

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
1.11.44.	Halifax NA608 'H'. Target: Oberhausen	P. J.7614 E/L Barnes, H.G. Nav. J.23701 E/O Moulden, J.D. * W/O R161994 E/S McLeod, W.A. W/O J.27781 E/O McGill, R.J. W/O AG. R203774 E/S Bayerle, S.J. W/O AG. R211166 E/S Salantyn, L.J. * P/S. 132216 E/S Ross, J. (RAF) * W/O AG. R36951 E/O Mason, G.A.		1734	2321	Bombing Load. Same as 'A'. T: 2028 hrs. H: 19,500 ft. Two explosions seen after bombing, much larger than bomb bursts. No other results observed. Due to being slightly early, had to dog-leg on last leg to target. Took flak evasive action from predicted flak, from area of Luken Gladbach. Submarine found to be off to S.W. of target and no flares being visible from target area, alternative target was bombed (believed Bochum) as it was impossible to alter course back to primary. After attack, red and green sky markers were seen from T/L.	
1.11.44.	Halifax NA124 'Y'. Target: Oberhausen	P. J.35621 E/O Dingrich, R.W. Nav. J.28848 E/O Vaughan, S.R. W/O J.23277 E/O Gosling, D. W/O J.27355 E/O Kinoh, J. W/O AG. C.96643 E/O Laboran, G.J. P/O AG. J.98161 E/O Hunkilson, W.S. P/S. 1004345 E/S Tait, S. (RAF) W/O AG. R399417 E/O Gordon, T.		1722	2331	Bombing Load. Same as 'A'. T: 2029.3 hrs. H: 19,000 ft. Centre of concentration of red and green sky markers. One large fire, orange flame. One large explosion, black smoke. Post rudder and port elevator damaged over East Moor, due to jettisoning escape hatch.	
1.11.44.	Halifax NT136 'K'. Target: Oberhausen	P. J.26751 E/O Macdonald, J.H. * Nav. J.25352 E/O Neilson, G.P. W/O J.27325 E/O Egan, J. W/O R246930 E/S Walker, A.H. W/O AG. J.40423 E/O Stephens, R.H. * P/O AG. R136673 E/S Cavendish, J.C. * P/S. R131444 E/O Stogryn, J.		1719	2309	Bombing Load. Same as 'A'. T: 2030.6 hrs. H: 20,500 ft. Centre of six red sky markers in V shape. Target fairly well lit up with fires. Odd small explosions seen. Crew suggest more wind could have been used, and start throwing it out sooner, as fighters were seen well before reaching position of dropping window.	
1.11.44.	Halifax LL376 'M'. Target: Oberhausen	P. J.17163 E/L Chapman, T.H. Nav. J.23341 E/O Barron, G.A. W/O J.35533 E/O Edwards, K.J. * W/O R173736 E/O Hollman, S.A. W/O AG. R277008 E/O Sample, D.H. P/O AG. R268151 E/O Shurbrook, D.C. P/S. 1791923 E/O Park, L.P. (RAF) W/O AG. R274951 E/O Griffin, J.D.		1731	2324	Bombing Load. Same as 'A'. T: 2023.2 hrs. H: 20,000 ft. Centre of red and green flares. Red and green were released in one cluster. Spoof P/S and flares were released about 1 mile to port. Fires well under way.	
1.11.44.	Halifax NZ946 'O'. Target: Oberhausen	P. J.38228 E/O Donnelly, J.A. Nav. J.36639 E/O Hufta, A.L. W/O J.36784 E/O Munro, E.W. W/O 43030 E/S Huddle, L.I. (RAF) * W/O AG. R171406 E/O Newman, M.T. P/O AG. R5380 E/O Porter, R.D. P/S. R140028 E/O Boyack, E.W. W/O AG. R133837 E/O Glad, M.		1711	2229	Bombing Load. Same as 'A'. T: 2030 hrs. H: 17,000 ft. Bombed Centre of red and green sky markers. Out of target seen unidentified enemy aircraft go down in flames, exploded on track. Too early on target to see results of bombing. Due to starboard outer engine being 1/2 at 20,00 hrs. 17,500 ft. and oil pressure dropping it became necessary to cut engine, so diverted to Woodbridge.	

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R.A.F.
FORM 541.

DETAIL OF WORK CARRIED OUT

By No. 415 (R.C.A.F.) Squadron

SECRET

PAGE No. 1.

*1331-2311 Wt. 2272-2135 75H 1944 T.S. 800

FOR THE MONTH OF November, 19 44.

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
1.11.44.	Halifax MZ386 'A'. Target: Oberhausen.	P. J. 26400 E/O Nav. J. 36402 E/O A/B. J. 33113 E/O W/O. J. 79644 E/O M/AG. J. 28269 E/O R/AG. E216266 E/S P/S. 1203533 Sgt	W/L <i>W. L. Linnell</i> Magner, J.K. Barkin, D. Foster, D.H. Blackburn, V.H. (RAF) Timmermans, W.G. Lording, W.A. Wood, A.S. (RAF)	1723	2321	Bombing Load. 1 x 2000 lbs. H.C. (Nos Inst.) 5 x 1000 lbs. M.C. (T.D. .025). 1 x 1000 lbs. M.C. (27 Post.) 4 x 500 lbs. (U.S.A.) (M 78 T.D. .025). T: 2029.3 hrs. H: 19,500 ft. Centre of red flares. Markers fairly scattered. Large explosion sending up huge cloud of black smoke occurred at 20.30 hrs. Incendiaries were well concentrated in 1/2 3/4 mile. Fires going good.	<i>Compiled W. Linnell</i>
1.11.44.	Halifax NA610 'B'. Target: Oberhausen.	P. J. 20025 E/L Nav. J. 38706 E/O A/B. J. 38282 E/O W/O. R437868 E/S M/AG. E251574 E/S R/AG. E251449 Sgt P/S. 1140325 Sgt M/AG. E209461 Sgt	Thompson, C.A. Gladding, P. Willard, J.V. Callery, M.P. X Garner, H.C. Stringer, R.J. Banerjee, G.A. (RAF) X Skidmore, W.A.	1750	2332	Bombing Load. Same as 'A'. T: 2030.2 hrs. H: 18,000 ft. Centre concentration of red sky markers. Numerous fires. One large explosion, purple flame.	
1.11.44.	Halifax MZ332 'C'. Target: Oberhausen.	P. J. 36509 E/O Nav. J. 35761 E/O A/B. R184868 E/S W/O. R136144 W/O M/AG. R196102 E/S R/AG. E200775 E/S P/S. 1367640 Sgt	Forbes, F.M. Fornie, J.M. Morris, S.S. Vitaralli, D.A. Robertson, T.M. Scarty, J.C. Afford, R.A. (RAF)	1714	2337	Bombing Load. 1 x 2000 lbs. H.C. (Nos Inst.) 5 x 1000 lbs. M.C. (T.D. .025). 1 x 1000 lbs. M.C. (37 Post.) 3 x 500 lbs. (U.S.A.) (M 78 T.D. .025). T: 2028.0 hrs. H: 19,000 ft. Centre of all flares. White flares in one long string illuminated target below cloud. Fires developing rapidly.	
1.11.44.	Halifax MZ603 'B'. Target: Oberhausen.	P. J. 28738 E/O Nav. J. 37160 E/O A/B. J. 35534 E/O W/O. R189048 E/S M/AG. R771445 E/S R/AG. E215823 E/S P/S. E27066 E/S M/AG. E271316 Sgt	Knobovitch, H. f Orchard, A.B. Anderson, B.B. Harper, J.R. Sealey, C.A. Valde, V.M. Kirkpatrick, S. (RAF) Sidon, A.W.	1730	2327	Bombing Load. Same as 'A'. T: 2029.7 hrs. H: 19,000 ft. Centre of red flares. Markers were numerous and in three groups. Several small explosions and fires seen. A red glow on cloud could be seen on the way out of target area.	
1.11.44.	Halifax NA533 'E'. Target: Oberhausen.	P. J. 29274 E/O Nav. J. 26919 E/O A/B. J. 38241 E/O W/O. J. 42332 E/O M/AG. E260838 Sgt R/AG. E262485 Sgt P/S. 1901001 Sgt M/AG. E274622 Sgt	Reginbald, W.H. Roe, R.H. X Rabkin, H. Zburn, G.J. Wilson, V.E. Morton, H.R. Spence, S.G. (RAF) Molman, J.C. X	1723	2329	Bombing Load. Same as 'A'. T: 2029.5 hrs. H: 19,500 ft. Centre of concentration of red and yellow sky markers. Some fires and explosions. One big explosion light orange flame.	

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A.A.F.
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DETAIL OF WORK CARRIED OUT

By No. 415 (R.C.A.F.) Squadron

SECRET

PAGE No. 2

*52321-23111 WL 20721-2126 72M 1044 T.S. 800

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 NA612 *P. Target: Oberhausen.		P. J. 29072 P/O Deryokore, L.R.		1713	2323	Bombing Load. Same as 'A'. T: 2026 hrs. H: 20,500 ft. Centre of red and green flares. Markers were plentiful and well concentrated. Several fires seen covering an area of two or three miles. Good concentration of aircraft over target.	
		Nav. J. 13844 P/L Beare, P.K.					
		A/B. J. 33894 P/O Switzer, K.G.					
		WOP. J. 39027 P/O Moorhouse, D.T.					
		W/AG. R143763 Sgt Harrigan, G.L.					
		P/Ad. J. 40640 P/O Hanna, W.G.					
P/S. 2210579 Sgt Harrison, A. (RAF)							
W/AG. R219043 Sgt Earns, W.A.							
1.11.44. Halifax 122990 *S. Target: Oberhausen.		P. J. 33172 P/O Moore, S.V.		1804	2340	Bombing Load. Same as 'A'. T: 2035.9 hrs. H: 20,300 ft. Centre of green flares. Markers were plentiful. The red flares were going out but could see plenty of green markers. A large carpet of incendiary fires could be seen covering an area of about five miles.	
		Nav. J. 33745 P/O Wright, R.R.					
		A/B. R174636 Sgt Fuller, P.A.					
		WOP. R123166 W/O Gallard, J.					
		W/AG. R266974 Sgt Grant, J.C.					
		P/Ad. R258659 Sgt Everett, H.A.					
P/S. 3010645 Sgt Hewitt, B. (RAF)							
W/AG. R132923 Sgt Kilgus, A.B.							
1.11.44. Halifax NA511 *T. Target: Oberhausen.		P. J. 37335 P/O McTaggart, D.O.		1736	2330	Bombing Load. Same as 'A'. T: 2023.5 hrs. H: 19,000 ft. Centre of red flares. Two red and one green flares were seen on run-up. No results observed, until leaving target area. Whole city lit up about 20:29.5 hrs.	
		Nav. J. 37111 P/O Pritchard, E.L.					
		A/B. J. 23335 P/O Stack, J.P.					
		WOP. R164664 P/S Taylor, F.S.					
		W/AG. R216753 Sgt Boyle, J.D.					
		P/Ad. R234621 Sgt Allen, C.W.					
P/S. 2209932 Sgt Thompson, W.H.							
W/AG. R279997 Sgt Monkman, A.H.							
1.11.44. Halifax NA600 *U. Target: Oberhausen.		P. J. 19369 P/O Evans, J.W. *		1739	2317	Bombing Load. Same as 'A'. T: 2023.3 hrs. H: 21,000 ft. Centre of red and green. Markers were pretty well scattered. Bombing seemed well concentrated. Spoof P.I.'s seen cascading due west of target, during bombing run.	
		Nav. J. 14493 P/L Davis, R.H.					
		A/B. J. 37033 P/O Beaton, P.					
		WOP. R189523 P/S Dechenbault, J.					
		W/AG. R206997 P/S Dunningham, S.					
		P/Ad. R257547 P/S Stewart, R.W.					
P/S. 1104514 Sgt Bell, M. (RAF) *							
W/AG. R199499 W/O Braithwaite, C.W.							
1.11.44. Halifax NR172 *V. Target: Oberhausen.		P. J. 27553 P/O Sierolawski, R.		1747	2338	Bombing Load. Same as 'C'. T: 2029.0 hrs. H: 21,000 ft. Slightly to port of red markers. During bombing run, red markers were laid. But alteration of course could not be made in time. Five or six minutes after leaving target one explosion was seen from target area, and several fires. 2234 hrs. 3,000 ft. 1 x 1000 lbs. M.C. (37 Pist) hung up over target. <i>Along with...</i> <i>bracket back & base.</i>	
		Nav. J. 37476 P/O Page, J.M.					
		A/B. J. 37368 P/O Joyce, A.E.					
		WOP. R157483 P/S Webb, W.B.					
		W/AG. R208808 Sgt Holden, J.					
		P/Ad. R250546 P/S Vine, J.					
P/S. 1348569 Sgt Wood, J.D. (RAF)							

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
1.11.44.	Halifax NZ632 'W'. Target: Oberhausen.	P. J. 86344 P/O Nav. J. 89730 P/O A/B. J. 21720 P/L W/O. J. 87237 P/O M/AG. R262224 P/S R/AG. J. 98484 P/O P/S. 1868960 Sgt M/AG. R274623 Sgt	Lindquist, G.E. Mahony, E.P. McGuade, J.J. Lemieux, A.H. Hanus, A. Gilbey, G.S. (RAF) O'Connor, H.J.	1757	2322	Bombing Load. Same as 'A'. T: 2029.0 hrs. H: 20,000 ft. Built up area. Markers were too late and behind us. Saw built up area through break in cloud, and dropped bombs. One large explosion seen, and several incendiary fires covering two miles. Could see a large glow on cloud as leaving target.	
1.11.44.	Halifax NR122 'X'. Target: Oberhausen.	P. J. 85399 P/L Nav. R178393 P/S A/B. R182693 P/S W/O. J. 89788 P/O M/AG. R162282 P/S R/AG. R168418 Sgt P/S. 1853384 Sgt	Little, J.D. Hancock, G.H. Bouley, H.W. Smith, H.M. Brynjolfsson, D.V. Bula, W. Cotter, R.S. (RAF)	1724	2308	Bombing Load. Same as 'G'. T: 2029.75 hrs. H: 20,800 ft. Centre of red and yellow and green markers. Markers were about two to three minutes late. They were plentiful, but not too concentrated. Several fires seen covering most of area. Concentration of aircraft good over target.	
1.11.44.	Halifax NZ476 'Y'. Target: Oberhausen.	P. J. 88296 P/O Nav. J. 89749 P/O A/B. J. 35072 P/O W/O. CA12239 W/O M/AG. R300489 P/S R/AG. R253463 P/S P/S. 2203030 P/S	Kerr, J.J. Beilharts, H.J. Hayes, R.A. Varyard, G.P. Willson, E.J. James, R.I. Atkin, D.	1743	2313	Bombing Load. Same as 'C'. T: 2031.0 hrs. H: 21,000 ft. Centre of red markers. Incendiary fires seen below. Seven red and two yellow markers seen closely concentrated. No further results of bombing observed. Very good concentration of aircraft over target.	
2.11.44.	Halifax LL575 'A'. Target: Dusseldorf.	P. J. 18369 P/O Nav. J. 14493 P/L A/B. J. 53033 P/O W/O. R189523 P/S M/AG. R206997 P/S R/AG. R254547 P/S P/S. 1191514 Sgt M/AG. R268991 Sgt	Ellis, J.W. Davis, R.M. Scanlon, P. Draohambault, J. Ounningham, S. Stewart, R.W. Bell, M. (RAF) Graham, J.W.	1600	2045	Bombing Load. 1 x 2000 lbs. H.C. (Pused Nos' Inst.) 6 x 1000 lbs. H.C. (Pused T.D. .025). 5 x 500 lbs. 158 (U.S.A.) (Pused T.D. .025). T: 1946 hrs. H: 6,000 ft. 2 x 500 lbs. (AM' 58 T.D. .025) hung up at jettisoning point. Port Inner Motor out 3044 H0051, 1745.0 hrs. 49,000 ft. Port inner motor started to smoke, belched flame and out. Feathered engine and set course shortest route for target. Lost height to 14,000 ft. Starboard motor started to overheat. Unable to maintain minimum bombing height or to jettison part of load due to cloud, so abandoned mission and proceeded to jettison point 60 miles east of Flamboro Head. <i>General at 0201 N 0312 7702600</i>	
2.11.44.	Halifax NR610 'B'. Target: Dusseldorf.	P. J. 20025 P/L Nav. J. 98786 P/O A/B. J. 38282 P/O W/O. R187888 P/S M/AG. R221574 P/S R/AG. R251449 Sgt P/S. 1140325 Sgt M/AG. R266233 Sgt	Thompson, G.A. Gladding, V. Bellard, J.V. Callvey, H.K. Garns, H.G. Stringer, R.J. Bennett, G. (RAF) Snell, D.K.	1601	2149	Bombing Load. 1 x 2000 H.C. (Pused Nos' Inst.) 6 x 1000 H.C. (Pused T.D. .025) - 5 x 500 lbs. 158 (U.S.A.) (Pused T.D. .025). T: 1917.0 hrs. H: 20,000 ft. Markers seemed very well placed and concentrated. Many good fires under way in and around A/P.	

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U.S.A.F.
FORM 541

DETAIL OF WORK CARRIED OUT

By No. 415 (R.C.A.F.) Squadron

SECRET

PAGE No. 3

*13321-25111 WL 4721-215 734 1944 U.S. 800

FOR THE MONTH OF November 19 44.

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES																											
				Up	Down																													
2.11.44. Halifax ME382 'G'. Target: Dusseldorf.		P. J. 96509 P/O	Forbes, P.L.	1602	2110	Bombing Load. 4 x 3000 lbs. H.C. (Fused Nose Inst). 5 x 1000 lbs. M.C. (Fused T.D. 025) 6 x 500 lbs. M33 (U.S.A.) (Fused T.D. 025). T: 1918.25 hrs. H: 20,500 ft. Centre of Mid.T.L.'s. Ground markers were plentiful and well concentrated. Saw two large explosions, and a large area of the town was in flames. About 1918 hrs. attacked by JUS3 at 3033W. 0500W. from below on port side quarter. Rear turret completely destroyed, rear fuselage and elevator, control flare chute, hydraulics and other damage. On return EFIP attack JUS3 attacked pressing home to 150 yds. Mid. upper and rear air gunners returned fire observing strikes. Rear turret completely destroyed and caused fire in rear fuselage. Rear gunner escaped uninjured but flight engineer injured in back. MI and Rear gunner and crew fought fire and extinguished same. Three men necessary to hold elevator control to enable to land. Crew and captain displayed great courage and co-operation. Flw back with 20 deg. flaps, bomb door open and elevator control almost u/s and considerable damage to aircraft. Landed with flat tail wheel <i>and damage</i>																												
		Nav. J. 35761 P/O	Fernis, J.L.																															
		A/B. R194363 P/S	Morris, S.E.																															
		WOP. R136441 W/O	Wickwall, V.A.																															
		MI/AG. R200775 P/S	Soar, J.G.																															
2.11.44. Halifax UK755 'D'. Target: Dusseldorf.		P. J. 20559 P/O	Mitchell, W.R.	1605	2218	Bombing Load. Same as 'A'. T: 1927.5 hrs. H: 18,000 ft. Numerous bomb bursts, fires and smoke. Flying at 8,000 ft. and engaged by flak over channel 5150N, 0205E. 2055 hrs. <i>Diverted because of damage to flaps</i>																												
		Nav. J. 39327 P/O	Lowridge, R.																															
		A/B. R192714 P/S	Hobbs, B.K.																															
		WOP. R206491 P/S	Mosby, W.D.																															
		MI/AG. R198735 P/S	Gill, W.B.																															
2.11.44. Halifax ME603 'B'. Target: Dusseldorf.		P. J. 23728 P/O	Knobovitch, H.	1606		Bombing Load. Same as 'B'. This aircraft failed to return from operations after taking off.	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sortie</th> <th>Points</th> <th>Op. Hours</th> </tr> </thead> <tbody> <tr><td>28</td><td>103</td><td>143:45</td></tr> <tr><td>27</td><td>99</td><td>135:25</td></tr> <tr><td>26</td><td>95</td><td>129:30</td></tr> <tr><td>26</td><td>95</td><td>129:30</td></tr> <tr><td>29</td><td>106</td><td>132:40</td></tr> <tr><td>27</td><td>99</td><td>133:25</td></tr> <tr><td>27</td><td>99</td><td>133:25</td></tr> <tr><td>32</td><td>114</td><td>134:50</td></tr> </tbody> </table>	Sortie	Points	Op. Hours	28	103	143:45	27	99	135:25	26	95	129:30	26	95	129:30	29	106	132:40	27	99	133:25	27	99	133:25	32	114	134:50
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27	99	133:25																																
32	114	134:50																																
Nav. J. 37160 P/O	Orohard, A.B.																																	
A/B. J. 35574 P/O	Anderson, B.B.																																	
WOP. R189048 P/S	Harper, J.R.																																	
MI/AG. R77145 P/S	Swamy, C.A.																																	
2.11.44. Halifax NA 583 'P'. Target: Dusseldorf.		P. J. 29274 P/O	Reinhold, W.H.	1630		Bombing Load. Same as 'B'. This aircraft failed to return from operation, after taking off.	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sortie</th> <th>Points</th> <th>Op. Hours</th> </tr> </thead> <tbody> <tr><td>7</td><td>23</td><td>41:45</td></tr> <tr><td>6</td><td>24</td><td>36:45</td></tr> <tr><td>6</td><td>24</td><td>36:45</td></tr> <tr><td>7</td><td>28</td><td>41:25</td></tr> <tr><td>7</td><td>28</td><td>42:00</td></tr> <tr><td>7</td><td>28</td><td>42:05</td></tr> <tr><td>6</td><td>24</td><td>36:45</td></tr> <tr><td>21</td><td>79</td><td>109:40</td></tr> </tbody> </table>	Sortie	Points	Op. Hours	7	23	41:45	6	24	36:45	6	24	36:45	7	28	41:25	7	28	42:00	7	28	42:05	6	24	36:45	21	79	109:40
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6	24	36:45																																
21	79	109:40																																
Nav. J. 36919 P/O	Ross, R.H.																																	
A/B. J. 38241 P/O	Hobbin, H.																																	
WOP. J. 42932 P/O	Shure, G.J.																																	
MI/AG. R260838 P/S	Wilson, M.S.																																	

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
2.11.44.	Halifax NA603 'H'. Target: Dusseldorf.	P. J.7644 P/L Barnes, H.G.		1627	2139	Bombing Load. Same as 'B'. T: 1918.2 hrs. H: 20,000 ft. Centre of red T.I.'s. There were both red and green T.I.'s. The red T.I.'s appeared well placed but the green T.I.'s were short. Several small explosions could be seen also small fires starting to spread.	
		Nav. J.20701 P/O Moulden, J.D. X					
		A/B. R16194 P/S Molod, W.A.					
		WOP. J.27731 P/O McGill, R.J.					
		W/AG. R20374 P/S Boyerle, S.J.					
		P/AG. R24466 P/S Bellantyne, I.J.					
		P/S. 182216 P/S Ross, J. (RAF) X					
		P/AG. R269071 Sgt Eaton, G.A.					
2.11.44.	Halifax NF156 'K'. Target: Dusseldorf.	P. J.29751 P/O McAlister, J.H. X		1603	2132	Bombing Load. Same as 'A'. T: 1918.2 hrs. H: 19,500 ft. Centre of T.I.E. P.S.P. very good. One large explosion observed at 1919 hrs. fire followed. Several small scattered fires in area.	
		Nav. J.25232 P/O McAlister, G.F.					
		A/B. J.37825 P/O Ryan, J.					
		WOP. R220530 P/S Walker, A.J.					
		W/AG. J.40423 P/O Stevens, T.H.					
		P/AG. R488873 Sgt Gavanagh, J.B. +					
		P/S. R113144 Sgt Stogryn, J.					
		P/AG. J.43925 P/O Price, F.H.					
2.11.44.	Halifax LL576 'H'. Target: Dusseldorf.	P. J.85399 P/L Kittle, J.D.		1626	2152	Bombing Load. Same as 'B'. T: 1918.4 hrs. H: 19,000 ft. No clouds, vis. good. Centre of green T.I.'s. Saw red and green sky markers, they were plentiful and well concentrated. In the built up area two fairly large fires and several incendiary fires just starting.	
		Nav. R172339 P/S Hancock, G.H.					
		A/B. R152693 P/S Bouvier, W.W.					
		WOP. J.39783 P/O Smith, H.L.					
		W/AG. R162232 P/S Brynjolfson, D. +					
		P/AG. R163449 Sgt Bula, W.					
		P/S. 1353334 Sgt Cotter, R.S. (RAF)					
		P/AG. R274622 Sgt Bishop, J.C.					
2.11.44.	Halifax NA612 'P'. Target: Dusseldorf.	P. J.39072 P/O Dryokors, L.R.		1625	2157	Bombing Load. Same as 'A'. T: 1918.7 hrs. H: 19,500 ft. Markers were well placed and well concentrated. Bombing very well concentrated. 3/4 over Franco marking route and annoying give away position of stream.	
		Nav. J.13344 P/L Drans, R.K.					
		A/B. J.38394 P/O Switzer, K.C.					
		WOP. J.59027 P/O Morhouse, D.T. +					
		W/AG. R143563 Sgt Harrigan, G.L.					
		P/AG. J.40640 P/O Hamm, W.C.					
		P/S. 2210579 Sgt Harrison, A. (RAF)					
		P/AG. R218043 Sgt Evans, W.A.					
2.11.44.	Halifax NA607 'R'. Target: Dusseldorf.	P. J.83296 P/O Kerr, J.I. +		1629	2134	Bombing Load. Same as 'B'. T: 1919.7 hrs. H: 19,000 ft. Centre of red T.I.'s. Ground detail seen indicated that markers were accurately placed. Target area was changing with H/G, one unusually large explosion occurred at 1917 hrs. just to port of A/P.	
		Nav. J.39149 P/O Philharts, H.J.					
		A/B. J.35072 P/O Hayes, R.A.					
		WOP. G48239 P/O Fryard, G.P. X					
		W/AG. R200199 P/S Wilson, R.J. X					
		P/AG. J.18306 P/L McManus, T.R.					
		P/S. 230320 P/S Atkin, D. (RAF) X					
		P/AG. J.22869 P/O MacIntyre, W.C.					

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A.A.F.
FORM 541.

DETAIL OF WORK CARRIED OUT

By No. 415 (R.C.A.F.) Squadron

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*13143-5511 Wt. 5724-1156 724 1044 T.S. 800

FOR THE MONTH OF November, 19 44.

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
2.11.44.	Halifax LW52 'S'. Target: Dusseldorf.	P. J. 83172 P/O Nav. J. 38143 P/O A/B. R174686 P/S WOP. R123166 W/O M/AG. E268354 Sgt P/AG. E258659 Sgt P/S. 2010645 Sgt M/AG. E216266 P/S	Moore, S.W. Wright, R.R. Fuller, P.A. Billard, J. Grant, J.C. Wright, J.A. Pitt, A. (RAF) Lording, W.R.	1636	2148	Bombing Load. Same as 'A'. T: 1920.5 hrs. H: 19,000 ft. Green T.I.'s. Numerous bomb bursts fires and heavy smoke.	
2.11.44.	Halifax NA611 'M'. Target: Dusseldorf.	P. J. 81335 P/O Nav. J. 37111 P/O A/B. J. 28385 P/O WOP. R164664 P/S M/AG. E216178 Sgt P/AG. E254624 Sgt P/S. 2205932 Sgt M/AG. E217997 Sgt	McTaggart, D.C. Pritchard, J.L. Stack, J.E. Taylor, E.H. Boyle, J.V. X Allen, G.W. Thompson, W.H. (RAF) Bonkman, A.H.	1607	2143	Bombing Load. Same as 'A'. T: 1918.5 hrs. H: 19,000 ft. Centre of smoke and green T.I.'s. There was no sky flare on reaching target, but there were three sets of green T.I.'s and two sets of red T.I.'s. The T.I.'s were non-concentrated. Several small explosions could be seen with few incendiary fires.	
2.11.44.	Halifax NA600 'U'. Target: Dusseldorf.	P. J. 2939 P/L Nav. R18913 P/S A/B. R136264 P/S WOP. R118133 W/O M/AG. E227132 Sgt P/AG. E264497 Sgt P/S. R360026 Sgt M/AG. 135887 Sgt	Bears, T. Warron, F.S. Parris, G.C. Vaughan, R.A. Russell, J.A. Taylor, J.H. Watson, V.G. (RAF) Blad, M. (RAF)	1632	2153	Bombing Load. Same as 'A'. T: 1917.0 hrs. H: 19,500 ft. T.I.'s red and sky markers green. Several bomb bursts. 1 x 1000 lb M.G. (T.D. 025) hung up over target. <i>(A. Wright Campaign Record No. 10)</i>	
2.11.44.	Halifax NR172 'V'. Target: Dusseldorf.	P. J. 2753 P/O Nav. J. 37176 P/O A/B. J. 37168 P/O WOP. R45483 P/S M/AG. R208808 Sgt P/AG. R250546 P/S P/S. 1248569 Sgt WOP. J. 2753	Sierolawski, R. Page, J.M. Joyce, A.R. Webb, W.B. Moulton, W. Wine, J. Wood, J.D.	1628	2140	Bombing Load. Same as 'C'. T: 1920.25 hrs. H: 18,500 ft. Red and green T.I.'s and visual. Markers well placed and bombing accurately concentrated. Many large explosions seen.	
2.11.44.	Halifax NZ632 'W'. Target: Dusseldorf.	P. J. 86341 P/O Nav. J. 39730 P/O A/B. J. 24720 P/L WOP. J. 87237 P/O M/AG. 262224 P/S P/AG. R192402 P/S P/S. 1868960 Sgt M/AG. E274623 Sgt	Lindquist, C.L. Mahony, S.P. Munroe, J.J. Lemieux, A.H. Hain, J.R. Hussey, A. Gilbey, C.S. (RAF) O'Connor, H.J.	1604	2146	Bombing Load. Same as 'B'. T: 1918.8 hrs. H: 18,000 ft. Vis. using T.I.R. as a guide. T.I.R. were lying off to starboard of the A/P so bombed on estimated position of A/P, so bombed on estimated position of A/P. First load of incendiaries to bomb after original T.I.'s cascaded fell short and on a poor heading. Main bombing was well concentrated south west of A/P in fully built up area.	

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
2 11.44.	Halifax LR122 'X'. Target: Düsseldorf.	P. J. 11763 P/L Chapman, T.H. 2nd P. J. 12038 P/L Gindmall, A.S. NAV. J. 23341 P/O Barron, G.A. A/B. J. 35343 P/O Edwards, K.L. W/O R173736 W/O Holman, S.A. M/AG. E277008 Sgt Sample, D.L. P/AG. E263151 Sgt Shurbrook, H.C. P/E. 1614306 P/S Robinson, J.		1642	2144	Bombing Load. Same as 'C'. T: 1919.8 hrs. H: 181,00 ft. Green T.I.'s and fires. Numerous bomb bursts. Two large explosions with dark orange flame and considerable heavy smoke. Considerable combat tracks seen on log leaving target.	
4 11.44.	Halifax MR690 'B'. Target: Bochum.	P. J. 20025 P/L Thompson, G.A. NAV. J. 38706 P/O Fladding, E.E. A/B. J. 33282 P/O Mallard, J.V. W/O R187868 P/S Galloway, H.P. M/AG. E231574 P/S Garner, H.C. P/AG. E231443 Sgt Stringer, R.J. P/E. 1440325 Sgt Bancroft, G.A. (RAP) W/AG. E275951 Sgt Kohnen, A.H.		1733	2320	Bombing Load. 1 x 2000 lbs. M.C. (Nose Inst.) 3 x 4000 lbs. M.C. (T.D. .025), 4 x 4000 lbs. M59 (U.S.A.) (S.A.P. T.D. .025), 4 x 500 lbs. M64 (U.S.A.) (T.D. .025). T: 1938.0 hrs. H: 16,500 ft. Centre of red T.I.'s. Could not see many T.I.'s because of smoke. Several large explosions could be seen and incendiary fires covered the major part of the area.	
4 11.44.	Halifax LR755 'D'. Target: Bochum.	P. J. 20579 P/O Mitchell, W.R. NAV. J. 39827 P/O Loweridge, E.D. A/B. R192711 P/S Noble, D.A. W/O R206491 Sgt Mosey, W.D. M/AG. R198785 Sgt Gill, W.V. P/AG. E204409 Sgt Gordon, J.R. P/E. 936631 Sgt Bradley, A.E. (RAP) W/AG. E217740 Sgt McNeill, J.A.		1734	2318	Bombing Load. 1 x 2000 lbs. H.C. (Nose Inst.) 7 x 4000 lbs. M.C. (T.D. .025), 4 x 500 lbs. M64 (T.D. .025). (U.S.A.) T: 1938.5 hrs. H: 16,500 ft. Centre of green T.I.'s. Marking was good. Several medium explosions and fires with heavy smoke. Good concentration of aircraft over target.	
4 11.44.	Halifax MR907 'F'. Target: Bochum.	P. J. 11763 P/L Chapman, T.H. NAV. J. 28944 P/O Dawson, G.A. A/B. J. 35583 P/O Edwards, K.L. W/O R173736 W/O Holman, S.A. M/AG. E277008 Sgt Sample, D.L. P/AG. E263151 Sgt Shurbrook, H.C. P/E. 1594923 Sgt Parks, L.E. (RAP)		1749	2254	Bombing Load. Same as 'D'. T: 1937.9 hrs. H: 18,600 ft. T.I.'s disappeared on hitting ground. Fires were developing. Bombing very concentrated. S/L over France marking track gives away main force position.	
4 11.44.	Halifax MR949 'G'. Target: Bochum.	P. J. 2939 P/L Morris, T. NAV. R189913 P/S Warren, P.C. A/B. R186264 Sgt Garrie, G.C. W/O R188133 W/O Vaughan, E.A. W/O R188133 W/O Vaughan, E.A. M/AG. E252722 Sgt Russell, J.A. P/AG. E261435 Sgt Taylor, J.H. P/E. 1860026 Sgt Weston, V.G. (RAP) W/AG. 153887 Sgt Glad, M. (RAP)		1730.5	2249	Bombing Load. 1 x 2000 lbs. M.C. (Nose Inst.) 4 x 4000 lbs. M.C. (T.D. .025), 6 x 4000 lbs. M59 (U.S.A.) S.A.P. (T.D. .025), 4 x 500 lbs. M64 (U.S.A.) (T.D. .025). T: 1937.5 hrs. H: 16,500 ft. Centre of red T.I.'s. MARKING was good. Several large explosions could be seen and most part of the area in flames.	

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*1531-2117 Wt. 2722-1156 754 1044 T.S. 800

FOR THE MONTH OF November, 19 44.

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
4. 11. 44.	Halifax MA608 'H'. Target: Bochum.	P. J. 37121 P/O	Stewart, D. J.	1732	2314	Bombing Load. Same as 'B'. T: 1939.1 hrs. H: 17,300 ft. Centre of red T.L.'s. surrounded by fires. Several fires and good small explosions. No further results observed.	
		Nav. J. 38339 P/O	Riddart, J. V.				
		A/B. J. 37833 P/O	Summers, E. A.				
		W/O. R28476 P/S	Greaves, A. L.				
		MU/AG. J28869 P/O	Timmermans, W.				
		P/AG. R251152 P/S	McVean, W.				
P/E. R489230 Sgt	Hanford, A. T. (RAF)						
		M/AG. R269051 Sgt	Daton, G. A.				
4. 11. 44.	Halifax MA124 'I'. Target: Bochum.	P. J. 26751 P/O	McGilton, J. H.	1736	2300	Bombing Load. Same as 'G'. T: 1938.4 hrs. H: 17,000 ft. Centre of red T.L.'s. T.L.'s. were numerous enough and appeared well placed. Several large orange glow explosions were seen. About 60% of built-up area was in flames.	
		Nav. J. 27552 P/O	McGillone, G. P.				
		A/B. J. 37825 P/O	Rgan, J.				
		W/O. R240580 P/S	Walker, A. J.				
		MU/AG. J. 40423 P/O	Stevens, D. H. X				
		P/AG. R188877 Sgt	Cavanagh, J. D.				
P/E. R115144 Sgt	Stogryn, J.						
		M/AG. R266233 Sgt	Small, D. K.				
4. 11. 44.	Halifax M2947 'K'. Target: Bochum.	P. J. 18186 P/L	Brown, W. F.	1735	2316	Bombing Load. Same as 'D'. T: 1936.3 hrs. H: 17,000 ft. Centre of red T.L.'s. Good concentration of aircraft over target, with numerous fires. General bombing results good.	
		Nav. J. 20711 P/O	Boyd, W. H.				
		A/B. J. 88016 P/O	Cox, J. C.				
		W/O. J. 27781 P/O	McGill, R. J.				
		MU/AG. R196102 Sgt	Robertson, T. M.				
		P/AG. C. 89648 P/O	LaBercane, C. J.				
P/E. R19621 P/O	Larke, R. B. (RAF)						
4. 11. 44.	Halifax MA576 'N'. Target: Bochum.	P. J. 89252 P/O	Domelly, T. A.	1729	2256	Bombing Load. 1 x 2000 lbs. M.C. (Base Instr.) 7 x 1000 lbs. M59 (U.S.A.) T.D. 025. 4 x 500 lbs. M58 (U.S.A.) S.A.P. T.D. 025. T: 1939.0 hrs. H: 17,500 ft. Centre of concentration of green T.L.'s. Numerous fires and bomb bursts. Three large explosions, orange flames. S/L and light flak 15 to 20 miles to Sthd. aft. 2028N 0445E 2023 hrs. 8,700 ft. Number of aircraft shot off colours of day on crossing the English coast on return.	
		Nav. J. 36839 P/O	Kufka, A. M.				
		A/B. J. 36724 P/O	Bunston, I. L.				
		W/O. 430209 P/S	Keddie, E. I. (RAF) X				
		MU/AG. R71406 Sgt	Wesman, M. D.				
		P/AG. R55880 Sgt	Porter, E. D.				
P/E. R140028 Sgt	Boysak, E. W.						
		M/AG. R182928 Sgt	Kilgore, A. R.				
4. 11. 44.	Halifax MA612 'P'. Target: Bochum.	P. J. 29072 P/O	Barokosa, L. E.	1730	2311	Bombing Load. Same as 'N'. T: 1937.9 hrs. H: 17,500 ft. Markers well concentrated, but some obscured by smoke. One set of T.L.'s. were far off to port. Fires seemed to be developing. Bombing accurate. Aircraft burning Navigation lights over North Sea, target and France on return. S/L in France. One of the main force aircraft.	
		Nav. J. 13844 P/L	Deane, P. E.				
		A/B. J. 30894 P/O	Sutizer, K. G.				
		W/O. J. 89027 P/O	Moorhouse, D. T. X				
		MU/AG. R145563 Sgt	Harrigan, G. L.				
		P/AG. J. 40640 P/O	Hanna, W. C.				
P/E. R2210579 Sgt	Harrison, A. (RAF)						
		M/AG. R218043 Sgt	Kenna, W. A.				

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
4.11.44.	Halifax NA607 'R'. Target: Bochum.	P. J. 85399 E/L Nav. R172939 F/S A/B. R12698 F/S W/E. J. 92188 E/O MU/AG. R162232 F/S R/AG. R162483 O F/S. 1853384 Sgt W/AG. R170538 W/O	Little, J.D. Hancock, C.E. Bouvier, W.W. Smith, H.M. Brynjolfsson, D. Sala, W. Potter, E.S. (RAF) Walker, E.	1726	2307	Bombing Load. Same as 'N'. T: 1937.5 hrs. H: 17,500 ft. Centre of concentration red T.I.'s. Bombing well concentrated. Numerous fires three large explosions, bright orange flame. Track marked by S/L over France.	
4.11.44.	Halifax NA611 'R'. Target: Bochum.	P. J. 83335 F/O Nav. J. 25711 F/O A/B. J. 28885 F/O W/E. R164664 F/S MU/AG. R186738 Sgt R/AG. R254621 Sgt F/S. 2207932 Sgt W/AG. R274622 Sgt	McNaggett, D.O. Pritchard, E.L. Black, J.P. Taylor, P.S. Boyle, J.D. Allen, G.W. Thompson, W.H. (RAF) Holmes, J.C.	1757	2245	Bombing Load. Same as 'N'. T: 1939.5 hrs. H: 18,000 ft. Centre of burning area. Flares obscured by fires although seen to go down. While Target Area seen visually numerous incandescence burning, one fair sized explosion obscured before bombing.	
4.11.44.	Halifax NA600 'U'. Target: Bochum.	P. J. 18869 F/O Nav. J. 11697 E/O A/B. J. 37088 F/O W/E. R18952 F/S MU/AG. R206977 F/S R/AG. R254947 F/S F/S. 1191514 Sgt W/AG. R268791 Sgt	Hins, J.W. Davies, R.W. Scanlon, P. Deochambaud, J. Cunningham, S. Stewart, R.W. Bell, M. (RAF) Graham, J.W.	1743	2258	Bombing Load. Same as 'N'. T: 1940.2 hrs. H: 18,000 ft. Centre concentration of all T.I.'s. Numerous bomb bursts. Large fire over all target. Number of aircraft shot off columns of day on crossing English coast, on return trip.	
4.11.44.	Halifax NR172 'W'. Target: Bochum.	P. J. 21553 F/O Nav. J. 31176 E/O A/B. J. 37768 F/O W/E. R155483 F/S MU/AG. R208808 Sgt R/AG. R270746 F/S F/S. 1348569 Sgt	Sierolawski, B. Page, J.M. Joyce, A.E. Webb, W.B. Moulden, W. Pine, J. Wood, J.D. (RAF)	1743	2250	Bombing Load. Same as 'N'. T: 1941.7 hrs. H: 18,000 ft. Centre of red T.I.'s. Marking was good, plentiful and concentrated. Several explosions and fires could be seen covering a large area.	
4.11.44.	Halifax NR692 'W'. Target: Bochum.	P. J. 86241 F/O Nav. J. 37170 F/O A/B. J. 39957 E/O W/E. J. 87287 F/O MU/AG. R262224 F/S R/AG. R192402 F/S F/S. 1868960 Sgt W/AG. R274623 Sgt	Mundstadt, O.E. Mahoney, E.P. Braithwaite, G. Lemieux, A.H. Makin, G.R. Hannet, A. Gilbey, G.E. O'Connor, H.J.	1742	2310	Bombing Load. Same as 'N'. T: 1938.5 hrs. H: 18,000 ft. Concentration of red T.I.'s. Numerous bomb bursts and fires. Two large explosions, orange flame and black smoke. S/L in France marked track out, two cones of S/L on track in, making necessary to pass between where fighters were concentrated, cones filled with flak.	

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*12342-2511 Wt. 28792-2125 728 1044 T.S. 800

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
4.11.44.	Halifax M2476 'Y'. Target:Bochum.	P. J.88296 P/O Nav. J.97149 P/O A/B. J.33072 P/O W/C. C.AE259 W/O MU/AG. E20019 P/S E/AG. E216266 P/S P/E. 2203020 P/S	Kerr, J.L. Bellharts, H.J. Hayes, R.A. Wynard, G.F. Wilson, F.J. Lording, E.A. Atkin, D. (RAF).	1740	2252	Bombing Load. Same as 'N'. T: 1937.8 hrs. H: 18,500 ft. Centre concentration of red T.I.'s. Several fires and bomb bursts, one large explosion, red flame and black smoke. 1939 hrs. S/L over our territory marked route.	
4.11.44.	Halifax M2361 'Z'. Target:Bochum.	P. J.38172 P/O Nav. J.38745 P/O A/B. R174686 P/S W/C. R123166 W/O MU/AG. E268754 Sgt E/AG. E258659 Sgt P/E. 3040645 Sgt	Moore, S.W. Wright, R.E. Fuller, P.A. Gillard, J. Grant, J.G. Ewart, E.A. Hewitt, E. (RAF).	1738	2255	Bombing Load. Same as 'N'. T: 1938.3 hrs. H: 18,500 ft. Centre of green T.I.'s. Red T.I.'s almost out before bombing. Good concentration of bombing.	
6.11.44.	Halifax M2610 'B'. Target:Gelsenkirchen.	P. J.20025 P/L Nav. J.38706 P/O A/B. J.38282 P/O W/C. R157068 P/S MU/AG. E251574 P/S E/AG. E251849 Sgt P/E. 1140325 Sgt M/AG. R175997 Sgt	Thompson, G.A. Gladding, F. Mallard, J.V. Calloway, M.P. Garnes, H.O. Singer, R.J. Bancroft, G.A. (RAF) Moshman, A.H.	1155	1650	Bombing Load. 1 x 2000 lbs. H.C. (Fused Base Inst.). 6 x 1000 lbs. M9 (Fused T.D. .025). 1 x 1200 lbs. G. (Fused 37 Inst.). 4 x 500 lbs. G.P. (Fused T.D. .025), T: 1414.1 hrs. H: 20,000 ft. Built up area. Master Bomber gave last resort bombing instructions. No markers seen. Found built up area through break in cloud beyond primary. Loads of incendiaries and fires seen in the area bombed.	
6.11.44.	Halifax M2922 'C'. Target:Gelsenkirchen.	P. J.18869 P/O Nav. J.11495 P/L A/B. J.37088 P/O W/C. R189223 P/S MU/AG. E206997 P/S E/AG. E251547 P/S P/E. 1191514 Sgt	Thas, J.W. Davies, R.W. Scanlan, A.P. Deschamps, J. Cunningham, S. Stewart, R.W. Bell, M. (RAF)	1200	1644	Bombing Load. Same as 'B'. T: 1414.8 hrs. H: 21,000 ft. Factory buildings. Saw bombs land partially within buildings. Rest followed road or canal.	
6.11.44.	Halifax M2416 'E'. Target:Gelsenkirchen.	P. J.85389 P/L Nav. R172939 P/S A/B. R152698 P/S W/C. J.87788 P/O MU/AG. R162282 P/S E/AG. R168418 Sgt P/E. 8235384 Sgt M/AG. R170358 W/O	Little, J.D. Hancock, G.E. Bourcier, W.W. Smith, H.L. Brynjolfsson, D. Bala, W. Cotter, R.S. (RAF) Walker, B.	1157	1640	Bombing Load. 1 x 2000 lbs. H.C. (Fused Base Inst.). 7 x 1000 lbs. M9 (Fused T.D. .025). 4 x 500 lbs. G.P. (Fused T.D. .025). T: 1414.4 hrs. H: 21,000 ft. Master Bomber instructed to bomb any built up area. No visual identification of primary. No markers seen. Found a factory through break in cloud. Others bombed this as well. Large column of black smoke rose from this plant. Much bombing done on open fields. An unidentified aircraft was seen jettisoning over the North Sea, near the enemy coast, missing three vessels by no more than 20 yards. Aircraft brought back long up.	

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
6.11.44.	Halifax M2907 'P'. Target: Gelsenkirchen.	P. J. 12038 E/L Nav. J. 29873 E/O A/B. J. 38413 E/O W/O. R193033 Sgt MU/AG. R193283 Sgt R/AG. J. 49952 E/O P/B. R165115 Sgt	Wilmill, A.E. Donley, W.L. Carreau, R.A. Hammor, W.A. Kilgore, A.P. Pegg, P.H. Fox, W.G.	1154	1700	Bombing Load. Same as 'B'. T: 1411.5 hrs. H: 20,500 ft. Built up area. ⁽¹⁰⁻¹¹⁻⁴⁴⁾ Heard Master Bomber as approached the target. Bombed the built up area and a few yards north of the aiming point. Did not see any T.I. except one small group on way out of target. No results seen.	
6.11.44.	Halifax M2949 'G'. Target: Gelsenkirchen.	P. J. 2999 E/L Nav. R188913 E/S A/B. R186264 Sgt W/O. R143433 W/O MU/AG. E25252 Sgt R/AG. E251435 Sgt P/B. 486028 Sgt W/AG. 135887 Sgt	Moars, T. Warren, F.S. Gerris, G.C. Vaughan, B.A. Russell, J.A. Taylor, J.H. Weston, V.G. (RAF) Blad, M. (RAF)	1159	1643	Bombing Load. Same as 'B'. T: 1415.1 hrs. H: 20,500 ft. Slightly to starboard of a large built up area, believed primary. ⁽¹⁰⁻¹¹⁻⁴⁴⁾ Made somewhat with bombing time and area bombed believed primary, but not definitely sure. Two fires over factory built up area. ⁽¹⁰⁻¹¹⁻⁴⁴⁾ No post noticed after bombing. Master Bomber instructed to bomb last resort.	
6.11.44.	Halifax M608 'H'. Target: Gelsenkirchen.	P. J. 764 E/L Nav. J. 28701 E/O A/B. R161894 E/S W/O. R173756 W/O MU/AG. E209374 E/S R/AG. E211166 E/S P/B. 482216 E/S W/AG. E269051 Sgt	Barnes, H.G. Moulden, J.D. Welsod, W.A. Holman, S.A. Raycole, S.J. Ballantyne, L.J. Rome, J. (RAF) Eaton, G.A.	1158	1642	Bombing Load. Same as 'B'. T: 1413.7 hrs. H: 20,500 ft. Built up area. South of target approximately three miles. Master Bomber gave code work to bomb last resort. No results observed.	
6.11.44.	Halifax M124 'I'. Target: Gelsenkirchen.	P. J. 13316 E/L Nav. J. 13370 E/O A/B. R179641 Sgt W/O. R196609 E/S MU/AG. E249476 E/S R/AG. E266233 Sgt P/B. 1996898 Sgt W/AG. E248043 Sgt	McAllister, J.E. Montgomery, A.H. Moyses, E.A. Rhodes, J.G. Smith, G.H. Snell, D.L. Taylor, C. (RAF) Kerns, W.A.	1152	1645	Bombing Load. Same as 'B'. T: 1412.0 hrs. H: 20,000 ft. Cloud observed primary. Master Bomber not heard until after bombing. Found factory through break in cloud. No results observed.	
6.11.44.	Halifax M2947 'K'. Target: Gelsenkirchen.	P. J. 13186 E/L Nav. G. 2206 E/L A/B. J. 38133 E/O W/O. J. 27731 E/O MU/AG. R186485 Sgt R/AG. G. 89645 E/O P/B. 179621 E/O	Brown, W.F. Thompson, D.P. Baptiste, J.J. McGill, R.J. Lovie, G. Labrecque, C.J. Larke, P.M. (RAF)	1153	1646	Bombing Load. Same as 'B'. T: 1414.9 hrs. H: 20,000 ft. Centre of green T.I.'s. ⁽¹⁰⁻¹¹⁻⁴⁴⁾ There were numerous T.I.'s, and they appeared well placed, in the built up area. Two large fires could be seen. ⁽¹⁰⁻¹¹⁻⁴⁴⁾ Aircraft brought back long up.	

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APPENDIX

I.A.F.
Form 561.

DETAIL OF WORK CARRIED OUT

By No. 415 (R.G.A.A.F.) Squadron

SECRET

PAGE No. 7

(1936-37) W. 2222-112, 700 21; I.A. 700
(1939-40) W. 2222-121, 1200 114, I.A. 700

FOR THE MONTH OF November, 1944

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
6.11.44.	Halifax L1576 'H'. Target: Gelsenkirchen.	P. J. 38252 P/O Nav. J. 36839 P/O A/B. J. 36721 P/O W/O. 430209 P/S M/AG. E97380 Sgt R/AG. E74406 Sgt P/E. R140023 Sgt M/AG. E258791 Sgt	Donnelly, T.A. Kufis, A.M. Bunton, I.L. Kaddie, L.I. (RAF) Porter, R.D. Mason, M.D. Boysak, R.W. Graham, J.W.	1156	1653	Bombing Load. Same as 'B'. T: 1412.2 hrs. H: 20,000 ft. Built up area. One small fire. Great quantity of heavy smoke. Number of incendiaries brought back long up.	
6.11.44.	Halifax NA607 'R'. Target: Gelsenkirchen.	P. J. 20779 P/O Nav. J. 79221 P/O A/B. E452711 P/S W/O. E206191 Sgt M/AG. E19875 Sgt R/AG. E204409 Sgt P/E. 936931 Sgt	Mitchell, W.E. Loverage, R.D. Hoble, D.A. Hoscy, W.D. Hill, W.B. Gordon, J.E. Ridley, A.E. (RAF)	1149	1647	Bombing Load. Same as 'B'. T: 1414.0 hrs. H: 21,000 ft. Master Bomber instructed to bomb last resort. Saw factory through break in cloud.	
6.11.44.	Halifax NA611 'P'. Target: Gelsenkirchen.	P. J. 87335 P/O Nav. J. 37711 P/O A/B. J. 28885 P/O W/O. E164664 P/S M/AG. E216758 Sgt R/AG. E254621 Sgt P/E. 2209922 Sgt M/AG. E274622 Sgt	McTaggart, D.G. Fritchard, E.L. Stack, J.P. Taylor, P.E. Boyle, J.D. Allen, G.W. Thompson, W.H. (RAF) Molcan, J.C.	1151	1655	Bombing Load. Same as 'B'. T: 1414.5 hrs. H: 19,500 ft. Factory. Heard Master Bomber instructions to bomb built up area. Bombed factory slightly south of aiming point. Saw several large fires in the built up area. Starboard flap and starboard inner engine and starboard fuselage holed.	
6.11.44.	Halifax NR172 'V'. Target: Gelsenkirchen.	P. J. 27793 P/O Nav. J. 27176 P/O A/B. J. 37768 P/O W/O. R157483 P/S M/AG. E202028 Sgt R/AG. E250546 P/S P/E. 4348569 Sgt	Strolawski, R. Page, J.M. Jones, A.H. Webb, W.E. Houlden, W. Wine, J. Wood, J.D.	1148	1651	Bombing Load. Same as 'B'. T: 1413.5 hrs. H: 19,500 ft. Built up area. Did not hear Master Bomber, and did not see any P.L.'s. Could see a large built up area rather clearly, so bombed it. Bombing appeared scattered.	
6.11.44.	Halifax M2632 'H'. Target: Gelsenkirchen.	P. J. 86941 P/O Nav. J. 89770 P/O A/B. J. 24982 P/L W/O. J. 87287 P/O M/AG. E262228 P/S R/AG. J. 90301 P/O P/E. 1268960 Sgt M/AG. E274623 Sgt	Andquist, G.E. Mahoney, E.P. Atkins, E. Lewison, A.H. Hain, J.E. Hammett, A. Silbey, C.E. (RAF) O'Connor, H.J.	1150	1652	Bombing Load. Same as 'B'. T: 1413.6 hrs. H: 19,500 ft. Built up area. Fires and smoke, numerous bomb bursts and incendiary fires. Bombed starboard inner damaged oil cooler pipe. Aircraft brought back long up.	

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
6. 11. 44.	Halifax MR122 'X'. Target: Gelsenkirchen.	P. J.29072 P/O Nav. J.13844 P/L A/B. J.38894 P/O W/E. J.89027 P/O MU/AG. R163763 Sgt P/AG. J.40648 P/O P/S. 2210779 Sgt	Deryakere, L.R. Deane, P.K. Sutser, K.G. Hoorhouse, D.T. Harrigan, G.L. Hanna, W.G. Harrison, A.	1147	1638	Bombing Load. Same as 'B'. T: 1412.8 hrs. H: 19,000 ft. Centre of red T.I. ^(1/2) Only few T.I.'s visible and well placed over target. No green T.I.'s visible. Number of fires well ablaze in target area on western outskirts of town to port of track seen well ablaze. Own bombing run very good. Master Bomber not heard. Several bombers seen bombing built up areas and target.	
6. 11. 44.	Halifax M2476 'Y'. Target: Gelsenkirchen.	P. J.26751 P/O Nav. J.29722 P/O A/B. J.37823 P/O W/E. R210730 P/S MU/AG. R188873 P/S P/AG. J.40423 P/O P/S. R143444 Sgt	McQuiston, J.H. McLone, J.F. Kane, J. Walker, A.S. Cavanagh, J.O. Stevens, T.H. Stegryn, J.	1145	1637	Bombing Load. Same as 'B'. T: 1415.0 hrs. H: 19,000 ft. Built up area. Bombs seen to burst on plant. Stick of bombs went into built up area to Port. Just before bombing one large explosion, orange flame and black smoke, fairly heavy industrial haze.	
6. 11. 44.	476 'Y'. Halifax M2664 'Z'. Target: Gelsenkirchen.	P. J.88172 P/O Nav. J.38745 P/O A/B. R174686 P/S W/E. R123166 W/O MU/AG. R268354 Sgt P/AG. R228699 Sgt P/S. 3010645 Sgt	Moore, S.W. Wright, R.R. Fuller, P.A. Billard, J. Grant, J.C. Bewitt, E.A. Rowlett, E.	1146	1641	Bombing Load. Same as 'B'. T: 1413.0 hrs. H: 19,000 ft. Built up area. ^(1/2) Bomb aimer convinced that bombs released over primary by pin points through cloud. Master Bomber heard ordering to bomb last resort. Heavy smoke over target area, with one large area covered with fire. <i>No craft brought back tonight.</i>	
6. 11. 44.	Halifax M2536 'A'. Target: Essen.	P. J.12038 P/L And Crew	Wimill, A.E.	1322	1802	Bombing Load. 1 x 2000 lbs. H.C. (Fused Nose Inst.) 972 x 4 lbs. (Incendiaries) 108 x 4 lbs. ('X' type) Incendiaries. T: 1742.6 hrs. H: 17,000 ft. Estimated centre of town. Master Bomber heard talking to his deputy, but no instructions heard except to bomb ascending T.I.'s when we were some distance off. Huge fire burning in southern end of town. One stick of bombs just short of target by only a few yards, but otherwise bombing all concentrated on target.	See Appendix L
6. 11. 44.	Halifax M2922 'O'. Target: Essen.	P. J.89060 P/O And Crew	Bitt, J.L.	1306	1807	Bombing Load. Same as 'A'. T: 1742.8 hrs. H: 17,000 ft. Master bomber only heard once, sometime before bombing. Instructed to bomb upwind edge of smoke. No T.I.'s were visible, but visual identification certain. Timed run was 40 seconds out, but this is due to faulty winds used by Navigator. No scattered bombing seen. All seemed well concentrated on target.	See Appendix L

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APPENDIX

A.F.
Form 541.

DETAIL OF WORK CARRIED OUT

By No. 415 (B.C.A.F.) Squadron

SECRET

Page No. _____

(1126-511) W. 1222-112 700 814 T.S. 700
(1127-511) W. 1222-112 1200 114 T.S. 700

FOR THE MONTH OF November, 1944.

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
16.11.44.	Halifax NZ416 'E'. Target: Quon.	P. J. 20025 P/L Thompson, C.A. And Crew		1305	1822	Bombing Load. Same as 'A'. T: 1748.6 hrs. H: 17,000 ft. Estimated centre of town. Markers well placed. Starting point of timed run obscured, by cloud, but heard as seen. Master Bomber instructed to bomb on upward edge of smoke. Bombing very good and all confined to town area. (3/3 x 4 lbs. mod. 10" T) Type hung up over target. Rear turret held. Julia 1745 hrs. 17,000 ft.	See Appendix I.
16.11.44.	Halifax NZ499 'G'. Target: Quon.	P. J. 25542 P/O McWadden, S.H. And Crew		1303	1808	Bombing Load. Same as 'A'. T: 1542.1 hrs. H: 16,300 ft. Centre of upward edge of smoke. Master Bomber instructed Plokwik Bombing. Bombing accurate and much fire and smoke seen. T.L.'s were not seen until leaving target.	See Appendix I.
16.11.44.	Halifax NA124 'I'. Target: Quon.	P. J. 11816 P/L Northrop, J.E. And Crew		1311	1817	Bombing Load. Same as 'A'. T: 1545.0 hrs. H: 16,300 ft. Estimated centre of town. Master Bomber could be heard quite clearly, gave orders to bomb Plokwik. Considerable smoke and a few good fires could be seen. Bombing appeared very concentrated. No markers seen.	See Appendix I.
16.11.44.	Halifax NZ467 'K'. Target: Quon.	P. J. 13316 P/L McAllister, J. And Crew		1302	1816	Bombing Load. Same as 'A'. T: 1542.7 hrs. H: 16,300 ft. Large explosion in centre of smoke. Fire run unable to be carried out due to 10/10 cloud over Ashcom. Master Bomber could be heard, but not understood. Few fires seen through smoke. Good bombing concentration. (1 x 60 x 4 lbs. mod. 10" T) Type hung up over target. Good attack but Master Bomber could not be heard.	See Appendix I.
16.11.44.	Halifax NZ483 'M'. Target: Quon.	P. J. 87335 P/O McTaggart, D.A. And Crew		1259	1815	Bombing Load. Same as 'A'. T: 1544.3 hrs. H: 15,000 ft. Upward edge of smoke, short of green T.L.'s. Master Bomber was not clear on either frequency - gave Plokwik instructions. Bombing appeared very concentrated. Considerable smoke rising to 4,000 ft. Damage to starboard wing and fuselage, target 1545 hrs. 15,000 ft.	See Appendix I.
16.11.44.	Halifax LA576 'N'. Target: Quon.	P. J. 26771 P/O McQuiston, J.H. And Crew		1300	1814	Bombing Load. Same as 'A'. T: 1543.0 hrs. H: 16,000 ft. Centre of town. Numerous bomb bursts, several fires, incendiaries, smoke to 6,700 ft. (Brownish) No T.L.'s seen. (3 x 40 x 4 lbs. mod. 10" T) Type hung up over target.	See Appendix I.

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
16.11.44	Halifax MA612 'F' Target: Queen	P. J. 29072 P/O Dwyer, L.R. And Crew		1304	1827	Bombing Load. Same as 'A'. T: 1543.1 hrs. H: 16,000 ft. Bridge crossing river at target. Green T.L.'s. Numerous bomb bursts, and some smoke. Could not hear Master Bomber.	See Appendix I.
16.11.44	Halifax MA607 'E' Target: Queen	P. J. 88392 P/O Donnelly, T.A. And Crew		1310	1823	Bombing Load. Same as 'A'. T: 1543.1 hrs. H: 15,500 ft. Centre of smoke. Master Bomber could not be heard, transmission very erratic. Concentration of smoke 8/10,000 ft. Bombing appeared very concentrated.	See Appendix I.
16.11.44	Halifax LF552 'S' Target: Queen	P. J. 5100 P/L Horsey, J.C. And Crew		1313	1803	Bombing Load. Same as 'A'. T: 1542.0 hrs. H: 15,500 ft. Centre of town, visually. Some incendiaries seen falling up to two miles short. Gun bombing run good. Volume of brown smoke. Master Bomber heard instructing to bomb upwind edge of smoke.	See Appendix I.
16.11.44	Halifax NR172 'V' Target: Queen	P. J. 90221 P/O Lewis, W.D. And Crew		1308	1807	Bombing Load. Same as 'A'. T: 1540 hrs. H: 500 ft. Upwind edge of smoke, and town visually. Master Bomber instructed to bomb upwind edge of smoke. T.L.'s seen western edge of town. Bombed according to Master Bomber instructions. Dense smoke over target.	See Appendix I.
16.11.44	Halifax MZ632 'W' Target: Queen	P. J. 7614 P/L Barnes, H.G. And Crew		1317	1811	Bombing Load. Same as 'A'. T: 1541.5 hrs. H: 15,000 ft. Ground detail of town. Big explosion (yellowish orange flame) Numerous bomb bursts and fire, smoke to 8,000 ft. (2 x 90 x 4 lbs. Inods. 10 ⁶ "X" Type) hung up over target. One aircraft had transmitter on which drowned out Master Bomber. (Master Bomber spoke too quickly when heard) Release call given, but no call signs heard 1515 hrs. so stayed at bombing height.	See Appendix I.
16.11.44	Halifax NR122 'X' Target: Queen	P. J. 85509 P/L Little, J.D. And Crew		1309	1779	Bombing Load. Same as 'A'. T: H: Jet-limited 3 x 90 x 4 lbs. inod. (10 ⁶ "X" Type) 1 x 2000lb H.C. (Fused Wagon Load) (Type 60-20) at 1540 hrs. 1630 hrs. 7,000 ft. to lighten load. 2 x 50 x 4 lbs. inod. (10 ⁶ "X" Type) brought back due to being unable to make definite identification of target. Starboard outer engine w/a. See w/a. Could not see Aachen and could not make a timed run. See w/a. Due to starboard outer engine w/a. Master Bomber gave instructions to bomb PIRWINK. Navigational aids being w/a and to being unable to identify target visually, prevented bombing.	See Appendix I.
16.11.44	Halifax MZ261 'Z' Target: Queen	P. J. 88172 P/O Moore, S.W. And Crew		1305	1804	Bombing Load. Same as 'A'. T: 1543.2 hrs. H: 15,000 ft. Over-shot T.L.'s. Smoke and fire from previous attacks. Numerous bomb bursts. Pines and smoke to 1,000 ft. 6 x 4 lbs. "X" Type Inods. 34 x 4 lbs. Inods. hung up over target.	See Appendix I.

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OPERATIONS RECORD BOOK

APPENDIX

R.A.F.
FORM 541.

DETAIL OF WORK CARRIED OUT

By No. 415 (R.C.A.F.) Squadron

SECRET

PAGE No. 9

*5323-2511 Wk. 2572-1156 75M 1044 T.S. 800

FOR THE MONTH OF November, 1944.

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
18.11.44.	Halifax MZ92 ^{MZ92} 'A'	P. J. 20025	F/L C.A. Thompson.	1225	1900	Bombing Load. 16 x 500 lbs. M.C. (Fused T.D. .025) T: 1904.0 hrs. H: 16,500 ft. Centre of red flares. Sky markers were well concentrated, and plentiful. Results obscured by clouds. Diverted to Crosby.	See Appendix II.
			And Crew.				
18.11.44.	Halifax MZ922 'G'	P. J. 85060	F/O J.L. Brith.	1224	1340	Bombing Load. Same as 'A'. T: 1902.8 hrs. H: 16,000 ft. Centre of red flares. Saw red and green sky markers. They were plentiful and red markers were seen. Markers were fairly well concentrated. No results seen because of clouds. Diverted to Crosby.	See Appendix II.
			And Crew.				
18.11.44.	Halifax MZ907 'F'	P. J. 12038	F/L A.E. Edmell.	1218	1902	Bombing Load. Same as 'A'. T: 1906.3 hrs. H: 16,500 ft. Small concentration of green sky markers. Sky marking was scattered. No light at original diversion Base, and no answer to 'Darky' calls. Landed at Leeming.	See Appendix II.
			And Crew.				
18.11.44.	Halifax MZ949 'G'	P. J. 28542	F/O S.H. McPadden.	1226	1417	Bombing Load. Same as 'A'. This aircraft returned early. Hydraulics line burst at take-off, unable to raise undercarriage. Immediately after take-off endeavoured to raise wheels, unable to do so due to burst hydraulic line in bomb bays. Therefore proceeded to jettisoning point to lighten aircraft and returned to Base.	See Appendix II.
			And Crew.				
18.11.44.	Halifax MA124 'I'	P. J. 11316	F/L J.R. Northrup.	1218.5	1753	Bombing Load. Same as 'A'. T: 1904.4 hrs. H: 16,500 ft. Centre of flares red. Flares red went down at about 1456 hrs. followed by green flares about 7 miles to starboard. Red flares were in straight line across target. No results of attack were seen. Diverted to Crosby.	See Appendix II.
			And Crew.				
18.11.44.	Halifax MZ947 'K'	P. J. 43346	F/L J. McAllister.	1220	1757	Bombing Load. Same as 'A'. T: 1904.5 hrs. H: 17,000 ft. Centre of flares red. Green flares were seen at about 1900 hrs. and red flares at about 1902 hrs. Three red flares were in a straight line, but green flares had burnt out. No results of attack were seen. Diverted to Dishforth.	See Appendix II.
			And Crew.				
18.11.44.	Halifax MZ483 'M'	P. J. 5100	S/L J.C. Howay.	1220	1825	Bombing Load. Same as 'A'. T: 1904.7 hrs. H: 18,000 ft. Disappearing red T.I.'s. Green T.I.'s starboard about 4 miles. Markers appeared quite well concentrated. Easter Bomber could be heard quite clearly. Diverted to Crosby.	See Appendix II.
			And Crew.				

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B

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
18.11.44.	Halifax M2456 ^{M2456} Target: Munster.	P. J. 29072 P/O	L.R. Daryokara. And Crew.	1228	1340	Bombing Load. Same as 'A'. T: 1504.7 hrs. H: 17,500 ft. Red sky markers. The sky markers were going out when bombing. No results were seen due to clouds. Diverted to Crosby.	See Appendix II.
18.11.44.	Halifax M2456 ^{M2456} Target: Munster.	P. J. 88252 P/O	J.A. Donnelly. And Crew.	1229	1743	Bombing Load. Same as 'A'. T: 1506.4 hrs. H: 17,500 ft. Centre green sky markers. Two sets sky markers seen. Green were concentrated on target as indicated by G98 fix. Red and green seen to port about 2 to 3 miles. OR course until ordered to divert to Great Orton. Landed as instructed. Very heavy concentration of bombs fell at same time on same place.	See Appendix II.
18.11.44.	Halifax NA611 'T'. Target: Munster.	P. J. 37335 P/O	D.O. McTaggart. And Crew.	1233	1737	Bombing Load. Same as 'A'. T: 1504 hrs. H: 17,000 ft. Centre red flares. Flares red and flares green seen at about 1501 hrs. followed by flares red. The green flares had burnt out and only three flares red remained. No results of bombing were seen. Diverted to Dighforth.	See Appendix II.
18.11.44.	Halifax NR172 'V'. Target: Munster.	P. J. 90221 P/O	W.D. Lane. And Crew.	1227	1825	Bombing Load. Same as 'A'. T: 1455.5 hrs. H: 17,500 ft. Green markers. Markers concentrated. Difficult to say state of target, but should be fair operation. Three motored homing. No ground detail, but markers and attack appeared concentrated. Diverted to Croft.	See Appendix II.
18.11.44.	Halifax M2632 'W'. Target: Munster.	P. J. 7614 P/L	E.C. Barnes. And Crew.	1230	1735	Bombing Load. Same as 'A'. T: 1504.6 hrs. H: 18,000 ft. Estimated position of flares red. Flares red and flares green went down at about 1501 hrs., but these had burnt out on arrival over target. Markers appeared scattered. No results of the attack were seen. Diverted to Dighforth.	See Appendix II.
18.11.44.	Halifax M2476 'Y'. Target: Munster.	P. J. 26751 P/O	J.H. Mcquiston. And Crew.	1231	1743	Bombing Load. 2 x 500 lbs. G.P. (Fused T.D. .025). 14 x 500 lbs. M.C. (T.D. .025). T: 1507.6 hrs. H: 15,500 ft. Centre green sky markers. Ground detail completely obscured. Followed route until point G, then diverted Washburn. Unable to land so continued to Boreham. Hydraulics u/s on take-off. Unable to raise undercarriage. Intercross u/s on route in over continent. Landed at Boreham, due to shortage of fuel.	See Appendix II.
18.11.44.	Halifax M2861 'Z'. Target: Munster.	P. J. 88172 P/O	S.W. Mooers. And Crew.	1232	1746	Bombing Load. 12 x 500 lbs. G.P. (Fused T.D. .025). 14 x 500 lbs. M.C. (T.D. .025). T: 1503 hrs. H: 18,000 ft. Flares red. Green flares went down at about 1457 hrs. followed by red flares. Green flares appeared some distance starboard of red flares which were fairly concentrated. No results of the attack were seen. Diverted to Dighforth.	See Appendix II.

OPERATIONS RECORD BOOK

APPENDIX

R.A.F.
FORM 541.

DETAIL OF WORK CARRIED OUT

By No. 417 (R.C.A.F.) Squadron

SECRET

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*12343-2511) Wt. 2722-1155 75M 10144 T.S. 200

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 M336 'A' Target: Castrop-Rauxel.	P. J. 29060 P/O	J.L. Britt, And Crew	1555		Bombing Load. 1 x 500 lbs. M.C. (37 Pist) 15 x 500 lbs. M.C. (T.D. .025). T: 1901.5 hrs. H: 19,000 ft. Centre of "A" 1901.7 hrs. 19,000 ft., combat with Me 109 which approached from port beam passing to port quarter slightly above at 400 yds distance. MU/AG opened fire, one second burst which was returned by e/a. MU/AG fired another one second burst, then 2 second burst; e/a dived, disappearing down. Shortly after combat something was seen to hit the ground, claim "B".	See Appendix III & XI.
21.11.44	Halifax M690 'B' Target: Castrop-Rauxel.	P. J. 20559 P/O	W.R. Mitchell, And Crew	1559		Bombing Load. 1 x 500 lbs. G.P. (37 Pist) 15 x 500 lbs. M.C. (T.D. .025) T: 1901.2 hrs. H: 19,000 ft. Centre of red T.L.'s. Number of bomb bursts around T.L.'s. Fires started in target area. Well concentrated attack. R.F.P. good. Route good. Diverted to Wambledon.	See Appendix III.
21.11.44	Halifax M2416 'B' Target: Castrop-Rauxel.	P. J. 28606 P/O	E.W. Falconer, And Crew	1550	2210	Bombing Load. Same as 'B'. T: 1901.7 hrs. H: 19,000 ft. Centre of concentration of T.L.'s red. Marking good, no fires. Good concentration of bombing. Large explosion, approx. 1902.5 hrs. Good prange. Bombing concentrated around T.L.'s. Diverted to Wambledon.	See Appendix III.
21.11.44	Halifax M2907 'F' Target: Castrop-Rauxel.	P. J. 12038 P/L	Wmsill, A.E. And Crew	1544	2215	Bombing Load. 15 x 500 lbs. M.C. (T.D. .025) 3 x 500 lbs. G.P. T: 1905 hrs. H: 19,000 ft. T.L.'s well concentrated. Explosions well concentrated in target area. Large fires billowing heavy black smoke. Very good results. Diverted to Wambledon.	See Appendix III.
21.11.44	Halifax M2949 'G' Target: Castrop-Rauxel.	P. J. 2939 P/L	T. Meers, And Crew	1545	2302	Bombing Load. Same as 'B'. T: 1905.4 hrs. H: 19,000 ft. Concentrations of red T.L.'s. Target appeared well marked, and bombing well placed. Many aircraft had navigation lights on over enemy territory. Diverted to Wambledon.	See Appendix III.
21.11.44	Halifax M124 'I' Target: Castrop-Rauxel.	P. J. 18316 P/L	J.R. Northrup, And Crew	1545.5	2157	Bombing Load. 1 x 500 lbs. M.C. (37 Pist); 9 x 500 lbs. M.C. (T.D. .025); 6 x 500 lbs. G.P. (T.D. .025). T: 1901 hrs. H: 19,000 ft. Centre of red T.L.'s. T.L.'s were concentrated. No fires. Good concentration. Large explosion at approx. 1901.5 hrs. Good attack. Well marked target. R.F.P. good. Route well laid out. Diverted to Wambledon.	See Appendix III.
21.11.44	Halifax M2947 'H' Target: Castrop-Rauxel.	P. J. 13316 P/L	J.B. McAllister, And Crew	1542	2237.5	Bombing Load. 1 x 500 lbs. M.C. (37 Pist); 15 x 500 lbs. M.C. (T.D. .025). T: 1903.2 hrs. H: 18,000 ft. T.L.'s red. Two large explosions observed on run in to target. Several sticks of bombs seen dropping across T.L.'s. T.L.'s well concentrated and numerous. Very good attack. Tactics very good. Diverted to Wambledon.	See Appendix III.

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OPERATIONS RECORD BOOK

APPENDIX

A.A.F.
FORM 541.

DETAIL OF WORK CARRIED OUT

By No. 417 (R.C.A.F.) Squadron

SECRET

PAGE NO. 30

*12345-2511 Wt. 2722-2156 734 30144 T.S. 800

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 M2386 'A'	P. J. 28060 P/O J.L. Britt		1755		Bombing Load. 1 x 500 lbs. M.C. (37 Pist) 15 x 500 lbs. M.C. (T.D. .025). T: 1901.5 hrs. H: 19,000 ft. Centre of red T.L.'s. Number of bomb bursts seen around T.L.'s. Large pall of black smoke seen over T.L.'s on run up to target. Large explosion red and orange seen at 1905 hrs. around T.L.'s. One engine went on fire on landing. Followed route from points B to G to make up time. Well concentrated attack. P.F.P. markers good. Route out of target encountered fighters. Diverted to Wobleson.	See Appendix III & XII.
21.11.44.	Halifax M2680 'B'	P. J. 20559 P/O W.R. Mitchell		1759		Bombing Load. 1 x 500 lbs. G.P. (37 Pist) 15 x 500 lbs. M.C. (T.D. .025) F: 1901.2 hrs. H: 19,000 ft. Centre of red T.L.'s. Number of bomb bursts around T.L.'s. Fires started in target area. Well concentrated attack. P.F.P. good. Route good. Diverted to Wobleson.	See Appendix III.
21.11.44.	Halifax M2816 'B'	P. J. 28606 P/O E.W. Falconer		1750	2210	Bombing Load. Same as 'B'. T: 1901.7 hrs. H: 19,000 ft. Centre of concentration of T.L.'s red. Marking good, no fires. Good concentration of bombing. Large explosion, approx. 1902.5 hrs. Good prang. Bombing concentrated around T.L.'s. Diverted to Wobleson.	See Appendix III.
21.11.44.	Halifax M2907 'F'	P. J. 12038 P/L Wmsill, A.E.		1544	2215	Bombing Load. 15 x 500 lbs. M.C. (T.D. .025) 3 x 500 lbs. G.P. F: 1905 hrs. H: 19,000 ft. T.L.'s well concentrated. Explosions well concentrated in target area. Large fires following heavy black smoke. Very good results. Diverted to Wobleson.	See Appendix III.
21.11.44.	Halifax M2949 'G'	P. J. 2939 P/L T. Moore		1545	2302	Bombing Load. Same as 'B'. T: 1905.4 hrs. H: 19,000 ft. Concentrations of red T.L.'s. Target appeared well marked, and bombing well placed. Many aircraft had navigation lights on over enemy territory. Diverted to Wobleson.	See Appendix III.
21.11.44.	Halifax M124 'I'	P. J. 18316 P/L J.R. Northrup		1545.5	2157	Bombing Load. 1 x 500 lbs. M.C. (37 Pist); 9 x 500 lbs. M.C. (T.D. .025); 6 x 500 lbs. G.P. (T.D. .025). T: 1901 hrs. H: 19,000 ft. Centre of red T.L.'s. T.L.'s were concentrated. No fires. Good concentration. Large explosion at approx. 1901.5 hrs. Good attack. Well marked target. P.F.P. good. Route well laid out. Diverted to Wobleson.	See Appendix III.
21.11.44.	Halifax M2947 'H'	P. J. 13316 P/L J.E. McAllister		1542	2237.5	Bombing Load. 1 x 500 lbs. M.C. (37 Pist); 15 x 500 lbs. M.C. (T.D. .025). T: 1903.2 hrs. H: 19,000 ft. T.L.'s. F.O. Two large explosions observed on run in to target. Several sticks of bombs seen dropping soon as T.L.'s. T.L.'s well concentrated and numerous. Very good attack. Tactics very good. Diverted to Wobleson.	See Appendix III.

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES	
				Up	Down			
21.11.44.	Halifax M2483 'M'	P. G. 841 W/O F. W. Ball.		1749	2247	Bombing Load. Same as 'A'. T: 1902.7 hrs. H: 18,000 ft. Bombing appeared accurate, much smoke. Attack concentrated. Very successful trip. Marking very good. Diverted to Wembleton.	See Appendix III.	
21.11.44.	Halifax M202 'H'	P. J. 28742 P/O S. H. McPadden.		1753	2253.5	Bombing Load. Same as 'B'. T: 1900.9 hrs. H: 18,000 ft. Five T.L.'s red seen over target, no greens seen. After own bombing attack an explosion was observed which caused mushroom of yellow smoke 5139N 0232E, 2040 hrs. 8,000 ft. 1 x 500-lbs. G.P. (37-lb); hung up over target. Diverted to Wembleton. (Additional Range: 506139N 0032E)	See Appendix III.	
21.11.44.	Halifax M2946 'O'	P. J. 87609 P/O D. D. McNeill.		1758	2254	Bombing Load. Same as 'K'. T: 1903.2 hrs. H: 18,000 ft. Red T.L.'s. Very good concentration of T.L.'s, and bombing appeared fairly concentrated. Considerable smoke over the target area. Diverted to Wembleton.	See Appendix III.	
21.11.44.	Halifax M3766 'Q'	P. J. 90221 P/O W. D. Lane.		1758	2258	4 x 744 'Q' Attacked at position 5108N 0640E at 1917 hours, 18,000 ft. on homeward trip by one PW 190 which approached from dead astern slightly below; crossed to port. MU/AG fired 50 rounds as A/C carried out corkstrew maneuver. Strikes were observed on E/A fuselage when E/A 400 yards away and then broke away in almost vertical dive. No smoke or fire seen and E/A disappeared in darkness and not seen again, claim 'Q's.	7,800 ft. Large marking to the Wembleton. VI & VII.	See Appendix III.
21.11.44.	Halifax M3732 'S'	P. J. 43869 P/O J. W. Pina.		1741	2248	observed on E/A fuselage when E/A 400 yards away and then broke away in almost vertical dive. No smoke or fire seen and E/A disappeared in darkness and not seen again, claim 'Q's.	7,000 ft. peared 'S'.	See Appendix III.
21.11.44.	Halifax M611 'P'	P. J. 37333 P/O D. C. McFaggart.		1745	2248	Bombing Load. Same as 'K'. T: 1902.3 hrs. H: 18,000 ft. Centre of main concentration of red T.L.'s. Few bomb bursts around T.L.'s. Good attack. Well concentrated. Route good. Diverted to Wembleton.	See Appendix III.	
21.11.44.	Halifax M608 'U'	P. J. 27733 P/O E. Sierolawski.		1752	2240	Bombing Load: 16 x 500 lbs. M.C. (T.D. .025). T: 1906 hrs. H: 17,000 ft. T.L.'s red visual. T.L.'s plentiful and concentrated. Large explosion and fires concentrated. Damaged fighter ME 109 tailplane shot up. One engine slightly damaged hydraulics. Diverted to Wembleton.	See Appendix III. VIII, IX & X.	
21.11.44.	Halifax M2632 'W'	P. J. 36341 P/O Lindquist, G.E.		1757	2300.5	Bombing Load. Same as 'K'. T: 1905.7 hrs. H: 17,000 ft. Centre red T.L.'s. Bombing very accurate. A dozen large explosions with flame seen to billow. Diverted to Wembleton.	See Appendix III.	
21.11.44.	Halifax M222 'X'	P. J. 37121 P/O Stewart, D.J.		1742	2244	Bombing Load. Same as 'K'. T: 1902 hrs. H: 17,000 ft. Marking scattered, no fires. Good prang. Diverted to Wembleton.	See Appendix III.	

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
21.11.44.	Halifax NZ483 'M'	P. C.841 W/C P. W. Ball		1549	2247	Bombing Load. Same as 'A'. T: 1902.7 hrs. H: 18,000 ft. Bombing appeared accurate, much smoke. Attack concentrated. Very successful trip. Marking very good. Diverted to Womblesdon.	See Appendix III.
21.11.44.	Halifax NZ202 'N'	P. J.26942 P/O S. H. McFadden		1553	2255.5	Bombing Load. Same as 'B'. T: 1900.9 hrs. H: 18,000 ft. Five T.L.'s red seen over target, no greens seen. After bombing attack an explosion was observed which caused mushroom of yellow smoke 5137M 0232s, 2040 hrs. 8,000 ft. 1 x 500 lbs. G.P. (57-21st); hung up over target. Diverted to Womblesdon. 8.11.44. 2032E 2030 ft.	See Appendix III.
21.11.44.	Halifax NZ246 'O'	P. J.85609 P/O D. D. McNeill		1558	2254	Bombing Load. Same as 'K'. T: 1903.2 hrs. H: 18,000 ft. Red T.L.'s. Very good concentration of T.L.'s, and bombing appeared fairly concentrated. Considerable smoke over the target area. Diverted to Womblesdon.	See Appendix III.
21.11.44.	Halifax MK766 'Q'	P. J.				Bombing Load. Same as 'K'. T: 1904.1 hrs. H: 17,800 ft. Centre of green T.L.'s. Bombing concentrated. Large red glow in centre of target area. Much smoke, marking plentiful. Boat turret w/s. See w/s throughout the trip. Inaccurate wind forecast. Diverted to Womblesdon.	See Appendix III. VI & VII.
21.11.44.	Halifax MK032 'S'	P. J.				Bombing Load. Same as 'K'. T: 1901.0 hrs. H: 17,000 ft. Centre of all red and green T.L.'s. T.L.'s appeared very well concentrated. Target well marked. Main bombing force seemed to undershoot the target. Diverted to Womblesdon.	See Appendix III.
21.11.44.	Halifax MK611 'T'	P. J.37335 P/O D. G. McTaggart		1545		Bombing Load. Same as 'K'. T: 1902.3 hrs. H: 18,000 ft. Centre of main concentration of red T.L.'s. Few bomb bursts around T.L.'s. Good attack. Well concentrated. Route good. Diverted to Womblesdon.	See Appendix III.
21.11.44.	Halifax MK608 'U'	P. J.27553 P/O E. Siemolawski		1552	2240	BOMBING LOAD: 16 x 500 lbs. M.C. (T.D. 025). T: 1906 hrs. H: 17,000 ft. T.L.'s red visual. T.L.'s plentiful and concentrated. Large explosion and fires concentrated. Damaged fighter ME 109 tailplane shot up. One engine slightly damaged hydraulics. Diverted to Womblesdon.	See Appendix III. VIII, IX & X.
21.11.44.	Halifax NZ632 'W'	P. J.36341 P/O Lindquist, G.E.		1557	2300.5	Bombing Load. Same as 'K'. T: 1905.5 hrs. H: 17,000 ft. Centre red T.L.'s. Bombing very accurate. A dozen large explosions with flames soon to billow. Diverted to Womblesdon.	See Appendix III.
21.11.44.	Halifax NR222 'X'	P. J.37121 P/O Stewart, D. J.		1542	2214	Bombing Load. Same as 'K'. T: 1902 hrs. H: 17,000 ft. Marking scattered, no fires. Good prang. Diverted to Womblesdon.	See Appendix III.

OPERATIONS RECORD BOOK

APPENDIX.....

R.A.F.
FORM 541.

DETAIL OF WORK CARRIED OUT

By No. 415 (R.C.A.F.) Squadron.

SECRET

PAGE No. 11.

*13343-2511) Wt. 27922-2155 728 1044 T.S. 150

FOR THE MONTH OF November, 1944.

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
27.11.44.	Halifax NA610 'B'. Target: Noss.	P. J. 85060 And Crew.	F/O Britt, J.L.	1713	2214	Bombing Load. 1 x 2000 lbs. H.C. 5 x 1000 lbs. S.A.P. 6 x 500 lbs. G.P. (T.D. 052). T: 2028.5 hrs. H: 19,000 ft. Centre of red T.I.'s. Target appeared well marked. Sky markers green with yellow stars slightly to port of red T.I.'s. Bombing was concentrated and numerous fires were seen. Flak holes in port side of fuselage, presumed in target area. Diverted to Attlebridge.	See Appendix IV.
27.11.44.	Halifax NA181 'D'. Target: Noss.	P. J. 20579 And Crew.	F/O Mitchell, W.R.	1653	2219	Bombing Load. Same as 'B'. T: 2032.5 hrs. H: 19,000 ft. Incendiary fires. T.I.'s red and sky markers green went out just before reaching target, so bombed incendiary fires below from where T.I.'s red were seen during run up. Large red glow seen on run up, but faded out before target was reached. Some small amounts of smoke seen over target. Winds were much stronger and also from opposite direction before target, and A.P.I. and 'Gee' w/s consequently late bombing. Diverted to Attlebridge.	See Appendix IV.
27.11.44.	Halifax NZ416 'E'. Target: Noss.	P. J. 28606 And Crew.	F/O F.W. Falconer.	1654	2224	Bombing Load. Same as 'B'. T: 2025.5 hrs. H: 19,000 ft. Centre of red T.I.'s. Ground marking appeared very good. A large explosion was seen in the vicinity of the red T.I.'s. Bombing appeared well concentrated around red T.I.'s. H2S was u/s. Diverted to Horsham St. Faith.	See Appendix IV.
27.11.44.	Halifax NZ907 'F'. Target: Noss.	P. C. 841 And Crew.	W/C Ball, F.W.	1703	2226	Bombing Load. 1 x 2000 lbs. H.C. 5 x 1000 lbs. S.A.P. 157. 6 x 500 lbs. M.C. T: 2031 hrs. H: 19,000 ft. Centre of green flares, and yellow stars. Glow of numerous heavy explosions only seen below clouds. Diverted on instruction to Ruckhath who turned instruction to Attlebridge. Bombed at 2032.5 hrs.	See Appendix IV.
27.11.44.	Halifax NZ949 'G'. Target: Noss.	P. J. 2939 And Crew.	F/L T. Moara.	1721	2250	Bombing Load. Same as 'F'. T: 2029.0 hrs. H: 18,000 ft. Sky markers green. Only one sky marker seen during bombing run. T.I.'s not seen distinctly enough to bomb target area seemed to be well on fire, with two large palls of smoke being emitted. Own diversion not heard.	See Appendix IV.
27.11.44.	Halifax NR156 'H'. Target: Noss.	P. J. 22339 And Crew.	F/O A. Cruickshank.	1716	2239	Bombing Load. Same as 'F'. T: 2024.0 hrs. H: 18,000 ft. Sky markers. Could see the T.I.'s as going in the target, but they disappeared under cloud. No results could be seen except for a glow on the clouds. Diverted to Horsham.	See Appendix IV.
27.11.44.	Halifax NA124 'I'. Target: Noss.	P. J. 37460 And Crew.	F/O C.A. Chartier.	1651	2220	Bombing Load. Same as 'F'. T: 2023.1 hrs. H: 18,000 ft. Centre green sky markers with yellow stars. A triangle of three green sky markers was seen and picked out on the marker as release point. Red glow seen through cloud. No further results seen. Diverted to Attlebridge.	See Appendix IV.

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
27.11.44.	Halifax MK2947 'K' Target: Nouss.	P. J.3743	P/O J.S. McGuire. And Crew.	1659	2238	Bombing Load. Same as 'P'. T: 2025.5 hrs. H: 18,000 ft. Glow on cloud of red T.I.'s. On the run up saw red T.I.'s cascading, they disappeared in the clouds, but left a bright glow on the clouds. Bomb bursts were seen and seemed well concentrated around T.I.'s. No definite results seen due to clouds. Diverted to Rackheath.	See Appendix IV.
27.11.44.	Halifax MK2947 'L' Target: Nouss.	P. J.28742	P/O McFadden, S.H. And Crew.	1714	2230	Bombing Load. Same as 'B'. T: 2020.5 hrs. H: 18,000 ft. Centre of red T.I.'s. Red T.I.'s were plentiful and well concentrated. One large explosion was seen, believed to be oil in the centre of the T.I.'s. Diverted to Horsham.	See Appendix IV.
27.11.44.	Halifax MK2946 'N' Target: Nouss.	P. J.18869	P/O J.W. Tins. And Crew.	1711	2209	Bombing Load. Same as 'B'. T: 2028.0 hrs. H: 18,000 ft. Centre of T.I.R. T.I.R. well concentrated. One salvo of green T.I.'s seen to land approx 1/2 mile directly to port of marked area. Many heavy red explosions reflected on cloud. Diverted to Attlebridge on instructions from Rackheath.	See Appendix IV.
27.11.44.	Halifax MK2946 'O' Target: Nouss.	P. J.85609	P/O D.H. McNeil. And Crew.	1710	2221	Bombing Load. Same as 'B'. T: 2030.4 hrs. H: 18,000 ft. Centre of fires on the ground. Red T.I.'s and green with yellow stars, went out before reaching target. Saw fires covering quite an area and aimed at the centre of them. Two large explosions seen. Diverted to Attlebridge.	See Appendix IV.
27.11.44.	Halifax MK2946 'P' Target: Nouss.	P. J.37121	P/O D.J. Stewart. And Crew.	1658	2233	Bombing Load. 1 x 2000 lbs. H.C. 4 x 1000 lbs. M.C. 4 x 1000 lbs. S.A.P. H.P. 6 x 100 lbs. G.P. T: 2028.5 hrs. H: 17,200 ft. Centre of T.I.R. Markers were well concentrated. Large red explosion seen at 2027.5 hrs. Lighting up whole area, scattering red T.I.'s. Three loads of incendiaries seen to fall approx 4 miles short of target. Diverted to Attlebridge.	See Appendix IV.
27.11.44.	Halifax MK766 'Q' Target: Nouss.	P. J.90221	P/O W.B. Lane. And Crew.	1700	2222	Bombing Load. Same as 'B'. T: 2023.8 hrs. H: 16,400 ft. Centre of red T.I. On run up first T.I. red was seen to cascade into cloud at 2014 hrs. Others followed and the flow showed a good concentration. The sky markers appeared to be short distance N.E. of the glow of T.I. red. As aircraft left the target the glow reflected on the cloud, suggesting that fires were taking hold and smoke was billowing up to cloud tops. Landed at Downham Market.	See Appendix IV.
27.11.44.	Halifax MK766 'R' Target: Nouss.	P. J.88250	P/O I.A. Donnelly. And Crew.	1708	2218	Bombing Load. Same as 'B'. T: 2028.5 hrs. H: 17,000 ft. Centre of cluster of green sky markers. T.I.'s red could not be seen distinctly enough to bomb on. Red glow seen through cloud. Green sky markers which were bombed seemed to be well grouped with one cluster off slightly to port approx 1000 yds. at 2043 hrs. A series of large orange explosions were observed from target area. Diverted to Attlebridge.	See Appendix IV.

OPERATIONS RECORD BOOK

APPENDIX

R.A.F.
FORM 541.

DETAIL OF WORK CARRIED OUT

By No. 413 (B.C.A.F.) Squadron

SECRET

PAGE No. 12

*2313-2313 Wk. 4222-4225 734 1944 T.S. 800

FOR THE MONTH OF November, 19 44.

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
27.11.44.	Halifax LN552 'S' Target: Nouis.	P. J.86341 P/O	C.E. Lindquist.	1723	2225	Bombing Load. 1 x 2000 lbs. H.C. 5 x 1000 lbs. M.C. 6 x 500 lbs. G.P. T: 2032.7 hrs. H: 17,000 ft. Centre of green sky markers. Bombing appeared well concentrated except for incendiaries which appeared to under shoot. One violent green explosion at 2023 hrs. Markers well concentrated with the exception of one set. Diverted to Wendling.	See Appendix IV.
27.11.44.	Halifax NA611 'P' Target: Nouis.	P. J.87333 P/O	D.C. McTaggart.	1715	2224	Bombing Load. Same as 'B'. T: 2028.5 hrs. H: 17,000 ft. Red glow through cloud. Sky markers had burned out before reaching release point. Bombing appeared somewhat scattered. First red T.L.'s were seen to go down at H. 3 and were later banked up by red and green T.L.'s. No bombing results could be seen. Diverted to Attlebridge.	See Appendix IV.
27.11.44.	Halifax NR172 'V' Target: Nouis.	P. J.26674 P/O	L.R. Balcher.	1712	2237	Bombing Load. Same as 'B'. T: 2033.5 hrs. H: 17,000 ft. Centre of fires. Made a run up to bomb red T.L.'s which burnt out just before attack. Green T.L.'s were slightly off to port. Fires seen to be concentrated in small area. One explosion seen just before attack. Diverted to Attlebridge.	See Appendix IV.
30.11.44.	Halifax ¹¹²⁵⁷⁶ LN483 'A' Target: Duisburg.	P. J.87460 P/O	C. Chartier.	1654	2326	Bombing Load. 16 x 500 lbs. M.C. (Fused T.D. .025). T: 2040.4 hrs. H: 17,000 ft. Centre of sky markers. Markers seemed well placed in relation to glow of T.L.'s on cloud. No startling results observed. Starboard inner engine throttle linkage u/s over Base at 1740 hrs. 1000 ft. Continued on with normal difficulty under circumstances. Generators of port outer and starboard inner not charging at set course time. D.R. compass went u/s. A.P.L. u/s. H2S went u/s. Guns of both barrels went u/s. Fuel gauges fluctuating badly. Kept faulty engine running to maintain 'Gee'.	See Appendix V.
30.11.44.	Halifax LN222 'G' Target: Duisburg.	P. J.88250 P/O	E.A. Donnelly.	1658	2324	Bombing Load. 1 x 2000 lbs. H.C. (Fused Nose Inst). 972 x 4 lbs. Ined. 108 x 4 lbs. Ined. T: 2011.9 hrs. H: 18,000 ft. Sky markers red with yellow stars. Two groups of sky markers seen approx. 2-300 yds. which was largest group. One large fire could be seen burning with glow through cloud. No further results observed. Good concentration of aircraft over target.	See Appendix V.
30.11.44.	Halifax NA610 'B' Target: Duisburg.	P. J.87060 P/O	J.L. Britt.	1710	2320	Bombing Load. Same as 'A'. T: 2009.6 hrs. H: 17,000 ft. Centre of flares. Markers were plentiful and well concentrated. No further results seen except for a concentrated glow on cloud over marked area. Very good concentration over target.	See Appendix V.

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
30.11.44.	Halifax NA131 'D' Target: Duisburg.	P. J. 20559 F/O	W.R. Mitchell. And Crew.	1700	2346	Bombing Load. Same as 'C'. T: 2010.0 hrs. H: 17,000 ft. Centre of red sky markers with yellow stars. Sky markers were plentiful. Bomb bursts could be seen and appeared South of markers. 1 x 90 x 4 lbs. Med. believed to have hung up over target. <i>2009. 1000 ft up</i>	See Appendix V.
30.11.44.	Halifax ME2949 'G' Target: Duisburg.	P. J. 2339 F/L	T. Moore. And Crew.	1711	2331	Bombing Load. Same as 'C'. T: 2010.2 hrs. H: 18,000 ft. Centre of red with yellow stars. Sky markers plentiful, they went out at times. No results seen. 2 x 90 x 4 lbs. Med. believed to be still in bomb bay.	See Appendix V.
30.11.44.	Halifax ME156 'H' Target: Duisburg.	P. J. 22339 F/O	A. Crudiokahank. And Crew.	1707	2334	Bombing Load. Same as 'A'. T: 2010.1 hrs. H: 17,000 ft. Red sky markers with yellow stars. Two sets of red sky markers seen and picked further set which was seen to go down last. White glow seen through cloud from target area. No further results observed. Just as bombs released pilot had to alter course and had to climb due to another Halifax aircraft out across course at right angles.	See Appendix V. XII & XIII.
30.11.44.	Halifax NA124 'I' Target: Duisburg.	P. J. 11316 F/L	J.R. Northrup. And Crew.	1709	2330	Bombing Load. Same as 'A'. T: 2012.2 hrs. H: 17,000 ft. Sky markers red with yellow stars. Four or five sky markers closely concentrated. Bomber stream well concentrated over targets. No results of bombing could be observed due to cloud. Believe markers South East of target according to own 'Geat' Fixer.	See Appendix V.
30.11.44.	Halifax ME249 'J' Target: Duisburg.	P. J. 29194 F/O	G.K. Grier. And Crew.	1721	2349	Bombing Load. Same as 'A'. T: 2013.1 hrs. H: 18,000 ft. Slightly to port of red sky markers with yellow stars. Sky markers appeared slightly to starboard of bombing concentration. No results seen except for one bright concentrated glow on cloud. Concentration of aircraft fair.	See Appendix V.
30.11.44.	Halifax ME2483 'K' Target: Duisburg.	P. J. 12038 F/L	A.M. Minnill. And Crew.	1701	2328	Bombing Load. Same as 'C'. T: 2012.4 hrs. H: 18,000 ft. Centre of red sky markers with yellow stars. Sky markers were rather scattered. No results could be seen except for a slight glow on cloud. Very good concentration of aircraft over target.	See Appendix V.
30.11.44.	Halifax ME2946 'O' Target: Duisburg.	P. J. 3740 F/O	J.S. McGuire. And Crew.	1656	2338	Bombing Load. Same as 'A'. T: 2013.5 hrs. H: 18,000 ft. One sky marker in bomb sight. Some flashes of bomb bursts reflected on cloud. Only two sky markers seen. Bombed on first marker, others seen to drop afterwards in approx. same location.	See Appendix V.

OPERATIONS RECORD BOOK

APPENDIX

R.A.F.
FORM 541.

DETAIL OF WORK CARRIED OUT

By No. 415 (R.C.A.F.) Squadron

SECRET

PAGE No. 13

75311-9511) W.E. 5721-2155 758 10/44 T.S. 800

FOR THE MONTH OF November, 19 44.

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES.
				Up	Down		
30.11.44.	Halifax LW552 'S'. Target: Duisburg.	P. J. 37121 P/O D.J. Stewart. And Crew.		1705	2341	Bombing Load. Same as 'A'. T: 2010.5 hrs. H: 18,000 ft. Sky markers red with yellow stars. Three sky markers closely grouped seen during run up, backed up by others after attack. Marking seemed very good. Glow could be seen through cloud when several miles away.	See Appendix V.
30.11.44.	Halifax NA611 'T'. Target: Duisburg.	P. J. 87325 P/O D.G. McTaggart. And Crew.		1647	2327	Bombing Load. Same as 'C'. T: 2010.5 hrs. H: 19,000 ft. Sky markers red, with yellow stars. Two bunches of sky markers seen, both on track. Bombed furthest concentration of sky markers which were seen to be dropped just on run up. Large flash which appeared to be an explosion seen at approx. 2010.0 hrs. just before own attack.	See Appendix V.
30.11.44.	Halifax NA600 'U'. Target: Duisburg.	P. J. 18869 P/O J.W. Ems. And Crew.		1648	2322	Bombing Load. Same as 'C'. T: 2011.5 hrs. H: 19,000 ft. Sky markers. Centre concentration. Good concentration of sky markers. Reflection of bomb bursts on cloud.	See Appendix V.
30.11.44.	Halifax NR172 'V'. Target: Duisburg.	P. J. 27533 P/O B. Sierolawski. And Crew.		1655	2317	Bombing Load. Same as 'C'. T: 2009.0 hrs. H: 19,000 ft. Red sky markers with yellow stars. Two sky markers red seen during run up very close together. When these burnt out several red sky markers followed. No bombing results observed due to cloud. Good concentration of aircraft over target.	See Appendix V.
30.11.44.	Halifax MZ632 'W'. Target: Duisburg.	P. J. 86341 P/O G. Lindquist. And Crew.		1704	2346	Bombing Load. Same as 'A'. T: 2011.5 hrs. H: 19,000 ft. Centre of two groups of sky markers, red with yellow stars. Markers bombed on were 150 yds. apart, and glow on cloud seemed to be indicative of concentrated bombing.	See Appendix V.
30.11.44.	Halifax NR122 'X'. Target: Duisburg.	P. J. 35420 P/O E.R. Millbank. And Crew.		1713	2345	Bombing Load. Same as 'A'. T: 2010.4 hrs. H: 18,000 ft. Centre of concentration of sky markers. Sky markers well concentrated. Reflection of fire on clouds and several bomb bursts reflections seen.	See Appendix V.
30.11.44.	Halifax MZ476 'Y'. Target: Duisburg.	P. J. 26674 P/O L.R. Balohar. And Crew.		1703	2335	Bombing Load. Same as 'C'. T: 2015.6 hrs. H: 19,000 ft. Glow of explosion below cloud. Sky markers expired before bombing. Luckily an explosion of unusual intensity occurred beneath cloud. Were able to bomb on this. Glow of fires could be seen in area. Fighter flares in Cologne area.	See Appendix V.
30.11.44.	Halifax MZ861 'Z'. Target: Duisburg.	P. J. 88172 P/O S.W. Mowers. And Crew.		1706	2318	Bombing Load. Same as 'C'. T: 2011.3 hrs. H: 19,000 ft. Concentration of sky markers overshoot 2 secs. Very good concentration of sky markers. Red glow on clouds. Bomb burst reflections seen on clouds.	See Appendix V.

Th. B. Ball
26.11.44

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