

COPY

OPERATIONS RECORD BOOK

APPENDIX A

A.F.
FORM 561.

DETAIL OF WORK CARRIED OUT

By No. 619 (R.C.A.F.) SQUADRON

SECRET

PAGE No. 5

(1942) Wt. 945-55 60,000 lbs T.A. 700

FOR THE MONTH OF FEBRUARY 1945.

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
2nd Feb.	HALIFAX II DT.629	F/O J.D. Snider Sgt Pope, R.B. Sgt Bruce, A.H.A. F/S Pretty, H.C. Sgt Vanner, J.O. Sgt Douglas, C. F/S Goodridge, W.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	16.58	23.50	Mining operation. Aircraft carried 2 x 1,500-lb. mines. 10/10ths cloud at 5,000 feet. Unable to obtain pin-point on LAESO. Mines brought back.	
2nd Feb.	HALIFAX II DT.629	Sgt Bell, R.A.H. F/S White, H.L. F/S Williston, R. Sgt Arvesen, J.D. Sgt Taylor, W.B. Sgt Adams, J.F. F/S Aitken, G.B.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	16.41	23.40	Successful. Mining at LAESO with 2 x 1,500-lb. mines. Although 10/10ths cloud conditions and heavy rain and snow-storms make pin-pointing difficult, aircraft came down to 500 feet and successfully pin-pointed LAESO. Parachutes were seen opening.	
2nd Feb.	HALIFAX II DT.648	Sgt Gray, M.F. Sgt Green, A.S. F/O M.J. McNeil Sgt Low, C.H. Sgt Wilby, G. Sgt Braniff, M.S. Sgt Hancock, C.O. F/S Harling, R.	Pilot 2nd Pilot Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Navigator Rear Gunner	16.40	23.31	Unsuccessful. Target:- Mining at LAESO with 2 x 1,500-lb. mines. Heavy rain and 10/10ths cloud made pin-pointing impossible. Mines brought back.	
2nd Feb.	HALIFAX II DT.669	F/O P.G. Woodson F/O P. Campbell F/S Keen, S. Sgt Wiglesworth, M. Sgt Hooper, J. Sgt Poole, S. F/S Goring, C.A.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M/U Gunner Rear Gunner	16.48	23.09	Successful. Mining with 2 x 1,500-lb. mines. 10/10ths cloud and snowstorms. Aircraft came down from 2,000 ft. to 800 ft., but unable to obtain pinpoint. Parachutes not seen to open.	/
2nd Feb.	HALIFAX II DT.641	F/O M. McLaughlin Sgt Jensen, M.G. P/O L.R. Holmes F/S Saunders, B.V. Sgt Liddell, R.H. Sgt Dutton, A.H. Sgt Austin, R.S. F/S Howard, T.V.	Pilot 2nd Pilot Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	16.57	23.20	Unsuccessful. Target:- Mining with 2 x 1,500-lb. mines. 8/10ths to 10/10ths cloud at 5,000 feet encountered over DENMARK. Raining continually. Unable to pin-point DENMARK or ANHOLT ISLAND. Ground not visible through breaks. Mines brought back.	
2nd - 3rd Feb.	HALIFAX II W.7817	Sgt Bakewell, L. F/S Somers, D.D. F/S Marsden, J.S. Sgt Bennett, J.A. Sgt Turner, A.G. Sgt Mills, J.A. F/S Couper, J.R.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	16.42	00.17	Successful. Target:- Mining with 2 x 1,500-lb. mines. 10/10ths cloud. Unable to pin-point ANHOLT. Worked on E.T.A. Parachutes not seen to open.	

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DATE 1945	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
3rd - 4th Feb.	HALIFAX II W.7817	Sgt Maddock, J.T. P/L A.L. Farnell P/S Kson, S. P/S McArthur, E.M. Sgt Gocher, A.W. Sgt Peacock, F. P/S Goring, C.A. Sgt Harrison, K.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner 2nd PILOT	18.42	01.01	Successful. Target HAMBURG with 2 x 1,000-lb. G.P. and 1,170 x 4-lb. incendiaries. Visibility very poor 18-19,000 feet. P.F.F. Flares seen plainly. Bombs seen to burst but position not identified. Many small white fires seen.	
3rd Feb.	HALIFAX II DT.639	Sgt Jackson, T.R. P/S Carlson, J.K. P/S Fry, J.R. Sgt Grandell, T.M. Sgt Sebastian, C.J. Sgt Jury, E. P/S Storts, H.C.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.56	21.52	Unsuccessful. Target HAMBURG with 2 x 1,000-lb. G.P. and 1,170 x 4-lb. incendiaries. 10/10ths cloud up to 19,000 feet. Three guns in front turret and one in rear turret found to be U/S so Captain decided to return to base. Bombs jettisoned safe at 20.06 hrs. and 18,000 feet.	
3rd Feb.	HALIFAX II DT.617	Sgt Heinks, R.F. Sgt Miloy, S.F. P/S Douglas, S. Sgt Tompkins, C. Sgt Hanson, H. Sgt Morrison, S. P/S Dell, C.H.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.59	21.25	Unsuccessful. Target HAMBURG with 2 x 1,000-lb. G.P. and 1,170 x 4-lb. incendiaries. Aircraft developed engine trouble and one wing bomb door would not close. Bombs jettisoned safe at 19.22 hours. Aircraft returned to base.	2
3rd Feb.	HALIFAX II DT.616	P/O G.R. Porter Sgt Riddinger, A.F. P/O G.J. Swenson Sgt Lantignie, G.J. Sgt Bishop, M.W. Sgt London, D. Sgt Taylor, A.W. P/O L.F. Ainsworth	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner 2nd Pilot	18.50	22.58	Unsuccessful. Target HAMBURG with 2 x 1,000-lb. G.P. and 1,170 x 4-lb. incendiaries. Three attempts were made to get above cloud at 17,000, 19,000 and 22,000 feet, but unable to clear. Bombs jettisoned safe at 22.00 hrs. at 7,000 - 8,000 feet.	
3rd - 4th Feb.	HALIFAX II DT.548	Sgt Gray, M.F. P/O W.J. McNeill P/S Hancock, C.O. Sgt Low, G.H. Sgt Wilby, G. Sgt Braniff, M.S. P/S Harlink, R.	Captain Bomb Aimer Navigator W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.41	00.41	Successful. Target HAMBURG with 2 x 1,000-lb. G.P. and 1,170 x 4-lb. incendiaries. Target not visible. 10/10ths cloud with cloud base 2,000 - 3,000 feet, target well identified by P.F.F. markers. Hydraulics damaged by heavy flak.	
3rd Feb.	HALIFAX II DT.689	P/O M.M. Fleming P/O C.H. Parker Sgt Holmes, G.D. P/O A.P. Smith Sgt Hall, D.G. Sgt Clarke, G.F.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. Rear Gunner	18.25	22.04	Unsuccessful. Target HAMBURG with 2 x 1,000-lb. G.P. 1,170 x 4-lb. incendiaries. 10/10ths cloud at 22,500 feet returned early as height caused controls to freeze, making aircraft sluggish. Bombs jettisoned live.	

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OPERATIONS RECORD BOOK

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By No. 619 (R.C.A.F.) SQUADRON

SECRET

PAGE No. 6

(1952) Wt. 945-55 62000 Size T.S. 700

FOR THE MONTH OF FEBRUARY 19 48

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
3rd Feb.	HALIFAX II DS.285	F/S Bell, R.A.H. F/S White, W.L. F/S Williston, R.O. Sgt Arsenau, J.D. Sgt Taylor, W.B. Sgt Graham, J.F. F/S Aitken, G.E.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.37	21.34	Unsuccessful. Target HAMBURG with 2 x 1,000-lb. G.P. and 1,170 x 4-lb. incendiaries. Very bad weather. 10/10ths cloud at 2,000 feet. Returned as intercomms. U/S all the way. Bombs jettisoned safe at 18.45 hours at 3,000 feet.	
3rd - 4th Feb.	HALIFAX II DT.518	S/L D.W.S. Clark Sgt Williams, R.T. F/O I.S. Duncan Sgt Lee, V. Sgt Jackson, F. Sgt Thomson, J.W. F/S Brunet, J.A.L.	Captain Navigator Bomb Aimer Flight Eng. W/Op.A.G. M-U Gunner Rear Gunner	18.32	00.51	Successful. Target HAMBURG with 2 x 1,000-lb. G.P. and 1,170 x 4-lb. incendiaries. 10/10ths cloud with tops 10,000 - 12,000 feet. No results observed.	
3rd Feb.	HALIFAX II DT.650	Sgt Mackenzie, J.D. Sgt Garnett, W.N. Sgt Marquand, R.H. Sgt Hill, R.H. Sgt Duthie, W. Sgt Goumet, L.A. F/S Milton, G.H.	Captain Navigator Bomb Aimer - POW Flight Eng. W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner - POW	18.54	-	Aircraft set out to attack HAMBURG with 2 x 1,000-lb. G.P. and 1,170 x 4-lb. incendiaries. Nothing was heard from the aircraft after take-off and its failure to return must be assumed to be due to enemy action.	
3rd Feb.	HALIFAX II DT.829	F/O M. McLaughlin F/O L.H. Holmes F/S Saunders, R.V. Sgt Liddell, R.H. Sgt Dutton, A.H. Sgt Austin, R.H. Sgt Wells, J.J.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.29	21.57	Unsuccessful. Target HAMBURG with 2 x 1,000-lb. G.P. and 1,170 x 4-lb. incendiaries. Very bad weather. Aircraft could not get over high clouds at 16,500 feet. Full load jettisoned safe at 16,000 feet at 19.58 hours.	2
3rd - 4th Feb.	HALIFAX II DT.669	F/O F.G. Weeden F/O F. Campbell Sgt Grant, J.W. Sgt Sigalesmith, M. Sgt Hooper, J. F/L R.L. Keegan Sgt Poole, S.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.31	00.51	Successful. Target HAMBURG with 2 x 1,000-lb. G.P. and 1,170 x 4-lb. incendiaries. Identified P.F.F. red and green flares. Bombed on green flares. No ground detail visible. No results seen. Red glow seen through clouds spread three or four miles.	
4th - 5th Feb.	HALIFAX II DS.672	Sgt Jackson, T.E. F/S Carlton, J.M. F/S Fry, J.E. Sgt Crandall, T.M. Sgt Sebastian, G.J. Sgt Jury, E. S/S Storts, H.C.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	17.47	05.28	Successful. Target TURIN with 2 x 1,000-lb. G.P. and 6 S.B.C. Visibility good through cloud break. Bombs dropped one mile north west of aiming point. Heavy flak, very inaccurate. Dummy fires seen two miles north-west of TURIN. Two big explosions seen as aircraft was leaving target at 16,000 feet and 20 miles away. Fuel shortage due to being off course. Landed at HERBY.	3

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DATE 1945	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
4th - 5th Feb.	HALIFAX II DT.654	Sgt Bakewell, L. F/S Bacon, D.D. F/S Marvel, G.E. Sgt Bennett, J.A. Sgt Turner, A.C. F/S Dell, G.H. F/S Couper, J.E.	Captain Navigator Bomb Aimer W/Op. A.G. Flight Eng. M-U Gunner Rear Gunner	17.46	00.26	Unsuccessful. Target TURIN with 3 x 1,000-lb. G.P. and 5 x 4-lb. incendiaries. Glycol leak in one engine. Bombs jettisoned safe over FRANCE to lighten load. On return two engines were U/S and aircraft landed at MIDWAY HALLIF.	
4th Feb.	HALIFAX II DT.648	F/O J.D. Snider Sgt Pope, E.B. Sgt Bruce, A.W.A. F/S Pretty, H.C. Sgt Johnson, J.B. Sgt Austin, R.E. F/S Goodridge, W.H. Sgt Green, A.S.	Captain Navigator Bomb Aimer W/Op. A.G. Flight Eng. M-U Gunner Rear Gunner 2nd Pilot	17.44	18.52	Unsuccessful. Target TURIN with 3 x 1,000-lb. G.P. and 450 x 4-lb. incendiaries. Hydraulics U/S. Flaps would not retract. Undercarriage doors would not close. Speed greatly reduced. 2 x 1,000-lb. G.P.'s jettisoned safe. 450 x 4-lb. incs. jettisoned fuzed from 3,000 ft. 1 x 1,000-lb. G.P. hung up.	3
4th - 5th Feb.	HALIFAX II DT.669	W/C M.W. Fleming F/O C.H. Parker Sgt McLean, G.D. F/O A.P. Smith Sgt Jenner, J.G. Sgt Clarke, G.F. Sgt Jensen, W.G.	Captain Navigator Bomb Aimer W/Op. A.G. Flight Eng. Rear Gunner 2nd Pilot	17.42	03.51	Successful. Target TURIN with 3 x 1,000-lb. G.P. and 450 x 4-lb. incendiaries. No cloud, visibility good. Bombed on P.F.F. markers. Satisfactory results. Bombs close to fire already burning. Seven large areas burning when leaving target. Shadowed by W/A which was lost on taking evasive action. No exchange of fire. Heavy flak, very inaccurate.	
4th - 5th Feb.	HALIFAX II BR.285	S/L D.W.S. Clark F/S Williams, R.T. F/O I.G. Duncan Sgt Jackson, F. Sgt Lee, V. Sgt Thompson, J. F/S Brunet, J.A.L.	Captain Navigator Bomb Aimer W/Op. A.G. Flight Eng. M-U Gunner Rear Gunner	17.40	03.06	Successful. Target TURIN with 3 x 1,000-lb. G.P. and 450 x 4-lb. incs. No cloud, good visibility. Bombed on P.F.F. red markers. Own bursts not seen. Incendiaries well scattered. Large widespread fires seen. No opposition encountered.	
6th Feb.	HALIFAX II DT.616	F/O C.E. Porter Sgt Budinger, A.T. F/O G.J. Swenor Sgt Lartigue, G.J. Sgt Bishop, M.W. Sgt London, D. Sgt Taylor, A.H.	Captain Navigator Bomb Aimer W/Op. A.G. Flight Eng. M-U Gunner Rear Gunner	17.18	21.28	Successful. Target:- Mining, Frisian Islands with 2 x 1,500-lb. mines. Visibility poor but cleared for pinpointing of ISLAND OF TERSCHELLING. Mines released 19:18 hours at 800 feet, 24 miles from TERSCHELLING. Both parachutes seem to open.	4
6th Feb.	HALIFAX II DT.688	F/O J.D. Snider Sgt Pope, E.B. Sgt Bruce, A.W.A. F/S Pretty, H.C. Sgt Johnson, J.B. F/S Goodridge, W.	Captain Navigator Bomb Aimer W/Op. A.G. Flight Eng. Rear Gunner	17.20	21.54	Successful. Target:- Mining, FRISIAN ISLANDS with 2 x 1,500-lb. mines. Visibility poor at 1,000 - 1,200 feet, 8/10ths cloud, AMELAND clearly identified. Gardened at 19:18 hours, altitude 800 feet. Parachutes seem to open.	

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OPERATIONS RECORD BOOK

DETAIL OF WORK CARRIED OUT

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

SECRET

PAGE No. 7

(Post) Wt. 255-54 60,000 lbs T.S. 700

FOR THE MONTH OF FEBRUARY 1945

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
6th Feb.	HALIFAX II DT.619	F/S Bell, R.A.N. F/S White, W.L. F/S Williston, R.O. Sgt Arsenescu, J.D. Sgt Taylor, W.E. Sgt Graham, J.F. F/S Aitken, G.E.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	17.21	21.02	Successful. Target:- Mining, FRISIAN ISLANDS with 2 x 1,500-lb. mines. 7/10ths cloud in gardening area. Sea mist and cloud down to 1,000 feet. Visual pin-point of AMELAND made. Gardening carried out 2 miles from AMELAND at 19.25 hours and 900 feet. Parachutes NOT SEEN to open.	4
7th Feb.	HALIFAX II DT.629	S/L D.H. Kemney Sgt Wether, G.J. Sgt Doolea, W. F/O A.C. Raine Sgt Goodson, G.H. F/L Bell, Kenyon F/S Bell, G.H. F/O L.P. Ainsworth	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner Rear Pilot	18.51	23.35	Unsuccessful. Target LORIENT with 2 x 1,000-lb. G.P. and 1,170 x 4-lb. incendiaries. Operation abandoned as guns in rear turret unserviceable. Stoppages in all four guns. Could not be cleared. Bombs jettisoned safe 16,000 feet.	
7th - 8th Feb.	HALIFAX II DT.672	Sgt Maddock, J.T. F/L A.L. Percall F/S Keon, S. F/S McArthur, E.M. Sgt Ogden, A.H. Sgt Peacock, F. F/S Goring, C.A.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.40	01.25	Successful. Target LORIENT with 2 x 1,000-lb. G.P. and 1,170 x 4-lb. incendiaries. Visibility difficult. REDMAN area identified. Pin-point made south of town. Huge fires and smoke seen. No results of own bombing observed. Attack was very concentrated.	
7th - 8th Feb.	HALIFAX II DT.616	F/O C.R. Porter Sgt Rudinger, A.T. F/O G.J. Swenor Sgt Lamborne, G.J. Sgt Bishop, M.W. Sgt London, D. Sgt Taylor, A.H. Sgt Johnson, F.H.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner Rear Pilot	18.50	00.36	Successful. Target LORIENT with 2 x 1,000-lb. G.P. and 1,170 x 4-lb. incendiaries. Visibility good but heavy. Dummy fires seen north-west of target area. Aiming-point not actually in bomb sight. Bombs seen to explode. LORIENT well alight.	5
7th - 8th Feb.	HALIFAX II DT.669	F/S Leveseur, B. Sgt Lloyd, G.A. Sgt Grant, J.E. Sgt Jacobson, H.T. Sgt Robinson, W. Sgt Wilson, K. F/S Gray, W.R.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.54	00.58	Successful. Target LORIENT with 2 x 1,000-lb. G.P. and 1,170 x 4-lb. incendiaries. Visibility good. Landmarks and port area pin-pointed. Aiming point in sight. Own bursts NOT SEEN. Incendiary attack very good. Huge fires seen blazing in docks. Target area clear of cloud but much smoke.	

DATE 1945	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
7th - 8th Feb.	HALIFAX II DT.548	Sgt Gray, M.F. F/S Hancock, C.O. F/O W.J. McInicol Sgt Low, C.M. Sgt Wilby, C. Sgt Brantiff, M.S. F/S Harling, R.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.55	00.54	Successful. Target LORIENT with 2 x 1,000-lb. G.P. and 1,170 x 4-lb. incendiaries. Target area clear of cloud but much smoke. Coastline and docks identified. Own bombs seen to burst. JG-88 believed sighted at 21.14 hours at 17,000 feet but E/A disappeared without attacking.	
7th Feb.	HALIFAX II BB.285	F/S Bell, R.A.H. F/S White, W.L. F/S Williston, R.O. Sgt Arasneau, J.D. Sgt Taylor, W.S. Sgt Graham, J.F. F/S Attkin, G.W.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.48	22.35	Unsuccessful. Target LORIENT with 2 x 1,000-lb. G.P. and 1,170 x 4-lb. incendiaries. Encountered engine trouble. Port outer engine U/S. Second engine cut on return flight. Obligated to land at MORETON-IN-THE-MARSH.	
7th - 8th Feb.	HALIFAX II DT.689	F/O J.D. Snider Sgt Epps, R.H. Sgt Bruce, A.W.A. F/S Pretty, H.G. Sgt Johnson, I.D. F/S Goodridge, W.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. Rear Gunner	18.62	02.15	Successful. Target LORIENT with 2 x 1,000-lb. G.P. and 1,170 x 4-lb. incendiaries. No cloud over target area but much haze and smoke. Could not obtain pin-point. Incendiaries seen to fall. Large red fires seen on built-up area at river bank. Fires very well concentrated.	
7th - 8th Feb.	HALIFAX II DT.641	F/O M. McLaughlin F/O L.H. Holmes F/S Saunders, R.V. Sgt Liddell, R.H. Sgt Dutton, A.F. Sgt Austin, R.E. Sgt Wallis, L.A.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.59	01.04	Successful. Target LORIENT with 2 x 1,000-lb. G.P. and 1,170 x 4-lb. incendiaries. No cloud but smoke obscured ground detail. Target identified by fires. Results of own bombing not observed. At 22.05 hours unidentified aircraft seen. Evasive action taken. A/G not seen again. GWS became U/S immediately after take-off.	5
7th - 8th Feb.	HALIFAX II DT.629	F/S Goddard, R. Sgt Johnson, R. F/S Sherman, H.M. Sgt Deane, K.I.J. Sgt Joy, W.N. Sgt Mackenzie, J.J. F/S Gaunt, W.T.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.42	01.58	Successful. Target LORIENT with 2 x 1,000-lb. G.P. and 1,170 x 4-lb. incendiaries. Visibility good. No cloud but much smoke. Docks identified. Own bombs not seen to burst.	
7th - 8th Feb.	HALIFAX II DT.619	Sgt Jensen, M.G. Sgt Ewan, G.M. Sgt Finchan, S.F. Sgt Hill, W.R. Sgt Holland, G.C. Sgt Douglas, G. Sgt Howard, I.J.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.49	01.46	Successful. Target LORIENT with 2 x 1,000-lb. G.P. and 1,170 x 4-lb. incendiaries. No cloud but visibility spoiled by smoke from fires. No pinpoint obtained but bombs fell south end of fires. Results not observed.	

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OPERATIONS RECORD BOOK

APPENDIX A

A.F.
FORM 341.

DETAIL OF WORK CARRIED OUT

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

SECRET

PAGE No. 8

(9512) Wt. 954-54 62000 Size T.S. 750

FOR THE MONTH OF FEBRUARY 19 45

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
13th - 14th Feb.	HALIFAX II W.7917	Sgt Maddock, J.T. F/S Scowen, D.D. F/S Keon, S. F/S MacArthur, R.W. Sgt Cocher, A.H. Sgt Peacock, F. F/S Goring, C.A. Sgt HARRISON, B.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U-Gunner Rear Gunner 2nd Pilot	18.20	01.04	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 16 x 30-lb. incendiaries and 810 x 4-lb. incendiaries. Good visibility, clear sky at 12,000 feet. <u>Aiming point</u> <u>obtained on target.</u> Bursts believed close to aiming point. Large fires observed. 1 S.B.C. 90 x 4-lb. hung up.	
13th - 14th Feb.	HALIFAX II DT.689	F/O M.C. Frederick W/O Moher, R.H. F/S Connolly, E.W. Sgt Savara, G. Sgt Ellard, C.W. Sgt Rock, D.J. F/O L.J. Tom	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U-Gunner Rear Gunner	17.41	00.20	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 16 x 30-lb. and 810 x 4-lb. incendiaries. No cloud. good visibility at 16,000 feet. Target in bomb sights. Om bursts not seen. Much fire and smoke observed.	
13th - 14th Feb.	HALIFAX II DT.646	F/L G. deG. Sells F/S Morris, V.V. Sgt Ross, R.E. Sgt Drinkell, A. Sgt Taylor, G. F/O J.C. Garbon Sgt Blount, B.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	17.48	00.30	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 16 x 30-lb. and 810 x 4-lb. incendiaries. <u>Aiming point</u> <u>in bomb sight but results not observed.</u> From 16,000 feet the attack seemed very concentrated.	
13th - 14th Feb.	HALIFAX II DT.672	F/S Levasseur, E. Sgt Lloyd, G.A. Sgt Grant, J.W. Sgt Jacobsen, H.T. Sgt Robinson, W.A. Sgt Wilson, P. F/S Gray, W.E.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U-Gunner Rear Gunner	17.45	00.18	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 16 x 30-lb. and 810 x 4-lb. incendiaries. Target well illuminated. <u>Aiming point identified.</u> Bursts seen but no results observed. Incendiaries seen burning well.	6
13th - 14th Feb.	HALIFAX II DT.817	S/L D.H. Kenney Sgt Mather, G.J. Sgt Doonan, M. F/O W.G. Rice Sgt Goodman, G.M. F/O H.T. MacDonald F/O L.P. Ainsworth	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. Rear Gunner 2nd Pilot	17.59	00.55	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 16 x 30-lb. and 810 x 4-lb. incendiaries. Clear sky, visibility good. <u>Aiming point in bombsight.</u> Incendiaries seen burning well. F.F.F. flares accurate.	
13th - 14th Feb.	HALIFAX II DT.669	F/O C.E. Porter Sgt Rudinger, A.I. F/O G.V. Swenor Sgt Lantaigne, G.J. Sgt Bishop, M.W. Sgt London, D. F/S Taylor, A.H. Sgt Palmer, J.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U-Gunner Rear Gunner 2nd Pilot	17.44	00.45	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 16 x 30-lb. and 810 x 4-lb. incendiaries. Visibility good. Target well lit by fires. Bombs seem to explode in built- up areas from 17,500 feet. Results not observed.	

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DATE 1945	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
15th Feb.	HALIFAX II DT.548	Sgt Gray, W.F. F/S Hancock, C.G. F/O W.J. Mc Nicol Sgt Low, C.W. Sgt Wilby, C. Sgt Braniff, W.G. F/S Harling, R.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	17.51	23.56	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 16 x 50-lb. and 810 x 4-lb. incendiaries. Good visibility, moonlight, no cloud. ISLE OF GROIX pin-pointed on P.F.F. Flares and landmarks. Bursts seen from 15,000 feet. No results observed.	6
15th Feb.	HALIFAX II DT.689	W/O M.M. Fleming Sgt Welch, H. F/S Marval, J.E. F/O A.C. Eline Sgt Simonett, W.A. Sgt Couper, J.R. G/C A.C. Ross	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. Rear Gunner 2nd Pilot	17.38	22.09	Unsuccessful. Target LORIENT with 4 x 1,000-lb. G.P. 16 x 50-lb. and 810 x 4-lb. incendiaries. Did not complete operation as rear gunner's oxygen supply became U/S. All bombs jettisoned safe.	
15th Feb.	HALIFAX II EB.283	Sgt Green, A.S. F/O D. Gartery F/O H. Enever Sgt Harrison, M.A. Sgt Dunn, F.A. Sgt Therrien, J.C. Sgt Gowling, G.R.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	17.55	22.27	Unsuccessful. Target LORIENT with 3 x 1,000-lb. G.P. 16 x 50-lb. and 810 x 4-lb. incendiaries. Unable to complete operation. Intercomm. to rear gunner became U/S Bombs jettisoned safe.	
15th Feb.	HALIFAX II DT.619	S/L D.W.S. Clark F/S Williams, R.T. F/O I.G. Duncan Sgt Jackson, F. Sgt Lee, V. Sgt Thompson, J.H. F/S Brunst, J.S.L.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	17.45	23.59	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 16 x 50-lb. and 810 x 4-lb. incendiaries. Good visibility at 15,000 feet. Target well illuminated by fires. Own bomb bursts not seen. F/A seen at 20.39 hours. Evasive action taken and aircraft did not attack.	
15th - 14th Feb.	HALIFAX II DT.641	F/O M. McLaughlin F/O L.H. Holmes F/S Saunders, B.V. Sgt Liddell, R.H. Sgt Dutton, A.S. Sgt Austin, R.H. Sgt Gearing, A.V.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	17.41	00.50	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 16 x 50-lb. and 810 x 4-lb. incendiaries. Moonlight, clear sky and good visibility at 12,000 feet. Aiming point identified by P.F.F. Flares. Incendiaries keep burning.	
15th - 14th Feb.	HALIFAX II DT.798	F/O J.D. Snider Sgt Pope, R.B. Sgt Bruce, A.W.A. F/S Pretty, H.C. Sgt Johnson, T.F. Sgt Clark, W.J. F/S Goodridge, W.B.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.00	00.13	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 16 x 50-lb. and 810 x 4-lb. incendiaries. Sky very clear at 16,000 feet. Base over target but no clouds. P.F.F. flares clear. Own bursts not seen among those of other A/C	

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APPENDIX A

A.F.
FORM 541.

DETAIL OF WORK CARRIED OUT

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PAGE No. 9

(7950) Wt. 925-55 60,000 516 T.S. 790

FOR THE MONTH OF FEBRUARY 1945

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
14th - 15th Feb.	HALIFAX II W.7817	Sgt Maddock, J.T. P/O D. Gartery F/S Keon, S. F/S Mearthur, E.W. Sgt Cocher, A.W. Sgt Pencock, F. F/S Goring, C.A.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.21	00.18	Successful. Target COLOGNE with 2 x 1,000-lb. G.P. 290 x 4-lb. and 16 x 30-lb. incendiaries. 10/10ths cloud up to 10,000 feet. Visibility good above that height. Bombed on green P.F.F. marker from 15,000 feet. No definite results seen. Lots of fire and glow observed.	
14th - 15th Feb.	HALIFAX II DT. 639	P/O H. O. Frederick W/O Mohr, D.L. F/S Connolly, E.W. F/S Sayers, G. Sgt Bizard, G.W. Sgt Rock, E.J. P/O L.J. Toms	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.22	00.14	Successful. Target COLOGNE with 2 x 1,000-lb. G.P. 290 x 4-lb. and 16 x 30-lb. incendiaries. 10/10ths cloud up to 10,000 feet. Over 10,000 feet visibility good. Bombed from 16,000 feet. No results observed of own bombing.	
14th Feb.	HALIFAX II DT. 646	Sgt Palmer, J. P/O G.H. Fox Sgt Budinger, A.T. P/O G.J. Swannor Sgt Lantaigne, G.J. Sgt Stiehop, M.W. Sgt London, D. F/S Taylor, A.H.	2nd Pilot Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.12	25.56	Successful. Target COLOGNE with 2 x 1,000-lb. G.P. 290 x 4-lb. and 16 x 30-lb. incendiaries. 10/10ths cloud up to 10,000 feet. Visibility good above 10,000 ft. Bombed in centre of P.F.F. marker flares. No results observed. Holes in windscreens and rear turret as result of heavy fire. 1 x 1,000-lb. G.P., 1 S.B.C. and 9 x 4-lb. incendiaries hung up and subsequently jettisoned. At 19.58 hrs. while flying at 15,000 feet. 18 aircraft believed to be enemy. Seen about 10,000 feet. At 21.00 hours at 12,000 ft. an H/A seen to attack but was lost by evasive action.	
14th - 15th Feb.	HALIFAX II DT. 678	F/S Levesque, P.A. Sgt Lloyd, G.A. Sgt Grant, J.W. Sgt Jacobson, H.T. Sgt Robinson, W.A. Sgt Wilson, P. F/S Gray, W.R.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.16	00.29	Successful. Target COLOGNE with 2 x 1,000-lb. G.P. 290 x 4-lb. and 16 x 30-lb. incendiaries. Bombed on flares from 16,000 feet. No results of bombing observed.	
14th Feb.	HALIFAX II DT. 617	S/L D.H. Kenney Sgt Wether, G.J. Sgt Doolan, W. P/O W.G. Rice Sgt Goodman, G.M. Sgt Blount, B. P/O L.P. Ainsworth	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. Rear Gunner 2nd Pilot	18.10	25.20	Successful. Target COLOGNE with 2 x 1,000-lb. G.P. 290 x 4-lb. and 16 x 30-lb. incendiaries. 10/10ths cloud at 10,000 feet, visibility above cloud perfect. Bombed on P.F.F. markers, but no results observed.	

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DATE 1943	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
14th Feb.	HALIFAX II DT.848	Sgt Gray, M.F. F/S Hancock, C.O. F/O W.J. McFicol Sgt Weedy, R. Sgt Wilby, C. Sgt Brasniff, W.S. F/S Harling, R.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.18	23.32	Successful. Target COLOGNE with 2 x 1,000-lb. G.P. 990 x 4-lb. and 16 x 30-lb. incendiaries. 10/10 cloud to 10,000 feet, visibility above cloud good. Bombed on P.F.F. markers. Own results not observed.	
14th - 15th Feb.	HALIFAX II BD.283	F/O W.S. Shark F/O R.G. Morrison F/S Owen, P.H. F/O G.G. McQladrey Sgt Bebenese, D.G. F/S Murray, G.F.D. F/S Wootton, H.F. W/O McMillan, G.A.	Captain Navigator Bomb Aimer W/Op.A.G. F/Engineer M-U Gunner Rear Gunner End Pilot	18.11	00.02	Successful. Target COLOGNE with 2 x 1,000-lb. G.P. 990 x 4-lb. and 16 x 30-lb. incendiaries. 10/10 cloud. with tops between 5 and 6,000 feet. Bomb doors would not open, and two runs were made over target. Bombs dropped but exact position not known. Aircraft hit by flak at a bomb-bays.	
14th Feb.	HALIFAX II DT.819	S/L D.W.S. Clark F/S Williams, R.T. F/O I.G. Dunson Sgt Jackson, F. Sgt Lee, V. Sgt Thompson, J.N. F/S Brunet, J.A.L.L.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.17	23.54	Successful. Target COLOGNE with 2 x 1,000-lb. G.P. 990 x 4-lb. and 16 x 30-lb. incendiaries. 10/10th strata, with tops about 18,000 feet. Bombed on P.F.F. flares, but results not observed. Enemy aircraft seen at 19.38 hours, 18,000 feet; evasive action taken and E/A lost.	7
14th Feb.	HALIFAX II DT.841	F/O M. McLaughlin F/O L.H. Holmes F/S Saunders, B.V. Sgt Liddell, R.H. Sgt Dutton, A.E. Sgt Austin, R.E. Sgt Gearing, A.J.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.14	21.41	Unsuccessful. Target COLOGNE with 2 x 1,000-lb. G.P. 990 x 4-lb. and 16 x 30-lb. incendiaries. Did not complete operation, as intercommunication system was unserviceable and aircraft developed engine trouble. All bombs jettisoned "live" at 19.40 hours at altitude of 18,000 feet.	
14th - 15th Feb.	HALIFAX II DT.798	F/O J.D. Snider Sgt Pope, E.P. Sgt Bruce, A.W.A. F/S Pretty, H.C. Sgt Johnson, T.D. F/O A.R. Wallace F/S Goodridge, W.H.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.20	00.10	Successful. Target COLOGNE with 2 x 1,000-lb. G.P. 990 x 4-lb. and 16 x 30-lb. incendiaries. 10/10 cloud up to 10,000 feet. Bombed on P.F.F. flare markers, but no results of own bombing seen. Enemy aircraft seen 18.53 hours, 18,000 feet altitude, but no attack was made.	
14th Feb.	HALIFAX II DT.839	F/S Goddard, R.G. Sgt Johnson, R. F/S Sherman, H.M. Sgt Deans, E.J.J. Sgt Joy, H.H. Sgt McKenzie, J.S. F/S Gaunt, W.F.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.13	23.45	Successful. Target COLOGNE with 2 x 1,000-lb. G.P. 990 x 4-lb. and 16 x 30-lb. incendiaries. 10/10 cloud at 7,000 feet. Bombed on glow of fires seen through cloud. Results not observed. No searchlights and little flak. Enemy aircraft seen 18,000 feet at 19.38 hours. No attack made.	

OPERATIONS RECORD BOOK

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(1941) WL 2055-45 60,000 size U.S. 700

FOR THE MONTH OF FEBRUARY 1945.

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
16th - 17th Feb.	HALIFAX II DT. 659	F/L G.deG. Sells F/S Morris, V.J. Sgt Ross, R.E. Sgt Drinkwell, Av Sgt Taylor, G.S. P/O J.C. Garton F/S Wells, J.J.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.25	01.18	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 18 x 4-lb. and 16 x 30-lb. incendiaries. Clear sky, moonlight and good visibility. Bombed on P.F.F. markers. Incendiaries burning well in target area.	
16th - 17th Feb.	HALIFAX II DT. 646	Sgt Palmer, J. Sgt Walsh, H. P/O T. Brown Sgt Weedy, R. Sgt Simonett, W.A. Sgt Ratelle, R.E.I. Sgt Gearing, A.J.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.29	00.48	Successful. Target LORIENT with 5 x 1,000-lb. G.P. 18 x 4-lb. and 16 x 30-lb. incendiaries. Target area pin-pointed. Many fires burning in target area. Aiming point in sight when bombs released.	
16th - 17th Feb.	HALIFAX II DT. 672	Sgt Jackson, T.E. F/S Carlton, J.M. F/S Fry, J.E. Sgt Gravelly, R.M. Sgt Sebastian, C.J. Sgt Jury, E. Sgt Gray, W.E.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.28	01.24	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 18 x 4-lb. and 16 x 30-lb. incendiaries. Visibility good no cloud. Bombed on P.F.F. green markers. Om-bursts seen. One large explosion observed.	
16th - 17th Feb.	HALIFAX II DT. 617	S/L D.H. Kenney Sgt Nother, G.J. Sgt Deelen, W. P/O W.G. Rice Sgt Goodman, G.M. P/O H.T. MacDonald	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. Rear Gunner	18.58	00.14	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 18 x 4-lb. and 16 x 30-lb. incendiaries. Good visibility. Bursts seen on aiming point. P.F.F. markers accurate.	8
16th - 17th Feb.	HALIFAX II DT. 616	P/O C.E. Parker Sgt Rudinger, A.T. P/O G.J. Swenor Sgt Lantaigne, G.J. Sgt Bishop, M.W. F/S Taylor, A.H.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. Rear Gunner	18.25	01.59	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 18 x 4-lb. and 16 x 30-lb. incendiaries. Good visibility. Bombed on P.F.F. marker flares. No results of own bombing discerned.	
16th - 17th Feb.	HALIFAX II DT. 669	P/O L.E. Ainsworth Sgt Simpson, A. Sgt Oldman, J.K. Sgt Lagdon, S.A. Sgt Ebburs, H. Sgt Clide, W. Sgt Blount, H.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.22	00.50	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 18 x 4-lb. and 16 x 30-lb. incendiaries. Visibility good. Target area clearly seen but results of own bombing not observed.	

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DATE 1945	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
16th - 17th Feb.	HALIFAX II DT.548	Sgt Gray, M.F. P/O Hancock, F.A.O. P/O W.J. McEcol Sgt Low, C.H. Sgt Wilby, C. Sgt Therriman, F.S. Sgt Gowling, G.R.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.26	00.09	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 18 x 4-lb. and 16 x 30-lb. incendiaries. Perfect visibility Bombed on P.F.F. flare markers. Incendiaries seen to burst.	
16th - 17th Feb	HALIFAX II DT.689	W/O M.W. Fleming F/O C.H. Parker P/S McLean, C.D. F/O A.P. Smith Sgt Hall, G.D. Sgt London, D. Sgt Clarke, G.F.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.22	00.30	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 18 x 4-lb. and 16 x 30-lb. incendiaries. Moonlight and good visibility. Aiming-point in bombsight. Own bursts not seen but believed to be on aiming-point.	
16th - 17th Feb.	HALIFAX II BE.283	P/O M. McLaughlin P/O L.J. Holmes P/S Beadmore, D.V. Sgt Dutton, A.H. Sgt Austin, R.H. Sgt Bees, H.G.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.55	00.16	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 18 x 4-lb. and 16 x 30-lb. incendiaries. No cloud or haze but much smoke over target. Own bursts seen on target. Many fires starting.	8
16th - 17th Feb.	HALIFAX II DT.615	P/O H.S. Shark P/O R.G. Morrison P/S Owen, P.H. P/O G.G. McGladrey Sgt Sebensee, D.G. P/S Murray, G.F.D. P/S Wootton, H.V. W/O McKillan, G.A.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner Second Pilot	18.30	00.41	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 18 x 4-lb. and 16 x 30-lb. incendiaries. Aiming-point in bombsight. Bombs seen bursting on aiming-point. P.F.F. markers good.	
16th - 17th Feb.	HALIFAX II DT.619	A/L D.W.S. Clark P/S Williams, R.T. P/O I.G. Dunsen Sgt Jackson, F. Sgt Lee, V. Sgt Thompson, J.H. P/S Brunet, J.A.L.L.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.27	01.20	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 18 x 4-lb. and 16 x 30-lb. incendiaries. Visibility good. Target identified by P.F.F. markers and visibly. Bombs seen to explode on built-up area.	

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OPERATIONS RECORD BOOK

APPENDIX A

A.F.
FORM 341.

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FOR THE MONTH OF FEBRUARY 1943

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
16th - 17th Feb.	HALIFAX II DT. 798	F/O J.D. Snider Sgt. Dpms. R.E. Sgt Bruce, A.W.A. F/S Dratty, K.C. Sgt Johnson, T.B. F/O A.H. Wallace F/S Godridge, W.H.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. M-U Gunner Rear Gunner	18.55	00.22	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 18 x 4-lb. and 16 x 30-lb. incendiaries. Good visibility. Bombed on P.F.F. flare markers. Own results not observed but incendiaries seen burning.	8
16th - 17th Feb.	HALIFAX II DT. 629	F/S Goddard, R.G. F/S Johnson, R. F/S Sherman, H.M. Sgt Deane, K.L.J. Sgt Joy, H.N. Sgt McKenzie, J.J. F/S Gaunt, W.T.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. M-U Gunner Rear Gunner	18.52	00.56	Successful. Target LORIENT with 4 x 1,000-lb. G.P. 18 x 4-lb. and 16 x 30-lb. incendiaries. Target clearly identified visibly as well as by P.F.F. markers. Bombs seen to burst on built-up area.	
16th Feb.	HALIFAX II DT. 639	F/S Levasseur, B. Sgt Lloyd, G.A. Sgt Grant, J.W. Sgt Jacobsen, H.T. Sgt Robinson, W.A. Sgt Wilson, F. F/S Gray, W.R.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. M-U Gunner Rear Gunner	17.51	-	Aircraft set out with 4 x 1,000-lb. mines to carry out mining operations in the area of the FRISIAN ISLANDS. Nothing was heard from the aircraft after take-off, and its failure to return must be presumed to be due to enemy action.	9
16th Feb.	HALIFAX II DT. 646	Sgt Palmer, J.A. Sgt Walsh, H. F/O T. Brown Sgt Weedy, R. Sgt Simons, W.A. Sgt Ratelle, R.E.L. Sgt GSKING, A.J.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. M-U Gunner Rear Gunner	17.48	23.06	Mining in area of FRISIAN ISLANDS with 2 x 1,600-lb. mines. Good visibility, bright moonlight, no clouds. Pin-point obtained on ISLAND OF JUIST.	
16th Feb.	HALIFAX II DT. 672	F/O J.D. Dickson F/O L. Sabel Sgt Harris, A.G. Sgt Bright, P.F. Sgt Allan, J.C. F/O R.G. Wagner Sgt Weeks, J.A.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. M-U Gunner Rear Gunner	17.57	22.55	Mining in area of FRISIAN ISLANDS with 2 x 1,600-lb. mines. Visibility good. JUIST pin-pointed. Parachutes not seen to open.	
16th Feb.	HALIFAX II DT. 617	F/O L.P. Ainsworth Sgt Simpson, A. Sgt Oldman, J.E. Sgt Lagdon, S.A. Sgt Ebberts, H. Sgt Clinie, W. Sgt Blount, B.	Captain Navigator Bomb Aimer W/O A.G. Flight Eng. M-U Gunner Rear Gunner	18.17	22.48	Mining in area of FRISIAN ISLANDS with 2 x 1,600-lb. mines. Slight ground haze but visibility excellent. Pin-point obtained on JUIST. Parachutes seen to open.	

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DATE 1943	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
18th Feb.	HALIFAX II DT.548	W/O McMillan, G.A. Sgt Klein, W.J. P/O H. Enever Sgt Allison, W.H.D. Sgt Howell, W.J. P/O A.R. Wallace Sgt Bees, H.G.	Captain Navigator Bomb Aimer W/Op. A.G. Flight Eng. M-U Gunner Rear Gunner	17.55	22.55	Successful. Target - mining in area of FRISIAN ISLANDS with 2 x 1,500-lb. mines. JUIST was pin-pointed and visually identified. Parachutes not seen to open. At 20.42 hours 1,500 feet, an E/Aircraft was sighted astern. The rear-gunner gave it a short burst and the E/Aircraft broke away without firing.	9
18th Feb.	HALIFAX II DT.619	S/L D.W.G. Clark P/S Williams, R.T. P/O I.G. Duncan Sgt Jackson, F. Sgt Lee, V. Sgt Thompson, J.M. P/S Brunet, J.A.L.L.	Captain Navigator Bomb Aimer W/Op. A.G. Flight Eng. M-U Gunner Rear Gunner	17.47	22.28	Successful. Mining in area of FRISIAN ISLANDS with 4 x 1,000-lb. mines. JUIST was pin-pointed. Mines dropped and all four parachutes seen to open.	
18th Feb.	HALIFAX II DT.788	P/O J.D. Snider Sgt Pope, E.B. Sgt Bruce, A.W.A. S/S Pretty, K.C. Sgt Johnson, T.E. Sgt Therrien, J.C. P/S Goodridge, W.H.	Captain Navigator Bomb Aimer W/Op. A.G. Flight Eng. M-U Gunner Rear Gunner	17.50	22.59	Unsuccessful. Mining in area of FRISIAN ISLANDS with 4 x 1,000-lb. mines. Unable to pin-point JUIST, and all mines brought back.	
18th Feb.	HALIFAX II DT.689	P/S Goddard, R.G. Sgt Johnson, R. P/S Sherman, R.H. Sgt Deane, K.L.J. Sgt Joy, W.N. Sgt McKenzie, J.J. P/S Gaunt, W.T.	Captain Navigator Bomb Aimer W/Op. A.G. Flight Eng. M-U Gunner Rear Gunner	17.52	22.18	Successful. Mining in area of FRISIAN ISLANDS with 2 x 1,500-lb. mines. Target pin-pointed, mines were dropped and parachutes seen to open. Encountered an Me.109 fighter at 20.08 hours. E/Aircraft opened fire with cannon. Evasive action was taken and rear-gunner fired a long burst and tracers were seen entering E/Aircraft, which went into a dive. It is claimed as 'probably damaged.'	
18th Feb.	HALIFAX II DT.616	P/O C.M. Porter Sgt Budinger, A.T. P/O G.J. Swensdr Sgt Lantaigie, G.J. Sgt Bishop, M.W. Sgt London, D.	Captain Navigator Bomb Aimer W/Op. A.G. Flight Eng. Rear Gunner	18.57	19.00	Unsuccessful. Target WILHELMSHAVEN with 3 x 1,000-lb. G.P., 800 x 4-lb. and 16 x 50-lb. incendiaries. Aircraft was obliged to return to base owing to an oil leak in Port outer engine. Bombs jettisoned at 18.48 hours from 600 feet altitude.	
18th Feb.	HALIFAX II DT.689	P/O M. McLaughlin P/O L.H. Holmes P/S Saunders, B.V. P/S Liddel, R.H. Sgt Dutton, A.E. Sgt Austin, R.E. Sgt Fyfe, D.G.	Captain Navigator Bomb Aimer W/Op. A.G. Flight Eng. M-U Gunner Rear Gunner	18.56	23.50	Successful. Target WILHELMSHAVEN with 5 x 1,000-lb. G.P., 800 x 4-lb. and 16 x 50-lb. incendiaries. Aircraft was obliged to return to base owing to an oil leak in Port outer engine. Bombs jettisoned at 18.48 hours from 600 feet altitude. Good visibility, with no cloud - bright moonlight over target area. Incendiaries seen burning.	

OPERATIONS RECORD BOOK

DETAIL OF WORK CARRIED OUT

By No. 619 (R.C.A.F.) SQUADRON

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PAGE No. 12

(Form 541) W.L. 6257-24 40,000 1/24 T.S. 700

FOR THE MONTH OF FEBRUARY 1948

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
18th Feb.	HALIFAX II DT.616	P/O W.S. Sherk P/O R.G. Morrison P/S Owen, P.H. P/O G.G. McIlindray Sgt Rebensee, D.G. P/S Murray, G.F.D. P/S Wootton, H.T.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. W-U Gunner Rear Gunner	18.35	23.16	Successful. Target WILHELMSHAVEN with 3 x 1,000-lb. G.P. 800 x 4-lb. and 16 x 30-lb. incendiaries. Good visibility. Bombed on aiming-point but results not observed.	9
19th Feb.	HALIFAX II W.7817	Sgt Maddock, J.T. P/O D. Garbery P/S Keon, B. P/S McArthur, E.M. P/S Gocher, J.W. Sgt Peacock, F. Sgt Jury, E.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.10	23.27	Successful. Target WILHELMSHAVEN with 3 x 1,000-lb. G.P. 720 x 4-lb. and 32 x 30-lb. incendiaries. Visibility poor - ground haze. Bombed on P.F.F. markers. Incendiaries seen burning and getting good hold.	
19th - 20th Feb.	HALIFAX II DT.646	P/O M.O. Frederick W/O Mohr, D.L. P/S Connolly, E.W. P/S Sayers, G. Sgt Ellard, C.W. Sgt Rook, B.D. Sgt London, D.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.07	0026	Successful. Target WILHELMSHAVEN with 3 x 1,000-lb. G.P. 720 x 4-lb. and 32 x 30-lb. incendiaries. Bright moonlight; good deal of ground haze. Bombed on P.F.F. flares. Saw flashes of high explosive bursts.	
19th Feb.	HALIFAX II DT.672	P/L G. deo, Sellé P/S Carlton, J.W. Sgt Ross, R.W. Sgt Drinkell, A. Sgt Taylor, G.S. P/O J.C. Garbon Sgt Wells, J.D.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.08	23.55	Successful. Target WILHELMSHAVEN with 3 x 1,000-lb. G.P. 720 x 4-lb. and 32 x 30-lb. incendiaries. Good visibility but ground haze. Bombed on P.F.F. markers but no results of own bombing observed.	10
19th Feb.	HALIFAX II DT.617	S/L D.N. Kenney Sgt Wether, G.J. Sgt Doonan, W. P/O M.G. Rice Sgt Goodman, G.M. P/O H.T. MacDonald	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. Rear Gunner	18.32	23.56	Successful. Target WILHELMSHAVEN with 3 x 1,000-lb. G.P. 720 x 4-lb. and 24 x 30-lb. incendiaries. 10/10ths low cloud over target. Bombed in centre of good fires. Saw one incendiary but no results of high explosive bombs observed.	
19th Feb.	HALIFAX II DT.618	P/O C.E. Porter Sgt Buddinger, A.T. P/O T. Brown Sgt Lanteligne, G.F. Sgt Bishop, M.W. Sgt Taylor, A.E.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. Rear Gunner	18.00	23.01	Successful. Target WILHELMSHAVEN with 3 x 1,000-lb. G.P. 720 x 4-lb. and 24 x 30-lb. incendiaries. Good visibility with ground haze. Bombed on P.F.F. markers. Own bursts not observed. At 20.35 hours had to jettison 1 x 1,000-lb. G.P. fused due to possible electrical failure.	

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DATE 1945	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
19th Feb.	HALIFAX II DT.689	W/C M.M. Fleming P/O C.H. Parker P/S McLean, O.D. P/O A.P. Smith Sgt Hall, D.G. Sgt Therrien, J.G. Sgt Clarke, G.F.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	17.59	22.55	Successful. Target WILHELMSHAVEN with 5 x 1,000-lb. G.P. 720 x 4-lb. and 24 x 30-lb. incendiaries. Much ground haze. Bombed on P.F.F. markers. Three main bursts seen through cloud.	10
19th Feb.	HALIFAX II BB.283	F/S Goddard, R.G. Sgt Johnson, R. P/S Sherman, H.M. Sgt Deane, K.I.J. Sgt Joy, W.N. Sgt McKensie, J.J. F/S Gaunt, W.T.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.01	22.51	Successful. Target WILHELMSHAVEN with 5 x 1,000-lb. G.P. 720 x 4-lb. and 24 x 30-lb. incendiaries. Ground detail unable to be observed because of haze. Bombed on P.F.F. markers. No results seen.	
19th Feb.	HALIFAX II DT.618	P/O W.S. Sherk P/S R.G. Morrison P/S Owen, P.H. P/O G.G. McLadrey Sgt Schense, D.G. P/S Murray, G.P.D. P/S Wootton, H.T.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.05	23.14	Successful. Target WILHELMSHAVEN with 5 x 1,000-lb. G.P. 720 x 4-lb. and 24 x 30-lb. incendiaries. Bombed on P.F.F. markers from 17,000 feet. Ground detail obscured by haze. Own bombs seen to burst close to markers.	
19th Feb.	HALIFAX II DT.619	S/L D.W.S. Clark P/S Williams, R.T. P/O I.G. Dunpan Sgt Jackson, F. Sgt Lee, V. Sgt Thompson, J.H. P/S Brunet, J.A.L. Sgt McMorley, B.F.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner 2nd Pilot	18.05	23.19	Successful. Target WILHELMSHAVEN with 5 x 1,000-lb. G.P. 720 x 4-lb. and 24 x 30-lb. incendiaries. Thin cloud 4/10ths - 10/10ths density at 10,000 feet. No pinpoint obtained. Bombed on P.F.F. fires. Results of own bombing not observed.	
19th - 20th Feb.	HALIFAX II DT.641	P/O M. McLaughlin P/O L.H. Holmes P/S Saunders, B.V. Sgt Liddell, R.H. Sgt Dutton, A.E. Sgt Austin, R.E. Sgt Blount, B.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.25	00.34	Unsuccessful. Target WILHELMSHAVEN with same bomb load as above. Due to the intercomm. system becoming U/S aircraft was forced to return with obtaining objective. All bombs jettisoned.	

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OPERATIONS RECORD BOOK

APPENDIX A

A.F.
FORM 541.

DETAIL OF WORK CARRIED OUT

By No. 619 (R.C.A.F.) SQUADRON

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Page No. 13

(4922) Wt. 2255-64 60000 Size T.S. 700

FOR THE MONTH OF FEBRUARY 19 45

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
19th - 20th Feb.	HALIFAX II W.7889	W/O McKillen, G.A. Sgt Klein, W.J. P/O H. Rnever Sgt Allison, W.H.D. Sgt Howell, W.J. P/O A.R. Wallace Sgt Beas, H.G.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.09	00.29	Successful. Target WILHELMSHAVEN with 3 x 1,000-lb. G.P., 720 x 4-lb. and 24 x 50-lb. incendiaries. Visibility good above 8,000 feet. 7/10ths cloud to that height. Bombed on P.F.F. markers but own results not observed.	10
19th Feb.	HALIFAX II DT.789	F/O J.D. Snider Sgt Pope, E.R. Sgt Bruce, A.W.A. F/S Pretty, H.C. Sgt Johnson, T.B. Sgt Poole, S. F/S Goodridge, N.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.06	23.08	Successful. Target WILHELMSHAVEN with same bomb load as above. No cloud but much ground haze. Bombed in centre of P.F.F. flares. Bomb explosions seen through haze.	
24th - 25th Feb.	HALIFAX II DT.889	W/O M.M. Fleming F/O C.H. Parker F/S McLean, O.D. F/O A.P. Smith Sgt Hall, D.G. Sgt Duff, J.A. Sgt Clarke, G.F.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.27	22.54	Successful. Target WILHELMSHAVEN with 3 x 1,000-lb. G.P., 720 x 4-lb. and 24 x 50-lb. incendiaries. 20.53 hrs 18,000 feet, 10/10ths cloud, tops about 17,000 feet. Warning flares identified on track and P.F.F. sky marker flares. Bombed on concentration of sky marker flares. No results observed.	11
24th Feb.	HALIFAX II DT.848	S/E D.W.S. Clark F/S Williams, R.T. F/O I.G. Duncan Sgt Jackson, F. Sgt Lee, V. Sgt Thompson, J.H. Sgt Wallis, L.A. Sgt Mosorley, B.F.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner 2nd Pilot	18.29	23.15	Successful. Target WILHELMSHAVEN with bomb load as above. (Warning flares) identified on track. 10/10ths cloud at approximately 2,000 - 3,000 feet. Red and green sky markers seen. Bombed on sky marker flare and a red marker which burst immediately below it. Red marker in bombsight. No results observed.	
24th Feb.	HALIFAX II DT.841	F/O M. McLaughlin F/O L.H. Holmes F/S Saunders, B.V. F/S Liddell, R.H. Sgt Dutton, A.E. Sgt Morrison, S.R. Sgt Austin, R.E.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.52	23.18	Successful. Target WILHELMSHAVEN with bomb load as above. 10/10ths cloud about 1,000 feet (marker bombs bursting above cloud). Bombed by P.F.F. flares (dropped in two places). Bombed on western lot of flares. Bombs dropped on ground flares and bomb bursts seen through cloud.	
24th Feb.	HALIFAX II DT.618	F/O H.S. Sherk F/L R.G. Morrison F/S Owen, P.H. F/O G.G. McGladrey Sgt Behrens, D.G. F/S Murray, G.F.D. F/S Wootton, H.F. Sgt Tattersall, H.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner 2nd Pilot	18.54	23.08	Successful. Target WILHELMSHAVEN with same bomb load as above. 10/10ths cloud tops 4,000 - 5,000 feet. Visibility nil. Bombed by red P.F.F. marker bombs. Bombed in centre of marker concentration. Flak not very accurate or heavy.	

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DATE 1945	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
24th Feb.	HALIFAX II DT.668	P/O M.C. Frederick W/O Mohr, R.L. F/S Connolly, R.W. F/S Sayers, G. Sgt Ellard, C.W. Sgt Rock, F.J. Sgt Pyley, D.G.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. W-U Gunner Rear Gunner	18.54	25.06	Successful. Target WILHELMSHAVEN with 3 x 1,000-lb. G.P., 720 x 4-lb. and 52 x 30-lb. incendiaries. 10/10ths cloud with tops at 9,000 feet. Bombed on ground marker flares. P.F.F. flares and markers very accurate. Flak moderate and fairly accurate.	
24th Feb.	HALIFAX II DT.789	F/O J.D. Snider Sgt Pope, E.P. Sgt Bruce, A.W.A. F/S Pretty, H.C. Sgt Johnson, J.B. Sgt Mills, J.A. F/S Goodridge, W.H. Sgt McIntosh, J.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner Second Pilot	18.28	25.37	Successful. Target WILHELMSHAVEN with bomb load as above. Visibility very poor, 10/10ths cloud. Bombed between two bunches of sky marker flares which were wide apart. No results observed. Impossible to estimate exact position to bomb.	
24th Feb.	HALIFAX II BB.285	Sgt Bell, R.A.H. F/S White, W.L. F/S Williston, R.O. Sgt Arsenau, J.D. Sgt Taylor, W.D. Sgt Graham, J.F. F/S Atkey, C.E.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.36	25.26	Successful. Target WILHELMSHAVEN with bomb load as above. 10/10ths cloud with tops at 7,000 feet. Visibility good above cloud. Green stars in bombsight. Bomb bursts seen through cloud. Appeared to be large fires starting, glow of which was reflected on cloud. Enemy fighter cannon shell caused two holes in fuselage.	//
24th Feb.	HALIFAX II DT.624	Sgt Palmer, J. Sgt Walsh, H. P/O T. Brown Sgt Heagy, R. Sgt Simonett, W.A. Sgt Russell, R.E.L. Sgt Gearing, A.J.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.26	25.02	Successful. Target WILHELMSHAVEN with bomb load as above. 10/10ths cloud, with tops at 7,000 feet. Visibility good above cloud. Marker flares in bombsight. Own results not observed.	
24th Feb.	HALIFAX II DT.672	Sgt Jackson, T.E. F/S Carlton, J.R. F/S Fry, J.R. Sgt Crandell, T.M. Sgt Sebastian, C.J. Sgt Jury, E. F/S Storts, H.C.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.30	25.40	Successful. Target WILHELMSHAVEN with bomb load as above. 10/10ths cloud. Bombed by P.F.F. sky markers which were seen in bombsight. Results not observed.	
24th Feb.	HALIFAX II W.7869	F/O J.D. Dickson F/O H. Cabell Sgt Harris, A.C. Sgt Bright, F.W. Sgt Allen, J.C. F/O R.J. Wagner Sgt Weeks, J.A.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.40	25.50	Successful. Target WILHELMSHAVEN with bomb load as above. 10/10ths cloud. Bombed by P.F.F. sky markers. Flares seen in bombsight. Results not observed.	

OPERATIONS RECORD BOOK

APPENDIX A

A.F. FORM 541.

COPY

DETAIL OF WORK CARRIED OUT

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

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PAGE No. 14

(9521) Wt. 5075—of 60,000 size T.S. 700

FOR THE MONTH OF FEBRUARY 1945

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
24th Feb.	HALIFAX II DT.646	Sgt Bakewell, L. P/S Scowen, D.D. P/S Marvel, J.E. Sgt Morrison, A.E. Sgt Turner, A.C. Sgt Thomson, J.R. P/S Couper, J.R.	Captain Navigator Bomb Aimer W/Op. A.G. Flight Eng. M-U Gunner Rear Gunner	18.40	23.56	Successful. Target WILHELMSHAVEN with 3 x 1,000-lb. G.P.s., 720 x 4-lb. and 32 x 30-lb. incendiaries. 10/10ths cloud. Bombed on P.F.F. marker flares. No results seen owing to cloud. Three quite large glows seen underneath the cloud.	
24th Feb.	HALIFAX II DT.616	F/O C.E. Porter Sgt Dudinger, A.T. Sgt Finchem, R.E. Sgt Lanteigne, G.J. Sgt Bishop, M.W. Sgt London, D. P/S Taylor, A.H.	Captain Navigator Bomb Aimer W/Op. A.G. Flight Eng. M-U Gunner Rear Gunner	18.35	23.44	Successful. Target WILHELMSHAVEN with bomb load as above. 10/10ths cloud, visibility nil. Steady green flares seen on way in, and red and green over target area. Bombed on red markers, effects of bombing reflected on clouds. Bombed in centre of concentration.	
24th - 25th Feb.	HALIFAX II No. 7817	Sgt Maddock, J.T. F/O F. Campbell P/S Keen, R. P/S MacArthur, R.M. Sgt Ocher, A.M. Sgt Pycroft, P. P/S Goring, C.A.	Captain Navigator Bomb Aimer W/Op. A.G. Flight Eng. M-U Gunner Rear Gunner	18.35	00.08	Successful. Target WILHELMSHAVEN with bomb load as above. 10/10ths cloud up to 10,000 feet. P.F.F. flares at turning point and target. Flares in bombsight. Results not observed, but glow visible under P.F.F. flares.	11
24th - 25th Feb.	HALIFAX II DT.617	R/L D.H. Kamey Sgt Wether, G.J. Sgt Doonan, M. F/O W.G. Rice Sgt Goodman, G.M. Sgt Batkin, W.C. Sgt Johnson, F.S.	Captain Navigator Bomb Aimer W/Op. A.G. Flight Eng. Rear Gunner Second Pilot	18.25	00.18	Successful. Target WILHELMSHAVEN with bomb load as above. 10/10ths cloud with tops 6/6,000 feet. Bombed by P.F.F. sky and ground markers. Markers in bombsight. Incendiaries seen to burn. Much heavy flak, but less tight flak than usual.	
25th Feb.	HALIFAX II DT.689	Sgt Harrison, P.S. P/S Fitzpatrick, C. Sgt Ford, D.J.A. Sgt Smory, R.W. Sgt Foster, D.J. Sgt Duff, J.O. Sgt Morgan, E.A.	Captain Navigator Bomb Aimer W/Op. A.G. Flight Eng. M-U Gunner Rear Gunner	21.20	21.37	Unsuccessful. Mining in vicinity of FRISIAN ISLANDS, with 4 x 1,000-lb. mines. Aircraft struck a tree while taking-off, sustaining slight damage to leading edge of wing, propeller tip and cowling of radiators damaged. Port outer engine out and aircraft lost height. Mines jettisoned five minutes after take-off in region of Scorton.	
25th - 26th Feb.	HALIFAX II DT.689	Sgt Green, A.S. F/O D. Gartery Sgt Brockway, A.A. Sgt Harrison, M.A. Sgt Dunn, F.A. F/O R.J. Wagner Sgt Dowling, G.R.	Captain Navigator Bomb Aimer W/Op. A.G. Flight Eng. M-U Gunner Rear Gunner	21.28	00.15	Unsuccessful. Mining in vicinity of FRISIAN ISLANDS, with 4 x 1,000-lb. mines. Good visibility, slight haze on markers. No cloud. As rear turret was unserviceable and no guns serviceable, Captain decided to return to base. All mines brought back.	12

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DATE 1945	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
26th - 27th Feb.	HALIFAX II N.7817	Sgt Harrison, P.S. F/S Fitzpatrick, C. Sgt Ford, E.J.A. Sgt Emery, E.W. Sgt Foster, D.J. Sgt Duff, J.G. Sgt Morgan, E.A.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.54	01.16	Successful. Target COLOGNE with 2 x 1,000-lb. G.F. 1 x 1,000-lb. Delay, 720 x 4-lb. and 52 x 50-lb. incendiaries. No cloud, but ground haze. Target identified by red and green P.F.F. flares. No ground detail visible until after bombing. Own results not seen. Very good fires and well concentrated.	
26th - 27th Feb.	HALIFAX II DT.646	Sgt Bakewell, L. F/S Soomes, D.D. F/S Maxwell, J.E. Sgt Morrison, A.S. Sgt Turner, A.C. F/S Couper, J.R.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. Rear Gunner	19.00	00.40	Successful. Target COLOGNE with bomb load as above. Ground haze and smoke but no cloud. Target identified by green flares. Bombs seen to drop and incendiaries "start up". Large fires near aiming point.	
26th-27th Feb.	HALIFAX II DT.572	Sgt Jackson, T.E. F/S Urison, J.W. F/S Fry, J.A. Sgt Grandell, T.M. Sgt Sebastian, C.J. Sgt Jury, E. F/S Storms, H.C.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.59	00.20	Successful. Target COLOGNE with bomb load as above. No cloud, visibility very good. Bombed centre of P.F.F. flares. Bombs seen to burst.	
26th-27th Feb.	HALIFAX II DT.617	F/O J.D. Dickson F/O R. Cabell Sgt Harris, A.C. Sgt Bright, P.J. Sgt Allen, J.C. F/O R.E. Wagner Sgt Weeks, J.A.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.50	00.35	Successful. Target COLOGNE with bomb load as above. Clear visibility, but ground haze and smoke. Bombed on P.F.F. marker flares. Bombs fell around aiming point. Scattered fires seen.	13
26th-27th Feb.	HALIFAX II DT.616	F/O P.G. Needon F/O P. Campbell Sgt Gravalet-Chapman, J. Sgt Wigelsworth, M. Sgt Nevins, G.W. Sgt Poole, S. Sgt Plyley, D.G.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.56	00.09	Successful. Target COLOGNE with bomb load as above. No cloud but too hazy to distinguish ground detail. Target identified by red markers. Results not observed. Trailing aerial removed by another aircraft off Dutch coast.	
26th-27th Feb.	HALIFAX II DT.548	Sgt McSorley, B.F. Sgt Lixsey, A. Sgt Watts, G.L. Sgt Holden, A.J. Sgt Boulter, F.C. Sgt Gorman, W.M. Sgt Ridgway, W.E.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.58	01.11	Successful. Target COLOGNE with bomb load as above. Visibility clear with slight ground haze. Green P.F.F. markers in bombsight. Bursts seen and incendiaries starting. Many fires in centre of aiming point.	

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APPENDIX A

A.F. FORM 541.

DETAIL OF WORK CARRIED OUT

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

SECRET

PAGE No. 17

(1942) Wt. 225—of 60,000 lbs. T.S. 700

FOR THE MONTH OF FEBRUARY 1943

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
28th Feb. 1st Mar.	HALIFAX II DT.689	Sgt Green, A.S. P/O D. Gartery Sgt Brockway, A.J. Sgt Harrison, M.A. Sgt Dunn, P.A. Sgt Therrien, J.C. Sgt Gowling, G.R.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.10	00.31	Successful. Target ST. NAZAIRE with 2 x 1,000-lb. G.P., 810 x 4-lb. and 32 x 30-lb. incendiaries. Visibility fair. Smoke screen seen over centre of town. Pinpointed river, bay and P.F.F. markers. Aiming point not visible. Bursts seen through smoke.	15
28th Feb. 1st Mar.	HALIFAX II DT.641	W/O McMillan, G.A. Sgt Klein, W.J. P/O H. Enever Sgt Coburn, C.S. Sgt Howell, W.J. P/O A.E. Wallace Sgt Peck, H.G.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.14	02.00	Successful. Target ST. NAZAIRE with bomb load as above. No cloud—visibility good. River north of town and also river LOIRE identified. Aiming point in bombsight. Results not observed.	
28th Feb. 1st Mar.	HALIFAX II DT.789	P/O H.S. Shark P/L R.G. Morrison P/S Owen, P.H. P/O G.C. McGladrey Sgt DeBansse, D.G. P/S Murray, G.F.D. P/S Wootton, H.F. P/O A.A. Markitt	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner Second Pilot	18.20	00.40	Successful. Target ST. NAZAIRE with bomb load as above. Clear visibility, no cloud. River visible, but target obscured by haze and smoke. Bombed on red and green marker flares. Whole town seen to be burning. Glow of fires visible 60 miles away. Smoke from fires up to 10,000 feet.	
(Signed) "M.M. Fleming"							
Wing Commander, Commanding, No. 419 (R.C.A.F.) SQUADRON.							

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OPERATIONS RECORD BOOK

DETAIL OF WORK CARRIED OUT

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

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PAGE No. 15

(Form) Wt. 925-35 40,000 Size T.S. 700

FOR THE MONTH OF FEBRUARY 1945

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
26th-27th Feb.	HALIFAX II DT.641	Sgt Jensen, M.G. Sgt Egan, G.M. Sgt Fincham, S.F. Sgt Mill, W.R. Sgt Holland, G.C. Sgt Douglas, C.T. P/S Howard, T.J.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.51	01.05	Successful. Target COLOGNE with 2 x 1,000-lb. G.P. and 1 x 1,000-lb. Delay, 720 x 4-lb. and 32 x 50-lb. incendiaries. No cloud, slight ground haze. Bombed in centre of green P.F.F. flares. Results not discerned. Some incendiaries "hung up".	
26th-27th Feb.	HALIFAX II DT.689	Sgt McIntosh, J. Sgt Mellin, A. Sgt Keary, R.N. Sgt Rensen, A.D. Sgt Grogan, A.G. Sgt Doe, K.N. Sgt Dunbar, G.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.55	00.27	Successful. Target COLOGNE with bomb load as above. No cloud, but smoke and haze over target. Red P.F.F. markers in bombsight. Results not observed. Fires seen all around the markers.	
26th-27th Feb.	HALIFAX II DT.615	P/O W.S. Shery P/L R.G. Morrison P/S Owen, P.H. P/O G.C. McIndree Sgt Bebensee, D.G. P/S Murray, G.F.D. P/S Wootton, H.T. Sgt Tattersall, R.G.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner Second Pilot	18.49	00.51	Successful. Target COLOGNE with bomb load as above. Visibility clear, some ground detail seen. Green P.F.F. markers in bombsight. Bomb bursts seen. Port outer engine went unserviceable for 25 minutes. 88 miles from target, causing aircraft to bomb from 9,000 feet.	13
26th-27th Feb.	HALIFAX II DT.634	Sgt Palmer, J. Sgt Welch, H. P/O T. Bryn Sgt Weedy, R. Sgt Simonett, W.A. Sgt Hattelle, R.E.L. Sgt Gearing, A.J.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.50	01.21	Successful. Target COLOGNE with bomb load as above. No cloud, but slight ground haze. No ground detail visible. Bombed on green P.F.F. markers. Fires were concentrated and incendiaries were scattered over the outskirts of the town.	
26th-27th Feb.	HALIFAX II DT.789	Sgt Green, A.S. P/O D Gartery Sgt Brockway, A.T. Sgt Harrison, M.A. Sgt Dunn, F.A. Sgt Morrison, S.R. Sgt Gooding, G.R.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.57	00.35	Successful. Target COLOGNE with bomb load as above. Good visibility but much smoke and haze. Green P.F.F. flares in bomb sight. Results of own bombing not discerned.	
26th-27th Feb.	HALIFAX II 88,983	P/S Bell, R.A.H. P/S White, W.H. P/S Williston, R.O. Sgt Arneson, J.D. Sgt Taylor, W.T. Sgt Graham, J.F. P/S Aitken, G.E.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.56	00.15	Successful. Target COLOGNE with bomb load as above. Visibility clear, thin haze. Built-up area seen. Bombed on red P.F.F. flares. Results not seen.	

DATE 1943	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
27th Feb.	HALIFAX II DT. 654	P/O L.P. Ainsworth Sgt Simpson, A. Sgt Oldman, J.E. Sgt Lagdon, S.R. Sgt Hobbs, H. Sgt Oltme, W. Sgt Blount, E.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	17.52	18.55	Unsuccessful. Mining in area of FRISIAN ISLANDS with 4 x 1,500-lb. mines. Starboard engine unserviceable on take-off. Oil temperature mounted rapidly and Captain decided to return to base. Mines jettisoned "safe" from 2,800 feet at 18.19 hours.	
27th Feb.	HALIFAX II DT. 789	Sgt McSorley, B.F. Sgt Livesey, A. Sgt Watts, G.L. Sgt Holden, A.J. Sgt Selter, F.C. Sgt Gorman, W.M. Sgt Ridgway, W.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.23	22.54	Successful. Mining in area of FRISIAN ISLANDS with 2 x 1,000-lb. mines. Mined by run from SIMONSAND. Vegetable dropped on ETA. One parachute seen to open.	
27th Feb.	HALIFAX II DT. 616	P/O M.O. Frederick W/O Mohr, D.L. P/S Connolly, E.W. P/S Sayers, G. Sgt Ellard, C.W. Sgt Rock, B.W. P/L Bil. Kenyon P/O W.W. Kiddie	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner Second Pilot	17.55	22.04	Successful. Mining in area of FRISIAN ISLANDS with 2 x 1,000-lb. mines. No cloud but visibility poor. Target identified by run from SIMONSAND. Mined on ETA. Rear gunner saw parachutes open.	14
27th Feb.	HALIFAX II DT. 641	Sgt Jensen, M.G. Sgt Ewan, G.M. Sgt Fincham, B.F. Sgt Mill, W.E. Sgt Holland, G.C. Sgt Douglas, G.L. P/S Howard, T.J.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	17.51	22.17	Successful. Mining in area of FRISIAN ISLANDS with 2 x 1,000-lb. mines. No cloud, visibility 4 miles. Target identified by run from SIMONSAND. Mined on ETA. One parachute seen to open.	
27th Feb.	HALIFAX II DT. 672	P/O C.R. Porter Sgt Butinger, A.T. P/S Keen, E. Sgt Lantigne, G.J. Sgt Bishop, M.W. Sgt London, D. Sgt Taylor, A.H.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M.U. Gunner Rear Gunner	17.55	22.08	Successful. Mining in area of FRISIAN ISLANDS with 4 x 1,500-lb. mines. Good visibility, no clouds, but slight haze. Pinpoint obtained on SIMONSAND. Parachutes seen to open.	
27th Feb.	HALIFAX II DT. 646	Sgt Bakewell, I. P/S Scowen, D.D. P/S Marvel, J.E. Sgt Bennett, J.A. Sgt Turner, A.C. Sgt Morrison, S.R. P/S Couper, J.R.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.26	22.39	Successful. Mining in area of FRISIAN ISLANDS with 4 x 1,500-lb. mines. No cloud, heavy haze, visibility moderate. Pinpoint obtained on SIMONSAND. Parachutes seen to open.	

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DETAIL OF WORK CARRIED OUT

By No. 419 (RCAF) SQUADRON

SECRET

PAGE No. 16

(9512) Wt. 945-95 50,000 lbs U.S. 700

FOR THE MONTH OF FEBRUARY 1945

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
27th Feb.	HALIFAX II DT.616	Sgt Gray, M.F. F/S Hancock, C.O. F/O H.J. McInool Sgt Low, G.M. Sgt Wilby, G. Sgt Braniff, W.S. F/S Harling, R.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.25	--	This aircraft was mining in the area of the FRISIAN ISLANDS with 4 x 1,500-lb. mines. After partly completing the operation, this aircraft developed engine trouble and the crew were forced to "ditch" in the sea. A Sea Search carried out on the morning of 28th Feb. succeeded in locating the dinghy with all of the crew, uninjured, who were brought safely back. It was subsequently ascertained that an engine had been hit by flak, resulting in failure of the hydraulic system, and the bomb doors would not close. One mine had been laid, and the aircraft was doing another "run" to complete the sortie when the action took place.	14
27th Feb.	HALIFAX II DT.619	Sgt McIntosh, J. Sgt Mellin, A. Sgt Keary, R.M. Sgt Russam, A.G. Sgt Grogan, A.D. Sgt Doe, R.M. Sgt Dunbar, G.L.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.00	22.00	This aircraft was attacked by an Enemy Fighter while carrying out mining operations in the area of the FRISIAN ISLANDS. 4 x 1,500-lb. mines. Aircraft badly damaged by cannon fire and flak, which killed the Rear Gunner and Flight Engineer and badly wounded the Navigator. The Captain made a successful forced landing at R.A.F. Station, COLTISHALL, with three mines on board. Remainder of the crew uninjured.	
28th Feb. - 1st Mar.	HALIFAX II W.7817	Sgt Maddock, J.T. F/O P. Campbell. F/S Keon, S. F/S McArthur, R.M. Sgt Gocher, A.M. Sgt Peacock, F. F/S Goring, C.A.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.18	00.51	Successful. Target ST. MAZLAIRE with 2 x 1,000-lb. G.P., 810 x 4-lb. and 32 x 50-lb. incendiaries. Visibility clear apart from haze. Bombed on P.F.F. marker-flares but results not seen. The attack appeared to be highly successful. P.F.F. markers well laid and the flares were concentrated, being fireproof over aiming-point. Whole town appeared to be ablaze.	
28th Feb. - 1st Mar.	HALIFAX II DT.600	F/O L.P. Ainsworth Sgt Simpson, A. Sgt Oldman, J.K. Sgt Lagdon, S.A. Sgt Ebbers, R. Sgt Clinie, W. Sgt Blount, B.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.18	01.09	Successful. Target ST. MAZLAIRE with bomb load as above. No cloud, visibility good apart from smoke. Dock area identified visually. Bombed on red P.F.F. markers. Results of own bombing not seen.	15
28th Feb.	HALIFAX II DT.646	Sgt Palmer, J. Sgt Walsh, R. F/O I. Brown Sgt Needy, R. Sgt Simonett, W.A. Sgt Ratelle, R.R.L. Sgt Gearing, A.J.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.09	18.40	Unsuccessful. Target ST. MAZLAIRE with bomb load as above. Developed oil leak while circling aerodrome after take-off. All bombs jettisoned "safe", locally.	

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DATE 1945	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
28th Feb- 1st Mar.	HALIFAX II DT.654	Sgt Harrison, P.S. P/S Fitzpatrick, C.P. Sgt Ford, E.J.A. Sgt Emery, R.W. Sgt Foster, D.J. Sgt Duff, J.O. Sgt Morgan, E.A.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.17	01.14	Successful. Target ST. NAZAIRE with 2 x 1,000-lb. G.P.s, 810 x 4-lb. and 32 x 50-lb. incen- diaries. No cloud but ground haze. Bombed on green P.F.F. flares. Results not observed.	
28th Feb- 1st Mar.	HALIFAX II DT.672	Sgt Jackson, T.E. P/S Carlton, J.M. P/S Fry, J.R. Sgt Crandell, T.M. Sgt Sebastian, C.J. Sgt Wury, E. P/S Storts, H.C.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.09	00.49	Successful. Target ST. NAZAIRE with bomb load as above. No cloud but haze, no smoke screen. Green P.F.F. flares in bombight. One bomb seen to burst. All dock area, particularly, seemed ablaze. Town area well sprinkled with fires.	
28th Feb- 1st Mar.	HALIFAX II DT.617	S/L D.H. Kenney Sgt Kocher, G.J. Sgt Doonan, H. P/O W.G. Rice Sgt Goodman, G.W. P/O H.T. MacDonald Sgt Batkin, W.C. G/C A.D. Ross	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner Second Pilot	18.11	00.41	Successful. Target ST. NAZAIRE with bomb load as above. Hazy, no cloud, but much smoke. Bombed on red P.F.F. markers. Results not observed. Fires could be seen from the north French coast.	15
28th Feb- 1st Mar.	HALIFAX II DT.616	P/O C.E. Porter Sgt Budinger, A.T. Sgt Gravelot-Chapman, P.S. Sgt Lantaigne, G.J. Sgt Bishop, W.W. Sgt London, D. P/S Taylor, A.H. P/O H.H. Keddie	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner Second Pilot	18.16	00.35	Successful. Target ST. NAZAIRE with bomb load as above. Visibility good, no cloud, but heavy haze. Bombed on red P.F.F. flare markers. Results not observed.	
28th Feb- 1st Mar.	HALIFAX II DT.669	P/O J.D. Dickson P/O H. Cabel Sgt Harris, A.C. Sgt Bright, F.D. Sgt Allen, J.G. P/O R.J. Wagner Sgt Weeks, J.H.	Captain Navigator Bomb Aimer W/Op.A.G. Flight Eng. M-U Gunner Rear Gunner	18.14	00.26	Successful. Target ST. NAZAIRE with bomb load as above. Visibility good, hazy but no cloud. Bombed on P.F.F. marker flares. Results not observed. Glow of fires seen from a distance of 66 miles.	