

# OPERATIONS RECORD BOOK

APPENDIX "A"

R.A.F.  
FORM 541.

DETAIL OF WORK CARRIED OUT

By **No. 419 (R.C.A.F.) SQUADRON.**

**SECRET**

PAGE No. **57**

(2021) Wk 2021-01 60000 244 T.S. 700  
(2004) 25111 Wk 5511-244 1024 1247 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		
3rd/4th July	HALIFAX II 2D.226	2/Lt. G.A. Hetherly Sgt. Angus, R.C.A.F. 2/O S.H. Buchanan Sgt. Woods, R.C.F. Sgt. Redding, F. Sgt. Thomson, F. Sgt. Poterbin, R.V.	Captain Navigator Bomb Aimer W/O p.A.G. Flight Eng. 2nd Gunner Rear Gunner	22.50	05.35	Successful. Target OCEANS with 2 x 1,000-lb., 40 x 50-lb., and 650 x 4-lb. incendiaries. Weather clear, no cloud. RHINE visible. Target identified by route flares and T.L. markers very accurate. Smoke target area seen as one big black cloud with some falling ash. Flak almost petered out. Light flak up to 15,000 feet.	A-618
3rd/4th July	HALIFAX II 2B.430	2/O G.E. MacLennan Sgt. Hancock, R.C.A.F. Sgt. Wilson, R.C.F. Sgt. Allen, J.G. Sgt. Lewis, A.J. 2/O V.L. Noble	Captain Navigator Bomb Aimer W/O p.A.G. Flight Eng. 2nd Gunner Rear Gunner	22.43	05.00	Successful. Target OCEANS with bomb load as above. Visibility good. A thin layer of smoke over target, which was identified and bombed by red and green T.L. markers and flares. Heavy concentration of flares to the south. Black rolling smoke from target. P.K.F. very good. Searchlights were constant and seemed unable to hold al- though. Smoke good. A concentrated attack.	A-619
3rd/4th July	HALIFAX II 2B.500	2/O R.F. White 2/O J.R. Hart 2/Sgt. Thompson, R.V. Sgt. Simpson, G.V. Sgt. Brown, S. Sgt. Morrison, R.V. 2/Sgt. Hill, G.V.	Captain Navigator Bomb Aimer W/O p.A.G. Flight Eng. 2nd Gunner Rear Gunner	22.18	05.11	Successful. Target OCEANS with bomb load as above. Visibility good apart from slight cloud or smoke haze. Bombed on concentration of red and green T.L. markers. Large glow of flares seen with black smoke rising 7/8,000 feet. Target seemed to be obscured from end to end. Route excellent. A very good attack. 'Monics' and 'flares' successful.	A-620
3rd/4th July	HALIFAX II 2D.257	2/O M.R. Ingham 2/O G.A. Wright Sgt. Macdonald, R.C.F. Sgt. Smith, G.V. Sgt. Smith, R.C.F. Sgt. Cox, R.V. Sgt. G. Miller, R.	Captain Navigator Bomb Aimer W/O p.A.G. Flight Eng. 2nd Gunner Rear Gunner	22.39	04.30	Successful. Target OCEANS with bomb load as above. Visibility good. No cloud but slight haze. Green flares seen on approaching and green T.L. in background. One large explosion seen at 01.32 hours and another at 01.57 hours. Many flares. 1 x 1,000-lb. bomb hit to be mentioned. Smoke very flak free. P.K.F. well concentrated. A successful attack. AIRCRAFT DOWN AT R.A.F. DUNDEE.	
3rd/4th July	HALIFAX II 2B.376	2/Lt. H.K. Kettle 2/Sgt. Buchanan, R.V. 2/O R.S. Reid 2/O A.S. Macmillan Sgt. Gibson, G.V. Sgt. Johnson, R.C.F. Sgt. Burns, G.A. W/O James, R.V.	Captain 2nd Pilot Navigator Bomb Aimer W/O p.A.G. Flight Eng. 2nd Gunner Rear Gunner	22.18	04.14	Successful. Target OCEANS with bomb load as above. No cloud, visibility good. Bombed on red T.L. incendi- aries were well concentrated but south of the T.L.'s. One big explosion seen at north end of target. P.K.F. good. No flares and little opposition encountered. 'Monics' not fitted but 'flares' working well.	A-622
3rd/4th July	HALIFAX II 2D.204	2/Lt. P.C. Hooden 2/Lt. R.L. Shields Sgt. Wiglesworth, M. Sgt. Nevins, G.V. Sgt. Poole, S. Sgt. Pyley, R.G.	Captain Navigator Bomb Aimer W/O p.A.G. Flight Eng. 2nd Gunner Rear Gunner	22.52	04.38	Successful. Target OCEANS with bomb load as above. No cloud over target. Bombed on red T.L. 'Monics' and 'flares' not working well. Flak over target was only moderate. Only a few flares to the west of the RHINE and a large number within 1 mile to 1 1/2 miles of the starting point.	A-623

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
3rd/4th July	HALIFAX II JD.163	2nd Lt. E.J. Purdy Sgt. Oatenden, M. Sgt. Parrott, G.G. Sgt. Gilchrist, G.G. Sgt. Comrie, J.S. Sgt. La Salle, E. P/O. R.L. Kenyon	Captain Navigator Bomb Aimer W/Opt.A.G. Flight Eng. 2nd Gunner Rear Gunner	22.33	05.36	Successful. Target COLOMIE with 2 x 1,000-lb., 18 x 30-lb. and 630 x 4-lb. incendiaries. No cloud over target. Bombed on green T.I. 40 lbs and many small fires seen, also being visible from 150 miles away. Fires were very concentrated. 'Monica' was very good but nothing heard on 'Einsel'.	A-62
3rd/4th July	HALIFAX II JD.114	Sgt. Malloch, J. P/O R.W.K. Harvey Sgt. Macky, R.H. Sgt. Brown, A.B. Sgt. McMillan, S.S. Sgt. McKeon, J.J. Sgt. Roe, R.H.	Captain Navigator Bomb Aimer W/Opt.A.G. Flight Eng. 2nd Gunner Rear Gunner	22.35	05.47	Successful. Target COLOMIE with bomb load as above. No cloud, visibility good. Bombed on red T.I. Attack considered really concentrated. Light flak going up to 16,000 feet but heavy flak not quite so heavy as on previous attacks. Route good. P.P.F. very well placed. 'Monica' and 'Einsel' both working.	A-63
3rd/4th July	HALIFAX II JD.270	Sgt. Cameron, W.D.S. Sgt. Birch, G.R. Sgt. Dunlop, F.J. Sgt. Duggan, F.H. Sgt. Murray, J.E. Sgt. Schatz, S.H. Sgt. Ross, R.H.	Captain Navigator Bomb Aimer W/Opt.A.G. Flight Eng. 2nd Gunner Rear Gunner	22.41	05.49	Successful. Target COLOMIE with bomb load as above. No cloud. Visibility good apart from haze. Bombed on green T.I. 'Monica' and 'Einsel' not working. Route and P.P.F. good.	A-65
3rd/4th July	HALIFAX II V.7062	P/O A.M. Quaid P/O J.E. Archibald P/O G.E. Graham P/Sgt. Mitchell, F. Sgt. Martin, L.F. Sgt. Miller, F.A. Sgt. Ross, R.H.	Captain Navigator Bomb Aimer W/Opt.A.G. Flight Eng. 2nd Gunner Rear Gunner	22.57	05.15	Successful. Target COLOMIE with bomb load as above. No cloud, visibility good, apart from haze. Bombed on red T.I. 'Monica' worked well but 'Einsel' only for about 10 minutes. Attack considered a great success. Many con- spicuous and fires seen.	A-67
3rd/4th July	HALIFAX II DE.770	P/O S.M. Head Sgt. Walker, W.R. Sgt. Wilson, F.S. Sgt. Brown, J.F. Sgt. Hill, S. Sgt. Thomson, D. Sgt. Dally, J.H.	Captain Navigator Bomb Aimer W/Opt.A.G. Flight Eng. 2nd Gunner Rear Gunner	23.14	05.55	Successful. Target COLOMIE with bomb load as above. No cloud, visibility good. Bombed on red T.I. HIDE seen by light of fires, which on east side seemed to be within a mile or so of aiming point. One huge fire practically on aiming point with flames up to a great height. Only moderate barrage but some tracer up to 18,000 feet. Night fighters not troublesome but 1 aircraft seen shot down.	A-68
3rd/4th July	HALIFAX II JD.965	Sgt. Ingham, S. Sgt. Chiswell, A.B. Sgt. Colwell, H.B. Sgt. Pollard, G.H. Sgt. Fisher, G.A. Sgt. Harritt, R.H.	Captain Navigator Bomb Aimer W/Opt.A.G. Flight Eng. 2nd Gunner Rear Gunner	22.28	05.16	Successful. Target COLOMIE with bomb load as above. No cloud but quite a lot of heavy white smoke. Bombed on red T.I. HIDE. Attack appeared to be well concentrated. Route was exceptionally good and was absolutely free from enemy activity but small flak and searchlights encountered before entering the city. P.P.F. markers very accurate.	A-69

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UNCLASSIFIED RECORD BOOK

OPERATIONS RECORD BOOK

APPENDIX "A"

A.F. FORM 541

DETAIL OF WORK CARRIED OUT

By 30412 (R.C.A.F.) SQUADRON

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PAGE No. 59

(0811) Wt. 250-55 60,000 241 T.S. 250  
(0814-0815) Wt. 250-55 100 1247 T.S. 700

FOR THE MONTH OF JULY 1943

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
3rd/4th July	HALIFAX II 3D-159	P/O R.A.H. Bell Sgt. Anderson, S.S. Sgt. Simpson, A. P/Sgt. Williston, R. Sgt. Aronson, J.S. Sgt. Taylor, W.E. Sgt. Nichols, R.E. P/Sgt. Aldrich, G.R.	Captain P/D Sgt Pilot P/D Navigator P/D Bomb Aimer P/D W/O A.G. P/D Flight Eng. P/D Sgt Gunner P/D Rear Gunner P/D	22.30	-	This aircraft took off to attack GORONH with 2 x 1,000-lb., 4 x 50-lb. and 40 x 1-lb. incendiaries. Nothing further was heard from the aircraft after take-off and its failure to return is presumed to be due to enemy action. "Flashed" and "Washed" were carried.	A-630
9th/10th July	HALIFAX II 3D-588	Sgt. McArthur, R.E. Sgt. Oldswell, A.R. Sgt. Edwards, B. Sgt. Roberts, H.E. Sgt. Pollard, G.H. Sgt. Gurner, G.A. Sgt. Harvitt, R.E.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. Sgt Gunner Rear Gunner	22.19	05.51	Successful. Target GLENNKIRK with 2 x 2,000-lb., 18 x 50-lb. and 50 x 1-lb. incendiaries. 10/10ths cloud, tops 16/17,000 feet. Target identified and bombed on red and green flares. Nothing seen owing to cloud. P.F.F. markers very well spaced and ranging very good.	A-631
9th/10th July	HALIFAX II 3D-218	P/Sgt. A.E. Quille P/O R.M. Lushmore P/O G.T. Graham P/Sgt. Mitchell, P. Sgt. Martin, J.R. P/O L.G. Gray Sgt. Cook, R.S.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. Sgt Gunner Rear Gunner	22.23	05.57	Successful. Target GLENNKIRK with bomb load as for aircraft 3D-965 above. 10/10ths cloud. Target identified and bombed by marker flares, and by R.F.A. Two explosions were seen and bright red flash at 21.30 and 21.33 hours. Bombs working perfectly. Nothing heard on ground. Heavy flak in barrage form over target and definite parachute flare on the way out following aircraft.	A-632
9th/10th July	HALIFAX II 3D-270	Sgt. Ogden, R.H.I. Sgt. Birch, G.E. Sgt. Walker, V.E. Sgt. Duggan, J.E. Sgt. Williams, J.T. Sgt. Scher, R.E. Sgt. Ross, R.E.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. Sgt Gunner Rear Gunner	22.39	06.17	Successful. Target GLENNKIRK with bomb load as for aircraft 3D-965 above. 10/10ths cloud. Target identified and bombed by red and green flares. A large explosion seen which lit up cloud just before bombing of GLENNKIRK, but no other results of attack observed owing to cloud. P.F.F. very good. Route satisfactory.	A-633
9th/10th July	HALIFAX II 3D-114	Sgt. Coombs, G.H. P/O W.B. Hensley Sgt. Hayes, W.E. Sgt. Brown, S.A. Sgt. Booth, R.A. Sgt. Gule, R.E. Sgt. Benson, V.E. Sgt. Stewart, R.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. Sgt Gunner Rear Gunner Sgt Pilot	22.30	05.17	Successful. Target GLENNKIRK with bomb load as for aircraft 3D-965 above. Visibility poor owing to 10/10ths cloud. Target identified by track flares. Some terrific bursts seen in target area. Crew were unable to see anything in target area except one large white reflection which illuminated the sky for miles round.	A-634
9th/10th July	HALIFAX II 3D-163	Sgt. J.G. Remy Sgt. Gattardo, H. Sgt. Fawcett, G.G. Sgt. McDonald, S.G. Sgt. Goodwin, R.E. Sgt. Le Sells, R. P/O R.L. Emgen	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. Sgt Gunner Rear Gunner	22.01	05.52	Successful. Target GLENNKIRK with bomb load as for aircraft 3D-965 above. 10/10ths cloud. Tracking flares seen on way in but no results of attack observed. Route good apart from target area where heavy flak was intense in barrage form. Cloud prevented any observation.	A-635

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
9th/10th July	HALIFAX II DF.721	W/Lt. W.H. Keddle P/O A.S. Winkill Sgt. Coburn, C.R. Sgt. Kitchin, K.R. Sgt. Hurst, G.A. Sgt. Leunge, J.A. W/Sgt. Dombrowski, E.	Captain Navigator Bomb Aimer W/Opt.A.S. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	22.28	05.55	Successful. Target GELSENKIRCHEN with 1 x 2,000-lb., 48 x 50-lb. and 500 x 1-lb. incendiaries. 10/10ths cloud, visibility poor. Target identified by flares. A glow from one explosion was seen at 01:32 hours. Route was moderate but heavy flak was encountered over target.	A-636
9th/10th July	HALIFAX II DB.208	W/Lt. E.G. Weldon W/O P. Campbell W/Sgt. Owen, P.M. Sgt. Finglsworth, M. Sgt. Nevins, G.V. Sgt. Poole, S. Sgt. Hyley, D.G. W/Lt. R.J. Cochrane	Captain Navigator Bomb Aimer W/Opt.A.S. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	22.32	05.09	Successful. Target GELSENKIRCHEN with bomb load as above. 10/10ths cloud. Target identified by flares going in. Bombed on E.T.A. Weather worked well. No observations could be made owing to cloud conditions. Heavy flak in the target area was the heaviest ever experienced; very accurate and bursting mainly at 20,500 feet over a wide area. Route was long and well chosen.	A-637
9th/10th July	HALIFAX II DB.859	W/O G.H. Beard Sgt. Walter, S.E. Sgt. Johnson, P.C. Sgt. Hoshok, J.J. Sgt. Elyth, G. Sgt. Thornton, R. Sgt. Dally, J.W.	Captain Navigator Bomb Aimer W/Opt.A.S. Flight Eng. 2nd Gunner Rear Gunner	22.40	02.45	Unsuccessful. Target GELSENKIRCHEN with bomb load as above. Returned early from 55 17W 05 44N with rear turret W/S. All bombs fettled.	A-638 BR
9th/10th July	HALIFAX II DB.257	W/O M.R. Ludlow P/O G.A. Wright Sgt. MacLaren, A.S. Sgt. Smith, G.R. Sgt. Scott, W.L. Sgt. Ross, S.H. Sgt. de Meliter, W.	Captain Navigator Bomb Aimer W/Opt.A.S. Flight Eng. 2nd Gunner Rear Gunner	22.35	06.00	Successful. Target GELSENKIRCHEN with bomb load as above. 10/10ths cloud. Target identified by tracking flares. No results of bombing observed. One large reddish-purple explosion seen which lit up whole of sky. Route good. Intense heavy flak over target, concentrated in barrage form.	A-639
9th/10th July	HALIFAX II DB.150	W/O G.H. MacIntosh W/O R.V. Harrold Sgt. Hancock, R.J.G. Sgt. Davison, K.K. Sgt. Allan, J.O. Sgt. Lewis, A.J. W/O K.L. Noble	Captain Navigator Bomb Aimer W/Opt.A.S. Flight Eng. 2nd Gunner Rear Gunner	22.26	04.57	Successful. Target GELSENKIRCHEN with bomb load as above. 10/10ths cloud. Target identified by flares. Tinsel was used but nothing was heard. Route good. F.F.F. flares well concentrated. Intense heavy flak over HHR.	A-640
9th/10th July	HALIFAX II DB.256	Sgt. Shenson, I. Sgt. Ross, W.R. Sgt. Pender, G.H. Sgt. Laker, G.V. Sgt. Brown, J. Sgt. Forder, A.L. Sgt. Hill, L.K.	Captain Navigator Bomb Aimer W/Opt.A.S. Flight Eng. 2nd Gunner Rear Gunner	22.37	05.42	Successful. Target GELSENKIRCHEN with bomb load as above. 10/10ths cloud. Target identified by tracking flares. Glow seen reflected in cloud after bombing. Heavy flak in target area.	A-641

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# OPERATIONS RECORD BOOK

APPENDIX "A"

A.F. FORM 541.

DETAIL OF WORK CARRIED OUT

By No. 119 (B.C.A.S.) Squadron

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(1931) WL 947-2 24x36 241 T.A. 700  
(1934-35) WL 9517-245 1028 1247 T.A. 700

FOR THE MONTH OF July 1943

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
13th/14th July	HALIFAX II JD. 256	P/O. C.A. McArthur P/O. W.C. Coleman Sgt. Woods R.J. Sgt. Madings T. Sgt. Jackson F. Sgt. Petepkin F.V.	Captain Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	23.01	04.53	Successful. Target AACHEN with 1 x 2,000-lb. H.C. Nose Load 48 x 50-lb. and 650 x 4-lb. incendiaries. 5/10ths cloud tops 7/10,000 feet broken in spots. Bombed on red T.L. On leaving the target flares commenced to burn with a reddish glow. Incendiaries could be seen dropping.	A-62
13th/14th July	HALIFAX II JD. 158	P/O. G.E. MacArthur P/O. L.V. Barrold Sgt. Haddock E.J.G. Sgt. Harrison M.E. Sgt. Allen J.C. Sgt. Lewis A.J. P/O. W.L. Noble	Captain Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	22.56	04.50	Successful. Target AACHEN with bomb load as above. 9/10ths cloud with tops 8/12,000 feet. Target identified and bombed by markers. No results observed. Route considered very good, little flak and defences in target area very slight.	A-63
13th/14th July	HALIFAX II JD. 900	P/Lt. W.H. Heddle P/O. J.G. Blair P/O. A.H. Vinskill Sgt. Gibson G.H. Sgt. Kirker R.R. Sgt. Hurst G.A. P/O. R.W. Wagner	Captain Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	23.05	05.17	Successful. Target AACHEN with bomb load as above. 8-9/10ths cloud, tops 3,000 feet. Target identified and bombed by markers. Reflection of one big explosion seen at 01.42 hours. Results of attack not observed owing to cloud. Route good, defences light over target. Aircraft was attacked three times by W/L, the Rear Gunner shooting down one of these who was confirmed by the base and the W/O Gunner.	A-64
13th/14th July	HALIFAX II JD. 857	P/O. H.L. Lyell P/O. G.R. Wright Sgt. MacGavin A.E. Sgt. Ryan G.H. Sgt. Scott H.L. Sgt. Joe R.R. Sgt. G. Molloy S.	Captain Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	22.54	04.55	Successful. Target AACHEN with bomb load as above. 9-10/10ths cloud with tops at 10/12,000 feet. Target identified by markers. Aircraft arrived early and passed over target before markers were seen behind. Some bombs seem to burst, but results of attack generally not observed. Trip was without incident.	A-65
13th/14th July	HALIFAX II JD. 859	P/O. R.H. Beard Sgt. Palmer G.S. Sgt. Watson P.O. Sgt. Hadden J.J. Sgt. Elph G. Sgt. Thornton D. Sgt. Daly J.W.	Captain Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	23.02	05.05	Successful. Target AACHEN with bomb load as above. Visibility good but 10/10ths cloud over target, with tops about 12,000 feet. Target identified and bombed by markers. Red glow just visible through the cloud.	A-66
13th/14th July	HALIFAX II JD. 804	P/O. F.H. Woodin P/O. P. Campbell Sgt. Wigglesworth M. Sgt. Rovins G.W. Sgt. Poole S. Sgt. Pyley B.W. P/Lt. D.J. Corcoran	Captain Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner 2nd. Pilot	23.03	05.02	Successful. Target AACHEN with bomb load as above. 8-9/10ths cloud broken at 12,000 feet, heavy. Target identified and bombed by markers. Flares appeared to be concentrated and were visible 4.00 miles away. Very accurate flak, very French anti-aircraft, some light flak over target.	A-67

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
13th/14th July	HALIFAX II JA. 731	W/O. Dudenstoft T. Sgt. Gumpert R. Sgt. Davis J. Sgt. Marshall R. Sgt. Wade R. Sgt. Mann J.	Captain Navigator Bomb Aimer W/O. A.G. Pit. Eng. 2nd. Gunner Rear Gunner	23.05	05.02	Successful. Target AACHEN with 1 x 2,000-lb. H.G. Rose Inst. 48 x 30-lb. and 630 x 4-lb. incendiaries. 10/10ths cloud, tops 15,000 feet. Target identified and bombed by markers. Two large explosions seen just after bombing at 0150 and 0154 hours, medium flak over target, several fires seen through cloud.	A-648
13/14th July	HALIFAX II JA. 163	W/O. H. H. Fleming P/O. A. J. Farrell P/O. M. L. O. D. P/O. A. P. Smith Sgt. Hallsworth A. K. P/Sgt. Druffitt M. E. Sgt. Clarke G. F. P/Sgt. Stewart R.	Captain Navigator Bomb Aimer W/O. A.G. Pit. Eng. 2nd. Gunner Rear Gunner 2nd. Pilot	23.00	05.27	Successful. Target AACHEN with bomb load as above. 10/10ths cloud tops mainly 7 - 8,000 feet, bombed on red markers. Fires seemed to be starting as aircraft left, but too early on target to see any results, practically no opposition encountered.	A-649
13th/14th July	HALIFAX II JA. 114	Sgt. Gortlee G. M. P/O. W. S. Harby Sgt. Ray W. R. Sgt. Norman J. A. Sgt. Booth R. A. Sgt. Child R. G. Sgt. Bennett H. E. Sgt. Detherton J. M.	Captain Navigator Bomb Aimer W/O. A.G. Pit. Eng. 2nd. Gunner Rear Gunner 2nd. Pilot	22.52	04.47	Successful. Target AACHEN with bomb load as above. 9-10/10ths cloud, tops above 10,000 feet. Visibility very good above cloud. Bombed on yellow route markers seen on way, bombing appeared to be very scattered, no large fires seen.	A-650
13th/14th July	HALIFAX II JA. 270	Sgt. Cameron W. D. L. Sgt. Kirkish G. R. Sgt. Finkner V. J. Sgt. Rogers L. H. Sgt. Mallory J. T. Sgt. Schumf R. W. Sgt. Ross R. E.	Captain Navigator Bomb Aimer W/O. A.G. Pit. Eng. 2nd. Gunner Rear Gunner	22.59	05.12	Successful. Target AACHEN with bomb load as above. 10/10ths cloud, flares seen on way in, but markers obscured by cloud. Bombed on H.T.A. 5 or 7 large fires seen after bombing. Cloud obscured target but it was well lit up.	A-651
13th/14th July	HALIFAX II JA. 240	P/O. A. H. Quade P/O. L. K. Aspinall P/O. G. T. Graham P/Sgt. Mitchell P. Sgt. Martin L. F. P/O. R. G. Muff P/O. R. F. Smith Sgt. Sobin J. A.	Captain Navigator Bomb Aimer W/O. A.G. Pit. Eng. 2nd. Gunner Rear Gunner 2nd. Pilot	22.57	05.07	Successful. Target AACHEN with bomb load as above, 10/10ths cloud. Target identified and bombed by markers which were more scattered than usual. Huge red glow could be seen after leaving targets. Route excellent.	A-652
13/14th July	HALIFAX II JA. 965	Sgt. Nathaniel R. E. Sgt. Chidwell A. B. Sgt. Edwards R. Sgt. Keisall H. R. Sgt. FOLLING C. H. Sgt. Usher G. A. Sgt. Marriott R. H.	Captain Navigator Bomb Aimer W/O. A.G. Pit. Eng. 2nd. Gunner Rear Gunner	22.53	05.13	Successful. Target AACHEN with 1 x 1,000 -lb. H.G. T.D. 0.025, 48 x 30-lb., and 630 x 4-lb. incendiaries. 7-8/10ths cloud, target identified and bombed by markers. Red glow of fires seen reflected through cloud, which obscured results. Route good.	A-653

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# OPERATIONS RECORD BOOK

APPENDIX "A"

U.S. AIR FORCE FORM 541.

DETAIL OF WORK CARRIED OUT

By No. 449 (B.C.A.F.) Squadron

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FOR THE MONTH OF JULY 1943

(2011) WL 912-65 60,000 244 U.S. 700  
(1942-2011) WL 912-65 60,000 244 U.S. 700

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
13th/14th July	HALIFAX II NR 323	Captain J.A. D. J. Perry II Sgt. Gifford M. G. Sgt. Purvett G.C. Sgt. Gifford M. G. Sgt. Gifford M. G. Sgt. La Salle M. J. Sgt. Duffin W.C. 27	Captain Navigator Bomb Aimer W/O V.A.G. P.T. Eng. 2nd Gunner Rear Gunner	22.56	-	This aircraft took off to attack AACHEN with 2 x 1,000-lb. H.C., 2 x 500-lb. G.C., 4 x 20-lb. and 60 x 4-lb. incendiaries. Nothing further was heard from the aircraft after take-off and its failure to return is presumed to be due to enemy action.	A-65A
24th/25th July	HALIFAX II JD-656	Sgt. Chapman, L. Sgt. Ross, W.E. Sgt. Preece, G.E. Sgt. James, W.E. Sgt. Brown, H.E. Sgt. Hill, R.W. Sgt. Burton, A.L.	Captain Navigator Bomb Aimer W/O V.A.G. P.T. Eng. 2nd Gunner Rear Gunner	22.12	04.00	Successful. Target HANNOVER with 4 x 2,000-lb. H.C., 4 x 50-lb., and 60 x 4-lb. incendiaries. Visibility good, slight haze only. Some ground detail seen. One very large explosion seen on fire up to target prior to landing. Flare burst still over target after the 4th. Defenses were very slight and flak was intense. Great numbers of searchlights operating in area.	A-65B
24th/25th July	HALIFAX II JD-158	S/Ldr. G.A. Murray P/O W.C. Coleman Sgt. Wode, R.J. Sgt. Jennings, T. Sgt. Jackson, F. P/Sgt. Piddie, S.V.	Captain Navigator Bomb Aimer W/O V.A.G. P.T. Eng. 2nd Gunner Rear Gunner 2nd Pilot	22.18	04.10	Successful. Target HANNOVER with bomb load as per aircraft JD-656 above. Visibility good extensive ground haze and smoke. Target identified and bombed by seven T.I. One large column of smoke up to 17,000 feet seen south of the target. Also many fires. P.F.F. conditionally good. Ret. good.	A-65C
24th/25th July	HALIFAX II JD-257	P/O M.R. Lofley P/O G.A. Wright Sgt. Macdonald, A.E. Sgt. Smith, D.R. Sgt. Scott, H.L. Sgt. Cox, D.E. Sgt. de Mottet, W.	Captain Navigator Bomb Aimer W/O V.A.G. P.T. Eng. 2nd Gunner Rear Gunner	22.20	05.57	Successful. Target HANNOVER with bomb load as per aircraft JD-656 above. Visibility good. ACHEN AACHEN and HANNOVER seen. Target identified and bombed by T.I. surface. Large fires all over town and one large explosion at 01:17 hours which lasted for over 1 minute and lit up whole city. Flak intense. Windows dropped as instructed.	A-657
24th/25th July	HALIFAX II JD-659	P/O G.H. Hoad Sgt. Miller, G.E. Sgt. Brown, F.H. Sgt. Brown, J.F. Sgt. Brown, H. Sgt. Dally, J.V. Sgt. Selby, J.S.	Captain Navigator Bomb Aimer W/O V.A.G. P.T. Eng. 2nd Gunner Rear Gunner 2nd Pilot	22.15	05.11	Successful. Target HANNOVER with bomb load as above. Visibility good. Target identified and bombed by surface. Flare worked badly, though not affected by wind. Smoke up to 15,000 feet over target. Large concentrations of red fires and incendiaries seen. Also one big explosion at 01:57 hours. Smoke target area seemed like a rising, roaring inferno as aircraft left.	A-658
24th/25th July	HALIFAX II JD-371	P/O J.F. Brennan P/O G.H. Hoad Sgt. Gifford, T. Sgt. Gifford, T. Sgt. Pender, G.E. P/O R.E. Taylor	Captain Navigator Bomb Aimer W/O V.A.G. P.T. Eng. 2nd Gunner Rear Gunner	22.08	04.06	Successful. Target HANNOVER with bomb load as above. Visibility good. Whole city seemed to be covered with fire. One large column of black smoke up to 15,000 feet target clearly visible from a distance of 75 miles. Searchlights seemed to be concentrated to N, W and E. Only a few single lights on S. side. A concentrated attack.	A-659

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
24th/25th July	HALIFAX II JD.208	F/Lt. F.G. Woodon F/O P. Campbell F/Sgt. Owen, P.H. Sgt. MacLennan, M. Sgt. Lewis, G.V. Sgt. Poole, S. F/O R.J. Wagner F/O H.A. Hewitt	Captain Navigator Bomb Aimer W/O-A.G. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	22.21	04.13	Unsuccessful. Target HAMBURG with 1 x 2,000-lb. H.G., 48 x 30-lb., and 690 x 4-lb. incendiaries. Target identified and bombed by markers. Heavy smoke up to 19,000 ft. All P.E.E. markers were in position. A lot of searchlights round target but these seemed to be waving wildly and were ineffective. Flak was wild. Target covered by flares over a large area around A/B, and whole area covered by heavy smoke up to 19,000 feet.	A-660
24th/25th July	HALIFAX II DE.781	F/Sgt. Dubessoff, R. Sgt. Gough, E. Sgt. Davis, J. Sgt. Marshall, H. Sgt. West, R.A. Sgt. Wade, R. Sgt. Pilon, J.	Captain Navigator Bomb Aimer W/O-A.G. Flight Eng. 2nd Gunner Rear Gunner	22.10	04.09	Successful. Target HAMBURG with bomb load as above. Visibility very good apart from smoke or haze. Target identified by markers. P.E.E. concentration exceptionally good on target. Heavy flares and searchlights seen. A few scattered flares to N-W of target.	A-661
24th/25th July	HALIFAX II JD.444	Sgt. Redbeck, J. F/O G.F.M. Harvey Sgt. Ewry, R.H. Sgt. Brown, J.H. Sgt. McMillan, R.E. Sgt. Macdonald, J.J. Sgt. Doe, E.H. Sgt. Allan, W.H.	Captain Navigator Bomb Aimer W/O-A.G. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	22.06	04.03	Successful. Target HAMBURG with bomb load as above. Visibility good. Target identified by markers. Heavy flares seen, and smoke over target up to 20,000 feet.	A-662
24th/25th July	HALIFAX II JD.210	F/Lt. L.H. Gault F/O L.E. Angell F/O G.T. Graham F/Sgt. Marshall, F. Sgt. Martin, L.F. F/O R.S. Gray F/O H.F. Smith F/O D.H. Bellamy	Captain Navigator Bomb Aimer W/O-A.G. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	22.09	04.19	Successful. Target HAMBURG with bomb load as above. Target identified by markers. Large concentration of flares and incendiaries seen, with heavy clouds of smoke up to 12,000 feet. Flak was intense, and concentrations of searchlights to the south.	A-663
24th/25th July	HALIFAX VI DE.798	F/Sgt. Stewart, B. F/O R.H. Jones Sgt. Cleveland, V.A.F. Sgt. Ebbay, A. Sgt. Tunny, H.E. Sgt. Northcliffe, L. Sgt. Gordon, J.D.	Captain Navigator Bomb Aimer W/O-A.G. Flight Eng. 2nd Gunner Rear Gunner	22.03	04.00	Successful. Target HAMBURG with bomb load as above. Visibility good apart from haze. Target identified by markers. A few flares were seen blazing well all over the town. A great deal of black smoke up to 15,000 feet. Attack appeared to be well concentrated.	A-664
24th/25th July	HALIFAX II DE.689	Sgt. Douglas, G.H. F/O V.S. Hardy Sgt. May, W.E. Sgt. Norman, J.A. Sgt. Booth, R.A. Sgt. Child, F.G. Sgt. Barnes, V.H. Sgt. Rafterman, J.W.	Captain Navigator Bomb Aimer W/O-A.G. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	22.02	04.16	Successful. Target HAMBURG with bomb load as above. Visibility good. Target identified by markers. Target appeared to be well pruned. Black smoke up to 12,000 ft. New type of flak encountered which burst like a smoke ring and enlarged like one, then expanded into a lily-shaped affair in the target area.	A-665

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# OPERATIONS RECORD BOOK

APPENDIX 8A8

A.F. FORM 541

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By 40419 (R.C.A.F.) SQUADRON

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(9211) Wt. 200-25 60,000 540 I.S. 700  
(9212) Wt. 200-25 60,000 540 I.S. 700

FOR THE MONTH OF JULY 1943

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
25th/26th July	HALIFAX II JD-256	Sgt. Chapman, I. Sgt. Ross, W.H. Sgt. Phoenix, G.H. Sgt. Johnson, G.W. Sgt. Bennett, J. Sgt. Hill, I.H. Sgt. Porter, A.L. P/O Henderson, S.W.	Captain <i>POW</i> Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	22.17	-	This aircraft took off to attack ESSEN with 1 x 2,000-lb., 1 x 30-lb. and 630 x 4-lb. incendiaries. Nothing further was heard from it after take-off, and its failure to return is presumed to be due to enemy action.	A-666
25th/26th July	HALIFAX II JD-198	P/O G.A. Murray P/O H.K. Coleman Sgt. Wood, R.F. Sgt. Rawlings, P. Sgt. Jackson, S. Sgt. Roberts, P.F. P/O Potts, S.E.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	22.21	05.01	Successful. Target ESSEN with bomb load as above. Flame and smoke over target, which was identified by markers. Large numbers of fires were seen with black smoke billowing up to 17,000 feet. Bottom of rear turret hit by flak. Flak was in barrage form. Searchlights not very effective, partly due to cloud and smoke. P.P.F. markers on time and in position.	A-667
25th/26th July	HALIFAX II JD-257	P/O H.S. Loutlaw P/O G.A. Wright Sgt. MacLennan, A.S. Sgt. Smith, G.R. Sgt. Scott, W.K. Sgt. Cox, R.H. Sgt. McMillan, W.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	22.07	05.14	Successful. Target ESSEN with bomb load as above. Visibility not very good owing to smoke. Target identified by markers. P.P.F. well concentrated and fires were well alight, with a big cloud of smoke billowing up to 19,000-ft. One large explosion at 07.08 hours with flames up to 300-400 feet, and another at 07.09 hours. A concentrated attack.	A-668
25th/26th July	HALIFAX II JD-259	P/O H.H. Mason Sgt. Walker, G.E. Sgt. McEwen, J.A. Sgt. Norman, J.J. Sgt. Smith, G. Sgt. Thomson, B. Sgt. Daly, J.W. Sgt. Rubin, J.S.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	22.05	05.04	Successful. Target ESSEN with bomb load as above. Visibility clear. Target identified by markers. Results of bombing not observed. Target burning well when aircraft arrived, with column of black smoke up to 20,000-ft.	A-669
25th/26th July	HALIFAX II JD-204	P/O F.G. Wooden P/O F. Campbell P/Sgt. Owen, R.H. Sgt. Walsworth, M. Sgt. Swales, G.H. Sgt. Poole, S. P/O L.L. Brown P/O H.A. Hewitt	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	22.09	05.18	Successful. Target ESSEN with bomb load as above. Visibility good, no cloud. Target identified by markers. Fires were well concentrated around A/P and smoke was rising up to 22,000 feet. P.P.F. very good. Flak moderate. Raid appeared to be very successful.	A-670
25th/26th July	HALIFAX II DD-731	P/Sgt. Debensoff, S. Sgt. Grogan, E. Sgt. Davis, J. Sgt. Barnhill, H. Sgt. West, D.A. Sgt. Smith, L. Sgt. Pilon, J.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	22.11	05.44	Successful. Target ESSEN with bomb load as above. Very heavy smoke over target area. Bombed on markers. Solid concentration of fires around A/P extending north as far as the marshalling yards. Very heavy smoke up to 19,000 feet.	A-671

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
25th/26th July	HALIFAX II JD-334	F/Lt. D.J. Coorevan W/O MacKenzie, A.S. P/O L.C. Weibley Sgt. D'Agostino, H. Sgt. Holdsworth, G.W. Sgt. Venzler, J.T. P/O D.E. Laxton	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	22.14	05-09	Successful. Target ESEW with 1 x 2,000-lb., 16 x 30-lb. and 630 x 4-lb. incendiaries. Section busy. Target identified by markers. Maxon worked well. Large concentration of fires seen in target area with thick smoke up to 18,000 feet. Glow of fires and bursts of bombs visible 100 miles away.	A-672
25th/26th July	HALIFAX II JD-714	Sgt. Mcintosh, J. P/O G.J.M. Harvey Sgt. Kenny, R.H. Sgt. Rhonan, A.D. Sgt. Mulholland, E.E. Sgt. Macdonald, J.J. Sgt. Dow, E.R. P/O D.D. Liddlow	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	22.05	05-26	Successful. Target ESEW with bomb load as above. Visibility good apart from slight cloud and smoke. Target identified by markers. Concentration of angry fires all over target. Smoke rising to 18,000 feet.	A-673
25th/26th July	HALIFAX II JD-570	P/Sgt. Stewart, R. P/O G.R. Jones Sgt. Cleveland, V. Sgt. Smith, E. Sgt. Perry, H.E. Sgt. Northcote, L. Sgt. Garland, A.D.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	22.01	02-59	Successful. Target ESEW with bomb load as above. Visibility fair. Very little cloud but much smoke. Run-up was made between two lines of cases of 30-40 searchlights. Very heavy barrage. Just after leaving the French Coast an FW-190 was shot down by the second gunner.	A-674
25th/26th July	HALIFAX II JD-270	P/Lt. A.H. Gaudle P/O L.E. Anglin P/O G.T. Graham P/Sgt. Mitchell, F. Sgt. Martin, L.V. P/O H.G. Gray P/O H.P. Smith Sgt. Allan, F.B.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	22.19	05-32	Successful. Target ESEW with bomb load as above. Visibility good. Target identified by markers. No bursts seen but bombs seem to fall between markers. Six concentrated fires seen with smoke up to 20,000 feet. One tremendous column of smoke on turning point of target. Heavy flak in barrage zone. Fires were visible from Dutch Coast on return journey.	A-675
27th/28th July	HALIFAX II JD-158	S/Ldr. G.A. McHardy P/O W.C. Coleman P/O S.H. Boothman Sgt. Woods, R.V. Sgt. Bucking, B. Sgt. Robinson, F. Sgt. Peterson, F.W.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	22.25	05-49	Successful. Target HAMBURG with 1 x 1,000-lb. ED0 25, 16 x 30-lb. and 630 x 4-lb. incendiaries. Target identified by markers. Plenty of fires seen. Many searchlights over target area but ineffective. Appeared to be a successful attack.	A-676
27th/28th July	HALIFAX II JD-969	P/O D.D. Liddlow P/O W.R. Hampel P/O H.V. Kemp Sgt. Drake, B. Sgt. Ashton, J.H.S. Sgt. Miller, A.S. Sgt. Richard, F.G.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	22.21	05-07	Successful. Target HAMBURG with bomb load as per aircraft JD-158 immediately above. Target identified by markers. Fires well concentrated but only visible from a distance. General impression was of a volume of burning fire and smoke with smoke scattered around the base.	A-677

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# OPERATIONS RECORD BOOK

APPENDIX "A"

A.F. FORM 541

DETAIL OF WORK CARRIED OUT

By No. 419 (B.C.A.F.) SQUADRON

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(9211) Wt. 985-10 62,000 517 T.S. 700  
(7004-2211) Wt. 1031-1017 1024 1010 T.S. 700

FOR THE MONTH OF JUNE 1953

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
27th/28th July	HALIFAX II JD-794	W/Sgt. Doubessoff, T. Sgt. Gagnett, R. Sgt. Davis, S. Sgt. Marchall, H. Sgt. West, R.A. Sgt. Hurst, L. Sgt. Ellis, S.	Captain Navigator Bomb Aimer W/Ops. S. Flight Eng. 2nd Gunner Rear Gunner	22.11	05.24	Successful. Target HAMBURG with 1 x 1,000-lb. 200 x 16 x 30-lb. and 630 x 4-lb. incendiaries. No cloud over target but smoke up to 20,000 feet. Bombed in centre of yellow markers. Numerous fires seen.	A-670
27th/28th July	HALIFAX II JD-714	Sgt. McArthur, J. W/O G.J.H. Harvey Sgt. Kenny, R.H. Sgt. Brown, A.H. Sgt. McNeiland, R.S. Sgt. Macdonald, J.J. Sgt. Day, R.S. W/O H.R.F. Ryan	Captain Navigator Bomb Aimer W/Ops. S. Flight Eng. 2nd Gunner Rear Gunner Tail Pilot	22.00	04.01	Successful. Target HAMBURG with bomb load as above. Visibility high. Target identified by markers. Largest fires appeared to be in the west. A successful attack.	A-679
27th/28th July	HALIFAX II JD-325	Sgt. Selby, J.A. W/O J. Shields Sgt. Mahony, J.H. Sgt. Harrow, J.V. Sgt. Russell, R.E. Sgt. Murray, D.J. Sgt. Macdonald, J.J.	Captain Navigator Bomb Aimer W/Ops. S. Flight Eng. 2nd Gunner Rear Gunner	22.07	04.54	Successful. Target HAMBURG with bomb load as above. Visibility clear. Target identified by markers. Fires were very concentrated. Light flak barrage and numerous searchlights encountered.	A-680
27th/28th July	HALIFAX II JD-257	W/A. E.C. Woodin W/O P. Campbell Sgt. Ann, E.H. Sgt. Sigleworth, M. Sgt. Bruce, G.W. Sgt. Peole, S. W/O R.A. Hanson W/O W.H. Hamilton	Captain Navigator Bomb Aimer W/Ops. S. Flight Eng. 2nd Gunner Rear Gunner Tail Pilot	22.23	05.51	Successful. Target HAMBURG with 1 x 2,000-lb., 16 x 30-lb. and 630 x 4-lb. incendiaries. Heavy clouds and volume of smoke rising to 19,000 feet. Very large fires were seen burning all over target area. Heavy flak concentration being to the west.	A-681
27th/28th July	HALIFAX II JD-331	W/A. D.J. Colman W/O Macdonald, J.S. W/O E.G. Whaley Sgt. V. Young, R. Sgt. Allen, J.G. Sgt. Foster, J.T. W/O D.E. Leslie	Captain Navigator Bomb Aimer W/Ops. S. Flight Eng. 2nd Gunner Rear Gunner	22.09	04.24	Successful. Target HAMBURG with bomb load as for aircraft JD-257 above. Bombed in the centre of concentration of fires. Nearly all windows dropped. No effect on houses. Captain carried out bombing with port outer engine in. Concentrated attack with 1000 smoke up to 25,000 feet.	A-682
27th/28th July	HALIFAX II JD-143	W/O W.H. Fleming W/O A.L. Farrell Sgt. Brown, G.H. W/O A.B. Smith W/O R.H. Smith Sgt. Brown, H.J. Sgt. Clark, G.F. W/Opt. A.E. Ross	Captain Navigator Bomb Aimer W/Ops. S. Flight Eng. 2nd Gunner Rear Gunner Tail Pilot	21.58	04.31	Successful. Target HAMBURG with bomb load as for aircraft JD-257 above. Visibility high. Target identified by markers. A very heavy attack. Fires visible for 130 miles. Considerable risk of collision with other aircraft over the target. Aircraft had four near misses.	A-683

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
27th/28th July	HALIFAX II JD-240	P/O A.H. Qualls P/O R.H. Applehill P/O G.Z. Gibson P/Sgt. Mitchell, P. Sgt. Martin, L.F. P/O R.G. Gray P/O R.F. Smith P/O Westland	Captain Navigator Bomb Aimer V/Op. A.G. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	22.02	02.32	Unsuccessful. Target HAMBURG with 1 x 2,000-lb., 16 x 30-lb. and 650 x 4-lb. incendiaries. Aircraft reached a point 8 miles from position A on track 54 31'N 05 45'E at 00:37 hours and 19,000 feet; then turned for base with A.B.I. fuel up. Bomb load jettisoned alive.	A-684
27th/28th July	HALIFAX II DE-789	P/Sgt. Stewart, R. P/O R.H. James Sgt. Cleveland, V.A.F. Sgt. Ashley, A. Sgt. Toney, R.H. Sgt. Northcliffe, L. Sgt. Garland, A.D.	Captain Navigator Bomb Aimer V/Op. A.G. Flight Eng. 2nd Gunner Rear Gunner	21.56	04.18	Successful. Target HAMBURG with bomb load as above. Visibility heavy. Target identified by markers. On arrival the whole of HAMBURG seemed to be in flames. Flak was very heavy and aircraft was hit, one engine catching fire. Incendiaries were scattered.	A-685
27th/28th July	HALIFAX II JD-659	P/O R.H. Bond Sgt. Walker, G.H. Sgt. McCowan, P.G. Sgt. Weston, J.J. Sgt. Hyth, G. Sgt. Thornton, R. Sgt. Kelly, J.W.	Captain Navigator Bomb Aimer V/Op. A.G. Flight Eng. 2nd Gunner Rear Gunner	22.05	03.46	Successful. Target HAMBURG with 2 x 1,000-lb.MI, 16 x 30-lb., and 650 x 4-lb. incendiaries. Target identified by markers. About 1/10th cloud over the whole of the city. City was a mass of flames north of the docks. Difficult to judge but there did not appear to be many fires south of the river.	A-686
28th/28th July	HALIFAX II JD-343	P/O R.A. Hewitt P/O F.E. Judah P/O H.K. Lee Sgt. Galala, J. Sgt. Hennessey, J. Sgt. Griffiths, W.F. Sgt. Broadhurst, J.W.	Captain Navigator Bomb Aimer V/Op. A.G. Flight Eng. 2nd Gunner Rear Gunner	22.46	04.05	Successful. Target HAMBURG with bomb load as for aircraft JD-659 above. Visibility good. Target identified by markers. Some bursts seen. Fires were well concentrated round the P.P.P. markers. Flak very intense.	A-687
27th/28th July	HALIFAX II JD-270	Sgt. Allen, F.H. P/O J.R. Harrie P/O R.W. Burke Sgt. Slaney, A.R. Sgt. Rutball, R. Sgt. Hildebrandt, J.H. Sgt. Hudson, R.Z.	Captain Navigator Bomb Aimer V/Op. A.G. Flight Eng. 2nd Gunner Rear Gunner	22.18	05.18	Successful. Target HAMBURG with bomb load as for aircraft JD-659 above. Visibility clear over target, which was identified by fires and markers. Heavy concentrations of fires in target area, particularly in the west. Whole city seemed to be a sea of flames. Opposition weak.	A-688
27th/28th July	HALIFAX II DE-689	Sgt. Battarson, J.H. Sgt. Jackson, G.F. Sgt. Jerome, G.F. Sgt. Lloyd, R.A. Sgt. Dixon, A. Sgt. Powers, L. Sgt. Howie, R.U.	Captain Navigator Bomb Aimer V/Op. A.G. Flight Eng. 2nd Gunner Rear Gunner	21.24	05.15	Successful. Target HAMBURG with bomb load as for aircraft JD-659 above. Visibility clear. Target identified by fires and markers. Target appeared to be completely covered with fires. Opposition weak.	A-689

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# OPERATIONS RECORD BOOK

APPENDIX 2A

A.F.  
FORM 541.

DETAIL OF WORK CARRIED OUT

By No. 419 (R.C.A.F.) SQUADRON

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(1941) WL 925-25 FORM 541 T.S. 700  
(1934-35) WL 925-25 FORM 541 T.S. 700

FOR THE MONTH OF JUNE 1941

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
29th/30th July	HALIFAX II JD.158	S/Ldr. G.A. Hobbarty P/O E.C. Coleman P/O S.H. Bouchamp Sgt. Woods, R.E. Sgt. Redman, T. Sgt. Jackson, F. Sgt. Fetherlin, F.W.	Captain Navigator Bomb Aimer V/Op A.G. Flight Eng. 2nd Gunner Rear Gunner	22.10	03.41	Successful. Target HAMBURG with 4 x 2,000-lb., 40 x 50-lb. and 630 x 4-lb. incendiaries. 3-5/40ths cloud. Bombed on markers. Huge pall of smoke over S-W part of HAMBURG, rising to 17,000 feet. This was the thickest seen from well past the FRIEDLAND, and glow of fires from target area were visible for 150 miles.	A-690
29th/30th July	HALIFAX II JD.900	P/O W.H. Hamilton P/O E.L. Riley P/O J.P. Dale Sgt. Gray, E.A. Sgt. Wilson, F. Sgt. Griffin, E. Sgt. Bartolucci, A.	Captain Navigator Bomb Aimer V/Op A.G. Flight Eng. 2nd Gunner Rear Gunner	22.06	04.27	Successful. Target HAMBURG with 4 x 2,000-lb. 200 025, 4 x 1,000-lb. H.L.B., 40 x 50-lb. and 630 x 4-lb. incendiaries. Visibility clear with no cloud, but smoky. Bombed on markers but no results observed. Fires were concentrated round S-W. <u>Failed to be more illuminating and fiercer than on the previous raid, and fires were not covering such a large area.</u>	A-691
29th/30th July	HALIFAX II JD.257	P/O H.R.F. Spivey P/O R.A. Macdonald P/O E.D. Swanton Sgt. Brock, W.E. Sgt. Milton, W.E. Sgt. Greenhall, W.F. Sgt. Duncan, H.J.	Captain Navigator Bomb Aimer V/Op A.G. Flight Eng. 2nd Gunner Rear Gunner	22.49	03.52	Successful. Target HAMBURG with bomb load as for aircraft JD.900 above. Visibility good over target though 5/40ths cloud on route. Bombed on markers but no results observed. One bluish-green flash seen in centre of fires. <u>Attack appeared to be very accurate though not quite as concentrated as on the previous attack.</u>	A-692
29th/30th July	HALIFAX II JD.375	P/O W.H. Kettle P/O R.S. Hald P/O A.G. Vinchill Sgt. Coburn, G.A. Sgt. Kirhan, R.E. Sgt. Hunt, G.A. P/O R.J. Wagner	Captain Navigator Bomb Aimer V/Op A.G. Flight Eng. 2nd Gunner 2nd Pilot	22.05	04.18	Successful. Target HAMBURG with bomb load as for aircraft JD.900 above. Visibility good. Bombed on markers. Fires could be seen from a distance of 45 miles when approaching target. <u>Attack was well concentrated over a very large area with heavy smoke up to 16,000 feet. Incendiaries seemed to be successful. The main fire and searchlights were widely ineffective.</u>	A-693
29th/30th July	HALIFAX II JD.277	P/O G.H. Rogit Sgt. Walker, G.E. Sgt. Johnson, F.G. Sgt. Hewson, J.J. Sgt. Ryan, R. Sgt. Thomson, B. Sgt. Kelly, J.W.	Captain Navigator Bomb Aimer V/Op A.G. Flight Eng. 2nd Gunner Rear Gunner	21.53	04.28	Successful. Target HAMBURG with bomb load as for aircraft JD.158 above. Bombed on markers. Many large scattered fires seen, with large column of thick black smoke south of target. Large fires also seen to the N-W. <u>Failed at GERT.</u>	A-694
29th/30th July	HALIFAX II JD.204	P/O S.A. Keatland P/O J.R. Hall P/O J.V. Dobson Sgt. Dear, S.V. Sgt. Davis, S.V. P/Ot. Hought, B. Sgt. Alderson, W.G.	Captain Navigator Bomb Aimer V/Op A.G. Flight Eng. 2nd Gunner Rear Gunner	21.56	04.28	Successful. Target HAMBURG with bomb load as for aircraft JD.900 above. No cloud over target but smoke not seen. Bombed on markers which were very well placed. Target well alight and distance appeared to be correct. <u>Smoke rising to 15,000 feet. A successful attack. Landed at GERT.</u>	A-695

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
29th/30th July	HALIFAX II DE-689	Sgt. Battersby, J.M. Sgt. Taylor, G.F. Sgt. Stevens, G.F. Sgt. Lloyd, H.A. Sgt. Brown, A. Sgt. Powers, I. Sgt. Morris, R.H.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	21-58	01-04	Successful. Target HAMBURG with 1 x 1,000-lb. TDO 025, 1 x 1,000-lb. M.D., 48 x 50-lb. and 630 x 4-lb. incendiaries. No cloud but haze from coast in to target area. Bombed on markers. Fires not so concentrated as on previous fire attacks. One blinding flash seen immedi- ately after bombing which lit up the whole surroundings.	A-696
29th/30th July	HALIFAX II DE-798	F/Sgt. Stewart, R. F/O E.H. Jones Sgt. Cleveland, V.A.F. Sgt. Bailey, A. Sgt. Terry, R.H. Sgt. Northcliffe, L. Sgt. Garland, A.D.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	22-00	01-14	Successful. Target HAMBURG with bomb load as above. No cloud but much haze and smoke from target. Bombed on markers. Attack not so heavy as previous ones. Lots of scattered fires seen and one large explosion in centre of target.	A-697
29th/30th July	HALIFAX II JD-929	F/O H.A. Smith F/O R.S. Judah F/O H.L. Lee Sgt. Holton, J.J. Sgt. Woodman, J. Sgt. Griffiths, V.P. Sgt. Broadhurst, J.W.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	22-11	01-11	Successful. Target HAMBURG with bomb load as above. Visibility good apart from haze and smoke. A good con- centration of fires in target area. Much smoke from S-E portion of town rising to 15,000 feet. Glow of fires plainly visible from 110 miles away. P.P.P. very well concentrated.	A-698
29th/30th July	HALIFAX II JD-325	Sgt. Coulson, G.H. F/O W.E. Hendry Sgt. Hay, W.E. Sgt. Rossin, J.J. Sgt. Booth, R.A. Sgt. O'Hall, F.G. Sgt. Damon, W.H.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	21-47	01-43	Successful. Target HAMBURG with bomb load as above. Bombed on markers. Target was burning well when aircraft arrived. Some fires scattered but main fires were well centred and concentrated. Columns of smoke up to 15,000 feet. Seemed to be more thick than on the previous raids but searchlights were ineffective.	A-699
29th/30th July	HALIFAX II JD-114	Sgt. Holton, J.J. F/O G.H.H. Harvey Sgt. Henry, R.H. Sgt. Rossin, A.D. Sgt. Holtham, R.G. Sgt. Macdonald, J.J. Sgt. Dow, R.H.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	21-32	01-3	Successful. Target HAMBURG with bomb load as above. Visibility good apart from haze and smoke. Fires in target area very visible 120 miles away. A big fire on east side of target and 2 on west side. Large numbers of smaller fires all over target area. One big column of smoke up to 16,000 feet.	A-700
29th/30th July	HALIFAX II JD-270	Sgt. Allen, F.H. F/O R.H. Harris F/O R.W. Bandy Sgt. Slaney, A.R. Sgt. Mitchell, H. Sgt. Whitlock, J.H. Sgt. Balcan, R.F.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	21-49	02-3	Successful. Target HAMBURG with bomb load as above. Returned early with hard under engine 1/2. Hardest point reached 34, 37° N or 55° E. All bombs detonated safe.	A-701

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ORIGINAL RECORD BOOK

# OPERATIONS RECORD BOOK

APPENDIX "A"

A.F. FORM 541.

DETAIL OF WORK CARRIED OUT

By 2nd 49 (R.G.A.F.) SQUADRON

**SECRET**


Page No. 6

(1941) W.P. 945-25 64000 3141 T.S. 700  
(1940-41) W.P. 945-25 64000 3141 T.S. 700

FOR THE MONTH OF JULY 1943

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
29th/30th July	HALIFAX II DN.731	P/Sgt. Debnassoff, F. Sgt. Sargent, F. Sgt. Davis, J. Sgt. Newhall, R. Sgt. West, D.A. Sgt. Marks, E. Sgt. Pilon, J.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. Tail Gunner Rear Gunner	22.05	03.54	Successful. Target HAMBURG with 1 x 1,000-lb. HD 025, 1 x 1,000-lb. HD 028, 2 x 50-lb. and 630 x 4-lb. incendiaries. Visibility good apart from haze and smoke. Concentration of fires under smoke, which was rising to 15,000 feet. Defenses over target area not very intense.	A-702
29th/30th July	HALIFAX II JD.163	Sgt. Selge, J. P/O J. Hillis Sgt. Mahony, J.M. Sgt. Murray, A.V. Sgt. Macmill, R.E. Sgt. Mahony, R.E. Sgt. MacGonick, J.J.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. Tail Gunner Rear Gunner	21.55	04.55	Successful. Target HAMBURG with bomb load as above. Haze and smoke over target. Bombs on markers. Attack seemed to be better concentrated than the previous one. Fires were more solid over entire area and extending to W-E. Searchlights and flak had increased but were still ineffective. Smoke rising to 15,000 feet. Loaded at 0100.	A-703
29th/30th July	HALIFAX II JD.361	P/O D.D. Laidlaw P/O R.E. Dampel Sgt. Drake, E. Sgt. Ashton, F.W.E. Sgt. Miller, A.E. Sgt. Beckard, J.G.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. Tail Gunner Rear Gunner	22.03	04.58	Successful. Target HAMBURG with bomb load as above. Visibility clear over target except for haze and smoke. Bombs on W side of green S.L. using to taking evasive action to avoid enemy fighters. A concentrated attack but did not appear to be quite as successful as the previous two raids. W.E. seemed to be accurately placed. Loaded at 0100.	A-704
29th/30th July	HALIFAX II JD.218	P/Lt. A.W. Qualls P/O L.E. Argonell P/O G.T. Graham P/Sgt. Mitchell, F. Sgt. Martin, L.F. P/O R.G. Gray P/O H.F. Smith	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. Tail Gunner Rear Gunner	21.50	05.09	Successful. Target HAMBURG with 1 x 2,000-lb. HD, 1 x 50-lb. and 630 x 4-lb. incendiaries. No cloud but visibility obscured by haze and smoke. Target identified and bombed by markers. Large concentration of fires well under way. Centre of fires obscured by large cloud of smoke. Defenses particularly searchlights considerably increased since the last attack. Loaded at 0100.	A-705
30th/31st July	HALIFAX II JD.257	P/O H.E.P. Dyer P/O R.A. MacGonick P/O E.B. Gammerton Sgt. Brooks, V.E. Sgt. Selge, J. Sgt. Goodhall, V.F. Sgt. Dorman, E.J.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. Tail Gunner Rear Gunner	21.56	03.32	Successful. Target HAMBURG with 2 x 1,000-lb. HD, 1 x 50-lb. and 630 x 4-lb. incendiaries. Visibility good. No cloud but very thick. Fires were concentrated in one place and the glow was visible from the enemy coast. Very little light flak but some heavy flak and a mass of searchlights on both sides of the river.	A-706
30th/31st July	HALIFAX II JD.163	Sgt. Selge, J. P/O J. Hillis Sgt. Mahony, J.M. Sgt. Murray, A.V. Sgt. Macmill, R.E. Sgt. Mahony, R.E. Sgt. MacGonick, J.J.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. Tail Gunner Rear Gunner	21.49	03.43	Successful. Target HAMBURG with bomb load as for aircraft JD.257 immediately above. Visibility good. T.L. markers clearly seen and well concentrated. Fires appeared to be well concentrated.	A-707

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
30th/31st July	HALIFAX II JB 929	F/O E.A. Hewitt F/O F.T. Pugh F/O E.A. Lee Sgt. Smith, J.B. Sgt. Morrison, H. Sgt. Griffiths, W.P. Sgt. Broadhurst, J.V.	Captain Navigator Bomb Aimer W/O Flight Eng. 2nd Gunner Rear Gunner	21-53	03-35	Successful. Target BOMBED with 1 x 1,000-lb. MG, 1 x 1,000-lb. HD, 18 x 30-lb. and 630 x 4-lb. incendiaries. Visibility clear. No cloud or haze. Bombed on S.L. markers. Fires were well concentrated slightly north of S.P.P. markers. Intense searchlight activity, particularly between COLOMBS and DRESDEN.	A-708
30th/31st July	Halifax II JB 965	Sgt. Rutherford, J.H. Sgt. Parson, G.P. Sgt. Brown, G.J. Sgt. Lloyd, D.A. Sgt. Dixon, A. Sgt. Powers, L. Sgt. Morrison, H.	Captain Navigator W/O Flight Eng. W/O 2nd Gunner Rear Gunner	21-47	03-57	Successful. Target BOMBED with bomb load as above. Visibility good. No cloud. Haze visible. Bombed on markers. Fires were concentrated in a small area with plenty of smoke. Very little flak but a blast of orange-appearing searchlights between COLOMBS and DRESDEN.	A-709
30th/31st July	HALIFAX II JB 210	Sgt. Allen, P.H. F/O J.R. Harris F/O E.W. Bush Sgt. Slaney, A.R. Sgt. Mitchell, H. Sgt. Kilpatrick, F.H. Sgt. Nelson, H.J.	Captain Navigator Bomb Aimer W/O Flight Eng. 2nd Gunner Rear Gunner	21-52	04-00	Successful. Target BOMBED with 2 x 1,000-lb. MG, 18 x 30-lb. and 630 x 4-lb. incendiaries. Visibility good. Target identified and bombed by markers. Well concentrated fires and several bomb explosions seen. 1 x 1,000-lb. bomb hung up and brought back.	A-710
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