 250 lb. G.P. bombs carried by some of these aircraft are not given.

Weather Experienced

 Danish Islands:- Mestly cleudless; small amounts of strato-curulus at 3,000 - 4,000 ft. in places; good visibility; norther lights.

S.W. Baltic:- Mostly cloudless; patches of haze and fog.

Heligoland Bight:- Smill amounts of strato-cumulus cloud at 3,000 - 4,00
ft. Good visibility.

Route over North Sea:- Eroken strato-curallus in south with medium cloud above. Light clear ice formed at 10,000 ft. in cloud over the sea.

St. Nazaire:- No cloud; visibility reported good by the two aircraft which bombed but the other three report haze and inability to find the target.

Route:- 8/10 strato-cumulus cloud at 3,000 ft. over southern England extending to 11,000 ft. over the Channel and breaking up inland over France.

Home Bases:- Fog patches in Scuth Yest only; low stratus in South-West and elsewhere locally at 1,000 ft., with occasion light rain in South-East England; much strato-cumulus cloud with freezing level at 3,000 - 4,000 ft.

Abortive Sortics

5. 16 sorties in all were abortive. 7 (3 on St. Nazaire and 4 ninelaying) were due to bad visibility, 8 were due to technical defects, and 1 to the aircraft being too late at the target, as the crew had to change aircraft their first one being u/s.

Casualties

6.	6	Group	Туре	Squadron	0.00	Ca	tego	ry	
		V0.453.454.51	W		Minor		AC	В	्
	Hissing	· 3	Well.III Hampden	57 420	12 X				•
	Damaged by flnk	3 5 5	Well.III Hampden Lancaster	· 57 420 97	· 1		1		į
	Danaged, not by Enony action	3	Well.III	75		1.			

Surnary

7. <u>Kinelaying</u> &1 aircraft set-cut to lay mines in the Heligoland Bight an Kiel Bay, and around the Denish Archipelago. Except in Kiel Bay weather conditions were excellent, and 57 did so successfully. A further 9 laid their mines in alternative areas.

In addition to their mines a proportion of these aircraft carried 500 lb or 250 lb. bombs. It aircraft dropped these bombs on various targets which presented themselves. 3 bembed the Island of Sylt and 2 more the causeway connecting it with the mainland; 2 bombed Brondrum aerodrome and 1 an aerodrome near Norby on Fano Island; 2 bombed searchlights and flak near. Esbjerg; 1 bombed a flak ship off Kiel.

The enemy defences encountered by our aircraft were not very considerable and only 2 of our aircraft are missing. Night fighters were encountered off the Frisians and over Denmark where 1 attack was made. Varying amounts of light flak were encountered from the coast of Schleswig and Denmark and it was particularly intense in Kiel Bay where one of our aircraft was probably shot down. 4 aircraft report flak damage.

St. Nazaire Only 2 of the 5 freshmen who set cut to attack this target succeeded in locating it. These two, however, claim to have identified and bombed the docks.

Leaflets 1 Halifax freshman successfully dropped leaflets over Vichy and Clermont Ferrund. This aircraft was intercepted about 16 miles south of Worthing but eviding action was successful.

PC/S.26342/3 /ORS. . 30th May, 1942.

Turget	l l	deepa tahe	ď	toop them		manaci eve		claimiz	ttnoked	with b	ombing,	ahowing	10E		Tores	tory	reach
			Attack	s Others		Not due to E.A.	Couse unknown					Foints within 5 miles of Target	Bombud other Target	Vportivo	Bombed other Target	ivo	E.T.
MINEL-YIPE	3	Woll-III	2.	1,	1 Cat.	uc + cat	1 miss	ing	24				3	3	٠		1
		Stirling	12						12								7
1	5	Hampdon	14 -				1 mias	gate	8	41				2			. 3
:g :		Manch- ester	8*		i mino				4					1.			٠,
		Lancabter	11 1		2 minos	r			9						2	11172	
ST. N CLUBS	3	Woll-III	4+			COUR.	1	2	1	35				2/9			28
* 1		Stirling	1+				5 7				-			1 -			
LEAFLETS	4	Halifex	1*	1	/	7/	_	TITLE OF	1								

^{87 1 2 1} Cat., C 1 Cat., 2 missing 2 50

Total abortive = 16

• Presimon Not fitted T.R. 1335

HIGHT RAID REPORT 10. 64.

COPY 1:0.16

BOYBER COTCLIND REPORT ON NIGHT OF ERLITIONS 8/9th MAY, 1942

Meteorological Advice Submitted to the Command

0920 hours. Estimated midnight position of front as warm front is N.W.
 Ireland - S. Wales - 50°N 2°W becoming cold front to just south of Paris and on to Manich.

Home Bases:- Fine with moderate visibility in Yorkshire and Lincolnshire; south of the Wash more cloud with a chance of slight rain.

Germany:- north of the front the weather will be fine with very good visibility along the Baltic Coast and good to very good visibility along the North Sea Coast, but local industrial hase inland especially in West Germany. Along the front over Germany the cloud will be mainly of the residual convection type. South of the front there will be variable, usually small, amounts of cloud.

West Coast of France: - increasing amounts of medium cloud.

1245 hours. No change from 0920 hours.

1715 hours. Home Bases: - satisfactory.

Rostoch: - small amounts of cloud, probably only cirrus; good visibility.

Heligoland Bight and route to Rostock over North Sca:patches of strato-cumulus cloud. base 2,000 - 3,000 ft.

N.W. and Central France: - much medium cloud with risk of thunderstorms persisting into the night with convection type cloud to high levels.

Executive Orders

2. Warnemunde was situated in the area in which the best bombing conditions were expected. The Heinkel factory there, which was known to be canufacturing fighters, was selected as the main target as this suited the general policy of accelerating the wastage of enemy fighters.

Sortes -

 The total number of sorties despatched was 200. For details of the operations see attached table.

Feather Experienced

4. Sarramundu:- traces of structu-evolus; good visibility, impaired later by smake.

Heligoland Bight: - yetchen of atrato-cumulus; visibility good.

Route:- considerable strate-cumulus in the western part of the North Sec, little beyond, with patches over Danish coast and near February belt; visibility good.

Home Pases:- fit until 0300 hours then patches of low stratus in the south recoming extensive south of 52½ N by 0600 hours.

Youn not above the horizon.

Photogra hic Evidence

5. L8 successful photographs were taken with tembing, 10 of which showed target and a further 25 points within 5 niles. This shows that a high proportion of the force reached the target area. The photographs showing the target suggest, however, that many bonbs only scored near misses and this borne out by subsequent recommaissance. Only slight damage has been do not building of the Heinkel Works. Four buildings in the neighbourhood of the harbour basin have been destroyed or damaged and there is considerated damage to the railway station and tracks. There are also several incident in residential property and roadways. The bulk of the attack, however, so to have fallen on open country, about 140 craters being visibile around the town.

Abortive Sorties

6. 20 sorties on this night were abortive. 15 of these were due to technical defects, 1 to an error in navigation, 1 to the aircraft being to late at the target, 1 to an attack by enemy aircraft, 1 to flak damage, and 1 to the sickness of the pilot.

Casualties

7.			Greup		Туре	Squadron	292000000		tego	
	***		300		•• 7		Minor	^	æ	В
	Missing		1		Well. II	12				
			3		Well.III	9				
		2.0	3		Well.III	419				
			3.		Stirling	15				
	• "		4		Well.II	158				
			4		Halifax	10				
			14		Halifax	76				
			5		Hampden	408				-50
			5		Hampden	420				
		75	4 5 5 5 5	59	Manchester	50				
		3	5	12	Lancaster	. 44				
	Damaged 1	by Flak	1		Well.Ic.	103	1		83	
			1		Well. IV.	460	1			
	1 33		3		Well-III	156	1			
		90	3		Stirling	7	3			
	(8)		3		Stirling	218	2			
23			· 4		Well-II	158	2			
		10	5		Halifax	35	1			
	(2)	201	5		Marchester		1			
		100	· 4 5 .5		Lancaster	- 97	1			
	Dem 3	hu anam	1721		Well TV	41.0			į.	1
	unmaged	by enemy			Well.IV	142				,
		fighter	4		Halifax	10	7			
	Domaged	by balloon	3		Well.III	101	1 .			
		cable				9 9			_	
	- Damaged,	, not by enemy	7 1.		Halifax	10		92.7	50	1
	THOUGHT WINDOW	action		+0				7.5		

Summary

8. Warmemunde The weather over the target was free from cloud and the visibility was good until it was affected by the fires which were started. There was, however, a very large number of scarchlights in and around the target and these were used to dazsle the aircraft attacking in a very effective manner, and many crews were, as a result, unable to pin-point their allotted aiming points.

34 aircraft from 1 Group set out to attack the town of Marnemunge with incendiary breaks and 32 claim to have done so successfully and to have started fires. These fires were scattered and none of them apparently were very large.

.../The Heinkel Works

The Heinkel Works in the town were attacked by 148 aircraft. 129 of these were briefed to attack with H.E. and a small number of incendiaries from a normal height between 0100 hours and 0150 hours. Of these aircraft 37 claim to have identified and bumbed the works and a further 61 say they bombed its estimated position or the town. A force of 19 aircraft were despatched to carry out a low level attack on the Heinkel Works commencing at 0150 hours. Only 4 of these aircraft identified the target successfully and a further 7 dropped their bombs" in its neighbourhood.

12 aircraft were sent to attack the searchlights in and around Warnenunde during the attack on the town. 8 of them carried out their allotted task, using 500 lb. H.E. bembs, 40 lb. fragmentation bembs, and machine gun-fire. The number of searchlights, however, was so large that they did not succeed in their object of extinguishing a large proportion of them. The crew of one aircraft state that they did not consider the use of the 40 lb. fragmentation bemb to be a suitable method of attacking searchlights, as these usually dowsed on the run up and came on again almost invediately after the bembs had exploded.

as the photographs taken with bombing and on a subsequent daylight reconnaissance show, this attack was only moderately successful. This was due partly to the very effective use of scarchlights by the enemy and partly to the fact that the target is a very difficult one to hit, the town and factory forming a marrow strip about a quarter of a nile wide along the waterfront.

5 aircraft which were not able to identify the target or arrived after their allotted bombing time bombed aerodromes in the neighbourhood of Warnemunde, and 1, which had to turn back after an attack by an enemy aircraft, bombed Sylt.

137 of the 149 aircraft which attacked Jarnenunde dropped their bombs in the hour between 0100 hours and 0200 hours. The whole attack lasted, however, from 0045 hours when 1 aircraft bembed early to 0245 hours when the last of the stragglers dropped his bembs.

Enemy fighters were encountered by our aircraft as they crossed the North Sea coast of Schleswig and South Denmark and also in the neighbourhood of the target. They were not very active, however, and there were only 3 attacks, in 2 of which cur aircraft were damaged, and 6 other interceptions.

Accurate heavy flak was directed at our siroraft from Esbjerg, Flensburg and other places en route, and also over the target where it was moderate in intensity. Light flak over the target was, however, very intense. It was acting in collaboration with searchlights which were present in great numbers and were also used for dazzling. In all 14 aircraft report flak damage.

19 of our aircraft are missing from this raid. 3 of these were from among the 19 which carried out the low-level attack on the factory in the closing stages of the raid and 3 nore from among the 12 aircraft which came down low to extinguish searchlights. It is probable that most, if not all of these 11 fell victime to the light flak defences of the area. The losses of the aircraft carrying out the high level attack were 8 out of 162 (4.9%) which, although a high proportion, is not an unduly high one considering the weather benditions. It appears likely that one of our aircraft was lest to an energy fighter and that five were shot down by heavy flak en route, three of then over Esbjerg.

Legumarden mercdrone This target was successfully attacked by 3 Blenheims who all bombed the flare path and saw bursts across the airfield.

Minelaying The 3 aircraft despatched on this task all laid their mines in the allotted positions.

BC/S.26342/1/ORS.

			-	taake	other		Not due to E.A.	Nunknown	Turgot	Aren	Ground	Primary Target	showing Prints Within 5 miles of Target	Bombed other Inrget	oo bortive	Bombod other Tarest	190	E. T.
JONEMINDE	1	Weal.Ic	5 .		1	1 Minor				5		*						
	18	Well.IV 2	9 -	1	1	2 minor				27	1						2	1
CELINICEL	1	Well-II 1	3.		43,197			1 missin	2 5	4	1			1000			2	11
PACTORY	.3	Well.III 3	3 .	1	1	2 minor	- *	2 missin	g 13	15	1			1			1	11
WARRENGINDS:		Well.423	3		100		115.140		0.00	2	les 1		1.00		1			-
+	100	Stirling 2	7_		5500	5 minor		i missin	8 7	18			1100	1				
+	4	Well.II	9		1	2 minor		3 missin	8 1	4	7150	35030	G9550				1	
	100	Halifex 1		1	2	2 minor	1 Cnt. B	1 missin	2 3	10	48	10	25	. 1		1		1
	:5	Honodon 1	6.4.		2	***		3 madaan	g 5	3			2000	2	1		-	2
		Mon.	9 .			1 Cat.E		1 missin	8 3	2	1		100		131		1	1
	100		5			1 minor										9 77		-
		Lancaster 2	1	2	250			4 missin	R 4	10		13. 1				4		13
SEARCHLIGHTS 1	31	Well.Ic.	5 *			10-			1.3	4000		40				13		
AT	3	Sell-II.	3	4 1				1 missin	2 2	4								
ARMENDE	14							1 missin	2									-
237			2	84 3				7 missin	g 1				27 11			J 5		
	5		5 +				V/10		1 2	4.				15				1
A/D	2	Blenheim	3.4						13		1 1 2 2 3							
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	- 5	Han.	2			Vi			1	+ 2							-52.7	
W.	.,	200 ot fitted T.		3.		1 Cat.E 15 minor	1 Cat.ll	19 misair	ng 52	103			4	5	J Total "J	1 portive	7 20	10

MOST SEUPET

MIGHT RAID RE ORT NO.65

COPY NO. 76

BOYBER CON AND REPORT ON MIGHT OPERATIONS 9/10TH MAY, 1942

Meteorological Advice Submitted to the Command

 0915 hours. Home Bases: There is a threat of lew stratus which my set in any time after dark.

Target Areas: - North Sea Coastal strip of Germany: patches of fog or low stratus. Along the Paltic Coast and inland to a line approximately from Colegne to Dannig, patches of strato-cumulus. Further south over Germany generally small amounts of cloud, becoming variable in the extreme south of Germany and North Italy. Over France much medium cloud and some low cloud, aspecially in Western-France.

1245 hours. The threat of low stratus at home bases has lessened.
Only small amounts of strate-cumulus are new empected over Bormark and the Western Ealtic.

1700 hours. Home Pases: The risk of low stratus is now slight but there will probably be patches of strato-cumulus at 1,000 feet - 2,000, feet which may become 10/10 over considerable areas.

Heligoland Bight and South Denmark: - Small patches of strato-cumulus.

Paris: - Cloud layers at several levels with rain, but rain not expected to spread as far north as Lille.

Executive Orders

2. A few aircraft were detailed for minelaying in the only area within range which provided suitable weather for any form of night operation.

Sorties

 20 sorties were made on this night. The details of the operations are given in the table below.

Parget	Group			No. laying mines in alternative area	No. not over encry territory
Mine- laying	3 '	Cell III 14:	12	1,	1
95	5	Hampdon 1	1	- 1	7 J × V
		Man. 2 4	2.	-	-
		Lan 3	1		2
73-67			16	- 1	3

* Not fitted with T.R. 1335

The other columns usually shown in the table are not applicable to . . this night.

Weather Experienced

4. Haliguland Bight and Yestern Baltic :- No cloud; good vis.bility.

Moon not above the horizon.

Abortive Sorties

3 sorties were abortive owing to technical defects.

Casualties

6. NIL.

Surmary

7. 16 of the 20 aircraft despatched to lay mines in the Heligoland Bight and the Western Baltic did so successfully. Another owing to into pinpoint and lack of petrol, laid his mines in an alternative position

The 14 Wellingtons of 3 Group each carried three 500 lb. G.P. bombs in addition to their mines, and these were used in 4 cases. 2 aircraft bombed the bridge and causeway at Middelfart with unobserved results. 1 aircraft bombed the causeway connecting Sylt and the mainland and saw his bombs burst on it. The bursts were followed by electrical flashes and immediately afterwards the flare-path on the island went out. Another aircraft bombed a ship in Kiel Bay and scored near miss astern of it.

There are no reports of any enemy opposition on this night.

BC/S. 26342/1/ORS. 2.6.42.

MOST SECRET

NIGHT FAID REPORT NO.66

COPY NO. 16

BOMBER COMMAND REPORT ON MIGHT OPERATIONS NAY 15/16TH, 1942.

Meteorological Advice Submitted to the Command

0915 hours. The catinated midnight positions of fronts are:-

(a) occluded front Orineys - Central Demark - 4820 N 15 E.

(b) occluded front W. Scotland - Isle of Wight becoming warm front to Bordeaux and cold front to N.W. France and then south westwards. Home Bases: - Low stratus spreading inland from the sea along the east coast. further inland, there will be increasing amounts of medium and low cloud, but it cannot yet be said whether low frontal cloud will extend to the Eastern Counties by early morning.

Target areas:- There will be much medium cloud in the Kiel and Hamburg areas. From there southwards to 50° N small amounts of cloud and ground haze will occur. South of 50° N there will be residual convection cloud with local thunderstorms. East France will have small amounts of cloud and ground haze and in West France there will be much medium and low cloud.

1245 hours.

Home Bases: - Rain and low cloud associated with the front is not now expected to affect operational home bases before early norming and possibly not before cawn. The threat-of low stratus from the North Sea is confined to a narrow strip except in Yorkshire when it will spread further inland.

North Plain of Germany: - probably small amounts of cloud.

1725 hours.

Home Bases: Rain is expected to reach the western part of the operational areas by 0300 hours. The cloud associated with the front will not be unduly low except possibly on eastern side of Pennines towards dawn. Apart from the front, patches of low stratus, which will not be widespread, are expected.

Baltic area: - Clear skies and good visibility are expected with a threat of fog in the extreme north of Demark.

Northern and Central France:- Broken medium and low cloud at about 3,000 ft. except at Le Havre where 10/10 medium cloud is expected.

Executive Orders

 Minelaying operations were ordered in areas where the novements of enemy shipping indicated that the channels chosen had been cleared of mines, and needed replemishing.

3orties

 The total number of sortics despatched was 50. For details of the operations see attached table.

.... / Weather Experienced

Weather Experienced

4. Western Baltic:- No cloud; good visibility; northern lights.

Moon not above the horizon.

Abortive Sortios

1.1

5. 3 sorties were abortive owing to technical defects.

Casualtics

-26							Cate	egery
6.		Group	Type	Squadron	Hinor	24	aC	
o g	Missing	3 3 5	Well.III Well.III Hampden	75 408	o las			1 1 2
•	Daringed by flak	3	vell.III	57	*		1	
900	Damaged by enemy fighter	. 5	Lancaster	207		1	,	

Summary

7. 50 aircraft were despatched to lay mines in the Western Faltic. 37 wable to do this in their primary areas and a further 6 laid their mines in alternative positions.

Bonhs were carried in addition to the mines by the majority of the aircraft and they were used by 12 of them. 6 attacks were made on ships but results are claimed. The other targets bombed were landing ground installations on Fano and the flare path of a scaplane station to the west of the island, the bridge at Middelfart and a bridge at Sonderburg on which a hit is claimed, the causeway at Sylt on which also a direct hit is claimed, and oil tanks at Als.

There was 1 attack by an enemy fighter which resulted in damage to cur aircraft, and 1 other interception. Moderate light and heavy flak was encountered from Esbjerg, and light flak was also experienced from Spodebjer and from flak ships off the south end of Langeland. 1 aircraft received damage from flak.

Four of our aircraft are missing. I was lest to light fluk from a minesweeper. Another aircraft was shot down near the southern tip of Sylt possibly by light fluk, and another was probably lost to a night fighter of the Frisian Islands.

PC/S.26342/1/OP3. 2.6.42.

Turret	Group	Aircraft	Interco	ptions		nsunlties		No. of	.√c	VC ms	ling to :	ttack F	runney	
Target		despir tehed		hii Assanta				claimin have a t	tacked	Are		Turri	tory	Did not ronah
			Attacks	Others	Due to E. A.	Not due to E.A.		Target	Inrget Area	Bombed other Target	PER STORES	Bombed other Target	ive	E. 7.
			500						2					NOX
MINELAYING	1	Well.II 2				_		-		-			_	
	3	Well-III 26		1	1 Cat.AC		2 missin	5	21	.X		1		2
	5	Hampden 16					2 missing	5	11			3		
		Lancaster 6	1	7.	1 Cat.A				3	1		1		1
		. 50	1	٠ 1	1 Catul 1 Catul		4 missin	Ē	37	1	8	5	+	3
. Not i	fitted T.	R. 1335											6	
#45000000														
9 61														

69 (2)

COPY 10. 16

BOMBER COMPAND REPORT OF MIGHT OPERATIONS MAY16/17711, 1942.

Meteorological .dvice Submitted to the Cornend.

1. 0915 hours.

Germany:- 5/10 cloud in the area of Humburg, Kiel and Hanover, decreasing northwards. 10/10 medium cloud

and rain over the Ruhr.

France:- 10/10 medium cloud, broken low cloud and intermittent thundery rain, except in the Earth Cout where the medium cloud will be broken and low st. it is will drift inland from the coastal areas during the

night.
North Sca:- 19/10 thin medium cloud at 15,000 ft.

Icing risk not severe.

None Bancs: Little cloud in the East and North but bad visibility with 30-10% of bases covered by rist locally is likely. 91 Group bases threatened by an

inward drift of low stratus.

1215 hours.

Conditions at home bases rather more doubtful than at 0915 hours. Otherwise no charge.

1715 hours.

Target areas: Little change except that the eastern mining area will be subject to redien cloud. Hene Bases: Deterioration due to redintion for Williams in after 0200 hours and became very serious by dren. Wigh level stations and Lossiamouth with probably be the only ones to retain fit.

2045 hours.

Herry Bases:- 1,4 and 5 Groups expect to have their higher level stations free from mist. 92 Group will have Heyford and Cottesmore free but the rest of their stations and all those of 91 Group will be affected by low stratus from the South-West.

Executive Orders

Only minshaying operations were ordered as thick cloud which was
expected over Germany together with the absence of moon gave the very
worst conditions for borbing.

Sorties

3. 1% sorties were despatched in all. The details of the operations are given in the table bolow.

Target	Greup	Aireraft despatched	Laid mines in Prinary area	That are Bring F Sarri tury
ипрадуис	5	Muchesters 7	6	 i
		77.	. 12	1

. Not fitted T.R. 1535

The other columns usually given in the table are not applicable to this right.

...../feath ~ Enviored

Weather Experienced

4. Heligoland Bight:- 2 - 5/10 medium cloud; no low cloud; good visibility.

South West Baltic:- 7 -9/10 medium cloud; low cloud with rain in patches; moderate visibility.

Route:-

Frontal conditions with 10/10 low cloud, base 1,000 ft. encountered between 30 E and 50 E. Otherwise small amounts of cloud and moderate visibility.

Bases:-

Low stratus affected the South and South West. Elsewhere there were small amounts of cloud and moderate visibility apart from local mist patches.

Moon not above the horizon.

Abortive Sorties

5. The one abortive sortie was due to a technical defect.

Casualties

6. Nil.

Summary

7. 12 of the 14 aircraft despatched on minelaying sorties laid their mines in the primary area and 1 other, who found visibility over the primary too bad to pinpoint, in an alternative.

Nothing else of importance occurred during the operations.

BC/S. 26342/2/ORS. 12.6.42.

NIGHT RAID REPORT NO. 68

COPY NO. 16

BOUBER COMMAND REPORT ON NIGHT OPERATIONS MAY 17/18th 1942

Meteorological ..dvice Submitted to the Command

1. 0910 hours.

Conditions in the Kiel, Copenhagen, Kattegat and Heligoland mining areas have deteriorated in the past 24 hours and there is a threat of low stratus spreading from the North over the Copenhagen - Ziel area. In the Heligoland Bight there will be no cloud below 1,000 ft., but further west over the North Sea patches of fog and low stratus will be found. Over the western half of Germany there will be broken medium cloud increasing in the west, with rain in the Ruhr. In Control France there will be little or no cloud with fog and mist developing in the valleys, in northern France medium cloud with light rain and in North West France low stratus on the coast.

Home Bases: - Rain will sprend from the south-west during the night but should not reach 2 and 5 Groups before 0400 - 0500 hours. Low stratus may come in from the coast over the coastal strip north of the Humber and possibly also in northern East Anglia.

1215 hours.

Turget areas: - no change except that the outlook for the Ruhr and Central France is semewhat better.

Home Rases:- The rain should be confined more to the South lest than was expected at 0910 hours, and only the south west edge of 92 Group and the south of 3 Group should be affected.

1715 hours

Northern France: - Little change. Everywhere west of Le Havre is unsuitable but east of this conditions will probably be possible.

Home Bases: Rain is now expected to spread over the whole country but it is likely that the min in East anglia will not be enough to bring the cloud base down low.

Executive Orders

2. The forecasted weather at home bases was such that only 3 Group could operate, and aircraft of this Group were accordingly ordered to lay nines as a continuation of the effort of the previous two nights and also because the expected weather was most favourable for this type of operation.

Boulogne was delected as a target for freshmen as it offered the chance of breaks in the cloud and its short range made an attack on it feasible in the conditions at home bases.

Scrtics

 88 sorties were desputched. For details of the operations see attached table.

Weather Experienced

4. East Frisian Islands:- No cloud; patches of sea fog; visibility moder to good.

Heligoland Bight:- .. bank of strato-cumulus from 2,000 - t,000 ft: visibility good.

S. 7. Baltic: - No cloud; good visibility.

.. / Cope dages area

Copenhagen area:- Much low stratus in layers with base down to 600 ft. and in places to the surface.

Boulogne:- Thick layers of cloud with the lowest layer from 5,000 ft. to 11,000 ft. visibility moderate, very dark below cloud. Moderate rime forming in cloud.

Rain over the whole area spreading across East Anglia from the west between midnight and 0200 hours and dying out in 92 Group and East Anglia after 0400 hours. In these areas the cloud base was rarely below 1,000 ft.

Abortive Sorties

Home Bases: -

5. 27 sorties on this night were abortive. 21 of these (19 on Boulogne and 2 minelaying) were due to inability to locate the target, 3 to technical failures, 1 to flak, 1 to an attack by an enemy aircraft and 1 to icing.

Casualties

6.

8	E	Group	Туре	Squadron	!linor	Catego A AC	b B	E	
				77					
	Missing	3 Y	Well.III	9				1	
	* *	3 1	Tell.III	115				1	
		3 1	Well.III	419	20			1	
		3 5	Stirling	. 15				1	
	25W 87		Stirling	149		711		3	
			Stirling	218				1	
	× 0.00	· 00				•	*		
	Damaged by Flak	3 1	Well.Ic.	57		1			
	The same of the sa	3	Stirling	149	2				
	* 12		Stirling	218	1				
*	Domaged by enemy fighter	3.	Stirling	218		1			
	Damaged, not by enemy	3	Well.III	75					
	action	3	Well.III	101	1		1		
	M 61		Stirling	214		. 1			

Summary

7. <u>Ninelaying</u> 44, of the 60 aircraft despatched on this task laid their mines in the allotted position and 4 more in alternatives. Except in the Copenhagen area the weather was favourable for this type of operation.

7 of our aircraft are missing from this operation. Light flak was encountered both over Denmark and from ships in the mining areas, and damage was done to 3 of our aircraft. Night fighters were in action over Schleswig and . Jutland and 2 attacks were made in one of which our aircraft was damaged. It is possible that 3 of our losses were due to fighters and 2 to flak. 5 of the 7 missing aircraft were to have laid their mines in the Copenhagen area of the S.W. Baltic where the weather was found to be very bad and this may have been a factor in some of our losses.

Boulogne Only 3 of the 27 aircraft despetched claim to have idenfitted and bouled the docks, and one other bouled flak and searchlights on 2.7.4.

Bursts across the docks were seen by one of the aircraft which claims to have bombed. The remainder were unable to find the target owing to 10/10 cloud which the Pew successful aircraft went below to drop their bombs.

1 of our aircraft is missing from this operation. There was 1 attack by an enemy fighter and 2 aircraft were damaged by heavy flak which was encountered in the target area.

The Stirling despatched to drop leaflets over Vichy successfully accomplished its task.

BC/E.26342/2/ORS.

Turgut	Gr	мр	Airer uft despatable	a	Intercoption					claiming to howe attroped		bembed with b	Primary embine.	ming to have taking photon abowing	No Politics to attack releasy Backed Target Mached Energy Backed Story Borbed aborts E.				
				1	Attook	Othors	Due to E.m.		Cause Unionm	Turget	Area	Ground details	Primary Target	Points within 5 miles of Target	banbed other Turget	prepare	other Turget	100	E.T.
NEL-YL:	4	3	Well.Ic	1,0						(1)	1 .								
	1	1	Well-III 2	7		1		1	2 minuis	16	24		7			1			
			Stirling 3	2	2		1 Cut 3 Minor	C 1 Juta.	C 5 mla	ing	19				1	4,	3	1	2
BOULOGIE	3		Well.Ic 1	2+4	•		1 Cat.E			ż					*	9			1
		*	#ell.III 1	0+	1			1 Cat.		ing	1.		14			. 6			2
		1	Stirling	5+					N.	1,						16		•	13
LEGIETS			Stirling	1.*							1				1	2/1			
	2010		di	8	3	-1	1 Cat.	1 Cat. G 1 Cat. 1 Minor	C.	ing 3	46			86	* 1	21	3	1	5
• Pre	she	bn.		lot	fitted	P.R. 1	335		4 .		+7			- 51		Tot		tive 27	

No. 167543

NIGHT RAID RE DETRICH STRY W.

PY 10 16 2 1 JUN 1942

BOHSER CONTAIND REPORT ON MIGHT OPERATIONS 19/20TH AL

TIME

Noteorological advice Submitted to the Comand it

1. -- 0915 hours.

Target Area:- 8-10/10 strato-cumulus in the coastal areas of North West G. many, extending inland an uncertain distance. Breaks over the Ruhr but the amount of these is uncertain. In the Frankfurt - Namheim area little or no cloud. The Baltic minclaying area probably cloudy with rain. Central France little or no cloud but a chance of valley mist. Broken strato-cumulus cloud over the Channel Ports. Home Bases:- Fine with good visibility.

1220 hours.

The only changes from 0915 hours are a threat of low stratus in the Heligeland area, and the probability of 5/10 cloud at about 1500 ft. between Brest and Nantes. The Northern Prench Coast is better.

1715 hours.

Mannheim:- Less than 5/10 cloud for that arrivals, becoming less during the night.

St. Masaire:- The risk of sea fog is small.

Frisian Islands:- Much low cloud base about 1500 ft. with a possibility of low stratus below. The home Bases:- Satisfactory except for low stratus in 91 Group area. A Group will have cumulus with tops to 12,000 ft. at take off,

2015 hours.

Mannheim:- very premising, only 1/10 cloud at 1500 hour. St. Nazaire:- For cr lew stratus possible but unlikely. Frisians:- Threat of low stratus. Home Beses:- Low stratus in 91 and 92 Groups but the other Groupe should remain clear.

Executive Orders

Weather conditions were nost favourable for an attack on South-West. Germany and Mannheim was accordingly chosen as the target, owing to its importance as a centre of communications and industry.

Preshmen were sent to St. Nazaire and minelaying and leaflet dropping operations were also ordered.

Sorties

284 sorties were despatched. For details of the operations sec attached table.

Weather Experienced

Hannheim:- Little thin cloud; ground haze over target; later arrivals report difficulty in seeing ground detail ming to smoke from fire Little cloud en route.

St. Mazaire:- Small amounts of layer cloud; moderate visibility. huch low stratus and layer cloud near scuth coast of England on routs.

Heligoland Bight:- Very little cloud; good visibility.

Home Bases: - Fostly fit all night but very low cloud and fog spread in from the coast over south and south west England.

Moon not above the horizon.

...../Photographic Evidence

Photographic Evidence

Mannadim: - 61 photographs were taken with bombing in this attack but only 4 of these have been plotted within 5 miles of the target, which indicates that very few aircraft actually reached the target area. This is borne out by the results of a subsequent daylight recommissance which shows only a few points of slight damage to sheds and workmen's huts near the Mahler Hafen and at Offau. Manyaircraft have been plotted 15-20 miles west of "annheim and these photographs show fires in open country. It is probable that misidentification of the target by a few of the early aircraft led the main body a tray. here is no known decoy which could have contributed to this result.

St. Nazaire: 2 of the 9 photographs taken with bombing during this raid show the docks but there are no tursts or fires to be seen.

Abortive Porties

38 (13%) of the sorties were abartive, 26 of these were due to technical failures, 8 to inability to identify the docks at St. Nazaire, 1 to an attack by enemy aircraft, 2 to flak, and 1 to faulty manipulation on the part of the bomb-aimer.

			+ 1							
Casualties		***				. 5 . 8 .	DC 75			
	100		S	Grou	m	Type	Squadron		Category	
19				OLCU	T,	-ypc	oquation	114	r a AC I	, p
200	7/2/9		. 1					ninoi	. 4 .00 1	D E
Missing					-	Well Ic	407		\$3T	
	63		3.6	- 2		Well II	103			1
Sec. 15						Well III				1
	7.				· ·		101 -			
*				2		Well III	156			1
				3	*	Stirling				,
100		XII		2	8 85	Stirling	218			1
				4		Halifax	- 10			1
				4		- Halifax	35			2
1.4		til		. 4		Halifax	76			1
Domaged by	Plak		17.	20					0.20	
Denniget by	r Luck		40		***	Well.II	12	12	1	
47					- 0	Well.IV	142	2	1	
46				2		Well.Ic	57		1	
				3		Well.Io	156	2		
9.0				3		Well.III .	57		1	- 83
199				. 3		Well.III	75	1		
50				3		Well.III	101 :	2		
		1.4		.3	100	Well.III	156	1		
				3	10%	Stirling	149	1		
				4		Halifax	10	1		
343				4		Halifax	35	1		
20			100	5	23	Lencaster	97	1		
Damaged by	Enemy	Pighter		3		Well.III	115		1	
	A-316-3500			3		Stirling	7		•	
		67		. 3	*	Stirling	15		4	
			0.0	ħ		Halifax	102		4	
							102			
Dannged, r	ot by									
Enemy acti				4		Halifax	102	38		1
		255 5.0							10.40	and a

Surmary

Mannheim: Although there was little cloud in the target area, the presence of ground haze, suggested by snoke in the later stages of the attack, made it very difficult to distinguish ground detail sufficiently clearly to obtain accurate pinpoints. 155 of the 197 aircraft which set out to attack the target claim to have done so. A considerable proportion, however, were unable to distinguish any ground detail and bombed on green flares, or on fires in the target area. Huge fires were reported by many of the

...../circr ft

aircraft taking part in the attack but the photographic evidence shows that these were not on the target but in forests and open country 15 to 20 niles to the west of the target. Very few aircraft appear to have reached the target area itself and only very slight damage was done in the town. There is no known decoy in the neighbourhood where the majority of the force bombed and it is possible that the dropping of incendiary bombs by early aircraft in the wrong place led nost of the force astray.

The attack on this target lasted from 0057 hours to 0215 hours but 149 of the 155 attacking aircraft aropped their bombs in three quarters of an hour between 0105 hours and 0150 hours.

11 aircraft are missing from this attack. A considerable number of night fighters were seen en route and over the target. There were ? attacks on our aircraft, h of which resulted in damage. All of these occurred in Dutch coastal areas. Observations suggest that 4 of our aircraft were lost to night fighters.

There were many searchlights working in cones over the target area and co-operating with heavy flak which was moderate in intensity and accurate when firing at aircraft illuminated by the searchlights. 12 of our aircraft report flak damage. The observations made by aircraft suggest that 4 aircraft were shot down by flak, 2 in the target area and 2 over the coast, and another was shot down by ship's flak off the lutch Coast at Schouwen.

St. Nazaire This target was actacked by 65 freshmen in conditions in which target identification was very difficult owing to ground have. 35 aircraft claim to have identified and bombed the docks and a further 9 state that they dropped their bombs in the neighbourhood. The photographs taken with bombing, however, suggest that the raid did not achieve very successful results.

1 aircraft is missing from this operation. 4 of our aircraft were damaged by flak and the missing aircraft was probably shot down by flak over the target.

The 9 aircraft despatched to lay mines all claim to have done so successfully.

13 aircraft were despatched to drop leaflets over France. 10 did so successfully and another dropped his load over an alternative area.

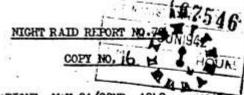
BC/S. 25342/3/LRS. 17th June, 1942.

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MOST SECRET



BONBER CONSIAND REPORT ON NIGHT OPERATIONS, MAY 21/22ND ,1962. JUN 1942

Meteorological Advice Submitted to the Command

1. 0915 hours.

The estimated midnight position of the fronts is (a) warm front Bornholn - Rostock - 56½N 8° E. becoming cold front to 50°N 10°E - Hunich - 44°N 10°E (b) cold front lile of Wight - Abbeville - East of Paris and then southwards.

Germany:- Widespread thundery cloud with some thunderstorms persisting in the north. Buch medium cloud with some low cloud in the south. Between the two fronts much cloud with local thunderstorms.

Brance:- west of the cold front residual convection cloud over land and variable amounts of convection cloud and some layer cloud over the coast.

Home Bases: - Threat of low stratus near the cast coast and residual thundery cloud over Central and Southern England.

1235 hours.

Target Areas: - Thundery weather expected to be confined to eastern Germany during the night. Over the southern North Sea and North Germany west of 12° E much strato-cumulus cloud with some breaks especially in Hamburg - Kiel area.

Home Bases:- Low stratus from North Sea not expected to spread inland. Slight rain with cloud base at 1,000 ft. probable.

1520 hours.

Minolaying areas: - Suitable with little cloud in the Baltic and well broken cumulus along the west coast of France.

Hone Bases: - Low cloud expected to come in from the coast with base at 500 - 1,000 ft. Clear skies are expected over the Midlands and the south and south-west should be good for diversions.

Executive Orders

2. Thundary conditions and heavy storms made it very difficult to find a target suitable for bombing. A number of aircraft were ordered to lay nines in the best area from a weather point of view. This number was kept low in order not to incur a large number of diversions which were expected owing to fog predicted at the bases.

Sorties

 48 sorties were despatched. For details of the operations see table below.

Target	Group	Aircraft	Casualties		Laid Mines	Laid nines	äb
			Encry Action	Other Causes	in Primary Area	in	tiv
INEAYING	3	Well Ic 5 Well III 29 Stirling 14.	1 Cat .C 1 Minor	1 Cat B	1 8 9	,1	21
		48	Cat AC	1 Cat B	18	1	29

Weather Experienced

West Coast of Prance:- 10/10 cloud at 5,000 - 1,000 ft. with rain and poor visibility to the south.

Route:- Nuch low cloud, very low at times over England some rain.

Home Bases:- Rain at times over whole area with low cloud ar fog spreading from the S.W.

Abortive Sorties

29 sorties were abortive, in all cases owing to an inability to pimpoin owing to bad visibility.

Casualties

		Group	Type S	quadron	C	ategory
Demaged by Flak	777 207		•		Hinor	A AC E
	~	13	Well Ic	57		1
**	8 43	3	Stirling	7	1	* 1
Danaged, not by	0.1	. 3	Well.III	57	5	- 1

Summary

48 aircraft of 3 Group set out to lay mines off the west coast of Prance Weather conditions were unfavourable with 10/10 low cloud and poor visibility and as a result only 18 aircraft were successful in carrying out their task, 1 laid mines in an alternative area.

Heavy and light flak, slight to moderate in intensity, was encountered along the French coast. Two of our aircraft received damage from this cause

BC/S. 26342/3/ORS. 17th June, 1942. BO HER COMPLIND REPORT ON MIGHT OPERATIONS, 22/23RD MAY 19422 1 JUNI942

Meteorological advice Submitted to the Command

1. 0915 hours. Occluded front expected from south to north at 59 - 100 miles off the east coast at midnight.

Target ..reas:- North Germany including the Baiting Boast,
Hamburg, Hanover and Wilhelmshaven - small angunts ofinloud
and some ground haze. Westwards from this area increasing
medium cloud, with thundery cloud over the Low Countries.
Local thunderatorus expected over Southern Germany. Eastern
and Central France variable amounts of cloud and local thunderstorms. ..long the west coast of Prance broken layer and
convection cloud.

Home Bases: - Residual thundery cloud with fog developing in any cloud clearances.

1245 hours. Target areas:- No change.

Home Bases: - Thundery rain may persist well into the norming over much of the home base area with lifting and breaking of the cloud in the west.

1710 hours. Western Baltic:- Conditions good apart from threat of sea fog or low stratus.

St. Nazaire: - 2-5/10 cloud but may be 10/10 if front has not passed.

Home Bases:- In 1 and 4 Groups skies should clear soon after take-off. 3 Group thunderstorms during the first half of the night, then fog or nist.

Executive Orders .

2. Very cloudy conditions over most of the Continent made night bombing unsuitable. A mining operation in Western France was ordered and a few bombing sorties were despatched to the docks at St. Nazaire, timed so as to coincide with the arrival of the minelaying aircraft.

Sorties

 58 sorties were despatched. For details of the operations see attached table.

eather Experienced

4. Baltic:- No cloud; good visibility.

North Sea: - 10/10 cloud with rain in the west breaking to the east of 7 °E

St. Nazaire: - 8-9/10the cloud en route and over the target.

Home Bases:- Low stratus and fog began to affect home bases at about 2400 hrs. thickening and becoming widespread during the night.

Some stations in 3, 4 and 91 Groups remained fit all night.

Photographic Evidence

 One photograph was taken with bombing by an aircraft claiming to have attacked St. Nazaire. It has been plotted at Vannes, 40 miles from the target.

Abortive Sorties

6. 40 sorties were abortive this night. 14 aircraft of 1 Group returned early owing to a recall signal. 24 of the aircraft attacking St. Nazaire were unable to see the target. 2 aircraft of 5 Group were unable to carry cut the allotted tasks owing to technical failures.

Casualties

7.

	. Group	Туре	Squadron		Ca	tegory	
		35 A		Hinor	A	24	В
Damaged by flak	5	Lancastor	207			1	
Damaged, not by		33					
Enemy Action	5 .	Lancaster	61	2		1	
	5	Lancaster	207			1	

Summary

8. 31 aircraft set out to lay mines. The 15 Wellingtons of 1 Group were recalled early owing to deterioration of weather conditions at their bases. 1 aircraft did not receive the signal and laid its mines successfully. 12 of the 16 Lancasters from 5 Group laid their mines in the primary area and 2 other in alternatives.

Only 3 of the 27 Halifaxes which were despatched to St. Nazaire saw enough ground detail to enable them to drop their bombs. The one photograph which was taken with bombing shows that 1 at least of these aircraft had not identified the target correctly. The remainder had to abandon their task owing to cloud.

BC/S.26342/3/ORS.

8th June, 1042.

furget	Group 	dospe foher						No. of claims have a	ing sec	Jodebou .	er Leady	ming to have taking photos hoving	I MOUGHAU	Torset	Rusanna	Emony	Did n	
			Attack	Othern		Not due to E.A.	Chuse unknown	Target	Turget	Ground	Primary	Points within 5 miles of Target	Bombod other Target	_bortive	Borbed other Target	Abort- ive	E.T.	
THEATTH	1	Well. II 2	.*														2	7
	1	Well, III 7							1								6	-
		Well. IV 6	*									·		1			6	7
	5	Lancas ber 4	6		t Cat.	A 2 Cat.	æ		12						2	1	-1	
t. Rizlikk	4	Holifax 2	7	,					3	1		74		24,				1
-			8	1	1 Cat.	4 2 Cat.	c		16					24	2		15	7

MOST SECRET

NO.
AIR MINISTRY V.
COPY NO. 16

BONBER CONTAIND REPORT ON NIGHT OPERATIONS 26/27

Meteorological Advice Submitted to the Command

0915 hours:- Target areas:- In North Germany west of 10° E much

low cloud with occasional rain.

Over the remainder of Germany broken medium cloud and variable amounts of residual convection cloud. In north east Germany small amounts of cloud. In France much low cloud in the north

becoming less to the south.

Home Bases:- Nuch low cloud all night and rain at

times.

1715 hours:- E. Dermark:- Well Broken cloud.

Route:- Heavy rain and clouds of great vertical

extent near the east coast and west of

Dennark.

Home Bases:- Raid throughout the area in the

evening but conditions will improve by 2200 hours in 3 and 5 Groups and from

then on bases will remain fit all

night.

Executive Orders

2. Weather conditions were poor and aircraft and crews were saved in order that resources might be built up for a bombing operation on a very large scale. 4 Lancasters, however, which had the speed and range to reach a target in the area fit for minelaying during the hours of darkness were despatched to the Baltic.

Sorties

4 sortics were despatched. 2 of these laid their mines in the primary area, one had to return early owing to engine failure, and the fourth found 10/10th cloud up to 16,000 ft. with icing in the target area and accordingly brought its mines back to base.

There were no casualties and no other incidents of importance occurred during the night's operations.

BC/S. 26342/3/ORS. 17th June, 1942.

NIGHT RAID REPORT NO. 73

COPY NO. 16

BOMBER COMMAND REPORT ON NIGHT OPERATIONS, 29/30th MAY, 1942

Meteorological advice Submitted to the Command

1. 0920 hours. Estimated midnight;

Estimated midnight position of minor cold front is N.E. Scotland - 55°N. 7°E, then southwards decreasing in intensity. Along this front a belt of convection cloud expected and some medium cloud in its vicinity.

North Germany:- Broken medium cloud and also broken convection cloud.

West Germany:- Some broken medium cloud and well broken convection cloud.

South Germany: - Cloudy with occasional rain.

North East France:- Little or no cloud, good visibility.

North West France: - Well broken cloud; moderate to good visibility.

Home Bases:- Cloud dispersing and visibility good.

1220 hours. Hamburg:- Tall convection cloud porsisting into the night.

Cologne: - Considerable convection cloud probable.

1530 hours. S.W. Coast of Norway: - Much strate-cumulus and convection cloud, with some breaks, especially off the coast.

1715 hours. Paris:- Patches of residual convection cloud, lessening during the night.

Ninelaying Areas: - Large amounts of dying convection cloud, base not below 2,000 ft.

Home Bases: - Thundery showers persisting locally until midnight.

Executive Orders

2. The command was standing by for an operation on an exceptionally large scale but conditions over targets in Germany were not sufficiently promising to justify its being carried out this night. Advantage was accordingly taken of the full/to despatch a force of about 80 aircraft to attack the Grame et Rhone Works at Gennevilliers as this target was in an area in which favourable weather conditions were expected.

Sufficient aircraft to lay 100 mines were also sent to replenish the North Western Minefields and a number of freshmen were given two Channel Ports at short range as their targets.

Sorties

 The total number of sorties despatched was 152. For details of operations see attached table.

Weather Experienced

4. Paris:- Varying amounts from 0-8/10 of layer cloud; visibility good.
Cherbourg:- 4-6/10 cumulus and 8/10 layer cloud above with tops at 8,000 ft.

, Minelaying areas:- No cloud in Heligoland Bight but 10/10 from surface up to 1,000 ft. off Danish coast and eastwards.

Routes:- Patches of cumulus dispersing in Western North Sea, then fine with good visibility. Over Channel and route to Paris showers with cumulonimbus tops to 15,000 ft; good visibility; some icing.

Home Bases:- Thundery showers persisted until well after midnight with sporadic rain later in the night in 1 and 5 Group areas with cloud base falling temporarily below 1,000 ft; visibility generally good except in showers, but mist developed towards dawn in 1 Group's area.

Moon above the horizon, 100% of full.

Photographic Evidence

5. Faris: - 24 photographs were taken with borbing during this attack. 6 of these show the target and a further 14 the target area, which suggests that a high proportion of the force concentrated its attack in the target area.

A subsequent recommissance confirms that considerable damage was done in the target area. In the Gname et Rhone works 12 buildings were damaged, but only in the case of two large buildings is the damage severe. 2 large buildings in the works of the Seciete Alston have been severely damaged and 2 others have been damaged to a leaser degree. One large building in the Goodrich Rubber works has been almost completely destroyed and 2 smaller ones completely so. The largest building in the factory has been severely damaged by two direct hits and all the other buildings have suffered from blast. The Boiler House at the Power Station has been severely damaged by more than one direct hit and one of the chimneys has collapsed. The Generating House has been severely damaged by blast. Three other groups of industrial buildings in the vicinity have also suffered substantial damage.

The one photograph taken with bombing at Cherbourg showed the docks.

abortive Sortics

56 (37%) of the sortics on this night were abortive. 48 (11 on Paris, 13 on Dieppe, 22 on Cherbourg, and 2 minelaying) were due to imbility to locate the target owing to cloud, 7 to technical defects, and in 1 case the reason was not given.

Casualties

				573	•		
*	Group	Турс	Squadron	Minor A		tegor	
19					B. 553	0.000	
Hissing	1	Well IV	460				2
	. 3	Well.III	156				1
20060	3	Well.III	419				1
	3	Stirling	15				1
	3	Stirling	218			,	1
Donoged by Flak	3	Well.Io	57		1	3	
	3	Well.III	115	1	01		
	. 3	Well.III	156		1		
•	3	Stirling	15	2			
	3	Stirling	149	1			
	3	Stirling	218	1			
	4	Halifax	10	1			
	4	Halifax	35 76	1			
	. 4	lialifax .	76	3			
	4	Halifax	102	1	*		
, st. 55	5	Lancaster	44	3			
	5	Lancaster	83	1			
	5	Lancaster	97		2		
	5	Lancaster	207	1			

Group Type Squadron Category

Domaged by enemy

Pighter

3 Stirling 149 1

3 Stirling 218 1

3.

Surmary

Gennovilliers: 77 aircraft set out to attack industrial targets in this suburb of Paris. Varying amounts of cloud were encountered but 54 aircraft claim to have bombed the target or its near neighbourhood. A few aircraft of 4 and 5 Group report difficulty in precise identification of the target owing to searchlight dazzle.

The photographs taken during the raid and on the subsequent reconnaissance show that a large amount of damage to important industrial works was done. The Gnome et Rhone Works, which are the most important of this group of factories, have not, however, suffered decisive damage.

All except 2 of the 54 aircraft which claim to have bombed the target, did so in the 65 mins from 0220 hours to 0325 hours.

There was noderate heavy flak and intense light flak over the target and 18 of our aircraft report flak damage. No attacks were made on any of our aircraft engaged on this raid and it is therefore possible that all of our 5 missing aircraft were lost to this cause. Only 2, however, were seen by other aircraft to be shot down.

Dieppe:- Only 1 of the 17 aircraft attacking the docks at this French port claims to have identified them with certainty and bombed them. 2 others state that they dropped their bombs in the vicinity of the target but the majority were forced by thick cloud to abandon their task.

Cherbourg: - 31 aircraft set out to attack the docks at this town. 6 identified and bombed their target and 1 other claims to have dropped his bombs in their neighbourhood. The remainder of the sorties were abortive as the crews found the cloud conditions too bad for accurate target identification.

1 of the aircraft is missing. The cause of loss is not known.

Minelaying:- 24 aircraft set out to lay mines on this. 17 of these laid their mines in the areas allotted to them and 23 more in alternative areas.

1 of these aircraft is missing, probably lest to enemy fighter action. 3 report attacks by enemy aircraft in two of which was sustained by our aircraft.

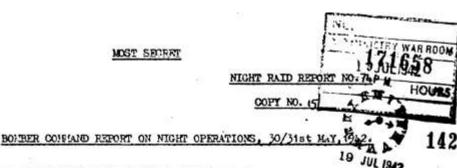
Leaflets:- The 3 aircraft detailed for this task were successful in accomplishing their mission.

BC/S. 26342/1/0RS. 2nd July, 1942.

Turget	Group	niroraft despatched	ntereup	tions		Савш	altica		ing to	bombed			A/C fut Reached	ling to Turget	Reached	itory	not
			tacks	Others		Not due to E.a.	Cause Unknown	Inrgot	farget	Ground dotails	Target	Points within 5 miles of Enrget	Bombed other Target	bortive	lombed other Target	Abort-	resah E.T.
OME A	- 1	Wall Ic 4 *						3					0.000	1			
IONS I		Well II 5		1				5				1		100			
-LIXWIT-		Well III &						3					C	1			
1288	En uner-	Well,IV 8					2 Missing	2						4			_
4	3	Well-III 5			1 Cat		2 Missing	2		1000	- 82	989		1			
		Well-423 5			1 Mner	55.5		3	1	24	6	13,	1				1000
- 1	111/2	Stirling 9			4 Minor			6	1			11		1			1
	- 4	Halifax 20		1	6 Minor		1 Hissing	9	5				1	3		1	_
	- 5	Hompden - 3 •						2						1			-
		Lancaster 1L			2 Cat AC 5 Miner		-5.	11	,					2	4		
STRP/E	3	Well.Io 8+		-	1 Carve			1	2				1 12	5			111
	32	Well.III 9+												9			
THROTTES	-	Well.Ic A+			_			The same						- 5	_		1
		Well.III 10+				-			11					9			
- 1		Stirling 12+					1 Missing	4	-		1	-		7			
	5	Hampdon 5+ •					-	2						2	0		1
:'D08-	-	Well-II 2 +	-	_	_	_		-	2				_		_		_
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1	- 5	Langaster 5	-	1	N. Takkeda		The state of the s		11				3	1			
		Hempdon 1 +		_	_	_								1			
PLEIS	5	Manchester 3+,		*					3						30.8		
		152	3	4	3 Cat .C 1 Cat 18 Hiner		7 Hissing	53	31				5	51 bortivo		10	4

* Not Pitto: T.R. 1335

MOST SECRET



Meteorological Advice Submitted to the Command

0920 hours. Germany: - Much thundery cloud with some breaks over the North West, decreasing southwards and dispersing in the middle Phine to relatively small amounts during the night.

> France:-Convection cloud dispersing to small amounts early in the night. Well broken layer cloud in the west.

Home Bases:- Convection cloud decreasing; local thundery showers.

Gologne:- Residual cloud tending to clear, but probably only to about 7/10. 1300 hours.

North West Germany: - More cloud, probably 8/10.

Home Bases: - 1 Group may have 50% of their bases unfit but in general only a few stations unfit owing to ground fog.

1700 hours. Cologne:- Broken cloud with some large breaks.

> Much cloud and occasional thunderstorms Route:going out improving somewhat for return.

Home Bases:- Conditions at take-off generally very good but local interference owing to thunderstorms possible. On return local visibility troubles possible, particularly in 1 and 5 Groups but even then no more than 25% of the bases will be affected .

Executive Orders

- It had been decided to deliver an attack of exceptional weight on an important German industrial city. Full moon, good base conditions, and the fact that the necessary forces were standing by made it imperative to carry out this attack with the least possible delay. Weather conditions at Cologne promised to be more suitable for this attack than those at any other target suitable for this operation and it was accordingly selected as the night's target. . Later weather forecasts confirmed this choice and it appeared that there was more than an even chance of conditions being good for a very large scale attack.
- The strongest night flying force which could be raised by 2 Group was / employed on complementary operations against the night fighter aerodromes near the routes to and from the target.
- A few aircraft of Flying Training Command took part in the attack on Cologne and assistance to Bomber Command in the intruder operations was afforded by Army Co-operation Command. Fighter Command co-operated also by intruder operations to supplement those of the aircraft working under Bomber Command's control.

Sorties

The total number of sorties despatched on this night was 1096 of which 1046 were detailed to attack Cologne.

For details of the operations see the attached table.

..../6.

6. 101(9.2%) sortics were abortive. The reasons were as follows:-

0.5 C	Cologne	Intruders
Technical failures	70	i
Pailure to locate target	8 . €0	· 7 (6 on Vechta
niji.		1 on Trente
Icing	3	8705.6N
Misunderstood recall sign	nal 2'	1
Enemy Fighters	1	69/
Flak	1	
Illness	1	
Too late	1	
Faulty bomb selection	. , 1	
Cause not stated	. 12	

Moon

7. The moon was above the horizon and 99% of full during these operations.

Weather at Hone Boses

8. Nost home bases were serviceable throughout the night. There were showers early in the night in the Midlands, but these were never widespread and the base of cloud was not below 1,000 ft. Visibility was generally not erate but towards dawn it was reduced to 2,000 - 4,000 yds. in 1 and 5 Group's areas.

COLOGNE

Plan of attack

- 9. The attack on Cologne was planned to last for 1 hour 30 mins. beginning at 0055 hours. All the T.R. aircraft of 1 Group and 3 Group were to bomb in the first 15 minutes of the attack and the heavies of 4 and 5 Groups in the last 15 minutes. The remaining aircraft were to spread out their attack as evenly as possible over the intervening period of one hour. The bomb load was to consist of the maximum economical number of 41b. incendiaries made up with the larger types of H.E.
 - 10. The route to the target was to be direct. The aircraft were then to go approximately S.3.V. for about 20 miles and to return parallel to their outward track. All aircraft were to leave the target area immediately after bombing, increasing speed and losing height as they did so.
 - 11. Three separate aiming points were given. 1 and 3 Groups and the aircraft operating with them were given one in the centre of the town; 4 Group and 92 Group were given one about 1 mile to the north of it and 5 and 92 Groups about 1 mile to the South of it. Craws were however given instructions to drop their beads between rather than in existing fires

. Weather

12. Over the target the only cloud was small amounts of cirrus. En route there was 8 - 10/10 cloud in layers over the North Sea with cumulonimbus in places in which clear ice formed and considerable static was encountered. A Group in particular met bad icing conditions. The cloud broke inland over Holland, decreasing to nil.

Success of attack

13. 898(86%) of the 1046 sorties despatched claim to have attacked the target area. Many of the aircraft of the first wave report that they were considerably assisted in navigating to the target area by T.R. 1335 but that they were able to recognise it visually without difficulty when they got there. The aircraft of the two remaining waves found considerable

fires burning and were able to recognise the target from them without any difficulty. All aircraft which bombed after 0115 hours said that large and growing fires were raging, and some crows gave these from as much as 150 miles on the return journey.

- 14. In order to reduce the possibility of one aircraft taking a photograph with the flash bomb dropped by another, only 246 cameras were carried on this raid. 45 photographs showing ground detail were taken. This sample represents 5% of the force claiming attack and is so small that only very tentative conclusions as to the success of the raid can be drawn from them. 32 of the photographs have been plotted within 5 miles of the Neumarkt, which was the middle siming point. Host of these were taken during the early part of the raid and the accuracy probably improved as the raid progressed and the fires got a good hold. There are also about 100 photographs which show tracks of considerable fires and these were almost certainly all taken over Cologne. This evidence, although senewhat scanty, makes it clear that a considerably larger proportion than usual of the attacking force found and bombed the target.
- 15. The aircraft claiming to have bombed Cologne dropped 1455 tons of bombs, made up of 540 tons of HrE. and 915 tons of incendiaries. From the distribution of night photographs taken with bombing it is estainated that at least 60% of this was dropped more or less evenly over an area of 3 miles radius from the Mewarkt. This gives an average density of 31 tons per square mile over the whole area. The figure was, however, probably schewhat greater than this since it is likely that the night photographs give a pessimistic picture of the raid's accuracy.
- 16. Subsequent daylight recommissione showed that the raid was a complete success. The pilot of a fosquito which was over the city shortly after dawn the next norning stated that there were numerous fires in the central city and surrounding residential district on the west bank of the river, and also several large fires in industrial and residential districts on the east bank of the river. The smoke from these fires covered the city and rose to a height of 15,000 ft., effectively preventing any photographs from being taken.
- the damage is heavy and widespread and that it is on a much larger scale than any previously inflicted on a German city, 600 acres having been completely destroyed. About half of this area is in the centre of the city. There is, however, no considerable area which is free from incidents and much residential and industrial property in the suburbs has been seriously damaged by fire and H.E. It is estimated that well over 3,000 houses have been made totally uninhabitable and ever 250 factory buildings destroyed or seriously damaged. These factories include metal works, rubber works, blast furnaces, chemical works, a large oil storage plant, ruilway workshops and manufacturers of submarine engines, accumulators and batteries for submarines, undercarriages, rolling stock, machine teels, steel rope, dyes and glassware. There was also sufficient damage done to the ruilways themselves to cause serious, if temporary, interruption of traffic.
- 18. Public buildings which have been destroyed include Police meadquarters, a post and telegraph office and a number of churches. The administrative buildings of the railways and the Post Office have been severely damaged and also the Burger hespital. The Cathedral appears from the photographs to have escaped damage.
- 19. Intelligence reports state that the damage to the administrative buildings of the railways have made then completely useless. It is said that the destruction of records caused a more serious dislocation of traffic than damage to an important railway juntion would have done. It was four days before any goods trucks arrived at Barle from Cologne and by the 6th June only one instead of hix plantager trains were running between the two cities and travel on this was public to very strict control. Further reports also state that following the raid the local authorities were completely unable to cope with the situation. Emergency feeding, first aid, and evacuation reasures all broke down completely and some people had to walk over 30 miles to find ledging. It is said that 200,000 people have had to be evacuated, the negority to hands and Stuttgart.

..../20

- 20. The amount of useful damage word on this raid uncountedly exceeded very considerably that done on any previous raid by Borber Command.
- 21. The timing of the attack achieved fairly closely to that laid down in the instructions. The whole attack lasted from 0038 hours(17 minutes early) to 0310 hours(45 minutes late). Only 38, however, of the 898 sirery claiming to attack the city bended outside the allotted period. Of these 21 were early and 17 late. There was, however, a certain amount of overlapping of the three waves and in particular a considerable propertien of the third wave was early, some aircraft as much as 20 mins.

Other Targets Attacked

22. 14 aircraft which were unable to reach the target erea, nainly owing to technical defects, but in two cases owing to attacks by energy fighters, bested alternative targets. Most of the self-defects in the Lew Countries but anchen, Manchen Gladbach and lusselderf were also bended by single aircraft and another which was unable to climb sufficiently to reach the prescribed minimum height for bending Cologne, dropped its books on a built up area 10 miles west of the target.

Cost

- 23. 40(3.8) of the aircraft despatched to attack Cologne are missing and 113 suffered damage to varying extents, 12 of them having to be written off, and 33 being seriously damaged (Cat.B and Cat. AC). 82 of the damaged aircraft were hit by flak and 12 by enemy fighters. The damage to the remaining 19 was not due to enemy action, and this figure includes 2 aircraft destroyed in a collision over this country. 29 or our aircraft in all report attacks by enemy fighters.
- 24. The following is a comparison of the losses, flak damage, and attacks by enemy aircraft, on this raid and on the previous raids on Cologne for the period august 1941 April 1942.

	Sorties	fage missing	5 damaged by flak	oneny aircraft
30/31st May, 1942	1046	3.8%	8,1,5	2.85
August 1941 - April 1942	1364	3.5	8.6%	2.3

- 25. These figures show that the percentage missing is slightly higher than average, but the average missing rate for attacks on West Germany under conditions of moon and no cloud is 4.6% for the period June 1941 March 1942. Thus losses on the present occasion were below normal due no doubt to the heavy concentration achieved.
- In the target area the flak defences were moderate in their intensity during the early part of the raid. They were working in close co-operation both with comes of searchlights and with night fighters, but it is not possible from the reports available to determine the precise roles pl yed by each of these two forms of defence. Almost all the aircraft which attacked after the raid had been in progress for about 3 hour report the the flak defences had become extremely reak and appeared to be confused. Reports made by returning aircraft indicate, however, that an aircraft was shot down by flak over the target every 7 or 8 minutes throughout the whole From this, and also from the reports of a few aircraft which were heavily engaged, it would seen that the enemy defences , realising the ragnitude of the attack, concentrated on single aircraft. Maturally, to those not receiving this concentrated attention the defences would appear It accordingly appears that the large number of aircraft over the target did not have the effect of preventing the enough's location devices from selecting and following single targets...

"as the majority of the aircraft which were heavily engaged or seen shot down by flak over the target were held in searchlights, it is possible on the other hand that aircraft were picked up by these fortuitously and then followed visually".

- 27. The enemy's fighter effort was considerably larger than usual particularly in the coastal area. There is no indication that the defences outside the target area were below normal at any time. The enemy concentrated his fighters in the air near the coastal areas and in the neighbourhood of the target, and apparently there were more of them in the air during the return journey of our aircraft. The attached map shows the positions and times at which attacks by enemy fighters on our aircraft were reported, and also the times of intruder activity. The data shown on this map indicates that the enemy defences were slightly more effective caring our bomber's return than they had been during their flight to the target.
- 28. The main scarchlight bolt was reported as absent, but searchlight activity was intene in the target area, particularly in the early stages of the raid, and also along the Phine. Activity was also considerable in the Rotterdam-Over Plakkee area and around anterp. The majority of the aircraft seen shot down by flak were held in searchlights.
- 29. There were over 200 reports of aircraft seen shet form. In many cases definite details are given by numerous aircraft of the less of a British aircraft at the same moment of time. These reports have been carefully examined and coincident observations as far as possibly eliminated. This process leaves a figure of 62 apparently independent observations, including at least one collision over the target. In all 44 R...F. aircraft were lost over enemy territory on this night. In addition aircraft attacking Cologne claim to have destroyed 4 enemy aircraft, to have possible destroyed one other, and to have demaged 2. Pighter Command claim to have destroyed 1 and damaged 4 enemy aircraft over the Continent. This leaves 13 observations unaccounted for, some of which may have been due to enemy aircraft falling victims to their own defences, but most of them no doubt to errors as to the times and places of the occurrences observed.
- 50. These observations indicate that 22 aircraft were lost over the target area and that the causes were as follows:-

Flak	16
Enemy Fighters	- 4
Collision	2

Losses to flak and encry fighters outside the target area were probably in the ratio of 1:2.

- 31. In connection with the report of the collision it should be pointed out that a few aircraft did not carry out their instructions to leave the target area immediately but flew around watching the progress of the raid for some period. This would increase the possibility of an accident of this nature.
- 32. The percentage losses suffered by each of the three waves of the attack were as follows:-

1st	Wave		4.87
2nd	Wave		4.17
377	Zave	20	1.9

There are two possible causes for the low percentige loss of the 4 engined aircraft forming the third wave of the attack. The rate of loss over the target remained fairly constant thloughout the attack but the number of aircraft attacking per minute was highest when these aircraft were making their attack. The percentige loss would thus be lower. Also it would appear that our four engined aircraft were less vulnerable to attacks by enemy aircraft as the following figures suggeste-

		Sorties	· · Missing	attacked			
Four engined direraft Two engined direraft		292 754	6(2.1,)	10(3.4(.)			

This shows that, in spite of a greater percentage of reported attacks by enemy aircraft, the percentage of 4 engined aircraft missing is lower than the average for the night. Another indication that these aircraft are better able to defend themselves against enemy fighters is that 3 of the 4 claims to have destroyed an enemy night fighter were made by four-engined aircraft.

53. The lesses of 91 and 92 Groups on this night fore 3.3 which is appreciably below the percentage (6.1) sustained by the operational groups. The majority of the aircraft of these groups were piloted by instructors, but a proportion were flown by pupils. In 91 Group the figures for sorties and missing by pupils and instructors were:-

90° 10° 10° 10°	89	Sorties :	!dssing
Instructors		208	7 (3.4.3
Aupils		49	7 (3.4.)

In view of the small numbers involved at cannot be said that there is any significance in this difference in percentages.

Sumary

This attack was considerably more successful than any previous one against the sime target. At least 60% of the force which set out attacked the target area. This is a considerably higher figure than obtained on previous raids. The amount of useful dirage done was also very much more than that done on previous raids even when the number of sorties is taken into account. It can therefore be said that the success per sorties of this raid was much above average. On the other hand the cost per sortie of the operation was approximately average as regards numbers of aircraft lost or damaged. Conditions were favourable for a high loss rate on this night but losses were minimised by the very high concentration achieved. They were, however, not much below normal due partly to the ease-of interception by cats eye fighters under conditions of full moon and high concentration. is important to note that, in spite of the concentration of our aircraft the enemy's flak defences at the target were able to concentrate on single sircraft, although the lesses of the last wave of aircraft were very low, which suggests that the enemy's defences were by that time overwhelmed. enemy night fighter effort was considerable greater than usual, and in spite of our intruder activity he succeeded in putting a large force of night fighters into the air.

INTRUDERS

- 35. The aircraft of 2 Group and 16 aircraft of army Co-operation Command operating with them set out to bomb the enemy's aerodromes during this raid in order, as far as possible, to keep the enemy's night fighters on the ground. 35 of these successfully accomplished their allotted task, bombing the runways at all aerodromes and the aerodrome buildings as well at Venlo, Twente and Bonn. The only aerodrome which was not attacked by the majority of the force despetched to attack it has Vechta. Only 1 of the 9 aircraft despatched to this target was not prevented from corrying out its task by unfavourable weather conditions. There was much low cloud and fog over the East Frisian Islands on the route of these aircraft.
- 36. Pighter Command also carried cut intruder operations which were arranged devetail in with those of Bomber Command. The times at which the various acredresses were bombed or patrolled were as fellows:-

Juvinceurt	2355 - 0018 hours (E	3)
St. Trond.	0008 - 0032 hours (I	3)
W.	0015 hours (I	3)
	0140 0335 hours (I	1
Benn	0034 - 0115 hours (I	3)
Gilze Rijon '	0000 - 0050 hours (F)
100	0120 - 0145 hours (I	2)

Eindhoven	2355 - 0040 hours	(F)
Venlo	0002 - 0036 hours	(B)
= Sir (Sirenish)	0130 - 0140 hours	(F)
Th.	0200 - 0225 hours	(F) (F)
Deelan	0000 - 0050 hours	(F)
Scesterburg	2355 - 0010 hours	(F)
	0100 - 0200 hours	(F)
Schipel	2350 - 0005 heurs	(F)
Trento	0024 - 0110 hours	(B)
St.	0145 - 0205 hours	(F)
Leeuwarden	2325 - 0035 hours	(F)
Vechta	0315 hours	(B)
Arderf	0058 hours	(B)

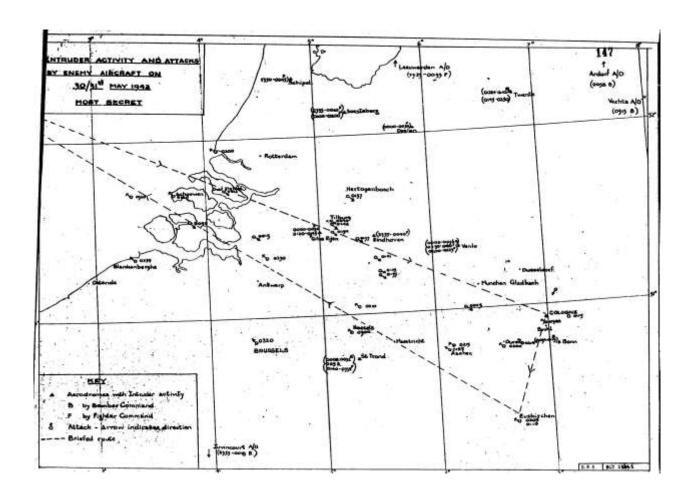
- (B) By Boober of Army Co-operation Cormand aircraft
- (F) By Fighter Command aircraft

This activity is shown on the attached map.

- 37. In addition to the above, two unidentified aerodromes near Twente and one near Brussels were bombed.
- 38. One aircraft of Bomber Cermand attacking Juvincourt claimed to have dropped its bombs on an aircraft which was landing. Pighter Cermand aircraft claim to have destroyed 1 and damaged 4 enough aircraft.
- 39. It is impossible to assess the extent to which these operations reduced the enemy's night fighter effort but he was able to put a considerable force of night fighters into the air, particularly during our bember's return journey when the intruder effort was considerably less.
- 40. 1 aircraft of Ecober Cormand, 1 of Army Co-operation and 1 of Pighter Cormand are missing from these intruder operations.

BC/S.26342/ /CRS. 15th July, 1942.

30/	31º MA	Y. THO	USAND	BOI	MBER	RAIC	ON	COL	OGNE			Appendix						
TARGET		TYPE	NO CO	AJC CL		A/C FAILING TO BOMB				RESULT	CASUALTIES				INTERGEPTIONS			
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BOMB PLOT NOT AVAILABLE

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NIGHT RAID RE ORT NO. 75

COPY NO. 16

BOMBER COMMAND REPORT ON NIGHT OFERATIONS 31st MAY - 1st JUNE, 1942

teorological Advice Submitted to the Command

 C910 hours. Germany:- Hamburg and the Lubeck - Rostock area; broken medium cloud, though the chounts may be large.

N.W. France: - Broken low and medium cloud.

Minelaying Areas: - Pine in the Baltic; threat of low stratus in Heligoland Bight.

. Home Bases: - Threat of valley fog and also of local thundery showers, but most aerodromes fit all night.

1250 hours. Western Germany: - Chance of good breaks, but the prospect of a real clearance is remote and there is a threat of low stratus. Buch convection cloud en route.

Home Bases:- Most bases will be fit but there may be areas of rain although unduly low cloud is not anticipated.

1700 hours. Western Germany: - 7-8/10 low cloud probable. Hedium cloud above more broken than previously expected.

Home Bases: - Satisfactory.

1830 hours. Western Germany:- 8-10/10 strato-cumulus clearing during the night probably towards dawn. Little chance of a clearance by 0200 hours.

Executive Ofders

2. Cloudy conditions were expected over targets and 2 Wellingtons were sent to do blind tombing at Cologne and to do a night reconnaissance if the weather as suitable in order to ascertain the effects of the previous night's raid.

Sorties

3. 2 Wellington III of 3 Group set out to attack Cologne. They both found 10/10 cloud over the target and accordingly bombed on T.R. fixes which coincided with flak concentration. 1 of these aircraft received minor flak damage. No other incident of importance occurred during this attack. The moon was above the horizon and 95% of full.

C/S.26342/1/ORS. 5th June, 1942.