

OPERATIONS RECORD BOOK

APPENDIX "A"

A.F.
FORM 541.

DETAIL OF WORK CARRIED OUT

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

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Form 541-1-42 (Rev. 1-42) 6-20-42 1-1-42 T.A. 700

FOR THE MONTH OF AUGUST, 1943

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
2/3rd. August	HALIFAX II JD. 382	P/O H.R.F. Evans P/O R.A. MacKenzie P/O L.D. Swinerton Sgt. Brooks, W.E. Sgt. Bolton, W.F. Sgt. Greenall, W.F. Sgt. Duncan, B.J.	Pilot Navigator Bomb Aimer W/Op. AG F/Eng. 2nd Gunner Rear Gunner	22:42	05:47	Successful. Target HAMBURG with 2 X 1000 lb., 48 X 30 lb. and 630 X 4-lb. incendiaries; Target identified by glow through cloud. No PFF flares seen.	A-712
2/3rd. August	HALIFAX II JD. 158	S/Ldr. S.A. McMurdy P/O W.C. Beaman Sgt. Woods, R.J. Sgt. Rawlings, T. Sgt. Yackison, F. Sgt. Peterkin, F.W.	Pilot Navigator Bomb Aimer W/Op. AG F/Eng. 2nd Gunner Rear Gunner	22:43	04:59	Unsuccessful. Target HAMBURG with 2 X 1000 lb., 48 X 30 lb. and 630 X 4 lb. incendiaries. Returned early owing to bad weather. Furthest point reached 53:25 N. 09:10 E.	A-712
2/3rd. August	HALIFAX II JB. 900	F/Sgt. Peikin, S.T. P/O P.J. Sparkes Sgt. Gilroy, J.A. Sgt. Price, H. Sgt. Baker, H.G. Sgt. Davis, F.P. Sgt. Rams, G.C.	Pilot Navigator Bomb Aimer W/Op. AG F/Eng. 2nd Gunner Rear Gunner	22:30	03:08	Unsuccessful. Target HAMBURG with bombload as above. Returned early owing to bad weather, furthest point reached 53:25 N. 09:10 E.	A-713
2/3rd. August	HALIFAX II JD. 257	Sgt. BERTON, J.H. Sgt. Parker, C.F. Sgt. Jerome, O. Sgt. Lloyd, D.A. Sgt. Dixon, K. Sgt. Savage, L. Sgt. Morris, H.U.	Pilot Navigator Bomb Aimer W/Op. AG F/Eng. 2nd Gunner Rear Gunner	22:48	03:00	Unsuccessful. Target HAMBURG with bombload as above. Returned early owing to bad weather. Furthest point reached 54:24 N. 05:43 E. Couldn't get above 14,000 feet and was 30 minutes late.	A-714
2/3rd. August	HALIFAX II BS. 376	F/Lt. W.H. Keddie P/O F.S. Bair P/O A.S. Winkill Sgt. Volurn, C.S. Sgt. Kirkham, E.H. Sgt. Hunt, G.S. P/O R.J. Wagner F/Sgt. Cook, D.T.	Pilot Navigator Bomb Aimer W/Op. AG F/Eng. 2nd Gunner Rear Gunner 2nd Pilot	22:29	04:54	Unsuccessful. Target HAMBURG with bombload as above. Returned early. Furthest point reached 53:15 N. 09:30 E., within 4 miles of target, returned owing to impenetrable cloud.	A-715
2/3rd. August	HALIFAX II JD. 323	P/O H.A. Hewitt P/O F.R. Judah P/O M.A. Lee Sgt. Salaba, J.J. Sgt. Edmundson, J. Sgt. Griffiths, W.F. Sgt. Broadhurst, J.W.	Pilot Navigator Bomb Aimer W/Op. AG F/Eng. 2nd Gunner Rear Gunner	22:44	03:23	Unsuccessful. Target HAMBURG with bombload as above. Returned early from position 54:19 N. 06:35 E., owing to cloud blocking track. Jettisoned full load at 01:36 hours 54:32 N. 05:50 E.	A-716

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
2/3rd. August	HALIFAX II JD 391	F/O S.M. Heard Sgt. Walter, G.S. Sgt. McSwain, F.O. Sgt. Newbon, J.J. Sgt. Hays, G. Sgt. Thompson, D. Sgt. Daly, W.V.	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner	22:51	04:05	Unsuccessful. Target HAMBURG with 2 X 1,000 lb., and 48 X 30 lb., 630 X 4 lb. incendiaries. Returned early due to cloud from 53:45 N. 00:32 E.	A-717
2/3rd. August	HALIFAX II JD 204	F/O Wm. Hamilton F/O K.L. Kyle F/O J.R. Dale Sgt. Gray, A.A. Sgt. McSwain, J. Sgt. Griffin, J. Sgt. Sakalowski, A.	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner	22:35	05:13	Successful. Target HAMBURG with bombload as above. Visibility nil. Reflection of scattered fires seen before bombing bombed on E.T.A. Scattered fires seen through break.	A-718
2/3rd. August	HALIFAX II DT 731	F/Sgt. Dembassoff, T. Sgt. Garrett, E. Sgt. Davis, J. Sgt. Marshall, H. Sgt. West, E.A. Sgt. Murke, L. Sgt. Pilon, J.	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner	22:20	05:02	Successful. Target HAMBURG with bombload as above. Visibility nil. Target identified by fires on ground reflecting in clouds. Much lightning over T.A.	A-719
2/3rd. August	HALIFAX II JD 270	Sgt. Sengwa, W.D.L. Sgt. Birch, G.F. Sgt. Winters, F.O. Sgt. Duggan, L.E. Sgt. Mulvaney, J.W. Sgt. Scharf, R.W. Sgt. Ross, R.E.	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner	22:28	05:06	Unsuccessful. Target HAMBURG with bombload as above. Returned early from 53:13 N. 09:57 E. Track blocked by cumulus up to 25,000 feet, and icing. Bombs jettisoned 15 minutes before ETA.	A-720
2/3rd. August	HALIFAX II JD 381	F/O D.D. Laidlaw F/O Wm. Rempel F/O R.W. Kemp Sgt. Davis, R. Sgt. Ashton, J.N.S. Sgt. Miller, A.S. Sgt. Richards, W.A.	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner	22:46	04:39	Unsuccessful. Target HAMBURG with bombload as above. Returned early from 53:56 N. 00:30 E. Could not penetrate cloud; Bombs jettisoned safe.	A-721
2/3rd. August	HALIFAX II JD 210	Sgt. Allan, F.S. F/O J.B. Harris F/O R.W. Burns Sgt. Slappy, A.R. Sgt. Nuttall, H. Sgt. Kilpatrick, J.H. Sgt. Hudson, H.J.	Pilot Navigator Bomb Aimer W/Op AG F/Eng. C. 2nd Gunner Rear Gunner	22:33	23:49	Unsuccessful. Target HAMBURG with bombload as above. Furthest point reached 54:55 N. 00:41 W. Port outer engine cut and feathered.	A-722

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By No. 419 (RCAF) Squadron

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(1941) WL 988-66 60000 541 T.S. 790
(1934-1937) WL 988-66 1028 1247 T.S. 790

FOR THE MONTH OF AUGUST 1941

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
2/3rd. August	HALIFAX II 796 <i>PT</i>	Sgt. Sobin, J.S. P/O J. Schelde Sgt. Mahoney, J.M. Sgt. Morrow, A.W. Sgt. Horwill, R.E. Sgt. Sadleir, J. Sgt. McGarty, D.S.	Pilot <i>D/D</i> Navigator <i>Pow</i> Bomb Aimer <i>Pow</i> W/Op AG <i>Pow</i> F/Eng. <i>DB</i> 2nd Gunner Rear Gunner	22:22	—	This aircraft took off to attack HAMBURG with 2 X 1,000 lb., 48 X 30 lb. and 630 X 4 lb. incendiaries. Nothing further was heard from the aircraft after take-off, and its failure to return must be presumed to be due to enemy action.	A-723
2/3rd. August	HALIFAX II JB 965	Sgt. Methers, R.L. Sgt. Chiswell, A.B. Sgt. Edwards, B. Sgt. Kelsall, H.B. Sgt. Ollard, C.H. Sgt. Godfrey, N.S. Sgt. Marritt, R.H.	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner	22:17	04:50	Unsuccessful. Target HAMBURG with bombload as above. Returned early from 53:09 N. 09:43 E. Jettisoned load at 02:06 hours, 19,000 feet, 53:09 N. 09:43 E., 11500. Thick cloud up to 25,000 feet or higher, with lightning. Impossible to penetrate.	A-724
2/3rd. August	HALIFAX II JD 325	Sgt. Oultee, G.M. P/O W.S. Hendry Sgt. Hay, W.E. Sgt. Norman, P.A. Sgt. Childs, F.C. Sgt. Barnes, W.H. Sgt. Booth, N.A.	Pilot Navigator Bomb Aimer W/Op AG 2nd Gunner Rear Gunner F/Eng.	22:26	04:43	Unsuccessful. Target HAMBURG with bombload as above. Returned early from 53:27 N. 09:08 E. On-run hooking track, could not penetrate. Jettisoned full load at 01:59 hours, 20,000 feet, 53:27 N. 09:08 E. (11500.)	A-725
9/10th August	HALIFAX II JD 382	P/O H.E.F. Dyer P/O R.A. MacKenzie P/O L.E. Swannerton Sgt. Brocks, W.E. Sgt. Sutton, W.F. Sgt. Greenall, J.F. Sgt. Bannon, M.J.	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner	22:32	06:26	Successful. Target MANNHEIM with 2 X 1,000 lbs. and 48 X 30 lb., 630 X 4 lb. incendiaries. Target identified by green and yellow T.I. markers. Bombed centre of fires. Window effective. Glow of fires could be seen by 80-100 miles away on way out.	A-726
9/10th August	HALIFAX II JD 358	S/Ldn. G.A. McMurdy P/O W.C. Coleman P/O S.N. Beauchamp Sgt. Woods, R.J. Sgt. Rawlings, T. Sgt. Tackless, F. Sgt. Peterkin, F.W.	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner	22:37	05:23	Successful. Target MANNHEIM with bombload as above. 3/10th layer cloud with smoke below, clear above. Only green T.I. seen and fires; bombed on T.I. Windows all dropped but had no effect on Monica. PFF concentrated. No yellow T.I. observed.	A-727
9/10th August	HALIFAX II JD 210	P/O A.H. Shackle P/O L.E. Aspinall P/O G.B. Graham P/Sgt. Mitchell, F. Sgt. Martin, L.F. Sgt. Lewis, A.J. P/O H.W. Smith P/O H.L. Shackleton	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner 2nd Pilot	22:19	06:03	Successful. Target MANNHEIM with bombload as above. 5/10th cloud, tops about 7,000 feet. Target identified by green and yellow T.I.s. Yellow T.I.s in bombight. Window dropped as ordered. Fires seemed to be gaining in intensity as aircraft was leaving target.	A-728

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
9/10th August	HALIFAX II JD 257 (F)	F/O M.R. Ludlow F/O G.A. Wright Sgt. MacLaren, A.S. Sgt. Smith, D.R. Sgt. Scott, W.L. Sgt. See, D.R. Sgt. deMolton, W.D.	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner	22:47	--	This aircraft took off to attack MANNHEIM with 2 X 1,000-lb; and 48 X 30-lb; 630 X 4-lb-incendiaries. Nothing further was heard from the aircraft after take-off, and its failure to return must be presumed to be due to enemy action.	A-729
9/10th August	HALIFAX II BB 376	F/Lt. Wm. Keddle F/O P.S. Hair F/O L.S. Winstkill Sgt. Gobum, C.S. Sgt. Kirkham, E.R. Sgt. Hurst, G.A. W/O R.J. Wagon F/Sgt. Cook, D.T.	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner 2nd Pilot	22:27	06:06	Successful. Target MANNHEIM with bombload as above. Target identified by green TI markers, no yellow seen. Green TI markers in bombsight. Window dropped before correct position. Scattered large fires seen over quite a large area. PFF good.	A-730
9/10th August	HALIFAX II JD 331	F/Lt. R.J. Corcoran W/O MacKenzie, A.J. F/O L.G. Webley W/O d'Arenberg, H. Sgt. Allen, J.C. Sgt. Venier, J.T. F/O D.E. Lantier	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner	22:35	05:40	Successful. Target MANNHEIM with bombload as above. Target identified by yellow TI and fires. Yellow TI's in bombsight. Very well concentrated attack. S/W'd not very accurate or numerous over T/A. Cloudy en route, thin patches of cloud, tops about 18,000 feet.	A-731
9/10th August	HALIFAX II JB 965	Sgt. Methral, R.K. Sgt. Goswell, A.B. Sgt. Edwards, E. Sgt. Keisally, H.B. Sgt. Bellard, C.H. Sgt. Mendenhall, J.L. Sgt. Harritt, R.H.	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner	22:14	06:46	Successful. Target MANNHEIM with bombload as above. Target indicated by yellow and green TI's. Yellow markers in bombsight. One burst seen in concentration of yellow markers. Windows all dropped except 1 pit. Concentrated fires seen over A/P, but scattered over large area apart from that. Terrific explosion seen on run up to target.	A-732
9/10th August	HALIFAX II DT 731	F/Sgt. Doubasack, W. Sgt. Gargett, E. Sgt. Davis, J. Sgt. Marshall, H. Sgt. West, D.W. Sgt. Murie, R. Sgt. Pilon, J.	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner	22:42	05:54	Successful. Target MANNHEIM with bombload as above. 8/10th visibility - good apart from cloud tops which were about 18,000 feet. Green markers seen on bombing run, but no markers seen when bombing. Fires in bombsight.	A-733
9/10th August	HALIFAX II JD 163	F/Sgt. Stewart, H. F/O R.M. James Sgt. Cleveland, D.A. Sgt. Mahley, A. Sgt. Penny, H.R. Sgt. Northcliffe, L. Sgt. Garland, A.D.	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner	22:17	05:48	Successful. Target MANNHEIM with bombload as above. Target identified by yellow and green TI's. Bombed concentration of ground markers. Target well alight and one large explosion seen on arrival at T/A.	A-734

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APPENDIX "A"

A.F. FORM 541

DETAIL OF WORK CARRIED OUT

By Nos. 419 (R.C.A.F.) Squadrons

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1941: Wk. 345-35 60,000 544, T.S. 700
1942-43: Wk. 931-943 1,000 1,000 T.S. 700

FOR THE MONTH OF AUGUST 19 43.

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
9/10th August	HALIFAX II JD. 114	Sgt. McInnes, J. P/O G.J.M. Harvey Sgt. Kemp, R.H. Sgt. Ransom, A.D. Sgt. Mulholland, H.S. T/Sgt. Braniff, M.S. Sgt. Doe, K.N. Sgt. Ballis, H.L.	Pilot Navigator Bomb-Aimer W/Op AG F/Eng 2nd Gunner REAR GUNNER 2nd Pilot	22:24	05:34	Successful. Target MANNHEIM with 2 X 1,000 lb. and 48 X 30 lb., 630 X 4 lb. incendiaries. 5/10th cloud in layers of 2,000 feet thick with clear patches at about 1800 feet. On target observed yellow TI bursting above cloud. Large fire burning for about 5/10 minutes observed at West of target.	A-735
9/10th August	HALIFAX II JD. 270	Sgt. Cameron, W.D.J. Sgt. Birch, G.E. Sgt. Wintress, V.J. Sgt. Duggan, L.H. Sgt. Mulhany, P.T. Sgt. Scharf, D.W. Sgt. Boos, H.L.	Pilot Navigator Bomb-Aimer W/Op AG F/Eng 2nd Gunner Rear Gunner	22:22	06:34	Successful. Target MANNHEIM with bombload as above. Fires, green TI and Target visible from 75 miles away. One large explosion and several small seen between 01:43 and 01:52 hours. Target seemed well alight on departure.	A-736
9/10th August	HALIFAX II JB. 900	F/Sgt. Pokin, E.T. P/O R.L. Sparkes Sgt. Givary, J.E. Sgt. Price, H. Sgt. Baker, H.C. Sgt. Davy, P.P. Sgt. Rams, S.C.	Pilot Navigator Bomb-Aimer W/Op AG F/Eng 2nd Gunner Rear Gunner	22:51	02:41	Unsuccessful. Target MANNHEIM with bombload as above. Returned early—furthest point reached 50 deg. 22' N., 12,000 feet, at 00:31 hours. Rear Turret u/s. Jettisoned all bombs and incendiaries at 50 deg. 52' N., 00 deg. 13' E.	A-737
9/10th August	HALIFAX II JD. 410	Sgt. Allan, F.F. P/O J. E. Harris P/O R.W. Burke Sgt. Slaney, A.R. Sgt. Nuttall, H. Sgt. Kilpatrick, J.H. Sgt. Hudson, H.J.	Pilot Navigator Bomb-Aimer W/Op AG F/Eng 2nd Gunner Rear Gunner	22:49	05:44	Successful. Target MANNHEIM with bomb load as above. Thick cloud all the way with occasional breaks over target. Tops 10/12,000 feet. Green TI, fires and s/l's seen. Green TI in bombight. Results not observed. Great number of small fires very dispersed.	A-738
9/10th August	HALIFAX II JD. 355	P/O J.A. Westland P/O J.E. Hall P/O J.W. Galvin Sgt. Reed, W. Sgt. Davies, H.C. P/Sgt. Stewart, R. Sgt. Atkinson, W.	Pilot Navigator Bomb-Aimer W/Op AG F/Eng 2nd Gunner Rear Gunner	22:44	05:50	Successful. Target MANNHEIM with bomb load as above. No smoke and clear above. Fires and green TI seen before arrival and some fire burning as briefed. Bombed green TI 1-1,000 lb. MC and .025 TD hung-up and jettisoned at 50:05M. 04:35 E. 17 or 18 large fires counted and a large explosion seen at 01:56 hours after leaving target. TI well concentrated.	A-739
9/10th August	HALIFAX II JD. 204	P/O W.H. Hamilton P/O M.L. Riley P/O J.E. Hale Sgt. Stamp, L.G. Sgt. Molman, J. Sgt. Griffin, E. Sgt. Bartolucci, A.	Pilot Navigator Bomb-Aimer W/Op AG F/Eng 2nd Gunner Rear Gunner	22:40	06:10	Successful. Target MANNHEIM with bomb load as above. No TI seen until after bombing. Target recognised by fires. Bombed centre of fires. Town observed before arrival under layer of cloud. Fires burning fiercely. Explosions observed at 01:48 and 01:49. Fires seemed brighter on departure.	A-740

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Date	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
10/11th August	HALIFAX II JD 382	P/O H.B.F. Byer P/O B.A. MacKenzie P/O L.B. Somerton Sgt. Brooks, W.E. Sgt. Bolton, W.F. Sgt. Greenall, J. Sgt. Duncan, E.F.	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner	21:22	06:45	Successful. Target NURENBERG with 1 X 1,000 lb. MG., 40 X 30 lb., and 450 X 4 lb. incendiaries. 9/10 layer cloud with tops at 10,000 feet. Target identified by green markers which were in bombight. Good fires started which were visible 100 miles away. Aircraft landed at Stanton Harcourt.	A-741
10/11th August	HALIFAX II JD 158	F/Sgt. Cook, D.T. P/O C.W. Songer Sgt. Campbell, H.H. Sgt. Packer, E.J. Sgt. Simpson, A. Sgt. Potter, M. Sgt. Robertson, D.W.	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner	21:28	06:35	Successful. Target NURENBERG with bombload as above. 8/10th cloud, with tops about 10,000 feet. Target identified by green PFF markers which were in bombight. Bombs seen to explode in target area. Scattered fires observed but very fierce in centre of town. Some explosions seen in T/A. Aircraft landed at EASTMOOR.	A-742
10/11th August	HALIFAX II JB 900	F/Sgt. Feldin, S. P/O F. J. Sparke Sgt. Gilvary, J.K. Sgt. Price, H. Sgt. Baker, M.A. Sgt. Davis, F.E. Sgt. Ross, E.G.	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner	21:22	05:28	Successful. Target NURENBERG with bombload as above. Broken cloud encountered en route, with large sheet of cloud over target, with tops 18,000 feet. Saw green TI cascading 5/6 minutes before reaching target. Bombed on glow of fires. Very scattered fires observed, cloud obscured definite results, but dull glow could be seen through cloud. Aircraft landed at CHURCH LAWFORD.	A-743
10/11th August	HALIFAX II ME 376	F/Lt. W.H. Reddie P/O F.S. Hair P/O A.S. Winkill Sgt. Bright, T.J. Sgt. Kirkham, E.R. Sgt. Hurst, G.A. P/O B.L. Kenyon	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner	21:31	06:16	Successful. Target NURENBERG with bombload as above. 10/10th cloud, with tops 13,000 feet. Target identified by green markers seen to cascade. Concentration of fires in bombight. Cloud prevented observation. All bombs seen to explode. Attack scattered. Fires observed from a distance of 60 miles. Aircraft landed at EASTMOOR.	A-744
10/11th August	HALIFAX II JB 929	P/O Morrison, J.R. P/O H.G. Andrews P/O E.A. Hieland Sgt. Touche, W.K. Sgt. Looney, H. Sgt. Johnson, R.E. Sgt. Lusk, J.H.	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner	21:30	06:20	Successful. Target NURENBERG with bombload as above. 7/10th cloud with tops at 10,000 feet. Target identified by green markers. Bombs not seen to explode. Well dispersed fires observed which seemed to be catching hold. Aircraft landed at EASTMOOR.	A-745
10/11th August	HALIFAX II JD 331	F/Lt. D.J. Cresswell P/O MacKenzie, A.J. P/O D.O. Wetley P/O J. A. Spang, H. Sgt. Allen, J.C. Sgt. Venier, J.T. P/O D.E. Larlee	Pilot Navigator Bomb Aimer W/Op AG F/Eng. 2nd Gunner Rear Gunner	21:27	05:50	Successful. Target NURENBERG with bombload as above. 8/10th cloud with tops at 10,000 feet. No TI seen at all on target. Fires seen below cloud and fire concentration bombed. Glow of fire could be seen from east N. of NURENBERG. One engine cut over Nurnburg and all instruments failed including GEE. Two SOBs were sent from LE HAVRE but neither appear to have been received. Aircraft landed at WEST HALLING.	A-746

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(Form 541) W.L. 541-1-36 6x10 244 T.R. 700
(Form 541) W.L. 541-1-36 1024 1247 T.R. 700

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
10/11th August	HALIFAX II JD. 204	P/O W.H. Hamilton P/O E.L. Riley P/O J.R. Dale Sgt. Ross, T. Sgt. Holman, E. Sgt. Griffin, E. Sgt. Bastaluzzi, A.	Pilot Navigator Bomb Aimer W/Op AG F/Eng 2nd Gunner Rear Gunner	21:29	06:06	Successful. Target NURENBERG with 1 X 1,000 lb. MC, and 40 X 30 lb. and 150 X 15. incendiaries. 9/10ths cloud, with tops 10/12,000 feet. Target identified by green markers. Concentration of fires in bombight. Bombs not seen to explode due to cloud. Aircraft landed at EASTMOOR.	A-747
10/11th August	HALIFAX II JD. 859	F/Sgt. Doubassoff, T. Sgt. Gargath, E. Sgt. Davis, J. Sgt. Marshak, H. Sgt. West, D.A. Sgt. Curtis, K. Sgt. Pilon, J.	Pilot Navigator Bomb Aimer W/Op AG F/Eng 2nd Gunner Rear Gunner	21:34	06:26	Successful. Target NURENBERG with bombload as above. 10/10ths cloud with tops 12,000 feet. No EFP markers seen. Concentration of fires in bombight. Own bombs not seen to explode. Scattered attack, but numerous fires not taken hold. Aircraft landed at EASTMOOR.	A-748
10/11th August	HALIFAX II JD. 163	F/Sgt. Stewart, R. P/O E.E. James Sgt. Cleveland, D.A. Sgt. Hilly, A. Sgt. Wemy, H.H. Sgt. Northcliffe, L. Sgt. Guxford, A.D.	Pilot Navigator Bomb Aimer W/Op AG F/Eng 2nd Gunner Rear Gunner	21:13	06:25	Successful. Target NURENBERG with bombload as above. Weather conditions good. Target identified by EFP markers. Own bombing not observed. Other bombs seen bursting at run-up and leaving. Aircraft landed at TOPCLIFFE.	A-749
10/11th August	HALIFAX II JD. 114	Sgt. McIntosh, J. P/O G.J.M. Harvey Sgt. Gray, R.M. Sgt. Benson, A.D. Sgt. Mulholland, E.S. F/Sgt. Swiniff, H.S. Sgt. Doe, R.H.K. F/Lt H.L. Shackleton	Pilot Navigator Bomb Aimer W/Op AG F/Eng 2nd Gunner Rear Gunner 2nd Pilot	21:19	05:37	Successful. Target NURENBERG with bombload as above. 8 to 10/10ths cloud. Target identified by 21 green markers. Bombed on EFA, but no results observed. Aircraft landed at LINTON.	A-750
10/11th August	HALIFAX II JD. 381	P/O D.D. Laidler P/O E.E. Rempel P/O R.W. Kemp Sgt. Brakes, E. Sgt. Ashton, JNS Sgt. Milner, A.S. Sgt. Bachand, J.G.	Pilot Navigator Bomb Aimer W/Op AG F/Eng 2nd Gunner Rear Gunner	21:30	06:00	Successful. Target NURENBERG with bomb load as above. 8/10ths cloud, tops 12/15,000 feet. Green T.I. markers seen to cascade. Reflection of Green markers in cloud. Scattered reflection of fires seen on cloud which prevented correct observations. Finsel okay, Monica okay. Windows distributed. Could not observe results of attack.	A-751
10/11th August	HALIFAX II JD. 210	F/Lt A.N. Quail P/O L.E. Reynolds P/O D.T. Smith F/Sgt. Mitchell, F. Sgt. Macdon, L.J. Sgt. Leslie, A.J. P/O H.F. Smith Sgt. Baskin, H.L.	Pilot Navigator Bomb Aimer W/Op AG F/Eng 2nd Gunner Rear Gunner 2nd Pilot	21:18	06:52	Successful. Target NURENBERG with bombload as above. 10/10ths cloud with tops 14/12,000 feet. Green EFP markers observed, seen to cascade. Green markers in bombight. Own bombs not seen to explode. Attacks were scattered at first, but appeared to be more concentrated after leaving target. One large red explosion seen after leaving target. Aircraft landed at EASTMOOR.	A-752

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
10/11th August	HALIFAX II JD.430	Sgt. Allan, W.P. P/O J.R. Harris P/O R.W. Burke Sgt. Blaney, E.R. Sgt. Huttick, H. Sgt. Kilpatrick, J.H. Sgt. Hanson, H.O.	Pilot Navigator Bomb Aimer W/Op AG P/Eng 2nd Gunner Rear Gunner	21:26	06:15	Successful. Target NURENBERG with 1 x 1,000 lb. M.C., 40 x 30 lb. and 450 x 4 lb. incendiaries. 9/10ths cloud with tops 10,000 feet. Target identified by green markers. Bombs not seen to explode. Well dispersed fires seemed to be catching hold observed. Smoke seen up to 10,000 feet. Fires seen from 100 miles away. Aircraft landed at EASTMOOR.	A-753
10/11th August	HALIFAX II JB.965	Sgt. McPherson, R.K. Sgt. Ormswelly, A.D. Sgt. Edwards, B. Sgt. Kelsall, H.E. Sgt. Pollard, G.H. Sgt. Herdier, F.H. Sgt. Marriott, R.H.	Pilot Navigator Bomb Aimer W/Op AG P/Eng 2nd Gunner Rear Gunner	21:11	05:00	Successful. Target NURENBERG with bombs and incendiaries above. Visibility good, clouds 8,000 feet over target to 12,000 feet. Bomb bright light seen through clouds. Glow of fires seen through bomb-sight. Fires seemed to be getting good hold as aircraft was leaving target. Defences negligible over NURENBERG. Aircraft landed at WEST MALLING.	A-754
10/11th August	HALIFAX II JD.385	F/O J.A. Westland P/O J.H. Hall P/O J.H. Galyon Sgt. Beer, W. Sgt. Davies, H.G. W/Sgt. Elouat, R. Sgt. Atkinson, W.C.	Pilot Navigator Bomb Aimer W/Op AG P/Eng 2nd Gunner Rear Gunner	21:24	06:14	Successful. Target NURENBERG with bombs as above. 9 to 10/10ths cloud with tops 10,000 feet. Target identified by green EFP markers. Scattered generally. Bomb seen to explode among fires. Good fire observed in centre of town. Aircraft landed at EASTMOOR.	A-755
10/11th August	HALIFAX II DR.602	Sgt. Gimson, W.D.L. Sgt. Birch, G.R. Sgt. Whittier, W. J. Sgt. Higgins, L.H. Sgt. Mullany, J.T. Sgt. Schary, B.W. Sgt. Ross, R.E.	Pilot Navigator Bomb Aimer W/Op AG P/Eng 2nd Gunner Rear Gunner	21:15	06:50	Successful. Target NURENBERG with bombs as above. 9/10ths cloud with tops 12,000 feet. Target identified by green markers and concentrated fires. Own bombs seem to explode. Several large fires seen fairly close together. Aircraft landed at EASTMOOR.	A-756
12/13th August	HALIFAX II DR. 73ts	F/Sgt. Doubessart E. Sgt. Sargent, E. Sgt. Davis, J. Sgt. Marshall, R. Sgt. West, D.A. Sgt. Hurle, R. Sgt. Pilon, J.	Pilot Navigator Bomb Aimer W/Op A.G. Flt. Eng. 2nd Gunner Rear Gunner	20:50	06:35	Successful. Target MILAN with 1x1,000-lb. M.C., 40x30-lb., and 450x4-lb. incendiaries. Visibility good en-route to target. Cumulus cloud forming to the south east of target with tops 12/15,000 feet. Green markers in bombight. Own bombs observed to burst. Small fires fairly well concentrated seen burning.	A-757
12/13th August	HALIFAX II JD.163	F/Sgt. Stewart, E. F/O. E.E. Jones Sgt. Cleveland, R.A. Sgt. Mahler, A. Sgt. Penny, E.R. Sgt. Northcliffe, L. Sgt. Curran, A.E.	Pilot Navigator Bomb Aimer W/Op A.G. Flt. Eng. 2nd Gunner Rear Gunner	20:40 06:40	06:45	Successful. Target MILAN with bomb load as above. Visibility good. Storm to N.E. twenty miles away drifting toward target. Target identified by green P.F.F. flames and picked up commentator, although indistinctly. Green markers in bombight. Own burst observed on green marker. Fires observed concentrated around markers. HHEE.	A-758

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES	
				Up	Down			
12/13th. August.	HALIFAX II JD 114	Sgt. McIntosh J. P/O. G. J. M. Harvey Sgt. Leary R.H. Sgt. Hansen A.D. Sgt. McMillan H.S. Sgt. Brewitt H.S. Sgt. Roe K.H.	Pilot Navigator Bomb Aimer W/O. A.G. 2nd. Gunner 2nd. Gunner	20:46	06:27	9:43	Successful. Target MILAN with 1 x 1,000-lb. H.C. 40 x 30-lb. and 400 x 4-lb. incendiaries. Visibility very good, no cloud. Target identified by P.L. Yellow markers and some back-up P.L. Green markers. P.L. yellow markers in bombight. Several fires observed. Aircraft landed at BIFFORT.	A-765
12/13th. August.	HALIFAX II JD 210	P/O. A.H. Quille P/O. L.E. Angdall P/O. G.E. Graham P/Sgt. Mitchell P. Sgt. Martin J.F. Sgt. Lewis A.J. P/O. H.P. Smith Sgt. MacQueen G.H.	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner 2nd. Pilot.	20:43	06:30	9:47	Successful. Target MILAN with bomb load as above. No cloud over MILAN. Visibility good. Target identified by Red and Green Markers and ground detail. Green P.L. markers in bombight. Aircraft landed at TOPINFE.	A-766
12/13th. August.	HALIFAX II JD 420	P/O. J.A. Bushman P/O. G.S. Hall P/O. J.W. Galvin Sgt. Ross W. Sgt. Davis H.G. Sgt. Stewart B. P/O. L.J. Wagner	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	21:09	06:51	9:42	Successful. Target MILAN with bomb load as above. No cloud over target, visibility good. Bombed on P.L. markers and on H.T.A. Smoke observed in centre of green markers. Concentrated bombing started and fire. Aircraft landed at POULINTECH.	A-767
12/13th. August.	HALIFAX II JD 410	Sgt. Allen F.E. P/O. F.H. Harris P/O. L.L. Burke Sgt. Slony A.H. Sgt. Nuttall R. Sgt. Kilpatrick J. Sgt. Nelson H.J.	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	21:01	06:23	9:24	Successful. Target MILAN with bomb load as above. Visibility good, with 1/10th light cloud. Target identified by green P.L. markers and visual detail. Green markers in bombight. Aircraft landed at HOUNSOMPTON.	A-768
12/13th. August.	HALIFAX II JD 965	Sgt. Mathew R.E. Sgt. O'Donnell A.M. Sgt. Murray B. Sgt. McLeall H.B. Sgt. McLeod C.H. Sgt. Macdonald J.L. Sgt. Harriott R.H.	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	20:42	06:31	9:49	Successful. Target MILAN with bomb load as above. No cloud but slight haze with bright moon. Target identified by Green P.L. markers and ground detail. Yellow P.L. markers in bombight. Several good fires observed in target area and plenty of smoke.	A-769
12/13th. August.	HALIFAX II JD 325	P/O. R.H. Laddin P/O. R.W. Kemp Sgt. Drake B. Sgt. Ashton J.H. Sgt. Miller A.G. Sgt. Mackenzie J.G.	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	20:52	07:02	10:10	Successful. Target MILAN with bomb load as above. 1/10th cloud with haze at 5,000 feet, BRIGHT MOON Target identified by Red and Green markers. Green P.L. markers in bombight. Many fires observed which appeared to be concentrated. Large explosion at target. MILAN and huge explosions seen at TURIN about same time. cloud encountered all the way to French Coast.	A-770

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
12/13th August	HALIFAX II HE. 689	Sgt. Cameron W.D.L. Sgt. Hirston G.E. Sgt. Finlayson V.J. Sgt. Duggan L.H. Sgt. Mallory J.T. Sgt. Scharr D.V. Sgt. Ross R.E.	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd Gunner Rear Gunner	20:44	07:40	Successful. Target MILAN with 1 x 1,000-lb. M.C. 40 x 30-lb and 150 x 4-lb. incendiaries. Smoke has encountered otherwise visibility clear, clouds to south East. Target identified by RED RED Yellow and Green T.L. Green T.L. in bombight. Fires observed on arrival well Alight and smoke rising to 8,000 feet.	A-771
17/18th August	HALIFAX II JD. 382	P/O. McConachie A.J. P/Sgt. Harris A.C. W/O. d'Ayres H. Sgt. Allen J.O. Sgt. Vander J.T. P/O. D.E. Lariss	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd Gunner Rear Gunner	21:18	04:48	Successful. Target FRENCHMAN with 2 x 1,000-lb M.C., 8 x 500-lb. M.C. Smoke and cloud obscured visibility somewhat. Green markers in bombight. One bomb burst observed in W/L. Aircraft landed at WEST WICKHAM.	A-772
17/18th August	HALIFAX II JD. E.H. 456	P/Sgt. Deuchamart T. Sgt. Gargatt E. Sgt. Davie D. Sgt. Marshall H. Sgt. West D.A. Sgt. Nield R. Sgt. Pilon J.	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd Gunner Rear Gunner	21:44	05:25	Successful. Target FRENCHMAN with 630 x 4-lb incendi. and 4 x 30-lb incendi. Visibility good, no cloud or smoke observed. Green markers in bombight. Many large fires and much smoke seen. Aircraft landed at STRATHMILL.	A-773
17/18th August	HALIFAX II JD. 458	P/Sgt. Potts S.S.T. P/O. P.J. Spackes Sgt. Gilchrist J.E. Sgt. Baker E.C. Sgt. Davis E.B. Sgt. Ross R.E.	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd Gunner Rear Gunner	21:40	D/D.	This aircraft took off to attack FRENCHMAN. Target FRENCHMAN with bomb load as above and nothing has since been heard from it	A-774
17/18th August	HALIFAX II JD. 458	P/O. S.M. Ross Sgt. Walter S.S. 2nd Sgt. McQueen F.G. Sgt. Nathan L.J. 2nd Sgt. Ryle G. Sgt. Thomson B. Sgt. Dally E.F. 2nd Sgt. Macpherson R.H.	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd Gunner Rear Gunner 2nd Pilot	21:27	D/D.	This aircraft took off to attack FRENCHMAN with 2 x 1,000-lb M.C. and 8 x 500-lb M.C. and has not since been reported.	A-775
17/18th August	HALIFAX II JD. 457	P/Sgt. Cook R.T. P/O. G.V. Fonger Sgt. Campbell H.H. Sgt. Foster R.J. Sgt. Simpson E. Sgt. Sullivan R.W.G. Sgt. Robertson D.W.	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd Gunner Rear Gunner	21:35	05:36	Target FRENCHMAN with 630 x 4-lb and 40 x 30-lb incendiaries. Thin cloud encountered and much smoke and haze. Green markers in bombight. Very good fires well concentrated all over area observed. Aircraft landed at STRATHMILL.	A-776

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
17/10th August	HALIFAX II BB. 376	F/O. W. R. Keadie F/O. F. S. Reid Sgt. A. S. Whiskell Sgt. Ralph J. J. Sgt. Klinton H. E. Sgt. Frank G. Sgt. R. J. Wagner F/O. R. S. Brown	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner 2nd. Pilot	21:15	05:30	Successful. Target FREEDBURG with 2x1,000-lb M.C. 2x500-lb. M.C. 2/10ths cloud over target. Good concentration of all areas observed. Aircraft landed at CASHE CAMP.	A-777
17/10th August	HALIFAX II JB. 929	F/O. R. A. Rowley F/O. F. E. Jubah F/O. R. A. Lee Sgt. Ralph J. J. Sgt. Raymond J. Sgt. Clifford F. W. Sgt. Frederick J.	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	21:35	05:14	Successful. Target FREEDBURG with bomb load as above. Visibility good, 1/10ths cloud. Numerous fires observed well concentrated. Aircraft landed at STRADINALL.	A-778
17/10th August	HALIFAX II JD. 204	F/O. W. E. Hamilton F/O. E. L. Hiley F/O. R. E. Dale Sgt. Ray P. Sgt. Norman F. Sgt. Martin F. Sgt. Herbert A.	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	21:31	05:19	Successful. Target FREEDBURG with 5000-lb. and 4x30-lb incendiaries. No cloud but much smoke encountered Green markers in bombight. Well concentrated fires observed Aircraft landed at STRADINALL.	A-779
17/10th August	HALIFAX II DE. 734	F/O. Morrison J. E. F/O. K. I. Anderson F/O. K. I. Holland Sgt. Francis W. E. Sgt. Lewis R. Sgt. Johnson L. E. Sgt. York J. E.	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	21:37	04:57	Successful. Target FREEDBURG with 2x1,000-lb M.C. 2x500-lb M.C. Little cloud encountered. Target not observed, bright moon. Green F.I. in bombight. The whole target area appeared to be ablaze. Many bomb explosions seen. Target area very lightly shrouded.	A-780
17/10th August	HALIFAX II JB. 763	Sgt. Robertson J. E. Sgt. Parker G. F. Sgt. James G. J. Sgt. Elton D. A. Sgt. Dixon R. J. Sgt. Payne L. F. Sgt. Martin R. V.	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	21:25		This aircraft took off to attack FREEDBURG with 2x1,000-lb M.C. and 2x500-lb M.C. Last position of aircraft was when it was given a second class fire from HILL at 04:00hrs. 18/8/45 position 57° 51' N. 03° 05' W. nothing further has been heard from it since that time.	A-781
17/10th August	HALIFAX II JD. 114	Sgt. Hamilton J. F/O. White R. L. Sgt. Kemp R. M. Sgt. James L. D. Sgt. Malcolm R. E. F/O. R. S. Brown Sgt. Dave R. H.	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	21:40	05:53	Successful. Target FREEDBURG with 2x1,000-lb M.C. and 2x500-lb M.C. 2 = 4/10ths cloud encountered from 2 = 5,000 feet. Visibility moderate. Many fires observed all over 2/4. Aircraft landed at CASHE CAMP.	A-782

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				UP	DOWN		
17/18th August	HALIFAX II JD. 270	Sgt. Cameron V.D.L. Sgt. Macdon G.H. Sgt. Winstanley W.J. Sgt. Suggs L.H. Sgt. Maloney J.P. Sgt. Schart R.W. Sgt. Ross R.E.	Pilot Navigator Bomb Aimer W/Opt. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	21.20	05.13	Successful. Target FRENCHMERE with 2x1,000-lb and 8x500-lb M.C. 5/10ths cloud and haze, visibility moderate well concentrated fires and explosions observed. Aircraft landed at STRADISHALL.	A-783
17/18th August	HALIFAX II JD. 459	Sgt. Stewart B. P/O. R.E. James Sgt. McMillan D.A. Sgt. Ashley A. Sgt. Tenny M. Sgt. Northcliffe L. Sgt. Gerrard A.E.	Pilot Navigator Bomb Aimer W/Opt. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	21.29	04.52	Successful. Target FRENCHMERE with bomb load as above. 3/10ths cloud above 10,000 feet and slight haze S.E. markers in bombight. Several fires observed all over target area. One large explosion seen. Aircraft landed at STRADISHALL.	A-784
17/18th August	HALIFAX II JD. 210	P/O. A.E. Quaille P/O. G.E. Graham Sgt. Deane K.L.J. Sgt. Martin L.F. Sgt. Lewis A.J. P/O. H.V. Smith	Pilot Navigator Bomb Aimer W/Opt. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	21.10	05.07	Successful. Target FRENCHMERE with bomb load as above. 6/10ths cloud at 4,000 feet. moonlight above Green T.I. and fires in bombight. Three distinct concentrations of fires observed coinciding with three aiming points. Large explosion observed in air at about 00.54 hours. More opposition from Flak than expected. Aircraft landed at CHIRSWORTH.	A-785
17/18th August	HALIFAX II JD. 420	P/O. J.A. Westland P/O. J.B. Hall P/O. J.W. Galvin Sgt. Beer V. Sgt. Davies H.C. Sgt. Lloyd R. Sgt. Atkinson V.S.	Pilot Navigator Bomb Aimer W/Opt. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	21.33	05.45	Successful. Target FRENCHMERE with 6x500-lb and 4x30-lb incendiaries. Little cloud, visibility good. Green markers in bombight. Well concentrated fires observed all over target area. Aircraft landed at STRADISHALL.	A-786
17/18th August	HALIFAX II JD. 262	Sgt. McShane E.L. Sgt. Chiswell A.D. Sgt. Edwards B. Sgt. McNeill T.B. Sgt. Fullard G.H. Sgt. Macrae J.L. Sgt. Harriott R.H.	Pilot Navigator Bomb Aimer W/Opt. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	21.07	05.50	Successful. Target FRENCHMERE with 2x1,000-lb and 8x500-lb M.C. 7/10ths cloud, visibility moderate. T.I. markers in bombight. Many large fires and several explosions observed. Aircraft landed at BASSINGBOURNE.	A-787
17/18th August	HALIFAX II JD. 323	Sgt. Coullie G.H. P/O. W.E. Hainey Sgt. May V.E. Sgt. Adams J.A. Sgt. Booth R.A. Sgt. Child F.G. Sgt. Adams W.E. Sgt. Marjoram G.H.	Pilot Navigator Bomb Aimer W/Opt. A.G. Flt. Eng. 2nd. Gunner Rear Gunner 2nd. Pilot.	21.22	04.44	Successful. Target FRENCHMERE with bomb load as above. 5/10ths cloud at 5,000 feet. Also industrial haze. Markers in bombight. Several large fires seen especially in industrial establishments. Defences over target negligible. 8/10ths used to aid fighter combats in target area. Aircraft landed at STRADISHALL.	A-788

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
22/23rd August	HALIFAX II JB-582	P/O H.R.P. Ryan P/O R.A. Macdonald P/O L.A. Macdonald Sgt. Brown, W.E. Sgt. Wilson, W.J. P/Sgt. Givensall, J. Sgt. Brown, E.J.	Pilot Navigator Bomb Aimer W/Opt.A.C. Flight Eng. 2nd Gunner Rear Gunner	20.02	02.26	Successful. Target LEVERHURST with 1 X 2,000 lb. H.C., and 48 X 30 lb. L.G., and 630 X 1 & 18. 12000 ft. 10/10ths cloud encountered, ceiling below and 5/10ths above. Bombed green markers. Motion, Final and Windows checked. Complete check in clouds since to see if any target and 1000 ft. was observed in 1/4 on leaving.	A-789
22/23rd August	HALIFAX II JB-456	P/O R.T. Brown P/O L. Lambie P/Sgt. FISHER, F. Sgt. Green, F.J. Sgt. Macdonald, W. P/O H.M. Willard Sgt. Turbett, S.G.	Pilot Navigator Bomb Aimer W/Opt.A.C. Flight Eng. 2nd Gunner Rear Gunner	20.18	02.46	Unsuccessful. Target LEVERHURST with bombed as above. Aircraft returned early from 55-41'N. 00.27'E. 15,000 feet at 22.00 hours, when port inner engine became U/R. All bombs jettisoned safe.	A-790
22/23rd August	HALIFAX II JB-457	P/Sgt. Cook, D.P. P/O G.N. Fungus Sgt. Campbell, H.E. Sgt. Taylor, H.J. Sgt. Simpson, A. Sgt. Anderson, F.G. Sgt. Robertson, S.W.	Pilot Navigator Bomb Aimer W/Opt.A.C. Flight Eng. 2nd Gunner Rear Gunner	20.00	02.11	Successful. Target LEVERHURST with bombed as above. 10/10ths strata, tops 19,000 feet. Visibility good. Bomb on what appeared to be glow of fire. No results observed, but as aircraft the target incendiary bombs could be seen. Attack appeared wide spread.	A-791
22/23rd August	HALIFAX II JB-576	Sgt. White, K.E. Sgt. Robinson, J. Sgt. Macdonald, H. Sgt. Wilson, S.G. Sgt. Macdonald, H.E. Sgt. Jones, E.C. Sgt. Gifford, H.E.	Pilot Navigator Bomb Aimer W/Opt.A.C. Flight Eng. 2nd Gunner Rear Gunner	20.42	23.58	Unsuccessful. Target LEVERHURST with bombed as above. Aircraft returned early due to the compass and starboard outer engine becoming U/R. Bombs jettisoned safe.	A-792
22/23rd August	HALIFAX II JB-929	P/O R.A. Smith P/O P.E. Smith P/O H.E. Lee Sgt. Salton, F.J. Sgt. Macdonald, J. Sgt. Griffiths, F.E. Sgt. Broadhurst, J.W.	Pilot Navigator Bomb Aimer W/Opt.A.C. Flight Eng. 2nd Gunner Rear Gunner	20.05	02.48	Successful. Target LEVERHURST with bombed as above. 10/10ths cloud with tops 20,000 feet. Bombed on E.T.A. No markers observed before aircraft bombed but green markers seen being dropped as aircraft leaving E.T.A.	A-793
22/23rd August	HALIFAX II JB-284	P/O S.J. Cameron P/O Macdonald, A.J. P/Sgt. Harris, A.L. P/O G. Young, R. Sgt. Allen, J.C. Sgt. Pettit, M. P/O D.E. Leslie P/O B.E. Botcher	Pilot Navigator Bomb Aimer W/Opt.A.C. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	20.15	02.17	Successful. Target LEVERHURST with bombed as above. 10/10ths cloud encountered. Reflection of green markers through cloud in bombight. Fire appeared scattered over 1/4 area, some large.	A-794

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APPENDIX "A"

A.F. FORM 541.

DETAIL OF WORK CARRIED OUT

By **No. 419 (R.G.A.F.) Squadron.**

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PAGE No. **72**

FOR THE MONTH OF **AUGUST** 19**43**

(1943) WL 9584-26 6x,000 248 T.S. 700
(1944-1945) WL 9584-26 6x,000 248 T.S. 700

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTIES	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
22/23rd August	HALIFAX II JD. 731	P/O Morrison, J.R. P/O H.G. Andrews P/O H.A. Whelan Sgt. Tomkins, F.E. Sgt. Lenny, H. Sgt. Johnson, A.E. Sgt. Lynch, J.H.	Pilot Navigator Bomb Aimer W/Ops. A.G. Flight Eng. 2nd Gunner Rear Gunner	20.08	02.57	Successful. Target LEVERKUSEN with 1x2,000-lb H.C. 48x30-lb L.C. and 630x2-lb. incendiaries. 10/10ths cloud encountered. Reflection of fires in bombight. No markers seen. Big orange explosions with huge pall of black smoke seen at 00.10 hours, one at 00.14 hours and one at 00.16 hours. Reflection of fires over target was large and fires must have been scattered.	A-795
22/23rd August	HALIFAX II JD. 113	Sgt. H.A. Goodwin Sgt. Wilson, R.G. P/O A.H. Ashford Sgt. Williams, E. Sgt. Palmer, F.E. Sgt. Walker, J.E. Sgt. Smith, T.	Pilot Navigator Bomb Aimer W/Ops. A.G. Flight Eng. 2nd Gunner Rear Gunner	20.46	02.44	Successful. Target LEVERKUSEN with bomb load as above. 10/10ths cloud with tops at 18,000 feet. EFP markers in bombight. EFP marking good but hampered by cloud; target could be seen under cloud after leaving. Large explosions seen during bombing run at 00.12 and 00.15 hours.	A-796
22/23rd August	HALIFAX II JD. 270	Sgt. Gwynne, W.M.L. Sgt. Martin, G.B. Sgt. Wainwright, V.J. Sgt. Duggan, J.M. Sgt. Whalley, J.F. Sgt. Schanz, D.H. Sgt. Moss, R.E.	Pilot Navigator Bomb Aimer W/Ops. A.G. Flight Eng. 2nd Gunner Rear Gunner	20.11	02.39	Successful. Target LEVERKUSEN with bomb load as above. Visibility fair en-route but 10/10ths cloud over target with tops about 19,000 feet. Glow of fires through clouds in bombight. Cloud obscured definite results of own bombing. Apparent concentration of fires; dull red glow seen through clouds. Target defences practically negligible.	A-797
22/23rd August	HALIFAX II JD. 433	P/O Stewart, G. P/O R.H. Jones Sgt. Cleveland, G.M. Sgt. Whalley, A. Sgt. Tomp, H.D. Sgt. Northcliffe L. Sgt. Smith, T.A.	Pilot Navigator Bomb Aimer W/Ops. A.G. Flight Eng. 2nd Gunner Rear Gunner	20.09	21.50	Unsuccessful. Target LEVERKUSEN with bomb load as above. Aircraft returned early as W/T U/S. Bombs jettisoned safe.	A-798
22/23rd August	HALIFAX II JD. 351	P/O R.H. Jackson P/O F.H. Dwyer P/O R.H. King Sgt. Roberts, G. Sgt. Anthony, R.H.S. Sgt. Miles, G.H. Sgt. Miller, A.E.	Pilot Navigator Bomb Aimer W/Ops. A.G. Flight Eng. 2nd Gunner Rear Gunner	-	-	This aircraft was detailed for a sortie against LEVERKUSEN but was cancelled before take-off, due to technical difficulties.	
22/23rd August	HALIFAX II JD. 210	Sgt. Burrows, W.E. Sgt. Ross, P. Sgt. Ross, D.H. Sgt. McKean, G.J. Sgt. Turner, G. Sgt. Spence, F.S. Sgt. Sullivan, R.W.G.	Pilot Navigator Bomb Aimer W/Ops. A.G. Flight Eng. 2nd Gunner Rear Gunner	20.14	03.01	Successful. Target LEVERKUSEN with bomb load as above. 8-9/10ths cloud with break after leaving target. Reflection of fires in bombight. Red and Green markers observed; incendiaries seen around markers and fires burning.	A-799

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
22/23rd August	HALIFAX II JD-410	Sgt. Allen, P.H. P/O J.R. Murray P/O R.C. Burke Sgt. Shaver, A.H. Sgt. Mitchell, K. Sgt. Hightwick, J.H.C. Sgt. Nelson, H.J.	Pilot Navigator Bomb Aimer W/Opt. G. Flight Eng. 2nd Gunner Rear Gunner	20.12	05.21	Successful. Target LEVERKUSEN with 1x2,000-lb. H.C. 48x30-lb L.C. and 630x-lb incendiaries. 10/10ths cloud tops 20,000 feet with a few breaks. Markers in bombsight. As aircraft neared target two Red T.I. markers observed to burst and Green T.I. could just be observed through cloud break. Many scattered fires observed.	A-800
22/23rd August	HALIFAX II JD-325	Sgt. Gendron, G.M. P/O W.L. Bentley Sgt. Brown, J.A. Sgt. Smith, R.H. Sgt. Child, R.H. Sgt. Burns, W.H. Sgt. Park, A.H.	Pilot Navigator Bomb Aimer W/Opt. G. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	20.15	02.16	Successful. Target LEVERKUSEN with bomb load as above 10/10ths cloud below and 7/10ths cloud above. Red glow in bombsight. No results of own bombing observed.	A-804
23/24th August	HALIFAX II JD-302	P/O W.L. Bentley P/O S.A. MacKinnon P/O Gibson, G.L. Sgt. Brown, H.H. Sgt. Selton, H.F. P/Opt. Greenall, J. Sgt. Brown, H.J.	Pilot Navigator Bomb Aimer W/Opt. G. Flight Eng. 2nd Gunner Rear Gunner	20.02	04.06	Successful. Target BERLIN with 1x2,000-lb H.C. 32x30-lb L.C. and 360x-lb incendiaries. Visibility clear. Markers at target seen but route markers not observed. Markers in bombsight with slight overshoot. Whole centre of Berlin covered by huge fire that was visible from a distance of 100 miles.	A-802
23/24th August	HALIFAX II JD-456	P/O W.L. Bentley Sgt. Brown, H.H. Sgt. Smith, R.H. Sgt. Child, R.H. Sgt. Burns, W.H. Sgt. Park, A.H.	Pilot Navigator Bomb Aimer W/Opt. G. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	20.07	04.33	Successful. Target BERLIN with 1x2,000-lb H.C. 32x30-lb L.C. and 360x-lb incendiaries. Visibility good and no cloud. Concentration of Green markers in bombsight. PFF good. W route markers and red spot fires seen. Smoke observed in considerable volume. Fires appeared spreading rapidly and observed from a distance of 120 miles.	A-803
24/25th August	HALIFAX II JD-457	Sgt. Brown, H.H. P/O S.A. MacKinnon P/O Gibson, G.L. Sgt. Brown, H.H. Sgt. Selton, H.F. P/Opt. Greenall, J. Sgt. Brown, H.J.	Pilot Navigator Bomb Aimer W/Opt. G. Flight Eng. 2nd Gunner Rear Gunner	20.04	05.33	Successful. Target BERLIN with bomb load as above. Buildings seen in haze, route markers and red spot fires clearly seen. Outer edge green T.I. markers in bombsight. Masses of fires observed and streets seen visible in glare. Large explosion observed at 22.30 hours, with flames up to 200 feet.	A-804
25/26th August	HALIFAX II JD-329	P/O S.A. MacKinnon P/O W.L. Bentley Sgt. Brown, H.H. Sgt. Smith, R.H. Sgt. Child, R.H. Sgt. Burns, W.H. Sgt. Park, A.H.	Pilot Navigator Bomb Aimer W/Opt. G. Flight Eng. 2nd Gunner Rear Gunner	20.14	04.02	Successful. Target BERLIN with bomb load as above. Visibility good, no cloud over target. Markers observed en-route and over target. Outer edge of concentration in bombsight. Own bursts not observed. Terrific explosion observed at 00.01 hours which lit up entire area.	A-805

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DETAIL OF WORK CARRIED OUT

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(2011) Wt. 60,000 lbs. 2000 2100 2200 2300 2400 2500 2600 2700
(2012-2011) Wt. 60,000 2100 2200 2300 2400 2500 2600 2700

FOR THE MONTH OF August, 1943.

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
23/24th August	HALIFAX II JB-331	W/O R.J. Garrahan W/O Macdonald W/O Morris, A.G. W/O Phipps, H. Sgt. Allen, J.G. Sgt. Harris, R.W.G. W/O L.S. Linton W/O L.S. Walker	Pilot Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	20.00	03.40	Successful. Target BERLIN with 1x2,000-lb H.C. 32x50-lb. L.C. and 360x-lb. incendiaries. Visibility clear but hazy on ground. Very good apart from haze. Target identified by Red and Green markers. Green T.I. markers in bombsight. Plenty of fires well concentrated.	A-806
23/24th August	HALIFAX II JB-304	Sgt. Macdonald, R.H. Sgt. Lewis, R. Sgt. Brown, H.E. Sgt. Williams, W.J. Sgt. Parker, R. Sgt. W/Investor, V.S. Sgt. Sullivan, R.W.G.	Pilot Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	20.20	03.54	Successful. Target BERLIN with bomb load as above. slight haze, buildings and streets visible. Route markers seen, also fires. Target clearly observed in S/L Cond. Green T.I. in bombsight. Fires appeared concentrated around the Green markers, and scattered incendiaries in a large area to the N.W. No explosions observed.	A-807
23/24th August	HALIFAX II JB-453	W/O Macdonald, J.G. W/O L.S. Walker W/O R.H. Wilson Sgt. Lewis, R. Sgt. Tommy, H. Sgt. Johnson A.E. Sgt. York, J.H.	Pilot Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	20.18	04.00	Successful. Target BERLIN with bomb load as above. No cloud but slight haze, moon. Target identified by markers and visually. Green T.I. markers seen in bombsight. Fair amount of fire bursting well below. Fires only starting but appeared well concentrated. One good explosion seen in N.W. corner of BERLIN at 00.08 hours. PFF excellent.	A-808
23/24th August	HALIFAX II BK-270	Sgt. Macdonald, R.H. Sgt. Williams, A.D. Sgt. Brown, H.E. Sgt. Collins, H.B. Sgt. Walker, G.H. Sgt. Mariner, J.L. Sgt. Morris, J.H.	Pilot Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	20.40	04.35	Successful. Target BERLIN with 1x1,000-lb H.C. 40x 36-lb L.C. 450x-lb incendiaries. Visibility very good, perfect conditions over T.I. Target identified by markers, which were in bombsight. Attack appeared highly concentrated. Two large explosions observed in T.I. while aircraft making bombing run. Weather conditions ideal.	A-809
23/24th August	HALIFAX II HB-376	W/O L.S. Walker W/O L. Linton W/O Phipps, H. Sgt. Brown, J.J. Sgt. Macdonald, R. Sgt. Parkin, R.G. W/O G.S. Willard	Pilot Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	20.13	04.42	Successful. Target BERLIN with 1x2,000-lb. H.C. 32x50-lb L.C. and 360x-lb incendiaries. Visibility good en route, route markers seen. Green markers in bombsight. Fires appeared well concentrated over quite small area. No large explosions observed.	A-810
23/24th August	HALIFAX II JB-334	W/O L.S. Walker Sgt. Brown, R.G. W/O A.S. Ashford Sgt. Williams, H. Sgt. Palmer, H.B. Sgt. Walker, J.W. Sgt. Norton, T.	Pilot Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	20.35	03.45	Successful. Target BERLIN with bomb load as above. Visibility very good over target. Heavy icing encountered on way out over North Sea. Target identified by red and Green markers en route and fires in target area. Green T.I. in bombsight. Large explosion observed as aircraft leaving target at 00.04 hours. Fires still seen as aircraft homeward-bound over coast.	A-811

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
23/24th August	HALIFAX II JD. 459	F/Sgt. Stewart, R. P/O R.S. James Sgt. Cleveland, D.A. Sgt. Ashley, A. Sgt. Kenny, R.S. Sgt. Northcote, L. Sgt. Sealand, H.A.	Pilot Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	20.23	05.27	Successful. Target BERLIN with 1x2,000-lb H.C. 32x 30-lb Inc. and 360x-lb incendiaries. Visibility heavy but no cloud. Target identified by red and green markers in bombsight. Large orange explosion observed at 23.50 hours. Aircraft encountered icing conditions on way to target and bombed five minutes late.	A-812
23/24th August	HALIFAX II JD. 270	Sgt. Cameron, W.H. Sgt. Birch, G.R. Sgt. Watson, V.J. Sgt. Duggan, L.H. Sgt. Williams, J.T. Sgt. Schart, D.V. Sgt. Ross, R.L.	Pilot Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	20.26	04.45	Successful. Target BERLIN with bomb load as above. Good visibility but hazy. Target identified by red and green markers and fires. Large concentration of fires observed, one very large fire with flames to 100 feet.	A-813
23/24th August	HALIFAX II JD. 381	P/O R.S. James P/O R.S. James P/O R.S. James Sgt. Ashby, J.N. Sgt. Hillier, A.L. Sgt. Holt, S.M.	Pilot Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	20.38	06.20	Successful. Target BERLIN with bomb load as above. 3/10ths thin Cumulus and visibility good but hazy. Target identified by markers. Markers in bombsight. Attack seemed well concentrated, many bombs observed bursting on sizzling point. Fires appeared to be getting well started. Two very big white explosions in 5/4 seen at 00.06 hours and one red/orange explosion observed when going in at 23.50 hours near sizzling point.	A-814
23/24th August	HALIFAX II JD. 228	P/O A.W. Quinlan P/O L.B. Appleby Sgt. Doms, L.S. Sgt. Martin, L.F. Sgt. Hurst, G. P/O L.S. Smith Sgt. Ross, R.L.	Pilot Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner Sgt Pilot	20.32	04.29	Successful. Target BERLIN with bomb load as above. Good visibility weather perfect over target. Target identified and the concentration of fires and explosions markers in bombsight. Markers in bombsight. Attack appeared well concentrated. Fires had obtained good hold and one explosion observed lasting for about half a minute. Very excellent.	A-815
23/24th August	HALIFAX II JD. 110	Sgt. Allen, V.L. P/O J.B. Morris P/O R.S. Burns Sgt. Shoop, A.E. Sgt. Nuttall, H. Sgt. Williams, J.T. Sgt. Adams, H.J.	Pilot Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	20.17	05.17	Successful. Target BERLIN with bomb load as above. Visibility excellent. 3/10ths strata-Cumulus from 8,150,000 feet on route. Quite clear over target. Target identified by markers which were in bombsight. Fires well concentrated around markers, two or three quite large ones observed. One very large explosion seen on run into target south of A.P. at 23.59 hours.	A-816
23/24th August	HALIFAX II JD. 385	Sgt. Gordon, S.M. P/O V.S. Murray Sgt. Ag. V.H. Sgt. Brown, V.A. Sgt. Scott, H.J. Sgt. Child, F.G. Sgt. Brown, V.H. Sgt. Hamilton, J.G.	Pilot Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	20.29	05.42	Successful. Target BERLIN with bomb load as above. Broken cloud 1/10th. Target identified by markers. Target well covered with large concentrations of fires, heavy smoke observed up to 5,000 feet.	A-817

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A.F. FORM 541

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(111) W.P. 500-5 6000 541 U.S. 700
(110-111) W.P. 500-541 1000 541 U.S. 700

FOR THE MONTH OF August 1945

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		REFERENCES
				Up	Down	
27/28th August	HALIFAX II JD. 382	P/O H.E. Bray P/O R.A. Macdonald P/Sgt. Oldham, J.E. Sgt. Brooks, V.E. Sgt. Bidson, V.F. P/Sgt. Greenall, J. Sgt. Duncan, E.J.	Pilot Navigator Bomb Aimer W/Opt.A.C. Flight Eng. 2nd Gunner Rear Gunner	20.37	05.28	Successful. Target HUNTERS with bombload as above. Visibility good, no cloud over target. Target identified by red T.I. on route and FFF markers. Bombed the outer edge of concentration of green T.I. Special Tinsel used - nothing occurred. Motion appeared to give a different "pop" for R/L. Window dropped as ordered. At 23.57 hours near SAARBRUCKEN, port outer engine went U/B, but was feathered. Bombed on three engines at 2,000 feet and maintained this height back to base.
27/28th August	HALIFAX II JD. 456	P/Sgt. Dehmann, E. Sgt. Gurgott, E. Sgt. Davis, J. Sgt. Marshall, H. Sgt. West, D.L. Sgt. Smith, E. Sgt. Miles, J. Sgt. Kelly, J.	Pilot Navigator Bomb Aimer W/Opt.A.C. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	20.52	05.21	Successful. Target HUNTERS with bombload as above. Visibility good, no cloud over target. Target identified by green T.I. and R. of G. R. of G. heard. Green T.I.s in beamlight (T.I.s in straight line). Tinsel working satisfactorily. Special Tinsel jamed 06.20/06.20 hours on target area. Fires only just seen getting hold as aircraft left. Fires seemed to be scattered and smoke rising.
27/28th August	HALIFAX II JD. 465	Sgt. White, L.F. Sgt. Matthews, J. Sgt. Hamilton, G. Sgt. Robbins, E.G. Sgt. Williams, H.K.G. Sgt. Jones, E.S. Sgt. Conway, R.S.	Pilot Navigator Bomb Aimer W/Opt.A.C. Flight Eng. 2nd Gunner Rear Gunner	20.42	04.52	Successful. Target HUNTERS with bombload as above. Visibility perfectly clear. Bombed concentration of green T.I. Did not use Tinsel or special Tinsel, Monica U/B. Window dropped as ordered. Arrived on exact T.O.T., saw red markers but had to wait to emit green markers. Aircraft landed at SAARBRUCKEN.
27/28th August	HALIFAX II JD. 466	W/O Matthews, J.E. P/O M. Ashburn P/O R.A. Macdonald Sgt. Douglas, V.E. Sgt. Leamy, E. Sgt. Johnson, A.R. Sgt. Lyth, J.E.	Pilot Navigator Bomb Aimer W/Opt.A.C. Flight Eng. 2nd Gunner Rear Gunner	20.44	05.26	Successful. Target HUNTERS with bombload as above. Visibility good, no cloud over target. Target identified by red and green T.I., yellow flares and visually. Far edge of green T.I.s in beamlight. Bombed the X four 1lb. incendiaries hung up. Tinsel and special Tinsel jamed, Monica U/B. Window dropped as ordered. Fires just taking hold and concentrated around markers.
27/28th August	HALIFAX II MS. 376	P/O H.E. Bray P/O L. Lushor P/Sgt. Oldham, J.E. Sgt. Green, P.J. Sgt. Macdonald, R. Sgt. Brown, E. P/O G.K. Hillard	Pilot Navigator Bomb Aimer W/Opt.A.C. Flight Eng. 2nd Gunner Rear Gunner	20.40	06.01	Successful. Target HUNTERS with bombload as above. Visibility good, no cloud over target. Target identified by red T.I. on route and FFF markers. Bombed the outer edge of concentration of green T.I. Special Tinsel used - nothing occurred. Motion appeared to give a different "pop" for R/L. Window dropped as ordered. At 23.57 hours near SAARBRUCKEN, port outer engine went U/B, but was feathered. Bombed on three engines at 2,000 feet and maintained this height back to base.
27/28th August	HALIFAX II JD. 929	P/O H.E. Bray P/O F.K. Finch P/O H.L. Lee Sgt. Solala, J.J. Sgt. Williamson, J. Sgt. Griffiths, F.E. Sgt. Broadhurst, J.W.	Pilot Navigator Bomb Aimer W/Opt.A.C. Flight Eng. 2nd Gunner Rear Gunner	20.35	05.05	Successful. Target HUNTERS with bombload as above. Visibility good, no cloud in T/A. Identified by red and green T.I. markers and fires. Bombed northern end of T.I. markers. One fairly large fire and numerous small ones observed as result of own bombing. Tinsel not used, Special Tinsel jamed for about four minutes only once. Monica okay. Window distributed as ordered.

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
27/28th August	HALIFAX II JD 351	F/O H.E. Hetherington Sgt. Johnson, R.E. Sgt. Wilson, J.A. Sgt. Dingle, B. F/O H.E. Hetherington Sgt. Turbutt, R.E. Sgt. Hill, T.M.	Pilot Navigator Bomb Aimer W/O p.A.C. Flight Eng. 2nd Gunner Rear Gunner	20.46	05.15	Successful. Target NUMBUNG with 2 x 2,000 lb. H.C. 32 x 30 lb. L.C. and 32 x 30 incendiaries. Visibility good, no cloud. Target identified by T.L. markers, green markers in bushlight. Slightly obscured as green markers were fading. Numerous concentrated fires noted. Tinsell and Special Agent not used. Bombs effective, tinsell distributed as ordered.	A-82
27/28th August	HALIFAX II JD 204	Sgt. Hamilton, J.G. Sgt. Rogers, R. Sgt. Elroy, R.E. Sgt. Wilson, R.E. Sgt. Wilson, R.E. Sgt. Wiggins, W.E. Sgt. Harris, R.E.	Pilot Navigator Bomb Aimer W/O p.A.C. Flight Eng. 2nd Gunner Rear Gunner	20.48	05.11	Successful. Target NUMBUNG with bushlight as above. Visibility good, no cloud over target, a little cloud over NUMBUNG. Red, yellow and green markers and sticks of tinsell used over target. Green markers in bushlight. Tinsell effective. Bombs effective, tinsell distributed as ordered.	A-82
27/28th August	HALIFAX II JD 164	F/O H.E. Hetherington Sgt. Clewley, R.E. Sgt. Hetherington, R.E. Sgt. Tomp, R.E. Sgt. Northcliffe, J. Sgt. Garland, R.E.	Pilot Navigator Bomb Aimer W/O p.A.C. Flight Eng. 2nd Gunner Rear Gunner	20.41	04.32	Successful. Target NUMBUNG with bushlight as above. Visibility good with 2/10ths cloud. Target identified by red and green markers and buildings could be seen. Bushlight centre of concentration of green T.L. markers. Tinsell used 23.15 hours, jammed for two minutes on 4200 Kcs., 23.39 hours jammed for one minute on 4200 Kcs. Window working okay, Window dropped as ordered. After aircraft left target area a few large fires observed with minor bang. Large orange explosion seen at 00.37 hrs.	A-82
27/28th August	HALIFAX II JD 134	Sgt. Marjoram, R.E. Sgt. Lewis, P. Sgt. Hetherington, W.F. Sgt. Fisher, R. Sgt. Hetherington, V.E. Sgt. Sullivan, R.W.	Pilot Navigator Bomb Aimer W/O p.A.C. Flight Eng. 2nd Gunner Rear Gunner	20.50	01.18	Successful. Target NUMBUNG with bushlight as above. Returned early, from position 49.50'N. 01.25'E 22.44 hours 14,000 feet. Full load jet-fueled live at 50.25'N. 00.55'E. 23.06 hours 14,000 feet. Obtained three unreliable gas flaps and being five minutes late on concentration points, not certain of position, within thirty miles of track, thought it wise to continue, so returned.	A-82
27/28th August	HALIFAX II JD 270	Sgt. Cameron, W.D.L. Sgt. Birch, G.E. Sgt. Williams, Y.H. Sgt. Rogers, R.E. Sgt. Wilson, R.E. Sgt. Hetherington, R.E. F/O H.E. Hetherington	Pilot Navigator Bomb Aimer W/O p.A.C. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	20.36	05.35	Successful. Target NUMBUNG with bushlight as above. Visibility good, no cloud over T/A but some smoke from fires. On route both ways patches of weather closed. Target identified by S.L. markers and flares, markers in good concentration. Bombed on outside of green T.L. markers. Window okay, Window okay, Window dropped as ordered. About twenty large fires with orange flame observed, twenty to thirty small fires seen.	A-82
27/28th August	HALIFAX II JD 459	F/O H.E. Hetherington Sgt. Gibson, R.C. F/O A.H. Ashford Sgt. Williams, R. Sgt. Wilson, R.E. Sgt. Walker, J.W.	Pilot Navigator Bomb Aimer W/O p.A.C. Flight Eng. 2nd Gunner Rear Gunner	20.47	05.04	Successful. Target NUMBUNG with bushlight as above. Visibility good, no cloud, and built up area seen in bushlight. Target identified by red T.L. on route, 00.15 T.L. markers and finally green T.L. Green T.L. outside edge of concentration in bushlight. Window not working on Window or T/A which were too far away. Window dropped as ordered. Target appeared well alight with fire, chiefly concentrated west of green S.L. Fire very large flame seen rising up a lot of smoke up to 20,000 feet.	A-82

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A.F.
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By No. 19 (R.C.A.F.) Squadron.

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(2021) Wk 9025-25 60,000 21st I.S. 700
(1944-2011) Wk 9143-2525 20th I.S. 700

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
27/28th August	HALIFAX II JD, 361	F/O B.D. Laidlaw F/O W.R. Rempel F/O R.W. Kemp Sgt. Brooks, E. Sgt. Ashton, J.H.S. Sgt. Mills, S.T. Sgt. Miller, A.S. Sgt.	Pilot Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	20.38	04.58	Successful. Target HUNTERS with 1 X 2,000 lb. H.C., 32 X 30 lb. L.C. and 360 X 4 lb. incendiaries. Visibility good, 1/10th cloud over target at 6,000 feet. Target identified by red T.I. on approach and green T.I. over target. Bombed outer of concentration of green markers. Flamed at 23.05 hrs. for six five mins. Jammed R/T at 1300 Km. Munition U/S, Windows dropped as ordered. Fires just starting.	
27/28th August	HALIFAX II JD, 420	Sgt. Mallis, H.L. Sgt. Turner, A.H. Sgt. Balqvist, E.H. Sgt. Bennett, R. Sgt. Ferguson, D. Sgt. Buchanan, F. Sgt. Pether, R.	Pilot Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	20.43	05.53	Successful. Target HUNTERS with bombed as above. Visibility on route 3/4 10ths cloud, over target open and clear. Identified target by green T.I. markers which were in bombight. Flamed working satisfactory, Munition effective. Windows dropped at correct position through one ply. Attack appeared concentrated, fires getting good hold.	A-631
27/28th	HALIFAX II JD, 410	Sgt. Allen, F.B. F/O J.M. BERRY F/O R.W. Duche Sgt. Slaney, A.R. Sgt. Mitchell, H. Sgt. Kilpatrick, J.M. Sgt. Nelson, H.J.	Pilot Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner	20.45	05.17	Successful. Target HUNTERS with bombed as above. Visibility perfect, slight haze. Route averaged 1/10ths or less at 10,000 feet. Target identified by red markers on white, red and yellow markers, and streaks of flames and green markers over target. Bombed when eastern edge of green T.I. markers in bombight as instructed by H. of C. Munition U/S, Windows dropped as ordered. Fires concentrated over large area, six large fires seen slightly west of T.I.	A-632
27/28th August	HALIFAX II JD, 325	Sgt. Coulter, G.M. F/O W.S. Hendry Sgt. Ray, W.H. Sgt. Norman, J.A. Sgt. Booth, H.L. Sgt. Child, F.G. Sgt. Brown, W.L. F/O J.L. Stuber	Pilot Navigator Bomb Aimer W/O A.G. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	20.53	05.01	Successful. Target HUNTERS with bombed as above. Visibility good, no cloud, much smoke over T.I. Target identified by red and green T.I., buildings seen in gas flashes. Centre of green T.I. in bombight. Flamed from 23.25 hours, jammed for ten mins. at 2700 Km. Special flamed used 3600 A-633 Km. from 23.56 to 02.20 hours. Munition working okay, Windows dropped as ordered. Fires appeared getting good hold, large explosion under green T.I. just before 00.37 hours.	A-633
30/31st August	HALIFAX II JD, 382	Sgt. Hamilton J.G. Sgt. Roper, R. Sgt. Gray H.R. Sgt. Spinks R.S. Sgt. Vickers J.G. Sgt. Higgins W.H. Sgt. Harris R.W.G.	Pilot Navigator Bomb Aimer W/O A.G. Flt. Eng. 2nd Gunner Rear Gunner	23.07	05.06	Successful. Target HUNTERS-GLASBACH with 2 X 1000 lb. H.C. 48 X 30 lb. L.C.s, 630 X 4 lb. incendiaries. 4/10ths thin cloud, visibility good through gap. Target bombed, two large fires and several smaller fires observed around green markers.	A-634
30/31st August	HALIFAX II JD, 456	F/O B.L. Betcher Sgt. Johnson E.H. Sgt. Darlow J.A. Sgt. Denny R. Sgt. Baylis R.G. Sgt. Turbitt D.G. Sgt. Robb T.L.	Pilot Navigator Bomb Aimer W/O A.G. Flt. Eng. 2nd Gunner Rear Gunner	23.00	05.39	Successful. Target HUNTERS-GLASBACH with bombed as above. Visibility fair, cloud below 5/10ths. Green markers in bombight. Scattered fires seen although cloud obscured any definite results.	A-635

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
30/31st August	HALIFAX II JD.453	Sgt. White K.P. Sgt. Robbins J. Sgt. Sandell Sgt. Higgins E.C. Sgt. Perkins R.E.C. Sgt. James R.C. Sgt. Godfrey M.S.	Pilot Navigator Bomb Aimer W/Ops. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	23.10	06.08	Successful. Target MERRIM-GLADWICH with 2 x 1000 lb. M.C., 40 x 10 lb. T.I. and 250 x 4 lb. incendiaries. 3/10ths cloud. Bombed concentration of green markers. Target area well marked and lit up by flares which could be observed 30 miles from target on way to base. At 02.35 hours the rear gunner observed reflection in clouds of flames from a large explosion.	A-836
30/31st August	HALIFAX II JD.456	W/O. Morrison J.R. W/O. M.C. Andrews P/O. R.A. Haldred P/Sgt. Tountie H.R. Sgt. Leoney H. Sgt. Johnson A.R. Sgt. Lynt J.H.	Pilot Navigator Bomb Aimer W/Ops. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	23.08	05.09	Successful. Target MERRIM-GLADWICH with bombload as above. 7/10ths cloud approximately 10,000 feet. One very large patch over target. Green markers in hundreds. Bands of orange smoke not observed. About six large fires seen around markers, others observed scattered over large area. Ten large green explosions observed as aircraft approached target area.	A-837
30/31st August	HALIFAX II JD.457	Sgt. Peir A.R. Sgt. Chapman G.H. Sgt. Renner W.F. Sgt. Boyd E.L. Sgt. Whitebottom G. Sgt. Beach G.H. Sgt. Paddison R.E.	Pilot Navigator Bomb Aimer W/Ops. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	23.06	05.56	Successful. Target MERRIM-GLADWICH with bombload as above. Patch cloud at 12,000 feet blowing across target. Red and green T.I.'s seen on approach. Bombed on green T.I.'s to the north but there were green T.I.'s to the south. Scattered attack with many small incendiary fires. Two lots of green T.I. observed at 02.30 hours. Heavy flak appeared intense below aircraft's nose banking run at about 15,000 feet, but on actual attack it was negligible.	A-838
30/31st August	HALIFAX II JD.252	W/O. H.T. Brown W/O. Leeshko P/Sgt. Finzer P.S. P/Sgt. Green J.J. Sgt. McDonald V. Sgt. Brown H. W/O. G.H. Hillard	Pilot Navigator Bomb Aimer W/Ops. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	23.05	05.00	Successful. Target MERRIM-GLADWICH with bombload as above. Cloud 3/10ths intensity. Green T.I. markers and fires seen. Bombed concentration of T.I. Clusters of small fires spread out from indicated target area observed. After leaving target glow from fires on the clouds could be seen for fifty miles. Light from two or three explosions seen reflected on the clouds.	A-839
30/31st August	HALIFAX II JD.254	P/O. Corcoran D.J. W/O. MacKenzie A.G. W/O. L.C. Nohlay W/O. S'young H. Sgt. Nevins G.V. Sgt. Campbell J.H. W/O. D.E. Larkes Sgt. Kelly J.	Pilot Navigator Bomb Aimer W/Ops. A.G. Flt. Eng. 2nd. Gunner Rear Gunner 2nd. Pilot.	23.19	05.12	Successful. Target MERRIM-GLADWICH with bombload as above. 5/10ths strata cumulus, visibility good. Bombed on green T.I. markers. Northern end of target burning well but southern A.P. appeared scattered. Searchlights ineffective owing to clouds.	A-840
30/31st August	HALIFAX II JD.254	W/O. H.H. Hamilton W/O. E.L. Riley W/O. J.L. Dale Sgt. May T. Sgt. Moran J. Sgt. Griffin E.H. Sgt. Bortoluzzi A.	Pilot Navigator Bomb Aimer W/Ops. A.G. Flt. Eng. 2nd. Gunner Rear Gunner.	23.47	05.37	Successful. Bomb load as above Target MERRIM-GLADWICH 2/4-10ths strata cumulus, 10/42,000 feet, visibility good, red and green T.I. markers and fires seen. Bombed on Green T.I. markers. Scattered fires all over T/A. but none concentrated on northern sector. Defences in T/A slight, light smoke in northern zone. W/A burning well but fairly scattered.	A-841

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OPERATIONS RECORD BOOK

APPENDIX "A"

A.F. FORM 541.

DETAIL OF WORK CARRIED OUT

By No. 439 (R.O.A.F.) Squadron

SECRET

PAGE No. 76

(1911) Wt. post-60 6000 Net T.S. 750
(1914-1917) Wt. post-60 1000 Net T.S. 750

FOR THE MONTH OF AUGUST 1943

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
30/31st August	HALIFAX II JD.134	Sgt. McIntosh, J. P/Sgt. White, W.B. P/Sgt. Henry, R.M. P/Sgt. Rimes, A.D. Sgt. Mulholland, E.S. P/Sgt. Brumfit, M.S. Sgt. Dow, L.M. P/O J.A. Stader	Pilot Navigator Bomb Aimer W/Op.A.G. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	23.24	05.24	Successful. Target MUNCHEN-GLADBACH 2 X 1000 lb. M.C. 49 X 30 lb. I.C. 630 X 4 lb. incendiaries. Weather good en route, 7/8 10ths cloud vicinity of T/A. Target not identified, bombed after E.T.I. on fires seen burnings. Fires in bomb-sight, PFF markers not seen. Results of own bombing not observed owing to cloud.	A-842
30/31st August	HALIFAX II JD.270	Sgt. Cameron, W.D. Sgt. Birch, G.E. Sgt. Winter, V.J. Sgt. Duggan, V.R. Sgt. Murray, J.T. Sgt. Schaff, E.W. Sgt. Bees, E.E. P/O J.C. Bushell	Pilot Navigator Bomb Aimer W/Op.A.G. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	23.21	05.48	Successful. Target MUNCHEN-GLADBACH with bombload as above. 6/8 10ths cloud at 10,000 feet, and smoke haze. Target identified by red and green markers and fires. Bombed on green markers. Markers well concentrated and fires observed to be taking good hold. Target area to north of markers one huge mass of fires. Large orange explosion seen to west of markers at 02.27 hours. Smoke up to 5,000 feet to north of markers.	A-843
30/31st August	HALIFAX II JD.459	P/O R.H. Frigate P/O W.F. Sheppard P/O A. Mansfield P/Sgt. Billingsley, J.B. Sgt. Vins, W.R. Sgt. Malen, J. P/Sgt. Jacobs, K.M.	Pilot Navigator Bomb Aimer W/Op.A.G. Flight Eng. 2nd Gunner Rear Gunner	23.03	04.53	Successful. Target MUNCHEN-GLADBACH with bombload as above. Cloud 4/10ths density over target up to about 20,000 feet. Green T.I. only seen clearly on arrival. Green T.I. through clouds in bomb-sight. At time of bombing (02.14 hours) through T.I. and red T.I. being dropped on southern E.A.P. Fires observed around north and south T.I.	A-844
30/31st August	HALIFAX II JD.501	P/O D.D. Lufftme P/O W.R. Kemp P/O R.W. Kemp Sgt. Brakes, R.M. Sgt. Ashton, E.H.S. Sgt. Miller, A.S. Sgt. Gatch, W.F. Sgt. Ryckman, J.B.	Pilot Navigator Bomb Aimer W/Op.A.G. Flight Eng. 2nd Gunner Rear Gunner 2nd Pilot	23.30	05.34	Successful. Target MUNCHEN-GLADBACH with bombload as above. Cloud 5/10ths density. Target identified by red and green T.I. markers. Bombed on concentration of green T.I. markers at second indicated E/A. Extensive damage to bomb doors by cannon shells from E.A., hydraulics off, Gae instruments, radio, and bomb-sight camera. First indicated T/A well lit up with scattered fires surrounding. Second indicated T/A being hit by bombs in concentration of green markers but fires had not had chance to develop. Violent explosion in the first A.P. with orange-red flames seen at 02.29 hours seen in a distance.	A-844
30/31st August	HALIFAX III JD.420	P/O J.W. Westland P/O J.W. Hall P/O J.W. Galyon Sgt. Beer, S.W. Sgt. Davis, H.G. Sgt. Ravensdale, W.M. P/Sgt. Blount, B.	Pilot Navigator Bomb Aimer W/Op.A.G. Flight Eng. 2nd Gunner Rear Gunner	23.17	05.54	Successful. Target MUNCHEN-GLADBACH with bombload as above. 5/10ths strato cumulus, tops of 5/8,000 feet, visibility good. Target identified by green T.I. markers, which were in bomb-sight. Big patch of medium sized fires, not particularly concentrated, observed. Defences for N/P's attack appeared to be scattered. Many fires observed but none particularly large.	A-845
30/31st August	HALIFAX II JD.410	Sgt. Macdonald, G.H. Sgt. Lees, P. Sgt. Round, D.G. Sgt. Spence, V.E. Sgt. McKee, W.J. Sgt. Parker, R. Sgt. Sullivan, R.W.G.	Pilot Navigator Bomb Aimer W/Op.A.G. Flight Eng. Rear Gunner	23.08	05.59	Successful. Target MUNCHEN-GLADBACH with bombload as above. Target itself clear, surrounded by 8/10ths thin cloud at 7,000 feet. Target identified by red markers and fires, bombed on red markers, green T.I. not seen till later. Rear turret jammed just prior to reaching target, not freed again until English Coast. Inter Com. and Gae temporarily U/S after leaving target due to violent evasive action causing short circuits. Six attempted N/P attacks evaded, N/P gave evasive directions to pilot using call lights.	A-846

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OPERATIONS RECORD BOOK

APPENDIX "A"

I.A.F.
FORM 541.

DETAIL OF WORK CARRIED OUT

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

SECRET

PAGE No. 77.

(2011) WL 6255-5 6200 541 I.R. 700
(1944-45) WL 5931-440 1028 1247 I.R. 700

FOR THE MONTH OF August. 1943.

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
31. Aug/ 1st. Sept.	HALIFAX II JD. 582	P/O. H.R.E. Ryan P/O. R.A. Hoffmann P/O. I.R. Swanton Sgt. Brooks W.F. Sgt. Bolton W.F. Sgt. Pitt C.L. Sgt. Damon E.J.	Pilot Navigator Bomb Aimer W/O. A.G. Pit. Eng. 2nd. Gunner Rear Gunner	19.51	04.08	Successful. Target BERLIN with 1 x 2000 lb. H.C., 32 x 50 lb. L.C., and 360 x 1 lb. incendiaries. Good visibility, 5/10ths thin cloud at about 10,000 feet. Target identified by red and green markers; bombed on green markers. Fires appeared scattered and not very large. One two thousand lb. bomb hung up.	A-850
31st. Aug/ 1st. Sept.	HALIFAX II JD. 456	Sgt. White K.P. Sgt. Rathbone J. Sgt. Randall C. Sgt. Hibbins R.C. Sgt. Dawkins R.B.G. Sgt. James R.G. Sgt. Godfrey R.N.	Pilot Navigator Bomb Aimer W/O. A.G. Pit. Eng. 2nd. Gunner Rear Gunner	20.05	05.32	Successful. Target BERLIN with bombload as above. Target identified by red and green markers, lake seen. Green T.I. in bombsight. Green markers well concentrated around red T.I., large fires observed, many bombs seen to burst in fires. Glow of fires seen for one hundred miles on return journey to base.	A-851
31st. Aug/ 1st. Sept.	HALIFAX II JD. 158	P/O. S.A. McHenry P/O. W.G. Collins P/O. S.M. Beuchamp Sgt. Woods R.J. Sgt. Rankins T. Sgt. Tackham F. Sgt. Poterich F.W. Sgt. Rydman H.C.	Pilot Navigator Bomb Aimer W/O. A.G. Pit. Eng. 2nd. Gunner Rear Gunner Rear Pilot	20.04	04.56	Successful. Target BERLIN with bombload as above. 5/10ths low cloud up to 5,000 feet, not more a thousand feet thick. Markers could be observed clearly. T.I. green route markers observed, and T.I. green markers in bombsight. A concentration of fires seen to be developing rapidly, scattered fires could be seen over the whole area around the concentration. S/L very numerous but ineffective, flak over T/A negligible, light tracer up to 28,000 feet.	A-852
31st. Aug/ 1st. Sept.	HALIFAX II JD. 466	Sgt. Hamilton T.C. Sgt. Rogers B. Sgt. Hiley W.F. Sgt. Spinks R.S. Sgt. Williams A.C. Sgt. Williams W.H. Sgt. Harris R.W.G.	Pilot Navigator Bomb Aimer W/O. A.G. Pit. Eng. 2nd. Gunner Rear Gunner	19.59	04.32	Successful. Target BERLIN with bombload as above. 8/10ths cloud with tops 10/15,000 feet over target. PFF markers in bombsight. Fires well concentrated around markers and beginning to blaze well, about twenty to twenty-five fires observed, small and large as aircraft left target. Large strings of flares seen at 20,000 feet, all on same heading as aircraft drifting A-853 N/W with wind.	A-853
31st. Aug/ 1st. Sept.	HALIFAX II JD. 457	Sgt. Fox A.R. Sgt. Chapman G.E. Sgt. Ryan W.J. Sgt. Winterbottom C. Sgt. Beach G.H. Sgt. Padden R.E.	Pilot Navigator Bomb Aimer W/O. A.G. Pit. Eng. 2nd. Gunner Rear Gunner	20.01	04.39	Successful. Target BERLIN with bombload as above. 7/10ths thin strata cumulus, tops 10,000 feet, visibility good. PFF markers in bombsight. Defences in T/A very slight, S/L's appeared ineffective. Concentration of incendiaries good. Huge explosions seen after leaving T/A at 00.20 hours, flames lit up sky.	A-854
31st. Aug/ 1st. Sept.	HALIFAX II HE. 376	P/O. H.V. Brown P/O. J. Fisher P/O. J. Fisher Sgt. Green J.J. Sgt. McDonald W. Sgt. Brown H. P/O. G.M. Willard	Pilot Navigator Bomb Aimer W/O. A.G. Pit. Eng. 2nd. Gunner Rear Gunner	19.53	04.52	Successful. Target BERLIN with bombload as above. 5/10ths cloud, tops about 10,000 feet, 5/10ths strata at 15,000 feet over France continuing to target. Green flares in bombsight, A-855 but S/L's caught aircraft just at that time. Fires appeared scattered, two large explosions occurred as aircraft left T/A. Starboard inner engine cut just after bombing.	A-855

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
31st Aug/ 1st Sept.	HALIFAX II JD 929	P/O. H.A. Hewitt P/O. P.H. Jodak P/O. H.A. Lee Sgt. Edwin J.J. Sgt. Anderson J. Sgt. Griffiths W.V. Sgt. Broadhurst J.V.	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	19.55	04.12	Successful. Target BERLIN with 1 x 2,000 lb. H.C., 32 x 30 lb. L.C., and 360 x 1 lb. incendiaries. 5/6 10ths thin cloud strata cumulus, tops 10,000 feet, visibility good. PFF markers in bombsight. Defences in BERLIN very slight and G.I.s ineffective owing to clouds. PFF scattered, fires appeared poor and scattered.	A-856
31st Aug/ 1st Sept.	HALIFAX II JD 334 (K)	P/O. D.J. Coocoran W/O. Mackenzie A.G. P/O. Harris A.G. P/O. d'Agostino H. Sgt. Grest D.H. Sgt. Greenidge W.E. P/O. D.H. Lacey	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	19.46	—	This aircraft took off to attack BERLIN with bombload as above and since this time nothing has been heard from it.	A-857
31st Aug/ 1st Sept.	HALIFAX II JD 204	P/O. W.E. Hamilton P/O. E.L. Riley Sgt. J.R. Dale Sgt. Ross T. Sgt. Brown J. Sgt. Griffin R.H. Sgt. Bertolucci A.	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	19.48	04.47	Successful. Target BERLIN with bombload as above. Visibility good, thin layer of cloud 3/4 10ths over the target. Green markers in bombsight. Very few scattered fires observed, did not seem to have much hold when aircraft left target. Green T.I. scattered. Defences ineffective, N/F's operating.	A-858
31st Aug/ 1st Sept.	HALIFAX II DE 731	P/O. E.E. Botcher Sgt. Johnson R.H. Sgt. Barlow J.A. Sgt. Darney E. Sgt. Baylis H.G. Sgt. Purkitt H.G. Sgt. Robb T.M.	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	19.57	05.53	Successful. Target BERLIN with bombload as above. 8/10ths to 10/10ths cloud over target. Red and green T.I. markers seen on homeward journey. Green T.I. in bombsight, Bomb Aimer saw bursts. E/A shot few holes in left rudder, left aerial severed, holes in left wing and four or five in fuselage, hole in starboard inner casing, also one under R.G.O. Fires fairly concentrated around green markers. Two large explosions seen and G left, 23.54 hours. N/F dropping strings of parachute flares which lit up area.	A-859
31st Aug/ 1st Sept.	HALIFAX II JD 464 (N)	P/O. Stewart R. P/O. H.B. Sumner Sgt. Cleveland J.A. Sgt. Hilday A. Sgt. Ross H.A. Sgt. Northcliffe L. Sgt. Garland S.	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner	19.52	—	This aircraft took off to attack BERLIN with bombload as above and since this time nothing has been heard from it.	A-860
31st Aug/ 1st Sept.	HALIFAX II JD 714	Sgt. Constable S.M. P/O. W.E. Huxley Sgt. Hay W.E. Sgt. Brown J.A. Sgt. Booth R.A. Sgt. Child P.G. Sgt. Barnes W.E. P/O. J.C. Turnbull	Pilot Navigator Bomb Aimer W/O. A.G. Flt. Eng. 2nd. Gunner Rear Gunner 2nd. Pilot.	19.49	05.06	Successful. Target BERLIN with bombload as above. 3/4 10ths cloud with mists and haze. PFF flares observed, bombed on green markers. Monica okay, Special Pinsel - nothing heard. Three A-861 separate concentrations of markers seen. Most bombs appeared falling on southern concentration.	

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