

OPERATIONS RECORD BOOK

APPENDIX

A.F. Form 561.

DETAIL OF WORK CARRIED OUT

By No. 434 Squadron (R.C.A.F.)

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FOR THE MONTH OF November, 1944

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REMARKS
				Up	Down		
1.11.44	Halifax A MEA21	F/L Francis, G.	J15758 P	1656	2330	Target: ORNSTADT. Primary. 2029 hrs. 20,000 ft. 0.7 deg. T. IAS 155. 5/10th thin S. CU tops 2,500 ft. Ident. Red and yellow flares. Bombed centre of target. PFF on time, reds concentrated. A large area covered with incendiaries. A fair attack. Bomb Load: 1 x 2000 lb & 1080 x 4 lbs.	✓
1.11.44	Halifax B MEA47	F/O Cavanagh, H.	J85685 P	1704	2322	Target: ORNSTADT. Primary. 2028 hrs. 20,500 ft. 0.5 deg. T. IAS 155. 10/10th thin cloud - tops 6-8,000 ft. Ident. red and green sky markers. Bombed red sky markers. As we were early difficult to assess effort but everything points to a fair attack. Bomb Load: 1 x 2000 lb & 1080 x 4 lbs.	✓
1.11.44	Halifax C MEA40	F/O Halore, G.	J16599 P	1651	2318	Target: ORNSTADT. Primary. 2027 hrs. 21,000 ft. 0.5 deg. T. IAS 155. 7-9/10th cloud tops. 5,000 ft. Ident. sky markers red. Bombed same. Attack appeared to be well concentrated. Many incendiary fires. A good trip and a very good attack. Bomb Load same as "A".	✓
1.11.44	Halifax D MEA35	F/O Henry, R.	J14688 P	1715	2231	Target: ORNSTADT. Primary. 2030 hrs. 16,500 ft. 0.5 deg. T. IAS 155. Bombed centre of green CI which went down after the sky markers. Two large bursts or orange flames like oil tanks going up. Intense H/P barrage and L/P. After leaving target one incident. W/E A/O seen to go down and hit the ground and explode. Landed Woodbridge. Bomb Load same as "A".	✓
1.11.44	Halifax E ME278	F/O Moffatt, J.	J26084 P	1653	2317	Target: ORNSTADT. Primary. 2030 hrs. 19,500 ft. 0.5 deg. T. IAS 155. 5/10th thin S. CU tops 5,000 ft. Ident. flares red. PFF on time and reds concentrated, yellow and green somewhat scattered. Bombed centre of flares red. One good sized red fire. The large explosion causing this fire occurred at 2031 hrs. Good attack if markers were on. Bomb Load same as "A".	✓

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCE
				Up	Down		
1.11.44	Halifax H NR116	P/O Kiehlbauch, A.	J2858	P	1657	2304	Target: GRUBENHAUSEN. Primary. 2029.8 hrs. 20,000 ft. 04.5 degs. T. ✓ IAS 155. Thin layer of cloud with ground detail visible. Ident. red and yellow sky markers. Bombed red sky markers. A few bomb bursts seen but as we were early in the attack only a few small fires were seen. Everything points to a fair attack. 90 x 4 lb. JB hung up. A good concentrated attack if early indications are followed through. Bomb Load same as "A".
1.11.44	Halifax K NR115	P/O Goulter, L.	J27630	P	1652	2321	Target: GRUBENHAUSEN. Primary. 2029 hrs. 20,500 ft. 04.5 degs. T. ✓ IAS 150. 5/10th cloud 1,000 ft. Ident red and green flames. Bombed same. Three large explosions with many fires over large area. A good concentrated attack on whole area. Bomb Load same as "A".
1.11.44	Halifax L NR145	P/O Barre, V.	J29211	P	1711	2314	Target: GRUBENHAUSEN. Primary. 2030 hrs. 21,000 ft. 04.5 degs. T. ✓ IAS 150. 4-7/10th cloud tops 5,000 ft. Ident. red sky markers. Bombed same. Attack appeared to be well concentrated, numerous fires. Good attack. Bomb Load same as "A".
1.11.44	Halifax M NR143	P/O Harvie, M.	J24818	P	1654	2314	Target: GRUBENHAUSEN. Primary. 2029.7 hrs. 19,000 ft. 04.0 degs. T. ✓ IAS 155. 5/10th thin cloud tops 6,000 ft. Ident flames red and yellow and green. Bombed centre of flames red. FFF on time, slightly scattered. Very early in attack, no fires seen other than incendiaries. If markers on this attack successful. Bomb Load same as "A".
1.11.44	Halifax N NR961	P/O Andres, J.	J29271	P	1716	2120	Target: GRUBENHAUSEN. Primary. 2028.5 hrs. 19,500 ft. 04.5 degs. T. ✓ IAS 158. 6-8/10th cloud. - thin - good vis. Ident sky markers: red, green and yellow. Bombed red. Marking slightly scattered. A few explosions were seen over area on our run up. As we were early very little was seen. A quiet uneventful trip. Bomb Load same as "A".

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By No. 434 Squadron (R.C.A.F.)

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(1940-41) Wt. 1,000-1,200 lbs. 1,000 ft. T.A. 700
(1942-43) Wt. 1,400-1,600 lbs. 1,000 ft. T.A. 700

FOR THE MONTH OF November 1944

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
1.11.44	Halifax P 122852	F/O Hawley, H.	J85775 P	1728	2308	Target: ORGSHAUSEN. Primary. 2029.5 hrs. 20,000 ft. 0.5 degs. T. IAS 157. 2-4/10th cloud, thin. Ident. red sky markers. Bombed same. A well concentrated attack. At 2030 hrs. saw two large explosions in T/A orange in colour. A good trip and good attack. Bomb Load same as "A".	✓
1.11.44	Halifax Q 12921	F/O Telford, R.	J87331 P	1714	2327	Target: ORGSHAUSEN. Primary. 2028 hrs. 20,000 ft. 0.5 degs. T. IAS 155. 2-3/10th thin STR. cloud tops 5,000 ft. Ident. red yellow and green flares. Bombed centre of two groups of sky markers. As we were early in attack very little was seen. A large explosion was seen after we left the area. A good trip. Bomb Load same as "A".	✓
1.11.44	Halifax S NR118	W/O Ferris, G.	R.79732 P	1709	2200	Target: ORGSHAUSEN. Primary. 2028 hrs. 21,000 ft. 0.20 degs. T. IAS 150. W/F killed over target. B/A. Nav and E/R wounded. Box 1 red sky markers which were well bunched. 10/10th cloud. Glow of fires on cloud base. H/W predicted - moderate. No signs of fighters. Landed Woodbridge. Bomb Load same as "A".	✓
1.11.44	Halifax U NR114	F/O Badgby, A.	J87134 P	1707		Target: ORGSHAUSEN. Primary. This A/C was airborne at 1707 hrs. since when nothing has been heard. Bomb Load same as "A".	✓
1.11.44	Halifax V NR144	F/O Isenberg, M.	J87286 P	1706	2309	Target: ORGSHAUSEN. Primary. 2029.8 hrs. 19,500 ft. 0.5 degs. T. IAS 155. 4-6/10th cloud over target. Ident red and green sky markers. Bombed red sky markers. Target obscured by cloud at time of bombing. Glow of fires seen on cloud for 40 miles after leaving target. A good operation. Bomb Load same as "A".	✓
1.11.44	Halifax X NR124	S/L Morris, J.	J7549 P	1744	2305	Target: ORGSHAUSEN. Primary. 2033 hrs. 19,000 ft. 0.5 degs. T. IAS 155. 4/10th cloud. 1,000 ft. Ident and bombed on red and green flares. Lot of small fires. Bombs well concentrated. Good attack consider ground marking could have been better. Bomb Load same as "A".	✓

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REMARKS
				Up	Down		
1.11.44	Halifax Y 42876	F/L Porter, C.	J11973	P	1702	2301	Target: GRENHAUSEN. Primary. 2030.1 hrs. 20,500 ft. 0.5 degs. T. ✓ IAS 150. 5/10th thin patchy stratus tops 6-7,000 ft. Ident. Flares red and green. Bombed centre of red flares. PFF on time and well concentrated. Three good sized red fires observed. A very well concentrated attack. Bomb Load same as "A".
1.11.44	Halifax Z 48134	F/L Boyle, D.	J1325	P	1712	2332	Target: GRENHAUSEN. Primary. 2030 hrs. 21,000 ft. 0.5 degs. T. ✓ IAS 150. 4/10th thin clouds 6/7,000 ft. Ident. red and green flares. Bombed red and yellow flares. Good concentration of fires and roofs of houses burning. Target much clearer than briefed. Bomb Load same as "A".
2.11.44	Halifax A 42428	F/L Buttle, T.	J9178	P	1622	2224	Target: DUSSELDORF. Primary. 1931 hrs. 20,000 ft. 115 degs. T. ✓ IAS 155. Clear vis. good. Ident TIR and green. Bombing centre of concentration of TIR. Whole area ablaze. Bombing well concentrated. Fires could be seen for 50 miles on approaching and leaving target. Good attack. Bomb Load: 1 x 2000 lb. & 1080 x 4 lbs.
2.11.44	Halifax B 42447	F/O Burden, P.	J29035	P	1612	2227	Target: DUSSELDORF. Primary. 1930.5 hrs. 20,000 ft. 156 degs. T. ✓ IAS 155. Clear good vis. Ident. bend in river and Red TI and fires. Bombed Red TI and concentration of fires. Fires had commenced to burn seemed to be a very good attack. Brought back 1 can 90 x 4 lb. IB. Undercarriage down - short of fuel. Landed Middleton St. George. Bomb Load same as "A".
2.11.44	Halifax C 42440	F/O Charman, C.	J27858	P	1644	2221	Target: DUSSELDORF. Primary. 1934.8 hrs. 19,000 ft. 111 degs. T. ✓ IAS 163. Vis. clear. Ident visually and red and green flares. Bombed green TIs in centre of fire and smoke. Lots of fire and smoke up to 6-7,000 ft. covered large area of city. Bomb Load same as "A".

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DETAIL OF WORK CARRIED OUT

By No. 436 Squadron (R.C.A.F.)

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				Up	Down			
2.11.44	Halifax E.ME878	P/O Moffatt, J.	J.3607h	P	1617	2208	Target: DUSSELDORF. Primary. 1932 hrs. 20,500 ft. 108 degs T. IAS 150. Vis clear over target. Ident red and green T.I's. Bombed centre of red T.I's. Target was clear and well shined. PFF marking good. Good concentration. Bomb load: same as "A".	✓
2.11.44	Halifax B.ME17h	P/O Bannagh, R.	J.85685	P	161h	2238	Target: DUSSELDORF. Primary. 1931.8 hrs. 18,000 ft. 115 degs T. IAS 180. Smoke and haze. Ident red T.I's and sky marking. Bombed centre of red T.I's and fires. Mass of fire and smoke up to 6-7,000 ft. Good attack well concentrated. Bomb load: same as "A".	✓
2.11.44	Halifax H.NE116	P/O Kishbaugh, A.	J.1858h	P	1615	2228	Target: DUSSELDORF. Primary. 1932.5 hrs. 18,500 ft. 095 degs T. IAS 160. Vis clear over target - slight haze. Ident sky markers red. Bombed centre of fires and red T.I. Target very well lit up and numerous fires in area. PFF on time and marked area well. Attack a very good one and well concentrated. Bomb load: same as "A".	✓
2.11.44	Halifax K.NE115	P/O Coulter, I.	J.27630	P	1616	2232	Target: DUSSELDORF. Primary. 2032.3 hrs. 19,000 ft. 088 110 degs T. IAS 155. Clear vis - unlimited. Ident visually and T.I's. Bombed centre of T.I's. Target a mass of incendiaries and heavy huge fires. An excellent concentration of bomb bursts. Could be seen for over 100 miles. Bomb load: same as "A".	✓
2.11.44	Halifax L.NE145	P/O Barr, V.	J.29213	P	1621	2240	Target: DUSSELDORF. Primary. 1933.2 hrs. 19,500 ft. 098 degs T. IAS 155. No cloud vis. obscured slightly by smoke. Ident red and green sky markers. Bombed centre of T.I's. PFF good. The whole area was a carpet of fire and every thing points to an excellent attack. Bomb load: same as "A".	Combat ✓
2.11.44	Halifax H.NE961	P/O Andre, I.	J.29273	P	1625	2202	Target: DUSSELDORF. Primary. 1931 hrs. 20,500 ft. 120 degs T. IAS 150. Vis excellent 7-8/10th cloud. Ident T.I red and green sky markers. Bombed centre of T.I green. Fires were seen all over the area followed by smoke. The whole attack was well	✓

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DATE	AIRCRAFT Type & Number	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
						concentrated everything well ablaze. A very good effort with excellent concentration. Bomb Load: same as "A".	
2.11.44	Halifax P. ME352	P/O Hawley, H.	J.85775 P	1630	2216	Target: DUNDELOFF. Primary. 1930.5 hrs. 20,000 ft. 111 degs T. IAS 155. Vis clear - ground hazy. Ident. red FI and red flares. Bombed centre of Red FI. Many fires and smoke to 2,000 ft. Good bombing concentration. Good attack - best seen yet. Bomb Load: same as "A".	✓
2.11.44	Halifax G. ME921	P/O Telford, R.	J.87333 P	1628	2220	Target: DUNDELOFF. Primary. 1932.5 hrs. 18,500 ft. 112 degs T. IAS 160. Vis. clear but ground hazy. Ident. visually and red FI. Bombed Red FI well concentrated and centre of fires. Mass of fires and smoke 10,000 ft. Good attack fires well concentrated over city. Bomb Load same as "A".	✓
2.11.44	Halifax T. ME126	P/O Munroe, G.	J.28946 P	1640	2250	Target: DUNDELOFF. Primary. 1932.9 hrs. 21,000 ft. 108 degs T. IAS 150. No cloud. Vis good with ground smoke. Ident city markers red and green. FI's red and green. Bombed FI red very close to marshalling yards. Carpet of fire over whole area an excellent concentration of devastation. 9 x 4 lb. TB Good Attack. A very fine effort. Bomb Load: same as "A".	✓
2.11.44	Halifax V. ME144	P/O Isaacberg, M.	J.87268 P	1637	2204	Target: DUNDELOFF. Primary. 1932 hrs. 19,500 ft. 111 degs T. IAS 155. Vis. clear. Ident. visually and red and green FI. Bombed Red FI. Great mass of fires and smoke up to 15,000 ft. Good attack. Bomb Load: same as "A".	✓
2.11.44	Halifax T. ME124	P/O Wagon, J.	J.35150 P	1639	2223	Target: DUNDELOFF. Primary. 1932.3 hrs. 20,000 ft. 107 degs T. IAS 155. (Main) Vis good. Ident load in White and sky marker - red and green FI. Bombed Red FI's large fire over complete area. The finest concentration in a long time with devastation over the whole city. Bomb Load: same as "A".	✓

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A.F. FORM 501

DETAIL OF WORK CARRIED OUT

By No. 43 Squadron (R.C.A.F.)

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				Up	Down		
2.11.44	Halifax Y.12876	P/L Porter, G.	J.11973 P	1631	2210	Target: DUESLEDORF. Primary. 1931.8 hrs. 20,500 ft. 111 degs T. IAS 150. Vis. clear over target. Ident incendiary fires and red TI. Bombed centre of TI green. A well concentrated attack. Target area a mass of flames and smoke. Very good. Could see glow 45 to 50 miles after leaving target. A very good operation. Bomb Load: same as "A".	✓
2.11.44	Halifax Z.12834	P/O Algar, G.	J.87360 P	1620	2212	Target: DUESLEDORF. Primary. 1931.5 hrs. 21,000 ft. 115 degs T. IAS 150. Vis. good obscured slightly by smoke - no cloud. Ident sky markers red and green, TI red and green. Bombed TI red, many close to A/P. A large orange/red explosion as we crossed Rhine on run up followed by many fires carpeted over a wide area. A great quantity of smoke was also seen. A very good attack. Bomb Load: same as "A".	✓
2.11.44	Halifax M.12843	P/O Harris, M.	J.24618 P	1619	2206	Target: DUESLEDORF. Primary. 1930.5 hrs. 20,000 ft. 155 degs T. IAS 150. Clear weather over target. Ident. by red TI's. Bombed on red TI's. TI's red well concentrated. Concentration of fires in target area. Smoke up to 12,000 ft. A good attack. Bomb Load: same as "A".	✓
2.11.44	Halifax A.12821	P/L Rothembush, G.	J.13048 P	1746	2348	Target: BOCHUM. Primary. 1946.2 hrs., 18,300 ft., 100 degs T. IAS 155. Clear Vis good. Target identified by red and green TI's, bombed in centre of fires. Whole T/A 50 - 60 acres seething mass of flames and smoke. Saw bomb bursts in flames, 1 x 2000 lb., 12 S.B.O. 100 X type. Semi good attack. Bomb Load: same as "A".	✓
2.11.44	Halifax B.12847 E.11519	P/O Burden, P.	J.23035 P	1800	2359	Target: BOCHUM. Primary. 1951 hrs. 17,500 ft., 100 degs T. IAS 160. Clear. Target identified by green TI's and sky markers, bombed to left of green TI's. Target blazing when we got there. Large carpet of flames. A good attack. Jettisoned 1 x 2000 lb. H.G. 53.5N 011.6E, 2229 hrs. 18,000 ft. Bomb load: same as "A". Landed at Heddlebe of Aachen.	✓

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DATE	AIRCRAFT Type & Number	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REMARKS	
				Up	Down			
4.11.44	Halifax G N81A0	P/O Kiehlbausch, A.	J18884	P	1745	2245	Target: BOCHUM. Primary. 1946.2 hrs. 17,500 ft. 108°T. IAS 160. Vis. good. Target ident. by R & G TI's, bombed in centre of Green TI's. Markers and bombing well concentrated. Very large area of fires with a lot of smoke. Defences very active. Brought back due to hang up 1 x 2000 lb. Bomb Load same as "A".	✓
4.11.44	Halifax F N81A5	P/O Henry, R.	J11688	P	1747	2235	Target: BOCHUM. Primary. 1945.5 hrs. 17,000 ft. 112°T. IAS 160. Clear 1/10ths St. Cu. Target ident. by sky markers and red and green TI's, bombed in centre of red and green TI's. A good concentration, many orange coloured fires. Area well carpeted with incends. Very good attack. Bomb Load same as "A".	✓
4.11.44	Halifax G N8121	P/O Cavanagh, R.	J85685	P	1723	2200	Target: BOCHUM. Abortive. Total load jettisoned 544N 0200 2036 hrs. 16,000 ft. - safe. Farthest point reached Dutch Coast on track. Bomb Load same as "A".	✓
4.11.44	Halifax K N8115	P/O Coulter, L.	J27630	P	1731	2245	Target: BOCHUM. Primary. 1945.6 hrs. 18,500 ft. 110°T. IAS 155. Clear. Target ident. by red and green TI's and bombed on same. Numerous fires well concentrated over large area. Smoke seen up to 5/6,000 ft. Excellent attack. Bomb Load same as "A".	✓
4.11.44	Halifax L N81A5	P/O Barr, V.	J88213	P	1727	2236	Target: BOCHUM. Primary. 1946 hrs. 18,000 ft. 096°T. IAS 155. Clear some haze and smoke. Target ident. by red and green TI's, bombed to stbd. side of Red TI's. Attack well under way many small fires and explosions. Beautiful attack. Bomb Load same as "A".	✓
4.11.44	Halifax N N8961	P/O MINTOE, G.	J28546	P	1722	2257	Target: BOCHUM. Primary. 1945.2 hrs. 17000 ft. 116°T. IAS 160. Clear. Target ident. and bombed on red TI's. Many fires and explosions, smoke up to 6/7000 ft. Brought back 2 cluster I due to hang up. Bomb Load same as "A".	✓

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FORM 541

DETAIL OF WORK CARRIED OUT

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FOR THE MONTH OF November 1944

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCE
				Up	Down		
4.11.44	Halifax M NR143	F/L Buttle, T.	J9178 P	1748	2327	Target: BOCHUM. Primary. 1946 hrs. 16,000 ft. 120°T. IAS 160. No cloud. Target ident by red and green TI's. Bombed on red TI's. Marking was well concentrated and bombing continuous. A very good attack. Sbd. outer was not working properly and we could not make our height of 18,000 ft. Brought back 360 x 4 in bombs. Bomb Load same as "A".	✓
4.11.44	Halifax F M2858	F/O Chapman, C.	J27888 P	1726	2302	Target: BOCHUM. Primary. 1946 hrs. 16,500 ft. 100°T. IAS 160. Clear, over target some haze. Target ident. by red and green TI's, bombed in centre of green TI's. Fairly concentrated attack some indication of undershooting, but main body of attack concentrated. A good attack. Bomb Load same as "A".	✓
4.11.44	Halifax Q M2921	P/O Telford, R.	J87333 P	1717	2316	Target: BOCHUM. Primary. 1949 hrs. 18,000 ft. 115°T. IAS 145. Clear vis. Target ident. by red and green TI's, bombed in centre of green TI's. Attack well concentrated, everything burning well. Should be a splendid attack. Bomb Load same as "A".	✓
4.11.44	Halifax T NR126	F/O Alger, D.	J87340 P	1728	2301	Target: BOCHUM. Primary. 1945.8 hrs: 18,000 ft. 100°T. IAS 155. Clear over T/A with some haze and smoke. Target ident. by red and green TI's, bombed in centre of red TI's. Numerous heavy explosions orange-red flames seen. PFF good. T/A well hit. A good operation. Bomb Load same as "A".	✓
4.11.44	Halifax V NR144	S/L Morris, J.	J7459 P	1725	2254	Target: BOCHUM. Primary. 1946.5 hrs. 17,500 ft. 120°T. IAS 155. Vis good. Target ident. by green and red TI's, bombed on centre of red TI's. Many large fires and explosions. At 1942 hrs very large explosion red in colour. Attack very well concentrated. PFF excellent. Excellent attack. Bomb Load same as "A".	✓

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REMARKS
				Up	Down		
4.11.44	Halifax X NR124	F/O Wagner, J.	J35150	P	1744	2343	BOCHEM. Target: Primary. 1946.5 hrs. 17,000 ft. 110°E. IAS 155. Vis good. Target ident. by red and green TI's, bombed in centre of red TI's. A very large fire covering most of the T/A. <i>Correct.</i> Markers well concentrated, very good attack. Bomb load same as "A". Loaded on No. 10 of 1000 lb.
4.11.44	Halifax Y MS876	F/L Porter, G.	J11973	P	1729	2237	Target: BOCHEM. Primary. 1946.8 hrs. 16,500 ft. 111°E. IAS 160. Clear over target with some haze & smoke. Target ident. by red and green TI's, bombed in centre of green TI's. Target area a mass of smoke, PFF very good. An excellent attack. Bomb Load same as "A".
4.11.44	Halifax Z NR134	F/L Boyle, D.	J4325	P	1720	2301	Target: BOCHEM. Primary. 1946 hrs. 17,000 ft. 110°E. IAS 160. <i>Correct.</i> Vis clear. Target ident. by red and green TI's, bombed in centre of green TI's. T/A mass of fire and smoke, many explo- sions. Best attack ever seen. Bomb Load same as "A".
4.11.44	Halifax A MR221	F/L Nickerson, G.	J13967	P	1147	1703	Target: GIESSENKIRCHEN. Primary. 1411.6 hrs. 20,000 ft. 082°E. IAS 155. 5/10ths cloud with breaks over A/P. Tops 10/12,000 ft. Ident. by red and green TI's. Bombed TI's green and built up area. TI's green north of main marshalling yards. Heavy smoke billowed up to 10-12,000 ft. and angled with cloud tops. MB gave alternative but bombed primary as there was an oppor- tunity to do so. A scattered attack. Bomb Load: 2 x 2000 lb. & 7 x 1000 lb & 4 x 500 lb.
6.11.44	Halifax G NR240	F/O Harvie, M.	J24818	P	1140	1704	Target: GIESSENKIRCHEN. Primary. 1410.8 hrs. 20,000 ft. 090°E. IAS 155. 6-7/10ths cumulus, tops at 6-8,000 ft. Ident. by RCS. Bombed visually on fires and explosions. Believed bombed just short of A/P. Much smoke up to 10/12000 ft. MB instructed to bomb visually. Good attack but scattered due to weather. Bomb Load same as "A".

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCE	
				Up	Down			
6.11.44	Halifax E 12878	P/L Buttle, T.	J9178	P	1207	1711	Target: GRESSENKIRCHEN. Primary. 14.11.9 hrs. 20,500 ft. 075°E. IAS 150. 8/10ths cloud, tops 8-10,000 ft. Breaks over target. Ident. visually. Bombed railway centre at right angles to marshalling yards. Fires and smoke seen on run up but only small area on fire. Cloud obscured view for further assessment. MB gave alternative to bomb. A fair attack, the weather was too bad to receive full weight of the operation. Bomb Load same as "A".	✓
6.11.44	Halifax F 12205	P/O Burden, P.	J2305	P	1142	1724	Target: GRESSENKIRCHEN. Primary. 14.12.3 hrs. 20,000 ft. 010°E. IAS 150. 10/10ths cloud, clear over alternative. Ident. vis- ually. Bombed centre of built-up area. First bombs were under- shoots to built-up area but extended through the town. MB heard to give alternative target. A scattered attack. Bomb Load same as "A".	✓
6.11.44	Halifax G NR121	P/O Henry, R.	J7468	P	1148	1712	Target: GRESSENKIRCHEN. Primary. 14.12.4 hrs. 19,500 ft. 070°E. IAS 160. Cumulus cloud with tops at 11,000 ft. Ident. by TD's Green. Bombed visually as per MB. Bombed built-up area about 1 mile north of A/P. 3 good sized fires with some smoke. Effort scattered due to cloud. Tactics and route as ordered. Bomb Load same as "A".	✓
6.11.44	Halifax H NR116	P/O Marlow, G.	J36615	P	1141	1722	Target: GRESSENKIRCHEN. Primary. 14.14 hrs. 19,500 ft. 020°E. IAS 160. 7-7/10ths cloud with tops at 10,000 ft. Ident. visually. Bombed built-up area through break in clouds. MB instructed to bomb last resort. Where bombs fell there was plenty of smoke. A large explosion at 14.15 hrs. with orange red flames. Scattered bombing. Good trip. Bomb Load same as "A".	✓

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DATE	AIRCRAFT Type & Number	Crew	Duty	Time		DETAILS OF SORTIE OR FLIGHT	REFERENCE	
				Up	Down			
6.11.44	Halifax K N8115	F/O Rothembush, J.	J1908	P	1149	1701	Target: GELSENKIRCHEN. Primary. 1411.7 hrs. 20,000 ft. 072°E. IAS 155. 7/10ths cloud, tops at 10,000 ft. Ident. visually through break in clouds. MB gave instructions to bomb last resort and bombed built-up area believed to be target area. Good attack, plenty of smoke in area. Bomb Load same as "A".	✓
6.11.44	Halifax L N8145	F/O Barr, Y.	J2921	P	1157	1727	Target: GELSENKIRCHEN. Primary. 1411.9 hrs. 20,500 ft. 071°E. IAS 155. 7/10ths cloud tops at 12,000 ft. Ident. by Gee. Bombed visually on built-up area. MB instructed to bomb visually. Considerable smoke and bomb bursts. Effort scattered. Bomb Load same as "A".	✓
6.11.44	Halifax M N8161	F/O Andrew, L.	J2927	P	1200	1706	Target: GELSENKIRCHEN. Primary. 1411.2 hrs. 19,500 ft. 071°E. IAS 160. 8/10ths cloud. Ident. visually. Bombed built-up area 1/2 mile north of A/P. Flares and lots of smoke billowing up to 5,000 ft. May be scattered attack due to cloud over A/P at time. Bomb Load same as "A".	✓
6.11.44	Halifax P N8152	F/O Chapman, C.	J27858	P	1150	1700	Target: GELSENKIRCHEN. Primary. 1411.6 hrs. 19,000 ft. 075°E. IAS 155. 6-8/10ths cloud, tops 10-11,000 ft. Ident. visually. MB gave instructions to bomb alternative. A good number of fires seen in area. A large explosion and much black oily smoke followed. A fair attack considering cloud conditions. Bomb Load same as "A".	✓
6.11.44	Halifax Q N8121	F/O Manree, C.	J28546	P	1145	1701	Target: GELSENKIRCHEN. Primary. 1411.7 hrs. 20,000 ft. 050°E. IAS 155. 8-10/10ths cloud, tops at 10,000 ft. Ident. by Gee and visually. Bombed visual sighting of town area. MB instructed to bomb last resort. Did not see any PFF parking at all. Attack appeared to be well concentrated. Lots of fire and at 1410 hrs. saw a heavy explosion with orange red flame. Fair operation. Bomb Load same as "A".	✓

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REMARKS
				Up	Down		
16.11.44	Halifax B MZ447	P/O Burden, P.	J23035	P	1230	1855	Target: JULICH. Primary. 1542 hrs. 15,500 ft. 050°T. IAS 160. ✓ No cloud, with slight haze and smoke. Target ident. visually & bombed on centre of town through smoke. M.B. not heard, smoke obscuring view but should result in good attack. Concentrated attack carried out. Bomb Load: 1 x 2000 lb & 7 x 1000 lb & 4 x 500 lb.
16.11.44	Halifax E MZ878	P/L Buttle, T.	J9178	P	1245	1830	Target: JULICH. Primary. 1538.5 hrs. 15,000 ft. 048°T. IAS 160. ✓ No cloud, considerable smoke & haze. Target ident. visually & bombed in centre of smoke upwind as per MB. Whole area covered by dark brown smoke, at 1537 hrs., 2 very large orange explosions near centre of town. Flak hole in port side of Engineers position, crew did not know time, and position when hit by flak. 1 x 2000 lb. Jettisoned BACON - 01128, 1625 hrs. 9,000 safe. A good attack. Bomb Load same as "B".
16.11.44	Halifax F MZ405	P/L Rothenbush, J.	J13048	P	1245	1835	Target: JULICH. Primary. 1539.3 hrs. 16,000 ft. 050°T. IAS 160. ✓ Slight haze. Target ident. visually & bombed on large concentration of smoke. All concentration in T/A. No panels of T/A seen. A good effort. Bomb Load same as "B".
16.11.44	Halifax G MZ121	P/O Peterson, B.	J85778	P	1235	1740	Target: JULICH. Primary. 1538.9 hrs. 17,000 ft. 045°T. IAS 165. ✓ No cloud. Target ident. visually & by TI red, bombed on upwind edge of smoke as per MB. North end of target well ablaze with much smoke up to 8,000 ft., bombing well concentrated. Heavy flak hole in starboard wing, crew does not know where or when received same. Attack very good and well concentrated. BOMBERS Bomb Load same as "B".

DATE	AIRCRAFT Type & Number	CREW	Duty	Time		DETAILS OF SORTIE OR FLIGHT	REMARKS
				Up	Down		
16.11.44	Halifax P 18822	F/L Cochran, T.	J11087 P	1234	1824	Target: JULICH. Primary. 1538.6 hrs. 16,500 ft. 044°T. IAS 160. No cloud. Target ident. visually and bombed S.E. of town. RB was distorted, much interference from Maxsoni & 1186. Jettisoned 1 x 1000 lb. 5408H - 0120E, 1730 hrs. 15,000 ft. A good trip. Reason for Jettisoning: Icing. Bomb Load same as "B".	✓
16.11.44	Halifax S NP959	F/O Charman, G.	J27858 P	1244	1757	Target: JULICH. Primary. 1538.8 hrs. 17,000 ft. 034°T. IAS 160. Clear with smoke. Target ident. visually and bombed on target, upwind edge of smoke. Lots of explosions, a good attack. Bomb Load same as "B".	✓
16.11.44	Halifax T NR126	Sgt Hart, F.	K174498 P	1300	1815	Target: JULICH. Primary. 1538.1 hrs. 12,500 ft. 032°T. IAS 160. Clear with haze. Target ident. visually and bombed upwind edge of smoke. Lots of fires, a good attack. Bomb Load same as "B".	✓
16.11.44	Halifax V NR144	F/O Isenberg, M.	J87286 P	1253	1826	Target: JULICH. Primary. 1539 hrs. 16,000 ft. 041°T. IAS 160. 4/10ths sc. cu. tops 6-8,000 ft. with haze. Target ident. visually and TI's red & green, bombed on TI's red and green. Many fires & considerable smoke, very large orange explosions on N/W edge of town. Very good attack. Bomb Load same as "A".	✓
16.11.44	Halifax W NP959 734	F/L Parrott, J.	J21253 P	1236	1547	Target: JULICH. Abortive. All bombs jettisoned 5410H 0130E 1501 hrs. 2,000 ft. Furthest point reached 5330H 0110W. 8th. inner engine oil pressure went down to 45 and oil temp. up to 95/110 degs. Tried to cool by dropping revs. and boost also tried working RPM with no effect. Bomb Load same as "B".	✓

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				Up	Down			
16.11.44	Halifax Y 122876	F/L Porter, C.	J11973	P	1249	1802	Target: JULICH. Primary. 1544.5 hrs. 16,000 ft. 047°T. IAS 160. Clear with considerable ground haze. Target ident. visually & by TI's red, bombed on centre of upwind pf smoke as per 1B. Considerable brown smoke up to 8/9,000 ft. Very concentrated attack, no evidence of undershooting. Two mosquito A/C cut into bomber stream and turned into sun giving rear gunner itchy fingers for a moment. Very good attack. Bomb Load same as "B".	✓
16.11.44	Halifax A 122421	F/L Rotherbush, J.	J13048	P	1210	1820	Target: MUNSTER. Primary. 1505.5 hrs. 16,500 ft. 066°T. IAS 160. 10/10ths cloud. Target ident. by R & G Flares, bombed on smoke of flares. No detail due to dense cloud, seemed very scattered attack. Bomb Load: 16 x 500 lb.	✓
16.11.44	Halifax B 122447	F/O Burden, B.	J23035	P	1215	1810	Target: MUNSTER. Primary. 1511.5 hrs. 16,000 ft. 066°T. IAS 160. 10/10ths cloud. Target ident. and bombed on red and green flares. Cloud obscured view unable to assess attack, could not hear 1B. If markers on, attack should be fair, many orbits owing to flares going out. Bomb Load same as "A".	✓
16.11.44	Halifax F 122405	F/O Hart, R.	J90792	P	1220	1750	Target: MUNSTER. Primary. 1505.8 hrs. 16,500 ft. 066°T. IAS 160. 10/10ths cloud. Target ident. and bombed on Red TI's. No detail due to 10/10ths cloud, seemed scattered attack. Bomb Load same as "A".	✓
16.11.44	Halifax G 122121	F/O Harvie, M.	J28618	P	1225	1822	Target: MUNSTER. Primary. 1505.5 hrs. 16,500 ft. 066°T. IAS 160. 10/10ths cloud with tops 6,000 ft. Target ident. and bombed on Red sky markers. Markers very scattered unable to give opinion of operation owing to cloud conditions. Bomb Load same as "A".	✓

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Date	AIRCRAFT Type & Number	Crew	Duty	Time		DETAILS OF SORTIE OR FLIGHT	REFERENCE	
				Up	Down			
18.11.44	Halifax K NR115	P/L Buttle, T.	J9178	P	1218	1813	Target: MUNSTER. Primary. 1506.5 hrs. 16,000 ft. 066°T. IAS 160. 10/10ths cloud over target. Target ident. by red and green flares, bombed on green flares. No detail due to thick cloud. Fair concentration of bombs; Bomb load same as "A".	✓
18.11.44	Halifax L NR145	P/O Barr, V.	J29213	P	1228	1847	Target: MUNSTER. Primary. 1506.5 hrs. 17,000 ft. 066°T. IAS 160. 10/10ths cloud with tops at 10/12,000 ft. Target ident. by red sky markers, bombed on good green cluster stbd., side of red sky markers. Unable to assess owing to cloud conditions. Providing sky markers were on, it should be fair attack. Bomb Load same as "A".	✓
18.11.44	Halifax N NP961	P/O Andres, I.	J29273	P	1206	1755	Target: MUNSTER. Primary. 1504.7 hrs. 17,000 ft. 066°T. IAS 160. 10/10ths cloud with tops at 10,000 ft. Target ident. by red & green sky markers, bombed on red sky markers. Too much cloud to assess results. A quiet routine trip. Bomb Load same as "A".	✓
18.11.44	Halifax R ME358	P/O Farrott, J.	J21253	P	1246	1851	Target: MUNSTER. Primary. 1506.6 hrs. 17,000 ft. 066°T. IAS 160. 10/10ths cloud with tops to 10,000 ft. Target ident. and bombed on Green sky markers. Red sky markers down after we left, too much cloud to assess. MB not heard. Bomb Load same as "A".	✓
18.11.44	Halifax S NP959	P/O Chapman, G.	J27958	P	1218	1809	Target: MUNSTER. Primary. 1505.6 hrs. 17,500 ft. 066°T. IAS 160. 10/10ths cloud with tops to 10,000 ft. Target ident. by red and Green markers, bombed on green markers. Too much cloud to see anything. MB heard distinctly. Bomb Load same as "A".	✓

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				Up	Down			
18.11.44	Halifax T NR126	R/L Coughlan, T.	J14087	P	1208	1822	Target: <u>MINSTER</u> . Primary. 1511 hrs. 17,500 ft. 066°T. IAS 155. 10/10ths cloud. Target ident. by green flares; bombed on centre of green flares. No detail of target but after leaving target saw large pillar of black smoke up to 15,000ft. Very scattered attack. Bomb Load same as "A".	✓
18.11.44	Halifax V NR244	R/O Isenberg, M.	J87286	P	1217	1748	Target: <u>MINSTER</u> . Primary. 1505.2 hrs. 17,500 ft. 066°T. IAS 160. 10/10ths cloud. tops to 6,000 ft. Target ident. by red and green sky markers, bombed on red flares. A very quiet trip but am of opinion that it will be a scattered one. Bomb Load same as "A".	✓
18.11.44	Halifax X NR124	R/O Wagan, J.	J35150	P	1219	1753	Target: <u>MINSTER</u> . Primary. 1505.1 hrs. 18,000 ft. 066°T. IAS 155. 10/10ths cloud. Target ident. and bombed on red flares. Stream concentrated over target but flares spread, if markers O.K., attack should be fairly good. Bomb Load same as "A".	✓
18.11.44	Halifax Y NR876	R/L Porter, C.	J11973	P	1209	1836	Target: <u>MINSTER</u> . Primary. 1505.8 hrs. 18,000 ft. 066°T. IAS 150. 10/10ths cloud. Target ident. and bombed on red & green flares. Scattered attack. MB very good FFF very scattered stream stream very concentrated. Fighter cover excellent. Bomb Load same as "A".	✓
18.11.44	Halifax Z NR134	R/O Ferris, C.	R.79732	P	1212	1810	Target: <u>MINSTER</u> . Primary. 1506.7 hrs. 18,000 ft. 066°T. IAS 155. 10/10ths cloud, tops to 7,000 ft. Target ident. by red and green sky markers, bombed on green markers. Markers scattered at opening of attack, thick cloud conditions prevent any assessment. Good route and escort well provided. Bomb Load same as "A".	✓

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REMARKS	
				Up	Down			
21.11.44	Halifax A ME421	W/O Blackburn, A.	0816	P	1530	2221	Target: CASTROP-RAUXEL. Primary. 1905 hrs. 19,000 ft. 165°E. IAS 155. Weather clear. Target ident. Red TI's. Several explosions in area - smoke came up to 3/4,000 ft. Good attack if markers were on. Bomb Load: 16 x 500 lb.	✓
21.11.44	Halifax B ME447	W/O Burden, P.	J23035	P	1531	2208	Target: CASTROP-RAUXEL. Primary. 1905 hrs. 17,700 ft. 145°E. IAS 170. No cloud - good vis. Target ident. Green and Red TI's. Bombed centre of Red TI's. Markers very well concentrated with dull reddish explosion at 1904 hrs. Fires in T/A. Good concentrated attack. Good route. Bomb Load same as "A".	✓
21.11.44	Halifax D ME435	W/O Hart, P.	J90792	P	1537	2209	Target: CASTROP-RAUXEL. Primary. 1905.5 hrs. 19,000 ft. 168°E. IAS 155. Weather clear. Target ident. Red TI's. Bombed same. Large fires and explosions. Good attack. Bomb Load same as "A".	✓
21.11.44	Halifax G ME421	W/O Harvie, M.	J28618	P	1535	2206	Target: CASTROP-RAUXEL. Primary. 1905.1 hrs. 19,000 ft. 190°E. IAS 155. Clear over T/A. Target ident. Red and Green TI's. Bombed concentration of same. Lot of black smoke up to 12,000 ft. and 4 small explosions. Good attack if markers were on. Bomb Load same as "A".	✓
21.11.44	Halifax J ME913	W/L Haloro, G.	J16599	P	1524	2038	Target: CASTROP-RAUXEL. Abortive - N.O.E.T. Load jettisoned at 5400H 0130E - 1927 hrs. - 21,000 ft. - safe. Furthest point reached 5012H 0130E. Post inner U/S. Bomb Load same as "A".	✓
21.11.44	Halifax K ME115	W/L Rothenbush, J.	J13048	P	1539	2207	Target: CASTROP-RAUXEL. Primary. 1904.1 hrs. 18,600 ft. 135°E. IAS 155. Weather clear. Target ident. Green TI. Bombed same. TI's well concentrated. Two very large and bright explosions. Fires concentrated with dull red glow under smoke. Good effort. Bomb Load same as "A".	✓

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A.F. Form 561

DETAIL OF WORK CARRIED OUT

By No. 44 Squadron (R.C.A.F.)

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(1948-50) 101 1000-100 700 101 100
(1949-51) 101 1000-100 700 101 100

FOR THE MONTH OF November 1944

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES	
				Up	Down			
21.11.44	Halifax L NHD45	P/O Barr, V.	J29213	P	1543	2234	Target: CASTROP-BAUKEL. Primary. 1906 hrs. 18,000 ft. 150' T. IAS 155. Weather clear. Target ident. Red T.I. Bombed same. Explosions well concentrated. Some bombing to Sthd. of T.I's. Fires disappointing for oil target. Fair effort with good concentration of bombs by P/O. Bomb Load same as "A".	✓
21.11.44	Halifax M NHD43	P/O Kowalchuk, T.	J27726	P	1530	2303	Target: CASTROP-BAUKEL. Primary. 1909.5 hrs. 18,000 ft. 177' T. IAS (not on raid report) Landed at Winfield. Bomb Load same as "A".	✓
21.11.44	Halifax N NP961	P/O Andres, I.	J29273	P	1547	2227	Target: CASTROP-BAUKEL. Primary. 1908.5 hrs. 18,000 ft. 181' T. IAS 155. Weather clear. Target ident. Red and Green T.I's. Large explosions and smoke up to 8,000 ft. Good attack. Bomb Load same as "A".	✓
21.11.44	Halifax O NHD46	P/O Ferris, G.	R.79732	P	1548	2224	Target: CASTROP-BAUKEL. Primary. 1906.5 hrs. 18,000 ft. 156' T. IAS 155. Weather clear. Target ident. Red and Green T.I. Bombed Red T.I's. T/A was burning well when we left. Was good attack if markers on. Bomb Load same as "A".	✓
21.11.44	Halifax Q NHD921	P/O Parrott, J.	J21253	P	1545	2231	Target: CASTROP-BAUKEL. Primary. 1904.2 hrs. 18,000 ft. 162' T. IAS 160. Weather clear. Target ident. Green and Red T.I's. Bombed Green T.I. One large explosion with dense smoke. T.I's concentrated. Good effort. Good trip. Bomb Load same as "A".	✓
21.11.44	Halifax R NHD358	P/L Bolestone, A.	J26114	P	1528	2216	Target: CASTROP-BAUKEL. Primary. 1904.9 hrs. 18,000 ft. 144' T. IAS 155. Weather clear. Target ident. concentration of Red and Green T.I. Bombed same. An explosion at 1901.5 lasting for only a short time. No fires or smoke followed. Best concentration of T.I's seen in a long time. A good concentrated operation. D/R compass U/S on the way home. Bomb Load same as "A".	✓

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DATE	AIRCRAFT Type & Number	Crew	Duty	TIME		DETAILS OF SORTIE OR FLIGHT	REMARKS	
				Up	Down			
21.11.44	Halifax S NP929	P/O Chapman, G.	J27858	P	1536	2203	Target: CASTROP-BAUXEL. Primary. 1907.5 hrs. 17000 ft. 172°E. IAS 160. 1/10 thin cloud-vis good. Target ident. Red & Green TI's. Bombed centre of all TI's. Fires and considerable smoke in T/A. Markers rather scattered. Good route. Bombing concen- trated. Attack appeared successful. Bomb Load same as "A".	✓
21.11.44	Halifax T NMI26	P/O Wagman, J.	J35150	P	1547	2238	Target: CASTROP-BAUXEL. Primary. 1904.7 hrs. 17000 ft. 147°E. IAS 160. Weather clear. Target ident. Red & Green TI's. Bom- bed red TI. Fires concentrated. TI very good. Dense smoke. Tactics good. Bomb Load same as "A".	✓
21.11.44	Halifax W NP939	P/O Bamros, G.	J28946	P	1540	2217	Target: CASTROP-BAUXEL. Primary. 1904.6 hrs. 17000 ft. 160°E. IAS 160. Weather clear over T/A. Target ident. R & G TI's. Bombed centre of Red TI's. FFF very good and concentrated. Black smoke rising to 4/5000 ft. from centre of Red TI's. A good fire had started when we left target. All the car-marks of a very good attack. Bomb Load same as "A".	✓
21.11.44	Halifax Y M2876	P/L Porter, C.	J11973	P	1533	2218	Target: CASTROP-BAUXEL. Primary. 1904.8 hrs. 17000 ft. 151°E. IAS 160. 4/10 low thin cloud. Good vis. Target ident. RAG TI. Bombed centre of Red TI's. Markers very concentrated. Some fires and explosions in T/A. Good route. Attack appeared con- centrated and successful. Mid-upper and B/AC opened fire on U/I T/E A/C which dropped flares above and astern. Some hits made but no claims as A/C disappeared below. Bomb Load same as "A".	✓
21.11.44	Halifax Z NRI34	P/L Coghlan, T.	J14087	P	1549	2236	Target: Primary. 1904.8 hrs. 17000 ft. 154°E. IAS 160. Weather clear. Target ident. Red & Green TI's. Bombed on centre of GREEN TI's. FFF on time. Very little activity seen in area, but a number of bomb-bursts. Route and tactics good. Bomb Load same as "A".	✓

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A.P. FORM 341

DETAIL OF WORK CARRIED OUT

By No. 43 Squadron (R.C.A.F.)

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(1940-41) WL 4000-100 (1941-42) WL 4000-100 (1942-43) WL 4000-100 (1943-44) WL 4000-100

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DATE	AIRCRAFT Type & Number	Crew	DUTY	TIME		DETAILS OF SORTIE ON FLIGHT	REMARKS	
				Up	Down			
27.11.44	Halifax A MEA21	S/L Nicolson, G.	J13067	P	1633	2217	Target: NEUSS. Primary. 2025 hrs. 19,000 ft. 070°T. IAS 180. 5/10ths cloud. Target ident. by Red T.I's. Bombed red T.I's. Landed at Methwold. Bomb Load: 1 x 2000 lb & 5 x 1000 lb & 6 x 500 lb.	✓
27.11.44	Halifax B MEA47	P/O Kitchen, J.	J86996	P	1659	2217	Target: NEUSS. Primary. 2019 hrs. 18,000 ft. 080°T. IAS 160. Fairly clear over T/A. Target ident. by fires and bombed centre of these. Several large fires and two explosions seen. Landed at Methwold Methwold. Bomb Load same as "A".	✓
27.11.44	Halifax C NRI10	P/O Harlow, G.	J36615	P	1642	2224	Target: NEUSS. Primary. 2027 hrs. 17,000 ft. 060°T. IAS 175. 10/10ths cloud. Target ident. by sky markers and bombed these. Explosions and fires seen. Markers well concentrated. Landed at Methwold. Bomb Load same as "A".	✓
27.11.44	Halifax D MEA35	P/O Henry, R.	J14688	P	1638	2244	Target: NEUSS. Primary. 2024 hrs. 19,000 ft. 082°T. IAS 155. 9/10ths cloud. Target ident. by markers and bombed on these. <i>Combat</i> Fires and very large explosions seen. Landed at Methwold. Bomb Load same as "A".	✓
27.11.44	Halifax F MEA05	P/O Hart, P.	J90792	P	1643	2218	Target: NEUSS. Primary. 2027 hrs. 18,000 ft. 082°T. IAS 180. 10/10ths cloud. Target ident. by green sky markers and bom- bed on these. Fires and explosions well concentrated. Landed at Methwold. Bomb Load same as "A".	✓
27.11.44	Halifax G NRI21	P/O Harvie, M.	J24818	P	1644	2227	Target: NEUSS. Primary. 2028 hrs. 17,000 ft. 090°T. IAS 160. 8/10ths cloud. Target ident. by red T.I's. Bombed on these. A number of explosions seen. Landed at Methwold. Bomb Load same as "A".	✓
27.11.44	Halifax H NRI16	P/O Hall, J.	J20938	P	1649	2231	Target: NEUSS. Primary. 2028 hrs. 19,000 ft. 082°T. IAS 160. 10/10ths cloud. Target ident. by sky markers flames and bom- bed on these. Landed at Methwold. Bomb Load same as "A".	✓

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES	
				Up	Down			
27.11.44	Halifax J ME91	F/O Haloru, G.	J2659	P	1636	2230	Target: NEUSS. Primary. 2028.2 hrs. 17,000 ft. 066°T. IAS 160. 10/10ths cloud in T/A. Target ident. red and green TI's and gee fix. TI's well concentrated. Landed at Methwold. Bomb Load same as "A".	✓
27.11.44	Halifax K NE11	F/O Coulter, L.	J27630	P	1640	2237	Target: NEUSS. Primary. 2030.4 hrs. 12,000 ft. 110°T. IAS 155. 8/10ths cloud. Target ident. by red TI's and bombed on glow of fires. Stbd. inner engine failure. Landed at Methwold. Bomb Load same as "A".	✓
27.11.44	Halifax M NE14	F/O Komalchuk, T.	J27726	P	1730	2246	Target: NEUSS. Primary. 2021 hrs. 16,000 ft. 063°T. IAS 160. 9/10ths cloud. Thin layers. Target ident. red TI's. Bombed 800 TI's. TI's well concentrated. Landed at Methwold. Bomb Load same as "A".	✓
27.11.44	Halifax O ME84	F/O Ferris, G.	R.79732	P	1700	2213	Target: NEUSS. Primary. 2025 hrs. 17,000 ft. 073°T. IAS 160. 10/10ths cloud. Target ident. TI's, red in colour and sky markers. Bombed fires in centre of TI's. Fires below clouds seen. Landed at Methwold. Bomb Load same as "A".	✓
27.11.44	Halifax P ME85	F/L Parrott, J.	J21253	P	1655	2232	Target: NEUSS. Primary. 2029. 5 hrs. 19,000 ft. 062°T. IAS 160. Target ident. by red TI's and bombed glow of these. A number of fires in T/A. Landed at Methwold. Bomb Load same as "A".	✓
27.11.44	Halifax Q ME24	F/O Teiford, B.	J87333	P	1706	2245	Target: NEUSS. Primary. 2030 hrs. 15,500 ft. 078°T. IAS 170. 10/10ths cloud. Target ident. by sky markers and bombed fires below cloud. Landed at Methwold. Bomb Load same as "A".	✓
27.11.44	Halifax T NE12	F/O Andros, J.	J29273	P	1702	2215	Target: NEUSS. Primary. 2025 hrs. 18000 ft. 078°T. IAS 160. 5/10ths cloud. Target ident. by green and red TI's. Bombed red TI's. Landed at Methwold. Bomb Load same as "A".	✓

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A.F. FORM 541

DETAIL OF WORK CARRIED OUT

By No. 434 Squadron (R.C.A.F.)

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCE	
				Up	Down			
27.11.44	Halifax S NP958	P/O Chapman, C.	J2858	P	1644	2226	Target: NEUSS. Primary. 2020 hrs. 17,000 ft. 082°E. IAS 160. 9/10ths cloud. Target ident. red TI's and bombed same. One very large explosion seen, big flash that remained for a few seconds. Landed at Methwold. Bomb Load same as "A".	✓
27.11.44	Halifax V NE244	P/L Bolestone, A.G.	J26114	P	1658	2222	Target: NEUSS. Primary. 2025 hrs. 19,000 ft. 082°E. IAS 155. 10/10ths cloud. Target ident. red TI's and sky markers. Bombed sky markers. Sky markers well concentrated. Ground markers seen well enough to bomb. Landed at Methwold. Bomb Load same as "A".	✓
27.11.44	Halifax W NP939	P/O Munroe, C.	J28546	P	1704	2238	Target: NEUSS. Primary. 2032 hrs. 16,000 ft. 089°E. IAS 160. 10/10ths cloud. Ident. and bombed on red TI's. Very many fires and a large column of smoke rising to about 8000 ft. above the cloud. Landed at Methwold. Bomb Load same as "A".	✓
27.11.44	Halifax X NE224	P/O Wagnan, J.	J35150	P	1702	2243	Target: NEUSS. Abortive. Jettisoned entire load 541GN 0112Z. 2143 hrs. 5,000 ft. D.R. Compass U/S. Went off track after take off and lost too much time, then we decided to abandon mission and land as instructed at Methwold. Bomb Load same as "A". Returned back at Methwold same location	✓
27.11.44	Halifax Y NE276	P/O Kiehlbauch, A.	J18584	P	1646	2221	Target: NEUSS. Primary. 2030 hrs. 19,000 ft. 082°E. IAS 160. 10/10ths cloud. Target ident. by sky markers and glow of fires. Bombed on concentration of fires. Bomb bursts and large red glow noted. 1 x 1000 lb brought back due to hang up. Landed at Methwold. Bomb Load same as "A".	✓
30.11.44	Halifax A NE242	P/L Porter, C.	J11973	P	1628	2300	Target: NEUSS. Primary. 2010.2 hrs. 19,000 ft. 074 deg. E. IAS 155. 10/10ths cloud. Ident by red and yellow flares, bombed same. Fire glow and large explosions appeared over large area. Concentration good. Glow of fires seen to point ahead on bombing run. Good effort. Bomb Load: 16 x 500 lb.	✓

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DATE	AIRCRAFT Type & Number	Crew	Duty	Time		DETAILS OF SORTIE ON FLIGHT	REFERENCE	
				Up	Down			
30.11.44	Halifax B ME447	P/O Burden, P.	J23035	P	1622	2324	Target: DUISBURG. Primary. 2014.9 hrs. 17,000 ft. 078°T. IAS 160. 10/10ths cloud 8-9,000 ft. Ident. by red and yellow flares. Bombed centre of flares. No detail seen due to cloud. Attack seemed scattered. Bomb Load same as "A".	✓
30.11.44	Halifax D ME435	P/O Henry, R.	J14688	P	1613	2318	Target: DUISBURG. Primary. 2011.7 hrs. 19,000 ft. 078°T. IAS 155. 10/10ths cloud. Ident. by red and yellow flares, bombed same. No results seen owing to clouds. Glow of fire indicated concentration. Flares and stream fairly concentrated. Pair attack. Bomb Load same as "A".	✓
30.11.44	Halifax E ME678	P/L Buttle, T.	J9178	P	1624	2323	Target: DUISBURG. Primary. 2010.6 hrs. 18,000 ft. 078°T. IAS 160. 10/10ths cloud, tops 8000 ft. Ident. by red and yellow flares, bombed same. No detail seen owing to cloud. Seemed good attack. Bomb Load same as "A".	✓
30.11.44	Halifax F ME405	P/O Kitchen, J.	J88996	P	1655	2336	Target: DUISBURG. Primary. 2011.7 hrs. 17,000 ft. 076°T. IAS 160. 10/10ths cloud with tops at 6-7000 ft. Ident. by sky-markers red, bombed same. 3 sets of sky-markers well grouped. A huge flash seen through cloud. Damaged by flak while flying close to Cologne. Do not know exact time or position. Bomb Load same as "A".	✓
30.11.44	Halifax G ME121	P/O Hall, J.	J20938	P	1633	2330	Target: DUISBURG. Primary. 2018.5 hrs. 17,000 ft. 078°T. IAS 160. 10/10ths cloud 5-6,000 ft. Ident. by red and yellow flares. No detail seen. Fuselage holed in six places and crew do not know time and position when it occurred. Bomb Load same as "A".	✓
30.11.44	Halifax H ME116	P/O Marlow, G.	J16615	P	1648	2335	Target: DUISBURG. Primary. 2014 hrs. 19,000 ft. 078°T. IAS 160. 10/10ths cloud at 6,000 ft. Ident. red and yellow flares. No detail seen. Seemed successful attack. Bomb Load same as "A".	✓

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Form 541

DETAIL OF WORK CARRIED OUT
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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCE	
				Up	Down			
30.11.44	Halifax J ME913	F/L Rothenbush, J.	J13048	P	1645	2329	Target: DUISBURG. Primary. 2011.2 hrs. 17,700 ft. 076°T. IAS 160. 10/10ths cloud tops at 6,000 ft. Ident. by red flares with yellow stars. Bombed centre of concentration of flares red with yellow stars. No results observed due to cloud. Attack thought to be scattered. Bomb Load same as "A".	✓
30.11.44	Halifax K ME115	F/O Andree, I.	J29273	P	1704	2310	Target: DUISBURG. Primary. 2010.8 hrs. 18,200 ft. 078°T. IAS 162. 10/10ths cloud 5-6,000 ft. Ident. by red and yellow flares, bombed same. No detail seen. Seemed well concentrated attack. Bomb Load same as "A".	✓
30.11.44	Halifax L ME145	F/O Barr, V.	J29213	P	1645	2327	Target: DUISBURG. Primary. 2010.8 hrs. 17,000 ft. 078°T. IAS 160. 10/10ths cloud. tops 10,000 ft. with slight haze above. Ident. by red skymarkers with yellow flares. Bombed port side of red skymarkers. Unable to assess outside of a glow under cloud. Route and tactics good. Bomb Load same as "A".	✓
30.11.44	Halifax M ME143	F/O Kowalchuk, F.	J27726	P	1626	2319	Target: DUISBURG. Primary. 2008.7 hrs. 19,000 ft. 078°T. IAS 160. 10/10ths cloud, tops at 6,000 ft. Ident. by red and yellow flares, bombed same. No detail seen. Good concentration of A/G over area. Seemed good attack. Bomb Load same as "A".	✓
30.11.44	Halifax P ME252	F/O Kiehlbauch, A.	J18584	P	1612	2301	Target: DUISBURG. Primary. 2010.5 hrs. 17,000 ft. 078°T. IAS 165. 10/10ths cloud, tops at 6,000 ft. Ident. by red skymarkers with yellow flares, bombed same. Red glow on cloud. Unable to assess further owing to cloud conditions. A fair attack. Bomb Load same as "A".	✓

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES	
				Up	Down			
30.11.44	Halifax W ME921	P/O Telford, R.	J87853	P.	1647	2322	Target: DUISBURG. Primary. 2011.3 hrs. 16,000 ft. 078°T. IAS 160. 10/10ths cloud, tops 6,000 ft. Ident. by red flares and yellow stars, bombed same, concentrated. Red glow observed through cloud. Fair attack. Same load load as "A".	✓
30.11.44	Halifax S NP929	P/O Chapman, G.	J27858	P.	1614	2316	Target: DUISBURG. Primary. 2010.4 hrs. 18,000 ft. 078°T. IAS 160. 10/10ths cloud. Ident. by red and yellow flares and bombed same. No results seen because of cloud. Flares and stream well concentrated. Possibly good attack. Bomb load same as "A".	✓
30.11.44	Halifax T NKL26	P/L Eccleston, A.	J26114	P.	1640	2345	Target: DUISBURG. Primary. 2011 hrs. 17000 ft. 078°T. IAS 160. 10/10ths cloud. Ident. by red and yellow flares and bombed same. One large explosion seen after leaving target. Very little glow seen. Flares appeared well concentrated. Effort should be fairly good. Bomb load same as "A".	✓
30.11.44	Halifax V NKL44	P/O Isenberg, H.	J87856	P.	1631	2313	Target: DUISBURG. Primary. 2011.2 hrs. 19,000 ft. 078°T. IAS 160. 10/10ths cloud with tops at 5-6,000 ft. Ident. by red and green. Bombed on red markers. A number of fires had started but owing to cloud conditions difficulty was experienced in getting a good look at the A/P. Consider marking two miles south of A/P but it we are wrong this should result in a good attack. Bomb load same as "A".	✓
30.11.44	Halifax W NP939	P/O Munroe, S.	J28546	P.	1632	2308	Target: DUISBURG. Primary. 2010.7 hrs. 16,000 ft. 078°T. IAS 160. 10/10ths cloud 8-9,000 ft. Ident. by red with yellow flares. Bombed red and yellow concentrated flares. No details seen. A/C well concentrated on target. Bombed good attack. Bomb load same as "A".	✓

