

OPERATIONS RECORD BOOK

APPENDIX A-44

A.F.
FORM 541

DETAIL OF WORK CARRIED OUT

By 428 (R.O.A.F.) Squadron

SECRET

PAGE No. 1

(2011) Wk. 6011-60 60000 1/11 T.S. 700
(2014-2017) Wk. 6011-2141 1024 1/11 T.S. 700

FOR THE MONTH OF July 1944

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
1/4th July 1944	HALIFAX V. B. EB.207	8131688 SGT. BLACKBURN W.V. COLOONEL. 8127711 SGT. GEEVER N.P. 8128236 SGT. WOOD W.S.R. 1686291 SGT. WILLIAMS F.S. 8111963 SGT. RICHARD J.P.R. 826435 SGT. HODSON G.F. 834455 SGT. SHARROH R.G.		22.40	05.07	Bombed from a height of 20,000 ft. at 01.38 hrs. heading 030° 155 mph clear, good visibility. Red target markers in bomb sight on release. The fires were well concentrated in the target area. Distributor unresponsive. Bombs were jettisoned on the target with the exception of 5-30 I.B. which hung up and jettisoned in the sea. A quiet trip. Very good route. PFF and flares were well concentrated.	
	HALIFAX V. P. EB.211	843406 SGT. SUGRIDAN J.F. COLOONEL. 8128618 SGT. MURPHY M.B. 842746 SGT. LEPMAN T.B. 158740 SGT. GOLDING H.B. 8100806 SGT. COOPER W.L. 156785 SGT. MITCHELL H.B. 8134206 SGT. MARKS H.B.		22.46	05.23	Bombed primary at 01.30 hrs. from a height of 15,000 ft. heading 031° 165 mph. About 3/10ths cloud at 25,000 ft. Observe a slight haze. Red target indicator markers in bomb sight. Aircraft's own results were not observed. Many bursts and some scattered fires were seen at the target, later becoming concentrated and burning well. The glow was seen 150 miles away. Holes in the fuel wing, starboard rudder and fuselage made by heavy flak. An aircraft was about to make run up. The trip was quiet and not a great deal of excitement over the target, which looked as if it had been well hit. Not many searchlights. At about 01.50 hours all searchlights suddenly went out and then suddenly went on again. Not much flak was encountered.	
	HALIFAX V. C. EB.213	803359 P.O.A.Y. SHAMLER COLOONEL. 81281755 P.O.B.W. FOSKETT 81281524 SGT. FISHER J.W. 1593031 SGT. DOWLING A.P. 826468 SGT. SHEPHERD H.B. 1511036 SGT. BARKLEY P.V.		22.29	04.51	Bombed primary at 01.44 hours from a height of 18,000 ft. 043 I.A.S. 160 I.A.S. 220 visibility was very good apart from ground haze. Red target indicator markers in bomb sight. Bombs were seen to burst in concentration of fires. PFF was very well placed and the attack considered concentrated and successful. At 01.58 hrs. a big explosion was seen shooting up, high flares and numerous good red fires were seen in very concentrated area. The route was considered very good. No trouble was experienced either way, target area defences were lighter than usual. Flak in barrage was slight and not very accurate. Target area and A.P. was well placed.	
	HALIFAX V. J. EB.235	813131 S/L W.R. SUGGITT COLOONEL. 816965 P/O R.A. WHEATHE 8261345 P/O J.G. TAYLOR 189778 SGT. KENNEDY D. 80822 P/O W.D. BROWN 152292 SGT. BULLOCK W.P.R. 817076 P.O.R.E. DOUGLASS 010879 P.O.R.G. BAYNE		22.44	05.45	Bombed primary at 01.45 hrs. from a height of 17,000 ft. heading 010° I.A.S. 170 T.A.S. 236 S. There was no cloud, but heavy white smoke covered the target. The pilot reports that the route was very good, particularly on the way home. There was no flak or any enemy activity at all, and as long as you were on track on the way into the target you had a lane clear of trouble. The P.F.F. was exceptionally good and markers closely concentrated. There were a few fires on the West of the river, but the attack appeared to be heavily concentrated around the P.F.F. markers, the whole area was a solid mass of deep red fires with a few small explosions, but no large ones. Indications are that the attack was very successful, and the main mass of it was concentrated fairly evenly around the markers with a slight /over.	

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
1/4th July 1943.	HALIFAX V. B. BK. 237.	2nd Lt. E. R. KNAVE. #17168 P.O.N.L. MAGNUSSEN #102862 SGT. MARGHELESEN G. #1023153 SGT. WILLIAMS R. #1029103 SGT. BRADLEY R.G. #1041578 SGT. PROCTOR H. #1030576 P.S. WILKINSON G.G.V.	OSLOONS.	22.36	05.32	bulge to the South West. We made a second run over the target at 12000 ft. and there was a dense pall of smoke up to 10000 ft. the flak did not appear to be predicted and was moderate, firing either a barrage, or into the searchlight cones. General impression is that it was a good attack with exceptionally good routing.	
	HALIFAX V. S. BK. 214.	2nd Lt. P.O. G.W. RANSON. #14181 P.O. D.H. ORR. #125248 SGT. MERRILL D.J. #1712256 SGT. LEWIS R.A. #122571 SGT. BARKES L.M. #1021099 SGT. MCALLAN R.G. #146675 SGT. LEIGHTON J.A.	OSLOONS.	22.49	05.36	Bombed primary at 01.36 hrs. from a height of 17,000 ft. heading 032 M. I.A.S. 170. T.A.S. 230. Visibility was good with no cloud and some ground haze. No results were observed. The attack was considered concentrated and low of fires could be seen 150 miles away. 1/3 container of A.H. I.B. could not be jettisoned. Radio speaking O.K. Tinsel nothing heard. The route was considered good. Target area was ringed with searchlights but generally not effective. Light flak at 17,000 ft. Heavy flak in barrage form. Target area ablaze from end to end.	
	HALIFAX V. T. BK. 215.	#135047 SGT. BROWN R.J. #141488 SGT. MURPHY J. #155736 SGT. JESLIN A.P. #1002254 SGT. SANDERS R.L. #131015 SGT. NEWCOMBE R.J. #141723 SGT. SPANGLER G.P. #104431 SGT. FOWLER R.P.	OSLOONS.	22.52	05.03	Bombed primary at 01.34 hrs. heading 050 deg. IAS 170 from a height of 16,500 ft. There were two big patches of cloud over the target. By P.P.F. markings. Results were not seen. Haze in bomb sight. Fires could be seen 160 miles away. Snobs over the target showed detail but considered concentrated attack. Defences were not very intense, heavy flak in barrage. Searchlights were mainly in cones but a lot of loose disorder.	
	HALIFAX V. V. BK. 212.	#14183 W/O E.V.M. SMITH #15800 P/O N.V. SHOF. #15846 SGT. McGRATH H. #102209 SGT. MALINS R.O. #15226 W/E J.M. FORMAN.	OSLOONS.	22.51	05.19.	Bombed primary at 01.39 hrs. from a height of 19000 ft. heading 034 M. IAS 160. Thin layer 10/10ths cloud, top 5,000 ft. Visibility poor, haze. Green flares on route and the red and green markers seen in the bomb sight. Bombing scattered mainly S of A/P. Aircraft was jeopardized twice by other aircraft cutting corner (while making the bombing run), suggest therefore that if possible route home be shorter.	

OPERATIONS RECORD BOOK

APPENDIX A-49

A.F. FORM 541

DETAIL OF WORK CARRIED OUT

By No. 426 (RCAF) Squadron.

SECRET

PAGE No. 4

172011 Wk. 2227-45 40000 214 T.S. 700
172014-2211 Wk. 2213-431 1008 1243 T.S. 700

FOR THE MONTH OF July 1943

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
9/10th July, 1943	HALIFAX V "A" EB, 205	G. 20879 P/O R.G. BAYNE J. 22932 P/O Leslie BILTON J. 20855 P/O B.A. BLAIR 457410 SGT DUNN 410606 SGT JOHNSON W. 457485 SGT MERRICK 4154206 SGT HARRIS R.L.	GELSENKIRCHEN	22.29	05.35	Bombed primary at 01.21 hours from a height of 19,200 ft., 196 deg. IAS 170. 10/10th cloud base and tops unknown. Red and green flares seen then A/E release flares. Scudged on 200 yds approx to port. Results unobserved. Monica satisfactory. Missed - no H/T heard. Holes in starboard wing and fuselage. A/U off track on 3rd leg on return and crossed French coast between Dunkirk and Ostende.	
	HALIFAX V "B" EB, 207	M 31688 SGT BLACKBURN W. M 32711 SGT OLIVER N.F. M 28236 SGT WOOD W.S.B. 400441 SGT WILLIAMS J.J. M 11963 SGT RICHARD J.F. 280452 SGT HOSCHER G.F. M 05117 SGT KIRK W.B.	GELSENKIRCHEN	22.23	05.26	Bombed primary at 01.18 from a height of 21,000 ft., 194 deg. IAS 155. Cloud in patches with tops at 20,000 ft. Target identified by red flares with green stars and steady white flares with green stars. No results seen owing to cloud. Monica working well. Flak in Ruhr. Average round.	
	HALIFAX V "D" DE, 228	J. 20559 P/O A.V. Bellender 40843755 P/O B.V. FOGGETT 40841524 SGT FLETCHER J.W. 452024 SGT DOWDING A.F. 419628 SGT CHAMBERLAIN G.H. 421627 SGT LUGAN G. 411036 SGT BARNETT F.W.	GELSENKIRCHEN	22.20	05.07	Bombed primary at 01.21 from 20,000 ft., 195 degs. IAS 165. Cloud 10/10th tops about 16,000 ft. Red flares then green then red with green stars and white all seen. Red and green star release point flares. No result seen. Monica used but not very satisfactory. Missed used and working heard. One hole in fuselage in heavy flak over target. Route good and release point well concentrated.	
	HALIFAX V "E" EB, 210	M 35047 SGT INGLETON L.L. M 41486 SGT LINDSAY J. M 25736 SGT LESLIE A.H. 400254 SGT BULLOCK S.F. M 21045 SGT MONTGOMERY R.J. M 144795 SGT STRANDBERG G.H. M 06431 SGT FOSHER G.F.	GELSENKIRCHEN	22.35	05.12	Bombed primary at 01.28 from 17,300 ft., 194 deg. IAS 165. Thin haze around aircraft and cloud below. Green flares red and green and release point flares. Concentration of red with green stars bursting sometimes above 17,000 ft. Monica working spasmodically and of no use. No worries of any kind except the heavy flak over the flares area and this was green. Climbed to 17,000 ft. by 03 degs 28S and then steady to 16,000 ft and then put aircraft's nose down over the target. Climbed to 18,000 ft. after bombing until French Coast reached.	
	HALIFAX V "F" EB, 214	088577AC 2ND LT K.R. SHARP J. 47166 P/O H.L. MANNING M 02622 SGT BARRICKLE G. 1652155 SGT WILLIAMS H. 1651625 SGT BRADLEY H.G. 644578 SGT PROCTOR H. M 05676 P/S FILIPOLI G.C.	GELSENKIRCHEN	22.27	05.18	Bombed primary 01.25 at a height of 19,000 ft., 196 deg. IAS 155. 10/10th cloud with tops at 16,000 ft. with layers of stratus above. Recognized the target by 3 red and green flares. Target identified by red flares with green stars. Results - only red stars seen through haze. Monica good heavy and accurate over target area.	

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
9/10th July, 1943	HALIFAX V "I" DK. 238	4147479 SGT CHESTL W. 4125291 SGT GARALIKE A. 430167 SGT SPENCER H.F. 443463 SGT WILLIAMS H.J. 4312502 SGT EVANS M. 4890406 SGT BURGESS J.R. 441390 P/O R.J. ANDREWS	GELSENKINGEN	22.17	05.34	Bombed primary target at 01.26 from 19,000 ft. on a heading of 196 degs. IAS 165. 10/10th clouds with tops at 40,000 ft. Red and green flares on track as well as flares with stars. Red flares and green stars were in bomb sight. Bombs worked satisfactorily. One propeller tip (starboard outer) was knocked off by flak over target area. Pilot reported a very ordinary trip with 10/10th cloud obscuring all possible results.	
	HALIFAX V "J" DK. 235	415131 P/O W.R. SUGGITT 410965 P/O W.R. WOODRUFF 416630 P/O G.M. GARDNER 437713 SGT TRENKLE D. 438599 P/O W.W.D. BROWN 4522992 SGT BOWLSBY F.J.R. 447076 P/O R.H. DOUGLAS	GELSENKINGEN	22.44	06.06	Bombed primary target at 01.28 from 19,500 feet. on a heading of 196 degs. IAS 165. Top of 10/10th cloud at about 46,000 ft. with wispy layers of stratus above. Target identified by all track and release point flares. Bombed white flare as red and green had disappeared. At 06.36 one large explosion seen behind aircraft at target area. Bombs not fitted and timed. Pilot reports that the trip was an easy one. Climbed to 3,000 ft. at base and rose steadily to 20,000 ft. just after the enemy coast. Lost height of 4,000 ft. to bomb and continued losing height to 17,000 ft. till return. No cloud above us on return. Red flares not seen till 01.20 hours or had gone down into clouds. None seen were drifting from starboard to port. Several lots of incendiaries dropped over France on the way back near the coast till channel was crossed.	
	HALIFAX V "Q" DK. 239	417282 P/O V.T. GELFANDER 413657 SGT FORDE P. 4321396 SGT GIBBONS-KENNY 4584079 SGT CHARLESWORTH D. 4071060 SGT ROSS T.L. 451204 SGT LANE J.W. 479401 P/S SMITH R.G.	GELSENKINGEN	22.34	06.42	Bombed primary target at 01.30 from 44,000 ft. on a heading of 196 deg. IAS 155. 10/10th cloud below. Target identified by red flares with green stars and white flares. Bombs released when red flares with green stars were in bomb sight. Bombs worked satisfactorily. Pilot reports that flares seemed to be too dispersed. Route considered good. Flak was heavy in barrage from over target.	
	HALIFAX V "M" DK. 215	586954 SGT PEE K.D. 576430 SGT BOWMAN J.W. 414249 P/O J.G. WILLIAMS 407229 SGT HESS A.K. 424842 SGT FOSTON W. 4574489 SGT GROSSAN D.A. 4124705 SGT MORSE J.J.	GELSENKINGEN	22.34	06.12	Bombed primary target at 01.31 from a height of 18,000 ft. on a heading of 196 degs. IAS 155. 10/10th cloud with tops at about 18-19,000 ft. Target identified by red then green route flares with green stars. Flares were seen and large explosion in target area through cloud at 01.20 hrs. and 01.30 hrs. Bombs working satisfactorily. Pilot states - "A very good trip with cloud obscuring possible results."	

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OPERATIONS RECORD BOOK

APPENDIX A-49

FORM 541

DETAIL OF WORK CARRIED OUT

By No. 428 (RcCaAeF) Squadron

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PAGE No. 6

FORM 541-101 (REV. 1-15-53) GPO: 1953 O-504-1014 T.S. 700

FOR THE MONTH OF July 1943

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
9/10th July, 1943	HALIFAX V "W" DK.230	7.21265 P/O G.W. FARRISON 7.17181 P/O D.H. OHR 182948 SGT HERBELL D.J. 179956 SGT L.WIS R.A. 182251 SGT. DANES L.S. 182189 SGT MCALLAN R.G. 146475 SGT LINDHORN J.A.	GENERAL KIRCHEN	22.22	06.37	Bombed primary target at 01.35 from 16400 ft on a heading of 205 deg. IAS 165. Whispy moist cloud above at 20000 ft. with 10/10 cloud below tops 15000 ft. Target identified by red flares with green stars and white flares. Bombed red with green stars. Results were not seen. Bombs landed only after crossing enemy coast. Pilot reports that flares seemed to be widely dispersed. Flak was in barrage form, the burst flashes lighting up the clouds all around the aircraft.	
	HALIFAX V "W" DK.229	85593 S/L F.H. BOWEN 142777 SGT ROSE H.W. 182591 P/O R.A.J. GLENN 186169 SGT MORGAN H. 119657 SGT MCKELLEN A.H. 121622 SGT HINCH J.W. 146775 P/O D.H. FERRARIS	GENERAL KIRCHEN	22.36	--	Nothing further has been heard from this aircraft since the time of take-off.	

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OPERATIONS RECORD BOOK

APPENDIX A-50

A.F. FORM 541

DETAIL OF WORK CARRIED OUT

By No. 428 (MRAF) Squadron

SECRET

Page No. 7

(1941) WL 885-55 60000 31st TA 700
(1944-1945) WL 885-55 60000 31st TA 700

FOR THE MONTH OF July 1943

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
11/14th July, 1943	HALIFAX V "A" SN. 205	O.20679 P/O R.G. BAYON J.22492 P/O L.L. WHITHAM J.20688 P/O R.A. SLACHE 158740 SGT GOLDING H.B. 1481511 SGT WRIGHT A.D. 2204168 SGT SHIDDELL H.B. 1157380 SGT MORGENTHAU A.	AACBEN	23.32	05.48	Bombed primary target at 02.06 hours from a height of 17,300 ft. on a heading of 155 degs. I.A.S. 225. 8/10ths cloud at 10,000 ft. Identified and bombed markers. Burst seen. One large and other scattered fires seen. Still visible at 100 miles away. Pilot reported that fires were not concentrated but scattered to the North.	
	HALIFAX V "R" SN. 207	1151638 SGT BRADSHAW W.V. 1132711 SGT OLIVER H.P. 1128236 SGT WOOD W.S.B. 1484644 SGT WELLS L.A. P.S. 1111963 SGT RICHARD J.P.H. 2204433 SGT HODSON G.P. 1105117 SGT KERR W.S.	AACBEN	23.32	05.48	Bombed primary at 02.06 hours from 20,000 ft. on a heading of 230 degs. I.A.S. 155. 8-10/10ths cloud. Identified and bombed markers. Saw a large glow of fires beginning to burn and one large flash. Pilot reports an uneventful trip.	
	HALIFAX V "G" SN. 209	J.23524 P/O W.D.F. ROES 1147638 SGT WEBBER W.B. 1130363 SGT DELIBRECKEN T. 1110337 SGT WEBB D.S. 650417 SGT WEBBER A.M. 1150282 SGT HAYES J.C.A. 1130220 SGT BRIDGE E.A.	AACBEN	23.53	---	Nothing further has been heard from this aircraft since the time of take-off.	
	HALIFAX V "D" SN. 228	J.12568 P/L W.D. WEBER J.10178 P/O E.R. ROBERGSON J.16779 P/O W.P. STEWART 156703 SGT SALTER S. 130240 SGT GOODFELLOW J.R. 1143558 SGT BAWDEN A.D. 111359 P/O H.B. WARD	AACBEN	23.38	---	Nothing further has been heard from this aircraft since the time of take-off.	
	HALIFAX V "F" SN. 211	108597740 2ND LT K.L. GAFF J.17468 P/O R.L. BRADSHAW 1102462 SGT BARRHOLEN G. 1165315 SGT WILLIAMS R. 1291023 SGT BRADLEY R.O. 144578 SGT PROCTOR H. 1105676 P/S FELPOLD H.W.	AACBEN	23.30	05.18	Bombed primary at 02.02 hours from a height of 19,000 ft. on a heading of 230 degs. I.A.S. 170. 7/10ths cloud at 5-6,000 ft. Bombed markers. One burst was not seen. Fires were scattered. Pilot reported the route good.	
	HALIFAX V "Q" SN. 239	116215 P/L D.S. MORAN 1111226 P/O F.H. DIXON 1114690 SGT O'LEARY J.P. 1101455 SGT GILLIS J.P. 1582632 SGT BROWN D. 1230794 SGT PRESTON T.H. 1384442 SGT EDWARDS M.	AACBEN			Nothing further has been heard from this aircraft since the time of take-off.	

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
13/14th July, 1943	HALIFAX V "K" NR. 216	434849 SGT MITCHELL A.L. 4348212 SGT BROWN G.S. 4348254 SGT BERRY G. 4348376 SGT GORDON H.L. 4426792 SGT LOTT G.K. 443165 SGT GOURD G.H. 4448223 SGT HAUSER J.T.	AACRSH	23.51	05.30	Bombed primary target at 02.09 hours from 20,000 ft. on a heading of 220 degs. I.A.S. 170. 7-8/10ths cloud. Identified and bombed markers. Large explosions seen before and after bombing. Pilot states:- "Good raid. Several large fires seen burning".	
	HALIFAX V "B" NR. 214	4417282 P/O V.T. SYLVESTER 4136657 SGT FORDE F. 434396 SGT GREENHORN KELLY 4634079 SGT CHABLES WARDEN D. 4074669 SGT ROSE P.H. 534284 SGT JUNE J.V. 473604 P/S SMITH F.C.	AACRSH	23.36	05.52	Bombed primary target at 02.06 hours from 18,000 ft. on a heading of 225 degs. I.A.S. 167. 5/10ths cloud, tops at 6,000 ft. Bombed on 4 T.I. markers. Few large fires seen. Pilot reports seeing large scattered fires on leaving target area.	
	HALIFAX V "T" NR. 215	447794 P/O H.E. WILLIAMSON 4326587 P/S HAYKINS W. 4100022 SGT PAJORR H.H. 4448506 SGT DALLEY J.L.H. 4203562 SGT POWLEY J. 4246807 SGT CHAMBERS H. 480077 P/S CHELSTON D.H.	AACRSH	23.44	05.35	Bombed primary target at 02.05 hours from 20,000 ft. on a heading 210 degs. I.A.S. 155. 5/6 10ths cloud with tops at 15,000 ft. Identified target by markers which were in bomb sight when bombs were released. Scattered fires well alight. Results were not observed. Track flares on way in considered poor in colour appearing white. Markers over target well concentrated. Weather as forecasted. Flak and searchlights ineffective. Route good.	
	HALIFAX V "K" DK. 233	4386954 SGT FRY K.D. 4576430 SGT BROWNE R.S. 442669 P/O J.G. WILLIAMS 407289 SGT MOSS A.R. 4204842 SGT POSTON W. 4573489 SGT CHOSMAN D.A. 4128765 SGT MATHIE J.H.	AACRSH	23.52	05.38	Bombed primary target at 02.11 hours from 15,500 ft. on a heading of 218 degs. I.A.S. 175. 8/9 10ths cloud, tops 9,000 feet visibility good. Identified by markers which were in bomb sight when target bombed. Many fires seen in target area though somewhat scattered. Many enemy fighters seen on route home. Flak over target very moderate. Bombing seemed scattered. 4 x 30 I.B. jammed in container and brought back.	
	HALIFAX V "Y" ED. 206	475578 W/O HARRISON A. 4417724 P/O H.M. BURN 4105657 SGT BEGG A.H. 4221015 SGT FREEMAN R.P. 453177 SGT TYLE A.C. 2246224 SGT NEWBLE P.P. 415600 SGT NORTH G.J.	AACRSH	23.47	05.40	Bombed primary at 02.01 hours at 19,000 ft. on a heading of 225 degs. I.A.S. 180. Weather clear over target. No cloud. Identified by markers which were in bomb sight. Bombardiers seen to catch fire. Good fires but scattered. Many bombs landed outside of the three mile limit. One of the markers appeared to be off the target. Navigation was excellent and bomb aimer did a difficult job very well.	
	HALIFAX V "Z" DK. 196	4455074 SGT BORGES H.L. 4444488 SGT MITCHELL J. 4122738 SGT LEBWIE A.R. 402354 SGT QUIGGS R.L. 4134045 SGT MONTGOMERY R.J. 4114793 SGT SPERLIAN G.D. 4104434 SGT FOWLER H.P.	AACRSH	23.43	05.45	Bombed primary at 02.01 hours from 18,000 ft. on a heading of 190 degs. I.A.S. 140. Weather over target good. 10/10ths cloud all round target but broken over target. Identified target by markers which were in bomb sight. Large fires seen all over target area. Pilot states:- "Heavy accurate A/A fire. Good concentration over target. Many large fires. Route in and out very quiet.	

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
24/25th July, 1945	HALIFAX V "I" NB.238	317479 SGT CHEPPEL M. 312521 SGT BARALLIN A. 138047 SGT BERNARD M.P. 148343 SGT WILLIAMS J.P. 1312502 SGT WAINES R. 159046 SGT BURSTED J.L. V.14390 P/O H.J. ANDREWS	HAMBURG	22:27	04:36	Primary bombed at 01:35 from 19,000 ft. on a heading of 175 degs. IAS 170. Very little cloud but smoke up to 18,000 ft over target. Target identified by red and green T.L. markers. Red T.L. in bombight. Large fires. Concentration of green markers over target. Bombs operating satisfactorily. Pilot reported the route good and well marked. No fighters in air and both flak and searchlights appeared confused. Targets covered by large fires. Window dropped between specified areas and also some dropped over target.	
	HALIFAX V "J" NB.239	145131 S/O V.L. GIBBERT 17777 P/L R.D. HADEN 146290 P/O G.M. GOSHER 136776 SGT. HENRIOT, D. 17259 P/O W.W.D. EDWARDS 152292 SGT. SCULLEY V.J.L. 114850 SGT PEARCE, G.S. 10842671 P/A HENRY G.S.	HAMBURG	22:29	05:07	Bombed primary target at 01:35 hours from 19,000 feet on a heading of 175 degs. IAS 170. Very little cloud but smoke up to 18,000 ft. over target. Target identified by red and green T.L. markers. Red T.L. in bombight. Large concentration of fire round aiming point and extending to East. Bombs operating but nothing heard on it. Pilot reports a quiet trip with route good and PFF accurate. Very few searchlights and flak moderate. Target difficult to observe owing to smoke rising to 19,000 feet. One very large explosion seen in dark area to South-West of aiming point. Window used in specified areas and over target.	
	HALIFAX V "K" NB.246	136949 SGT MITCHELL J.L. 1148919 SGT BROWN G.S. 113829 SGT LEVITT G. 162876 SGT GORDAN H. 1126792 SGT LOFT G.L. 113163 SGT GOURD A.L. 1148223 SGT HAJER J.Y.	HAMBURG	22:07	04:34	Bombed primary at 01:30 from 20,000 ft on a heading of 168 degs. IAS 160. No cloud, visibility very good. Target identified by T.L. red and all route markers. T.L. red in bombight. Thick smoke seen south of target area. Pilot remarks: "Very good effort. PFF good. Heavy intense flak co-operating with S/L's in and around target area." Window dropped at proper position.	
	HALIFAX V "L" NB.214	117282 P/O V.T. SCHNEIDER 1136637 SGT FORDE P. 131596 SGT GOSWIGER-HELEY 162479 SGT CHARLES-CHEN D. 107460 SGT ROSE T.A.S. 1148223 SGT PHILLIPS L.A. 173601 P/A SMITH R.G. 1141594 SGT BATES D.H.	HAMBURG	22:14	01:00	Returned early from 5400N 0210E. Inner engine out. Bombs jettisoned at 1400 feet 5400N 0206E.	
	HALIFAX V "M" NB.215	17779 P/O L.P. WILLIAMSON 177833 P/O W.M. WATKINS 1160022 P/S PARSON H.L. 1448306 SGT GALEY, H.R. 180356 SGT POWERS, S. 114607 SGT CHAMBERLAIN E. 180077 P/A CHRISTOPHER, R.H.	HAMBURG	22:31	04:44	Bombed primary target at 01:38 from 17,000 feet on a heading 168 degs. IAS 190. Visibility not very good with 5/10th cloud with tops 5-6,000 ft. Target identified by markers in bombight. Fair concentration of fires. Large column of black smoke rising to 18,000 ft. to the south of the aiming point. PFF concentration good and target well bombed.	

OPERATIONS RECORD BOOK

APPENDIX A-21

A.F.
FORM 541.

DETAIL OF WORK CARRIED OUT

By No. 426 (HAF) Squadron

SECRET

PAGE No. 11

11111 WL 425-25 4/20/43 514 T.S. 700
11111 WL 425-25 4/20/43 514 T.S. 700

FOR THE MONTH OF July 1943

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
24/25th July, 1943	HALIFAX V "W" BK. 212	44483 W/O D.V.M. SMITH J.16804 P/O M.V. SNOW 746048 P/O H. HENNINGSON 776348 SGT HENNINGSON 822880 SGT HALLIDAY R.G. 2216201 SGT KIDDERY W.L. 745256 P/L J.L. FORBES	HAMBURG	22:06	04:30	Primary target bombed at 01:26 hours from 16,800 ft. on a heading 180 degs. IAS 180. Small amount of cloud at approximately 2,000 ft. Visibility moderate. Target identified by markers in bombight. Bursts seen. Fires over a large area, one huge one producing black smoke up to 17,500 ft. slightly North of siding point. Fires mainly to North and North-West of town. Many small fires around the East and West of town. Looked like a good raid with route thoroughly approved. A good deal of flak. The target was a solid carpet of 10/40 heavy flak bursting at about 1,5000ft. New kinds of flak bursting out into silver stars, which just dropped away and disappeared. This flak burst like a catharine wheel in a circle with points of white light shooting out.	
	HALIFAX V "W" BK. 230	J.21265 P/O G.W. PARSON 744181 P/O D.H. OBE 812846 SGT MERRILL D.W. 774956 SGT LINDEN R.A. 8122574 SGT BAILES L.M. 8221899 SGT MCDONALD R.G. 8146475 SGT HENNINGSON W.A.	HAMBURG	22:24	05:05	Bombed primary target at 01:37 hours at a height of 16,000 ft. on a heading 155 degs. IAS 160. No cloud over target but a lot smoke and haze. Target identified by markers in bombight. General impression of a good raid but spread over a large area with one very large fire position not known. Intense clouds of smoke. Red glow seen after crossing the enemy coast. Flak intense and searchlights in large cones co-operating with flak.	
	HALIFAX V "X" BK. 233	738097 SGT. FRY, L.D. 4576430 SGT MCKONNAN P.S. 742369 P/O J.G. WILLIAMS 817289 SGT MERRILL A.L. 8204842 SGT FORBES W. 4573488 SGT GIBSON J.A. 8124705 SGT MERRILL J.J. 81344333 P/S AMMUNITION	HAMBURG	22:26	04:18	Primary target bombed at 01:25 hours from 17,500 ft. on a heading of 160 degs. IAS 175. No cloud but slight haze and plenty of smoke up to 16,000 ft. Target identified by markers in bombight. Pilot reports a very good prong. One sighting mass of fires spreading and bombs bursting among them. Very marking excellent. No enemy aircraft seen. About 17 miles out to sea from Hornsea on track aircraft fired at from sea. Two bursts only then it stopped.	
	HALIFAX V "Y" BK. 206	775078 W/O HARRISON A. 747724 P/O H.M. BURN 8105697 SGT BROOK A.R. 417761 P/L R.L. SMITH 833177 SGT TUBE A.G. 824628 SGT BURGESS J.P. 915800 SGT NORTH G.S.	HAMBURG	22:19	02:10	Returned early. Farthest point reached 5420N 0500E. Port outer engine unserviceable. Bombs jettisoned.	
	HALIFAX V "Z" BK. 196	8135047 SGT BURGESS R.L. 8144188 SGT MITCHELL J. 8155736 SGT LESLIE A.B. 81802354 SGT SQUIRES R.L. 8151046 SGT MONTGOMERY F.J. 8144733 SGT SPRAVEMAN G.J. 8104434 SGT FORBES R.P.	HAMBURG	22:24	01:14	Returned early from 5420N 0550E. Near target unserviceable. Bombs jettisoned.	

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OPERATIONS RECORD BOOK

APPENDIX A-52

U.S. AIR FORCE
FORM 541

DETAIL OF WORK CARRIED OUT

By 428 (RCAP) Squadron

SECRET

Page No. 12.

(*) 1944: 101-10100-10000, 101-10100-10000, 101-10100-10000
(**) 1944: 101-10100-10000, 101-10100-10000, 101-10100-10000

FOR THE MONTH OF July 1943

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
23/26th July, 1943	HALIFAX V "B" EB.207	R131688 SGT BLACKMORE, W.W.	ESSEN	22:06	03:15	Bombed primary target at 01:02 hours from 20,000 feet on a heading of 170 degs. IAS 160. Visibility good. One large column of smoke over target up to 18-19,000 feet. Markers in bomb sight when bombs were released. Two explosions seen at 01:05 hours and 01:07 hours. Many fires in target area. FFF good. Considered one of the heaviest raids in the theater for a long time.	
		R132711 SGT GLAVENS H.S.P.					
		R128236 SGT WOOD W.S.R.					
		1628644 SGT WILLIAMS, S.S.					
		R111963 SGT RICHARD G.P.					
		R228423 SGT HEDSON G.P.					
		R19425 SGT SIBBON R.S.					
		R228423 P/S NEWTON G.S.					
	HALIFAX V "B" EB.210	J.20359 P/O A.V. BRILANDER A2845755 P/O R.V. FOSKETT A2845244 SGT FISHER J.W. 3393034 SGT DOWDING A.P. 1330774 SGT. JAMES, P.S. 2266257 SGT. HOGAN, S. 3241036 SGT BARCLAY, P.W.	ESSEN	22:23	00:15	Returned early. Inter-com. unserviceable. Jettisoned all bombs.	
	HALIFAX V "B" EB.211	R53606 SGT HERLIHAN, J.P. R126548 SGT MURPHY M.S. R127446 SGT LITMAN E.S. 1557440 GOLDING H.E. R006606 SGT COOPER W.E. 1367835 SGT MITCHELL H.R. R124696 SGT MARSH H.R.	ESSEN	22:18	01:12	Returned early. Starboard inner unserviceable. All bombs jettisoned at 5348H 0225H.	
	HALIFAX V "B" EB.274	R082977AD SGT Lt E.M. DUFF R.17163 P/O H.L. MACHENSON R108523 SGT HARRINGTON G. 1623458 SGT WILLIAMS E. 1221023 SGT BRADLEY, R.C. 244528 SGT PROCTOR E. R03676 P/S FILFOLD J.O.E. R130740 SGT HARRISON S.R.	ESSEN	22:24	03:21	Primary target bombed at 01:03 hours from 19,500 feet on a heading 220 degs. IAS 172. Layers of thin cloud base 5K smoke. M markers in bomb sight. Heavy concentration of fires around aiming point. Heavy star defenses but not as many searchlights as usual due to heavy haze. Less fighter activity than usual. The route good. FFF seemed to be accurate. Fires were large and well placed around aiming point. Fires bright red in colour to the East and white to the West. Very heavy white smoke billowing up rapidly to 19,000 feet and just after bombing target it was completely obscured.	
	HALIFAX V "B" EB.238	R117473 SGT CHEPIL M. R132894 SGT GALADON A. 1329467 SGT SPINKER M.P. 1428363 SGT WILLIAMS S.J. 1342502 SGT EVANS M. 1690406 SGT BURFIELD J.E. J.14330 P/O E.J. ANDREWS R29906 P/S KRUSE W.E.	ESSEN	22:06	01:52	Returned early. Starboard inner engine unserviceable. Jettisoned all bombs.	

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
25/26th July, 1943	HALIFAX V "O" 84.252	W/O HARRISON A. 41772A P/O K.M. HUGH W/O BROWN L.H. 153177 SGT YUKA A.G. 117761 P/L B.L. SMITH 221422A SGT BENEZKE J.P. 215800 SGT NORTH G.J.	ESSEN	22:02	03:54	Bombed primary target at 01:07 hours from 19,500 feet on a heading of 020. CAS 155. Haze with lots of smoke. Very little cloud. Markers in bomb sight. One large explosion in the centre of target was one mass of flames. Smoke up to 21,000 feet. Whole target was one mass of flames. Two large explosions seen. PFF did not seem too good. Defences not heavy.	
	HALIFAX V "P" 84.252	W/O V.T. SWANSTON 113637 SGT FORDY F. 131136 SGT GRIFFITHS-CHILL 158179 SGT GRIFFITHS D. 107180 SGT BONE P.L. 221622 SGT PHILLIPS H.A. 229401 SGT SHINN R.G. 213159 SGT BATES D.H.	ESSEN	22:27	04:00	Primary target bombed at 01:09 hours from 18,000 feet on a heading of 156 degs. CAS 135. Heavy 1/10th cloud with tops approximately 6,000 feet. Markers in bomb sight. Smoke up to 20,000 feet. Some fires appeared to be short of aiming point but other fires accurately concentrated around PFF markers. Pilot reports a good raid with defences moderate and route very quiet.	
	HALIFAX V "R" 84.216	W/O MITCHELL A.L. 2140917 SGT BROWN G.S. 213252 SGT LARRY G. 168176 SGT GORDON H. 1125732 SGT LOYE G.S. 213163 SGT GOUND A.R. 2148223 SGT HANER J.P.	ESSEN	22:00	03:40	Target bombed at 01:05 hours from 17,000 ft. on a heading of 020. CAS 170. The weather was clear to the target. Markers in bomb sight when target bombed. Sacrificed concentration of fires seen. One orange explosion seen on approaching the target at 01:05 hours, which seemed to light up the area to the South. Fires were seen on the way to the target at the Dutch Coast, and glow was also seen from there on the way out.	
	HALIFAX V "T" 84.215	W/O L.F. WELLSMAN 216823 SGT WALKER W.L. 210022 W/S FAYON H.H. 214836 SGT GALEY J.H.R. 220356 SGT POWLEY J. 221627 SGT GRANTHAM J.H. 180077 W/S GRIFFITHS D.H.	ESSEN	22:16	03:48	Primary target bombed at 01:03 hours from 17,000 ft. on a heading of 02 degs. CAS 23. Thin cloud and a heavy column of smoke up to 18-20,000 ft. Markers in bomb sight. PFF very good. Route good as long as aircraft stayed on track. Defences not up to usual Bom standard as both searchlights and flak appeared aimless. Haze around aiming point was well covered and should be wiped out.	
	HALIFAX V "U" 84.230	W/O G.W. FANSON 214181 P/O D.L. GIBB 212940 SGT MENNELL D.S. 171395 SGT LEVIN H.A. 212271 SGT BANGE D.H. 182189 SGT MOGALLEN R.G. 214675 SGT LINDHORN J.A.	ESSEN	22:23	03:29	Bombed primary target at 01:05 hours from 18,500 ft. on a heading of 160 degs. CAS 155. No cloud, some smoke haze. Visibility good. Markers in bomb sight. Concentration of fires all over the target area. Well concentrated raid. PFF marking good. Defences light for Essen.	

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OPERATIONS RECORD BOOK

APPENDIX A-52a

A.F.
FORM 541

DETAIL OF WORK CARRIED OUT

By No. 28 (R.C.A.F.) Squadron

SECRET

PAGE No. 14

12111 W. 0951-25 5000 514 T.A. 700
12104-0111 W. 0511-2345 1034 T.A. 700

FOR THE MONTH OF July 19 43

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
25/26th July 1943.	HALIFAX V. X. DK. 233.	1386994 SGT. FRY K.L. 1574430 SGT. MCCORMEN P.S. 1234144 P/O LAMBERT 807289 SGT. BESS A.D. 1204842 SGT. COOPER W. 1573489 SGT. GROSSAN D.A. 1124705 SGT. MURPHY J.H. 1123433 P/O ANDREU W.J.	ESSENT.	22.20	03.55	Primary target bombed at 00.59 hours from 17,500 ft. on a heading of 150 degs. IAS 180. Good thin layer of stratus broken top about 10,000 ft. Markers in bombight when the target was bombed. Fires concentrated around aiming point. Only usual amount of fires. Operation looked effective. Searchlights very active and accurate round target. Route was very quiet and the usual Recon flash was encountered.	
	HALIFAX V. Z. DK. 496.	1150047 SGT. BORNHED R.L. 1144188 SGT. MITCHELL J. 1150726 SGT. LESLIE A.H. 1102156 SGT. SMITHS R.L. 1134045 SGT. MONTGOMERY R.J. 1117733 SGT. SPERANIAN G.J. 1144311 SGT. POTTER S.F.	ESSENT.	22.10	03.35	Bombed primary target at 00.57 hours on a heading of 140 degs. from a height of 17,500 Ft. IAS 170. Visibility fair, heavy. Bombs released with markers in bomb sight. Considerable number of fires in target area smoke up to 12-15,000 feet. Considered a good trip, target assumed to have been well bombed. Radar defences not up to usual standard.	

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OPERATIONS RECORD BOOK

APPENDIX A-53

A.F.
FORM 541.

DETAIL OF WORK CARRIED OUT

By **No. 488 (HAF) Squadron.**

SECRET

PAGE No. **12.**

10111 WL 8245-26 FORM 541 T.S. 700
10104-10111 WL 8245-26 1028 1047 T.S. 700

FOR THE MONTH OF **July**, 19**43**.

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCE
				Up	Down		
27/28th July 1943.	HALIFAX V B. NR. 207.	RM 31688 SGT. HLAGERER W.W. HAMBURG. RM 25711 SGT. OLIVER M.P. RM 22236 SGT. WOOD W.S.G. 1681611 SGT. WILLIAMS F.S. RM 11963 SGT. RICHARD G.F. RM 26433 SGT. HODSON G.E. RM 1155 SGT. SEABOY G.F.	HAMBURG.	22.04.	03.55	Primary target bombed at 01.25 hrs. from 10,000 ft. on a heading of 250 degs. IAS 155. Thin patches of cloud and a pall of smoke. Bombed green T.I. markers. Fires were well alight when aircraft left target area, smoke coming to about 20,000 feet, in the North-West part of the town. Glow of fires seen 150 miles away. Good concentration of T.I. green markers.	
	HALIFAX V. G. NR. 275.	RM 29506 P/O KIRSE W.L. RM 29498 P/O S.A.G. HANSEN RM 40162 SGT. HESLER F.J. 107767 SGT. MELLORCE W.F. 121250 SGT. SPANSON H. RM 22251 SGT. MITCHELL G.S. RM 26233 SGT. BEAN L.A.	HAMBURG.	22.22	05.13	Bombed primary target at 01.30 hours from a height of 18,000 feet, heading 256 degs. IAS 190. Route markers and green T.I. also concentration of fires. Green T.I. in bombight when bombed. We bombed the green T.I. markers in a concentration of fires, which were well alight when we arrived and a huge cloud of dirty yellow smoke was rising above us (18,000 ft.). On leaving the target the glow was seen for over 150 miles.	
	HALIFAX V. B. NR. 219.	RM 12671 P/O HUTTON G.E. 1513457 SGT. HARKER E.G. RM 25044 SGT. WILFORD V. 1077329 SGT. ALLEN J. 125052 SGT. JACKSON A. 135043 SGT. WATKINSON F. 179387 SGT. COOPER R.L.	HAMBURG.	22.08	05.12	Primary target bombed at 01.25 hours from 11,000 feet on a heading 245 degs. IAS 140. Route markers and T.I. green. Dimer port engine failed for a time and starboard inner failed and was feathered. Undercarriage would not go up for quite some time. Bomb down trouble. Raid appeared to be successful but disappointing trip for crew as owing to first the inner port engine and later the starboard inner cutting we came back on three engines.	
	HALIFAX V. B. NR. 274.	RM 88977AG Sqn Ld. J.E. R. SMYTH HAMBURG. RM 11166 P/O H.L. HUGHESON RM 26262 SGT. HANCOCK 1653156 SGT. WILLIAMS H. 1251023 SGT. BRADLEY R.G. 644578 SGT. FRODGER H. RM 26076 P/O FELSDORF J.G.W.	HAMBURG.	21.57	04.22	Primary target bombed at 01.28 hours from 19,500 feet. Heading 240 degs. IAS 145. Heavy smoke up to 20,000 ft. in one big column. Both yellow and green and gas fix at 53 15W 10 05N at 01.28 hours. Bombed on green T.I. markers. Target well covered with fires, concentrated in southeast. One huge explosion seen on way out just after bombing 01.40 hours, from about centre of fires.	
	HALIFAX V. B. NR. 238.	RM 47479 SGT. GIBBEL H. RM 25294 SGT. GARALICK A. 1320167 SGT. SHROCK M.F. 1483363 SGT. WILLIAMS S.F. 1312502 SGT. EVANS M. 1800406 SGT. WINDFIELD J.B. RM 4390 P/O B.J. ANDREWS.	HAMBURG.	22.28	04.45	Bombed primary target at 01.28 hours from 12,000 feet on a heading of 260 degs. IAS 150. Some of the target was seen clearly. No cloud but a heavy pall of smoke over the Western portion. Many fires seen to be burning. Raid very successful.	
	HALIFAX V. B. NR. 235.	RM 15131 S/L. H.E. HUGHESON RM 10665 P/O H.L. HUGHESON RM 6830 P/O G.M. GARDNER 1307785 SGT. KENNEDY B. 15022 P/O W.F. D. HENSON. 1522292 SGT. SOULEY H.S.W. RM 10726 P/O R.M. BOWEN 130550 P/O K.W. JONES.	HAMBURG.	21.58	05.20	Primary target bombed at 01.30 hours from 12,000 ft. on a heading of 246 degs. IAS 150. Visibility good. Markers seen in bombight, but no bursts seen for 15 mins. Route out good but some of the attack was short of aiming point to the North-East. No opposition by time aircraft arrived.	

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
27/28th July 1943.	HALIFAX V. K. MS. 249.	H130740 SGT. HARRISON J.R. 792225 W/O PROCTOR G.H. 185205 SGT. GIBBY R.H. 1803208 SGT. GIBBY G.J. 1566475 SGT. MARSH J.H. 179455 SGT. DAUNT R.H.J. 244850 SGT. READING G.S.	HAMBURG.	22.04	04.18	Primary target bombed at 01.25 hours from 20,000 feet heading 180 degs. IAS 160. There was cloud over the target, but target itself was clear. Fires even heavier than last attack. The pilot states that the target was burning fiercely, but there were more searchlights than before and in bigger cones.	
	HALIFAX V. O. MS. 252.	H131251 SGT. DATES D.H. H15031 SGT. MALLICE V.O. H157401 SGT. BIRCH P. 1593405 SGT. HEDDERLEY J. 1533225 SGT. GILLOTT J. H151263 SGT. WHITE G.O. H154400 SGT. PELLAND J.J.R.A.	HAMBURG.	22.24	05.26	Primary target bombed at 01.35 hours at 20,000 feet heading 196 degs. IAS 176. The target was identified by markers. There were fires all over Hamburg but only concentrated around the markers. Smoke billowing up above aircraft as it bombed. The pilot states that it was a good effort and many fires were seen.	
	HALIFAX V. F MS. 252.	AM344333 P/O ARMOUR V.J. H134021 SGT. McHASTER G.P. 1438000 SGT. COOKE L.F. 1075229 SGT. PAGE H.F. 1566412 SGT. MARGELL H.G. AM3440908 SGT. BROWN J.J. AM3446932 SGT. CLARKE P.O.	HAMBURG.	22.06	05.17.	Primary target bombed at 01.28 hours from 20,000 feet heading 245 degs. IAS 160. Visibility haze. Target was identified by many markers. 1 BCO 418 hung up and left hand over the nose. The pilot states - "Approaching at 00.40 hours 54 degs 10' 07 degs OOWE a Wellington hit the nose of our aircraft on a heading of 109 degs cutting down across us with his trailing aerial. The fires were well spread and burning well to South of Alstern. A good trip."	
	HALIFAX V. E. MS. 216.	1543419 SGT. MITCHELL A.L. H143919 SGT. JEDDH G.H. H132954 SGT. LINDY G. 1681576 SGT. GORDON H. 126732 SGT. LOVE G.E. H13465 SGT. GOUND A.E. H148225 SGT. HAMES J.T.	HAMBURG.	22.10	04.31	Primary target bombed at 01.23 hours from 20,000 feet heading 196 degs. IAS 180. The target was identified by markers. Windows dropped between positions given and pocket brought back. The pilot states that many fires were slight on arrival at the target and were still seen after crossing the coast on the way back.	
	HALIFAX V. T. MS. 215.	H17736 P/O L.F. VICKI H17853 P/O H.L. WARDEN H100022 P/O T. PARKER H.M. 1448506 SGT. GALEY J.H.H. 1205862 SGT. FOLEY J. H146007 SGT. CHAMBERLAIN H. H100077 P.O. BRISTON D.H.	HAMBURG.	22.19	04.36	Primary target bombed at 01.33 hours from 19,000 ft. heading 242 degs. IAS 180 DAB 255. Very hazy but fires could still be seen. Fires covered the whole area around aiming point. The pilot states that distances increased considerably but were still not very effective. Fires were very large.	
	HALIFAX V. U. MS. 212.	H11833 P/O W.M. GUYEN H16902 P/O H.V. SNOW. H16810 P/O H. INGERSOLL H16514 SGT. BETHVEN G. H22208 SGT. MILLER R.H. H216204 SGT. BIRDS V.H. H12836 P/O J.H. FORMAN.	HPQ HAMBURG.	22.17	05.08	Primary target bombed at 01.30 hours from 19,000 ft. heading 270 degs. IAS 160. Bombs were seen to explode and fires seen in large concentrated areas. The pilot states that it was a highly successful raid defenses considerably stronger than previous attack.	

OPERATIONS RECORD BOOK

APPENDIX *Av 54*

I.A.F.
FORM 541.

DETAIL OF WORK CARRIED OUT

By **No. 428 (R.C.A.F.) Squadron.**

SECRET

PAGE No. **18.**

(1941) WL 9216-26 GPO: 1941 T.S. 700
(1934-4-211) WL 9511-2142 1934 12,417 I.S. 700

FOR THE MONTH OF July 1942

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
23/30th July 1942	HALIFAX V. J. KB. 235.	#15131 S/L W.R. SUGGITT #16868 P/O R.A. WHEELER #16830 P/O G.M. CARTER #59760 SGT. ROBERT D. #5999 P/O W.F.D. BROWN #52292 SGT. DOUGLAS W.J.V. #17076 P/O R.H. DONALD #2550 P/O K.V. JONES.	HAMBURG.	21.46	05.13	Bombed primary target at 01.10 hrs. heading 175 N. IAS 120 at a height of 19,000 feet. Visibility was good. Identified by markers which were in bomb sight. A large explosion was seen in "D" area. Defences had been improved and our pilots suggests a new route out be made use of. Fires were well concentrated and as fires spread PFF seemed to drop their flares farther out from the aiming point. Landed at Lening.	
	HALIFAX V. L. KB. 206.	#75878 W.O. HARRISON A. #17784 P.O. R.M. BUSH #105657 SGT. BROOK A.R. #59177 SGT. PINE A.G. #271015 SGT. FERGUSON P.P. #216226 SGT. HENLEY P.P. #15800 SGT. BROWN G.J. #55808 SGT. HARRIS J.	HAMBURG.	22.18	05.06	Primary target bombed at 01.11 hrs. from 19500 ft. heading 172N 140 170 3/40th clockwise. Under cloud tops 8,000 feet. There was some haze and much smoke. Visibility was fairly good. Target identified by markers. Large clouds of smoke up to 10,000 feet. Two loads of I.B. seen dropped about 10 miles short of the target on W.N.W. side. The fires were well concentrated and spread round perimeter of huge smoke patch over the centre of the target. This raid seemed more concentrated and fires more numerous and covering a greater area than the previous raid on Hamburg. Defences had been stepped up since the last attack. Landed at Skipton.	
	HALIFAX V. B. KB. 207	#131688 SGT. BLACKMORE W.V. #135711 SGT. OLIVER N.P. #128236 SGT. WOOD W.S.R. #586611 SGT. WILLIAMS P.S. #111965 SGT. RICHARD G.P. #20435 SGT. RICHARD G.P. #91455 SGT. SALMON G.G.	HAMBURG.	22.14	04.07	Primary target bombed at 01.15 hrs. from a height of 20,000 ft. heading 198 degs. IAS 160. Heavy. Huge pall of smoke up to 15,000 feet. Markers in bomb sight. On arrival a large explosion was seen and then the markers were clearly visible in a good concentration. An excellent concentration of fires all around the A/P. Black smoke in a large column rising from the ground to 15,000 feet. The glow could still be seen from the enemy coast.	
	HALIFAX V. C. KB. 275	#89908 P/S. KISS W.L. #9698 P/O A.A.C. HARRIS #110182 SGT. WHEELER P.B. #670697 SGT. MURPHY R.J. #212590 SGT. FRANKSON H. #162294 SGT. MITCHELL G.H. #162653 SGT. BEAN L.A.	HAMBURG.	21.54	04.00	Primary target bombed at 01.16 hrs. from a height of 19,000 ft. heading 186 degs. IAS 160. No cloud but very cloudy over the target & 5/10ths at 8,000 feet all the way to target. Markers slightly to starboard of bomb sight. No bursts seen. Fires were concentrated around markers and to North of them covering a large area. One large explosion was seen to South West of target. Pall of smoke up to about 16,000 feet. Operation looked as good as the last two, not as much smoke but more fires. Defences were better organised, flak, searchlights and fighters working together. Trouble the number of searchlights of the last attack. Starboard outer engine went unserviceable just after 7 degs. Rest on the way home.	

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
19/30th July 1943.	HALIFAX V. F. KB. 211.	863606 SGT. SHELDON E. 8189648 SGT. MURPHY H.E. 8147446 SGT. LEPPARD F.E. 4327746 SGT. FOX G.F. 8100886 SGT. COOPER W.E. 1567833 SGT. MITCHELL H.R. 8142006 SGT. HARRIS E.R.	HAMBURG.	22.13	05.06	Primary target bombed at 01.16 hours from a height of 19,000 feet heading 175 degs. IAS 155. Heavy, quite a lot of smoke. Markers in bombight. On crossing the enemy coast a glow of fires could be seen and on arrival over Hamburg the fires were burning with a reddish tinge. Black billowing smoke blowing off the A/P to the South up to a height of 16,000 feet. The markers were well concentrated into a green mass. The glow of fires could be seen for 100 miles. Aircraft landed at Croft.	
	HALIFAX V. G. KB. 213.	AD8412671 P/S NEWTON G.R. 1513457 SGT. MORGAN K.G. 8133014 SGT. MEDFORD V. 1672329 SGT. ALLEN J. 1357033 SGT. JAMESON A. 1562949 SGT. WALLBRIDGE F. 1735367 SGT. GORRIE R.P.	HAMBURG.	22.12	02.06	Returned early. Bombs jettisoned safe.	
	HALIFAX V. H. KB. 274.	088977AC Sd. Lt. J.R. SHAW 317168 P/O N.L. MARGHERSON. 8102662 P/O G. BARRICKLEMAN. 1653154 SGT. WILLIAMS R. 1291023 SGT. BRADLEY H.C. 661578 SGT. PROCTOR H. 8103676 P/S FOLPOLD J.C.W.	HAMBURG.	22.16	03.15	Primary target bombed at 01.12 hrs. from a height of 20,000 feet heading 172 degs. IAS 230. No cloud but slight haze. Visibility good. Bombed in centre of markers. Appeared to be a good raid. Not quite so effective as previous two raids. Fires pretty well control. Large fires had good hold. Smoke up to 12,000 feet.	
	HALIFAX V. E. KB. 258.	8117479 SGT. CRISP L.H. 8182691 SGT. GARALSON A. 1380167 SGT. SPENDER R.F. 1624363 SGT. WILLIAMS H.J. 1312502 SGT. EVANS H. 1890406 SGT. BURDOLD J.H. 314390 P/O E. J. ANDERSON.	HAMBURG.	22.21	05.19	Primary target bombed at 01.16 hours from a height of 18,000 feet heading 172 degs. IAS 155. Heavy, no cloud. Markers in bombight. No bursts seen. There was a large area of fires concentrated well round markers. No explosions were seen. Smoke rising to 12-16,000 feet, searchlights greatly increased, and more flak than last time. Some guns putting up coloured tracer Red and Green. Aircraft landed at Croft.	
	HALIFAX V. E. KB. 269.	8130740 SGT. HARRISON E.R. 782823 W.O. PROCTOR J.H. 1862923 SGT. GIBBY T.F. 1803903 SGT. COLVILLE G.J. 1365175 SGT. MARZIN J.H. 873853 SGT. DORSET R.H.J. 8118290 SGT. FRANKS G.S.	HAMBURG.	22.04	04.15	Primary target bombed at 01.27 hrs. from a height of 20,000 feet heading 175 degs. IAS 160. Clear over target. Some smoke 10/10ths up to 8,000 feet on route both ways. Markers in bombight. Fires more spread than previous nights, they were concentrated round the marker but the area was large. A pall of smoke hung over the target. Not a great deal of flak but innumerable searchlights. Aircraft landed at Croft.	

OPERATIONS RECORD BOOK

APPENDIX A-5a

A.F.
FORM 541.

DETAIL OF WORK CARRIED OUT

By No. 128 (R.O.A.F.) Squadron

SECRET

PAGE No. 20

(7811) Wk. 2215-25 40,000 244 T.S. 700
(7814-2217) Wk. 2211-242 1058 1464 T.S. 700

FOR THE MONTH OF July, 1943.

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
29/30th July, 1943.	HALIFAX V. P. NB. 252.	87841333 P/O AIRBOR W. J. HAMBURG. R154021 SGT. MERRITT J. P. 1458000 SGT. JOHN L. P. 1672772 SGT. PAUL L. P. 4386442 SGT. DUMRELL H. G. 87840948 SGT. MOON J. J. 878416932 SGT. GLUCAS F. G.	HAMBURG.	22.07	05.11	Primary target bombed at 01.07 hrs. from a height of 20,000 feet heading 174 degs. IAS 155. Slight haze. Smoke from the target only up to 8,000 feet. Visibility good. Markers in bombsight. Flares seemed concentrated around target. Not up to the standard of the last two raids. Scattered fires all over the target area. Aircraft landed at Oxf't.	
	HALIFAX V. G. NB. 259.	R151551 SGT. BAYNES D. H. R156931 SGT. ALEXANDER W. G. R157401 SGT. DEMCOCK P. J. 1684306 SGT. HUGHES T. J. 1362306 SGT. BALLOWAY H. R161983 SGT. HAULT G. G. R139100 SGT. PHILLIPS J. L. R. A.	HAMBURG.	22.23		Nothing has been heard from this aircraft since the time of take-off.	
	HALIFAX V. R. NB. 216.	1360419 SGT. MCFARLANE A. L. R140919 SGT. BROWN G. S. R132571 SGT. LANNY G. 1638376 SGT. GORDON H. 1126728 SGT. LOFT G. L. R131463 SGT. GOURD A. E. R118223 SGT. HANSEN J. T.	HAMBURG.	21.40	04.30	Primary target bombed at 01.08 hrs. from a height of 19,500 feet heading 173 degs. IAS 160. Visibility was very good. Slight haze and smoke. Markers in bombsight. A very successful raid. Large fires seen in the target before attack was made. One very large explosion seen almost in centre of the target. Searchlights very accurate.	
	HALIFAX V. G. NB. 214.	R17282 P/O V. E. GYMERESSEL 1331296 SGT. FORDE F. 1604079 SGT. CHARLESWORTH D. 1071860 SGT. ROSE E. L. R216225 SGT. PHILLIPS R. A. 179401 SGT. SMITH R. G. 1077216 P/O PATTERSON H. L.	HAMBURG.	21.57	04.18	Primary target bombed at 01.01 hours from a height of 18,000 feet heading 175 degs. IAS 170. Hazy no clouds. Smoke from the target. Markers in bombsight. Large belts of searchlights all around the target area. Generally defences seem to have improved since last raid. Searchers flat near Ziel. The large column of searchlights were not concentrated on aircraft and were just wandering aimlessly all over the place. Two fairly large explosions were seen at 01.11 hours and 01.13 hours. Smoke column rising up to 14,000 feet. Aircraft landed at Oxf't. Captain made special report.	
	HALIFAX V. R. NB. 215.	R17794 P/O L. P. WILLIAMSON R17833 P/O W. M. WALKER. R100022 P. S. PARKER H. B. 1448306 SGT. GARLET J. H. B. 117761 P/O B. L. SMITH R216207 SGT. CHAMBERLAIN E. R20077 P/O GREENE H. H.	HAMBURG.	22.17	05.02	Primary target bombed at 01.10 hours from a height of 19,600 feet heading 171 IAS 180. Hazy. 3/10ths clear sky about 10,000 feet. Markers in bombsight. Pilot stated that defences have increased. Numerous fires seen burning brightly. FFY good, flat not very effective. Searchlights troublesome. Seen to have increased and there were large ones around the city. Aircraft landed at Oxf't.	

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
23/30th July, 1943	HALIFAX V. B. MK. 212.	41483 W/O D.W.M. SMITH WFO 30620A W/O R.V. GROW. 31680 W/O R. HERRINGTON. 37638 W/O J. WOODHEAD G. 34280 W/O R. HARRIS R.O. 221807 W/O R. HARRIS R.O. 31226 W/O R. HARRIS R.O. 2133 W/O R. G. GORDON.	HAMBURG.	22.20	04.23	Primary target bombed at 01.15 hrs. from a height of 18,000 feet heading 280 degs. IAS 170. Visibility & mist decreased over target. Ground details seen in flares. Green concentration in bombight. Pilot states smoke started at ground level and was up to 12/14,000 feet but covered a bigger area than last time. Fires were well concentrated. Seen on approach and when leaving. Very difficult to tell whether there was any improvement in fires since last attack but no large fire was seen to the extreme West of Hamburg. 779 concentrated on target but route T.I. was spaced.	
	HALIFAX V. V. MK. 230.	30120 W/O G.V. FAISON 374101 W/O R.H. ORR. 312904 W/O M. HILL D.S. 171925 W/O L. WILSON R.L. 312271 W/O L. WILSON R.L. 182199 W/O M. GAZDAR H.O. 314673 W/O R. GAZDAR J.A.	HAMBURG.	21.59	04.40	Primary target bombed at 01.09 hours from 19,200 feet heading 175 IAS 160. Heavy mist rising to 14,000 feet. Markers in bombight. Pilot states on arrival at the target the searchlights seemed more concentrated than ever. The fires were burning with a red blast, they seemed to be more scattered than last time. The smoke was covering a larger area, rising to about 12,000 ft. The green T.I. markers were very well concentrated. The glow which was not as bright as last time was seen from the coast. The raid was considered very successful. Aircraft landed at Oort.	
	HALIFAX V. K. MK. 196.	315507 W/O B. BROWN R.L. 314118 W/O M. MITCHELL J. 312736 W/O L. LESLIE A.B. 180239 W/O R. BROWN R.L. 313045 W/O M. BROWN R.L. 314173 W/O M. BROWN R.L. 310431 W/O R. POWERS R.F.	HAMBURG.	22.02	05.15	Primary target bombed at 01.07 hrs. from a height of 18,000 feet heading 150 M IAS 160. Smoke and haze over Hamburg. Markers in bombight. 779 markers good and well on time. Target well covered and burning fiercely. Smoke up to 15,000 feet, searchlights still working almost singly. Detonations appeared very weak but seemed to step up very considerably right after aircraft left target. Landed at Oort.	

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OPERATIONS RECORD BOOK

APPENDIX A-55

A.F. FORM 5

DETAIL OF WORK CARRIED OUT

By **No. 438 (R.C.A.F.) Squadron**

SECRET

PAGE No. **22**

(1941) W.P. 100-1000 6,000 1/16 T.S. 700
(1942-1943) W.P. 1011-1041 1050 1/16 T.S. 700

FOR THE MONTH OF **July** 19**43**

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
30/7/43 July, 1943	HALIFAX V. G. BK. 258	AUS44333 P/O AIRBOR N. J. R54024 SGT. MANSER J. D. 445800 SGT. COUPE L. F. 467277 SGT. PAGE S. F. 436642 SGT. LAMBERT R. G. AUS40918 SGT. MOON J. J. AUS46232 SGT. CLUGAS R. G.	RESCUED.	21.55	02.12	Returned early owing to engine trouble. Furthest point reached 54 degs. 29'N 04 degs. 50'W. Bomb jettisoned, 20 miles from Dunkirk.	
	HALIFAX V. R. BK. 216	436949 SGT. KINSELL A. L. R140919 SGT. BROWN G. S. R152271 SGT. BIRRE G. 480229 SGT. MALDEN H. 412679 SGT. LOFT G. K. R17165 SGT. GORD A. E. R118223 SGT. HANER J. E.	RESCUED.	21.50	03.21	Primary target bombed at 01.18 hrs. from a height of 21,000 feet heading 310 degs N 245 222 IAS 150. Quite clear, no cloud over target. Target identified by markers which were in bombight. The route was good and 177 markers were seen to fall mostly on time. Defences were very weak and ineffective. No enemy fighters seen anywhere although fighter flares were seen in several places. The flares were burning in a solid wall and attack considered a success.	
	HALIFAX V. V. BK. 212	317282 P/O V. E. STEWART 4136637 SGT. POORE P. 434396 SGT. GIBSON-ROSEY 463477 SGT. CHALSWORTH D. 407480 SGT. BOSE Y. L. 534288 SGT. LAMB J. W. 472601 P/O SMITH R. G.	RESCUED.	21.57	03.40	Primary target bombed at 01.19 hrs. from a height of 19,000 feet heading 300 N IAS 165. Clear slight haze. Visibility good. No ground detail seen. Markers seen in bombight. Some bomb bursts and 2 big explosions followed by clouds of black smoke. Route good. PFF well concentrated. Good fires and plenty of black smoke seen.	
	HALIFAX V. V. BK. 238	221265 P/L G. W. HANCOCK R14481 P/O D. H. GIBB R129404 SGT. MERRILL D. J. 471995 SGT. LEWIS R. A. R122571 SGT. BARKS L. M. 4821599 SGT. MCGLYNN R. G. R146475 SGT. LEWIS J. A. R16305 P/O G. R. BRIDGES	RESCUED.	21.58	04.04	Primary target bombed at 01.23 hrs. from a height of 19,000 feet heading 305 degs. IAS 180. Visibility heavy and some smoke. Red XI in bombight. Fires were beginning to take hold when aircraft arrived, burning with a red bluish flame. Numerous incendiaries seemed to burn in a large sheet of the A/P. Black smoke was rising to about 5,000 feet. Fires in good concentration. After recent large raids the fires and smoke on this target seemed small but the glow was seen from the coast on the way home.	

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