

OPERATIONS RECORD BOOK

APPENDIX _____

A.P.
FORM 561

DETAIL OF WORK CARRIED OUT

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

SECRET

PAGE No. 1

11721-0111 W/L 4889-014 700 841 T.S. 700
11721-0111 W/L 4889-014 1000 714 T.S. 700

FOR THE MONTH OF JANUARY 1945

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
2.1.45	Lancaster A KB825	F/L Foster, C.	J11973	P	1436	2537	Target: NURNBERG. Primary. 1929.5 hrs. 18,000 ft. 040°T. IAS ✓ 155. No cloud, slight haze. Target ident. Green and Red TI's and illuminating flares. Bombed centre of R & G TI's. A terrific explosion at 1935 and a very large one at 1940. Fires could be seen for at least 50 miles. Smoke up to 10,000 ft. Very good attack. Route and tactics good. Bomb Load: 1 x 4,000 lb MARKING 1050 x 4 lb.
2.1.45	Lancaster B KB835	F/L Buttle, T.	J19178	P	1442	2342	Target: NURNBERG. Primary. 1932.2 hrs. 17,500 ft. 010°T. IAS ✓ 160. Weather clear, some smoke, vis. good. Target ident. Red TI's. Bombed same on inst. of MB. Whole area on fire. Many explosions with one very large up to 10,000 ft. A/C well concentrated. A good attack. HES went u/s. Bomb Load same as "A".
2.1.45	Lancaster C KB829	F/O Barr, D.	J29213	P	1452	2345	Target: NURNBERG. Primary. 1932.2 hrs. 17,000 ft. 068°T. IAS ✓ 155. Weather clear. Target ident. R & G TI's and visual. Bombed visually. On leaving target saw several scattered fires in area. Lots of smoke. Good attack. Bomb Load: 1 x 4,000 lb, 1 x 1000 lb & 10 x 500 lb.
2.1.45	Lancaster D KB830	F/L Burden, T.	J23035	P	1437	0015	Target: NURNBERG. Primary. 1934.4 hrs. 16,500 ft. 025°T. IAS ✓ 155. Weather clear, vis. very good. Target ident. Red T.I. Bombed smoke and red TI's per MB. Many fires and explosions. Marking well concentrated. A very good attack. Bomb Load same as MARKING "G".
2.1.45	Lancaster F KB832	Goulter, F/O MARKING J.	J27630	P	1445	0025	Target: NURNBERG. Primary. 1937.7 hrs. 16,000 ft. 037°T. IAS ✓ 155. Weather clear. Target ident. R & G TI's and visual. Bombed visually. Many large explosions and sheets of Red flames shooting up. Very good attack, well concentrated. Could see fires 100 miles away. B/S and D.E. Compass u/s. Bomb Load same as MARKING "G".

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCE	
				Up	Down			
2.1.45	Lancaster J KB835	P/O Hart, P.	J90792	P	1505	2359	Target: NURNBERG. Primary. 1936.3 hrs. 18,000 ft. 045°T. IAS 160. No cloud, very good vis. Target ident. R & G TI's and visual. Bombed centre of smoke as per MB. At 1938 a very large white explosion with smoke up to 8000 ft. Fires could be seen for 190 miles. Good attack, route and tactics good. Bomb Load same as XXXX "C".	✓
2.1.45	Lancaster L KB842	P/L Bennett, J.	J9189	P	1435	0001	Target: NURNBERG. Primary. 1937.6 hrs. 17,500 ft. 050°T. IAS 160. Weather clear, good vis. Target ident. R & G TI's and visual. Bombed visually as per MB. Large explosion at 1938 and many small ones. Lots of smoke covering whole area. Very good attack and well concentrated. Bomb Load same as XXX "C".	✓
5/6.1.45	Lancaster A KB825	P/O Coulter, L.	J27630	P	1848	0037	Target: HANNOVER. Primary. 2153.6 hrs. 20,000 ft. 140°T. IAS 155. Vis. clear, slight smoke haze. Ident RAG TI and TIL. Fires. Bombed centre of TIR. Many large fires over large concentrated area. Considerable smoke, could see fires for over 100 miles on reaching and leaving target. Excellent attack. Bomb Load: 18 x 500 lb.	✓
5/6.1.45	Lancaster b KB833	P/L Burden, P.	J23035	P	1845	0039	Target: HANNOVER. Primary. 2154.1 hrs. 18,500 ft. 120°T. IAS 200. Clear vis. Hazy. Ident. RAG TI's. Bombed TIR. Much smoke many fires and explosions. A/C well concentrated. Excellent attack. Bomb Load same as "A".	✓
5/6.1.45	Lancaster C KB829	P/O Funnell, R.	J38383	P	1849	0033	Target: HANNOVER. Primary. 2151.1 hrs. 19,000 ft. 139°T. IAS 165. Vis. clear. Ident TI red, bombed same. Large explosions and fires seen 70 miles away, black oily smoke up to 5000 ft. Very good attack. Bomb Load same as "A".	✓

OPERATIONS RECORD BOOK

APPENDIX _____ A.F. FORM 541

DETAIL OF WORK CARRIED OUT

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

SECRET

PAGE No. 3

FOR THE MONTH OF January 19 45

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES	
				Up	Down			
5/6.1.45	Lancaster D KB830	F/L Henry, R.	J1668	P	1856	0048	Target: HANNOVER, Primary. 2153.1 hrs. 20000 ft. 138°T.IAS 155. Vis. clear. Ident TIR and visually. Bombed TI red. Large explosions in and large area of building burning. Large oil explosions with black oily smoke up to 6000 ft. Very good attack. Bomb Load same as "A".	✓
5/6.1.45	Lancaster E KB824	F/L Buttle, T.	J9178	P	1916	0044	Target: HANNOVER, Primary. 2153.2 hrs. 19,000 ft. 140°T.IAS 155. Vis. clear marked only by ground haze. Ident TI B&G. PFF on time and well grouped. TI green did not show up very well. Fires from previous attack could be seen for some 75 miles. A very good attack. Bomb Load same as "A".	✓
5/6.1.45	Lancaster F KB832	P/O Hart, F.	J90792	P	1909	0110	Target: HANNOVER, Primary. 2155 hrs. 19000 ft. 104°T.IAS160. Vis clear. Ident and bombed TIR. PFF Pair. Fires smoke and explosions seen. A/G well concentrated. A good attack. Bomb Load same as "A".	✓
5/6.1.45	Lancaster L KB842	P/O Kitchen, J.	J88996	P	1852	0038	Target: HANNOVER, Primary. 2156.9 hrs. 20000 ft. 131°T.IAS 155. Clear vis. hazy. Ident. Red TI and green. Bombed Red TI. Some fires seen, much smoke. A/G well concentrated. Pretty good attack. Well concentrated. Bomb Load same as "A".	✓
5/6.1.45	Lancaster O KB854	F/L Kiehlbauch, A.	J18584	P	1850	0103	Target: HANNOVER, Primary. 2157 hrs. 19000 ft. 080°T.IAS156. Clear vis - good. Ident. B&G TI and Ill. flares and fires. Bombed centre of concentration of TIR. Many fires burning all and many explosions, fires seen for 100 miles after leaving target. Very good attack. Bomb Load same as "A".	✓
5/6.1.45	Lancaster Q KB863	F/L Eccleston, G.	J26114	P	1922	0040	Target: HANNOVER, Primary. 2157.8 hrs. 20000 ft. 117°T.IAS 155. Less than 1/10ths stratus marked with slight haze. Ident. TI Red. Bombed B&G/TIR. Fires could be seen for 50 miles. Individual fires were good- explosions were seen on run up at 2156 hrs. east side of target. Good 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			
5/6.1.45	Lancaster S KB81	F/O Ferris, C.	J92660	P	1846	0057	Target: HANNOVER. Primary. 2457.2 hrs. 19000 ft. 100°T. IAS 155. Vis. clear marked with smoke. Ident. TI R & G. PFF well concentrated with some reds to NW. Fires could be seen for over 100 miles away. Many bomb bursts in area. A very concentrated attack. Bomb Load: 20 x 500 lb.	✓
5/6.1.45	Lancaster T KB849	F/O Wagman, J.	J35150	P	1905	0046	Target: HANNOVER. Primary. 2156.5 hrs. 19500 ft. 137°T. IAS 155. Clear vis. + good. Ident R & G TI. Bombed Red TI's. PFF well placed, fires and explosions seen around TI's. A/C well concentrated. A good attack. Bomb Load same as "A".	✓
5/6.1.45	Lancaster V KB789	F/O Andrew, J.	J29273	P	1925	0031	Target: HANNOVER. Primary. 2156 hrs. 19500 ft. 125°T. IAS 155. Vis. clear marked only by ground haze. Ident TI R & G. Bombed TIR. PFF was well concentrated and many fires started in 1st attack. No indication of wild bombing. A very good attack. Bomb Load: 20 x 500 lb.	✓
5/6.1.45	Lancaster W KB844	F/L Cochran, T.	J14087	P	1854	0045	Target: HANNOVER. Primary. 2156.7 hrs. 20000 ft. 139°T. IAS 150. Vis. clear - hazy. Ident. TI R&G and TII. Flares. Bombed centre of TIR. Many good sized fires well concentrated. considerable smoke fires seen for 90 miles after leaving target. Very good attack. Bomb Load: 20 x 500 lb.	✓
5/6.1.45	Lancaster Y KB834	F/O Alger, C.	J87340	P	1915	2032	Target: HANNOVER. Primary. 2156.5 hrs. 19500 ft. 138°T. IAS 155. Vis. clear. Ident. and bombed TIR. Many explosions and fires with smoke up to 17000 ft. Very good concentrated attack. Bomb Load: 20 x 500 lb.	0032 ?
6/1.45	Lancaster A KB25	F/L Ecclestone, A.	J2611A	P	1556	2221	Target: HANAU. Primary. 1904 hrs. 18500 ft. 138°T. IAS. 155. 10/10ths cloud 11000 ft. tops vis. good. Target ident by R & G Flares. Glow seen of bombs bursting below cloud. A/C well concentrated over target. PFF well concentrated. If PFF were 800 hrs. attack should be a good one. Bomb Load: 124,000lb & 800 x 50 lb.	✓

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APPENDIX _____

A.P.
FORM 541.

DETAIL OF WORK CARRIED OUT

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

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FOR THE MONTH OF January 1945

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCE	
				Up	Down			
6/11/45	Lancaster B KB815	F/O Barr, V.	J29213	P	1535	2210	Target: HANAU. Primary. 1904 hrs. 18000 ft. 138°T. IAS155. 10/10ths cloud. Tops 8000 ft. Target ident. by Red sky flares with green stars. White glow under and red glow towards center of A/P very little could be seen due to cloud. Cloud heavier than briefed. Bomb Load: 1 x 4000 lb & 1800 x 4 lb.	✓
6/11/45	Lancaster C KB829	F/S Murray, V.	H174702	P	1554	2224	Target: HANAU. Primary. 1904 hrs. 18500 ft. 138°T. IAS160. 10/10ths cloud tops 5000. Target ident. B&G Flares. Glow of fires seen approx. 50 miles away from target. Very well concentrated attack. Bomb Load: 1 x 4000 lb & 900 x 4 lb.	✓
6/11/45	Lancaster D KB830	W/O Blackburn, A.	0846	P	1518	2222	Target: HANAU. Primary. 1905 hrs. 19000 ft. 138°T. IAS 170. 10/10ths cloud, tops 5000. Target ident. by T1's B&G and E markers with green stars. Markers well concentrated. A very white glow under cloud. If markers were placed well the attack would be successful. Bomb Load: 1 x 4000 lb & 900 x 4 lb.	✓
6/11/45	Lancaster E KB824	F/L Buttle, T.	J9178	P	1505	2226	Target: HANAU. Primary. 1904 hrs. 19500 ft. 138°T. IAS155. 10/10ths cloud 8-10000 ft. tops, vis. good. Target ident. by R Sky flares with green stars. Explosions of bomb bursts seen below cloud. A/O well concentrated. H28 and GEE U/S. If VFF was on attack should be good. Bomb Load: 1 x 4000 lb & 1650 x 4 lb.	✓
6/11/45	Lancaster F KB832	F/O Funnell, R.	J38381	P	1550	2220	Target: HANAU. Primary. 1904 hrs. 20000 ft. 135°T. IAS160. 10/10ths cloud, tops 6,000 ft. Vis. good. Target ident. by Red sky flares with green stars. A/O well concentrated over target. No estimation of attack possible owing to cloud. Bomb sight U/S. emergency sighting used. Bomb Load: 1 x 4000 lb & 900 x 4 lb.	✓

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES	
				Up	Down			
6/11/45	Lancaster L KB842	P/O Kitchen, J.	J88996	P	1527	2229	Target: HANAU, Primary. 1903.8 hrs. 19,500 ft. 137°T. IAS 155. 10/10ths cloud 6000 ft. tops. Target ident. by R & G flares. No detail due to thick cloud. Seemed well concentrated attack if flares well placed. Bomb Load: 1x4000lb & 1800x4lb.	✓
6/11/45	Lancaster H KB840	P/O Andres, T.	J29272	P	1510	2215	Target: HANAU, Primary. 1901.6 hrs. 19000 ft. 138°T. IAS 190. 10/10ths cloud. tops 6/7,000 ft. Target ident. by Red flares with green stars. Glow on cloud fair size; good concentration. No results seen. Average attack. Bomb Load: 20x500 lb.	✓
6/11/45	Lancaster O KB850	P/L Kiehlbauch, A.	J18584	P	1553	2212	Target: HANAU, Primary. 1905 hrs. 18,500 ft. 138°T. IAS 155. 10/10ths cloud. Target ident. by Red flares & green stars. Glow indicated concentrated attack. Two explosions at 1906 hrs. Fair attack. Bomb Load: 1 x 4000 lb & 900 x 4 lb.	✓
6/11/45	Lancaster P KB846	P/O Hall, J.	J20938	P	1603	2211	Target: HANAU, Primary. 1904.8 hrs. 18000 ft. 138°T. IAS 155. 10/10ths cloud. Target ident. by R flares & green stars. 1x1/2 sec and 10 sec overshoot on red flares. Glow of firms indicate a good attack. Concentration good. Fair attack. Bomb Load: 1 x 4000 lb & 900 x 4 lb.	✓
6/11/45	Lancaster Q KB843	P/L Coghlan, T.	J14087	P	1604	2210	Target: HANAU, Primary. 1905.6 hrs. 18000 ft. 137°T. IAS 190. 10/10ths cloud. Target ident. by Red Wanganui green stars. Unable to assess due to cloud. DE and GER U/S. Bomb Load: 1 x 4000 lb & 750 x 4 lb.	✓
6/11/45	Lancaster S KB814	P/O Ferris, C.	J92660	P	1509	2228	Target: HANAU, Primary. 1904.3 hrs. 19,000 ft. 138°T. IAS 155. 10/10ths cloud with tops 6000 ft. Target ident. by red flares and green stars. Nothing seen when red glow through cloud at 1915 hrs. after leaving target a very large red explosion which lasted 405 mins. If FFF were on the effort should be O.K. Bomb Load: 1 x 4000 lb & 1800 x 4 lb.	✓

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Form 541

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES	
				Up	Down			
6/11/45	Lancaster T KB64	P/O Wagman, J.	J35150	P	1531	2214	Target: HANAU. Primary. 1904.2 hrs. 19,500 ft. 1398T. IAS155. 10/10ths cloud 15,000 ft. Target ident. by red flares and green stars. Red and green flares well concentrated. Glow of fires seen about 40 miles away. If markers well placed should be a good attack. Bomb Load: 1 x 4000 lb.	✓
6/11/45	Lancaster Y KB789	P/O Hart, E.	J90792	P	1530	2208	Target: HANAU. Primary. 1904.2 hrs. 20000 ft. 1401T. IAS160. 10/10ths cloud, tops 8/10000 ft. Target ident. by red flares and green stars. 2 sec. overshoot on red flares. Brilliant glow on cloud indicating large fires. No results seen. Stream concentrated and also fires. Glow indicates good attack. Bomb Load: 1 x 4000 lb & 1500 x 4 lb.	✓
6/11/45	Lancaster Y KB634	P/O Alger, C.	J87340	P	1517	2215	Target: HANAU. Primary. 1904.3 hrs. 20000 ft. 1381T. IAS155. Target ident. by red sky flares. Markers well concentrated indicating good attack. No results seen. B/S DR compass H2S U/S. Fair attack early on target. Bomb Load: 1 x 4000 lb.	✓
7/8.1.45	Lancaster A KB825	P/O Barr, V.	J29213	P	1817	0325	Target: MUNICH. Primary. 2231.1 hrs. 18000 ft. 0851E. IAS155. 10/10th cloud, visibility poor. Ident. red and green sky markers seen coming down at 2229 hrs. Bombed - blind bombing technique used. Cloud hampered observation only bomb flashes seen. Landed Wigley. Bomb Load: 1 x 4000 lb & 8 x No. 14 Cluster.	✓
7/8.1.45	Lancaster B KB835	P/L Burden, P.	J23055	P	1813	0309	Target: MUNICH. Primary. 2233.9 hrs. 18,500 ft. 0881E. IAS155. Very heavy 10/10th cloud, vis. poor. Ident. red sky markers with green stars. Blind bombing technique used. Glow of fires seen below cloud. Raid considered effective. Landed Wigley. Bomb Load same as "A".	✓

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES	
				Up	Down			
7/8.1.45	Lancaster D KB830	W/C Blackburn, A.	0846	P	1815	0315	Target: MUNICH. Primary. 2211.7 hrs. 19,000 ft. 085°T. IAS 160. 10/10th cloud. Vis. good. Ident. red sky markers seen going down. Blind bombing technique used. Sky markers did not seem to be very well concentrated, only small glow from fires seen through cloud. Difficult to say whether attack was successful. Landed Wigley. Bomb Load same as "A".	✓
7/8.1.45	Lancaster E KB824	F/O Coulter, L.	J27630	P	1812	0320	Target: MUNICH. Primary. 2230.4 hrs. 16,000 ft. 085°T. IAS 155. 10/10th cloud. Moderate vis. Ident and bombed red sky markers. Thick cloud hampered observation. Glow of searchlights reflected on cloud. Very little glow seen from fires. Impossible to assess effectiveness of attack. Landed Wigley. Bomb Load same as "A".	✓
7/8.1.45	Lancaster G KB838	F/O Hart, F.	J90792	P	1920	2220	Target: MUNICH. Abortive N.O.E.T. Furthest point reached 2037 hrs. 11,000 ft. W/T unserviceable. Bomb Load same as "A". SE 52 04°N 02 55'E. Jettisoned full load SE 52 04°N 02 55'E	✓
7/8.1.45	Lancaster J KB835	F/O Hall, J.	J20938	P	1818	0308	Target: MUNICH. Primary. 2232.9 hrs. 19000 ft. 085°T. IAS 160. 10/10th cloud. Vis only moderate. Ident. red sky markers with green stars cascading. Bombed sky markers going down at 2232 hrs. FI rather scattered. Glow from a few fires seen through cloud. Raid subsequently shattered. Landed Wigley. Bomb Load same as "A".	✓
7/8.1.45	Lancaster L KB842	F/O Alger, C.	J87340	P	1840	0321	Target: MUNICH. Primary. 2231 hrs. 21,500 ft. 085°T. IAS 160. 10/10th cloud. 10-12,000 ft. tops. Vis. poor. Ident Red sky markers with green starburst. Bombed red sky markers plus 2 secs. A/C well concentrated. Fires could be seen 150 miles away, cloud too thick to estimate explosions. T/A predicted flak smashed periscope in wind screen. One hole in Mid Upper turret. A fairly good attack. Bomb Load same as "A". Landed Wigley. 3 hrs	✓

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES	
				Up	Down			
7/8.1.45	Lancaster N KB840	P/O Andres, I.	J29273	P	1823	0256	Target: MUNICH. Primary. 2234.7 hrs. 15,500 ft. 081°T. IAS155. 10/10th cloud; vis. poor. Ident. Red Wanganui flares with green stars seen cascading. Bombed centre of concentration of red T's. Glow of fires seen underneath cloud. Numerous small explosions also seen. Attack considered fairly good. Landed Wigley. Bomb Load same as "A".	✓
7/8.1.45	Lancaster O KB850	P/L Kiehlbauch, A.	J18584	P	1850	0252	Target: MUNICH. Primary. 2240 hrs. 16,500 ft. 081°T. IAS160. 10/10th cloud. Vis. poor. Ident. and bombed Red T's seen going down through cloud. Only glow of fires seen underneath cloud. Landed Wigley. Bomb Load same as "A".	✓
7/8.1.45	Lancaster S KB814	P/O Ferris, C.	J26660	P	1824	0317	Target: MUNICH. Primary. 2233 hrs. 19,000 ft. 085°T. IAS155. 10/10th cloud, 10,000 ft. Vis. poor. Ident. red sky flares and green stars. Bombed red sky flares plus 2 sec for 4,000 lb and plus 2 sec for clusters. Glow seen for about 100 miles A/C and PFF well concentrated. A good attack if PFF reasonably accurate. Bomb Load same as "A". (A/C not diverted)	✓
7/8.1.45	Lancaster W KB844	P/L Coghlan, T.	J11087	P	1807	0242	Target: MUNICH. Primary. 2232 hrs. 16,500 ft. 084°T. IAS150. 10/10th cloud cloud as briefed vis. poor. Ident centre of concentration of red flares seen cascading at 2231 hrs. Bombed centre of red flares cascading green stars. Only glow of fires seen through cloud. Attack appeared to be scattered. Landed Wigley. Bomb Load same as "A".	✓
7/8.1.45	Lancaster Y KB834	P/L Ecclestone, A.G.	J26114	P	1826	0310	Target: MUNICH. Primary. 2233.2 hrs. 19000 ft. 085°T. IAS155. 10/10th cloud. Vis moderate. Ident. red sky markers with green stars going down at 2231 hrs. Bombed centre of red sky markers cascading 2233 hrs. Glow of fire reflected on cloud although attack appeared very widely scattered. Attack considered poor. Landed Wigley. Bomb Load same as "A".	✓

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES	
				Up	Down			
14/15.1.45	Lancaster A KB825	W/L Bennett, G. W/L Bennett, G.	J2189 J2189	P	1850	0340	Target: MOOSEBURG , Primary, 2357 hrs. 19,000 ft. 040°T, IAS 160. No cloud with haze and possibly smoke screen. Ident. by TI's red and green and wanganai red; Bombed wanganai with illuminators yellow. FFF dropped at H-7. Small fire seen on run-up with bomb bursts; Small orange explosions and bomb bursts over wide area. MB not very happy. A poor scattered attack. Bomb Load: 1 x 4000 lb & 10 x 500 lb & 2 x 250 lb.	✓
14/15.1.45	Lancaster B KB831	W/L Burden, P.	J23035	P	1845	0325	Target: MOOSEBURG , Primary, 2351.5 hrs. 18500 ft. 015°T, IAS 150. 8-9/10ths cloud, tops 4000 ft; Ident. by ill. flames and H2S. Bombed on H2S. Due to ^{cloud} could nothing observed except bomb flashes. MB heard clearly. Could not assess other than a very good concentration of A/C over target. Bomb Load same as "A".	✓
14/15.1.45	Lancaster D KB820	W/L Henry, R.	J11688	P	1840	0415	Target: MOOSEBURG , Primary, 0008 hrs. 21000 ft. 065°T, IAS 155. 10/10ths cloud, tops 7,000 ft. Ident. by TI red and green and red flames. Bombed glow of TI red and flames. MB heard to say bomb on sky markers but these had gone out. One large orange explosion with black smoke. Poor attack due to weather. Bomb Load same as "A".	✓
14/15.1.45	Lancaster E KB824	W/O Barr, V.	J29213	P	1855	0335	Target: MOOSEBURG , Primary, 2352.8 hrs. 18000 ft. 065°T, IAS 160. No cloud, heavy ground mist. Ident. by H2S and ill. flames. Bombed on H2S. At 2355 hrs very large red explosion and reflection of two fires lasting for 3-4 minutes. At 2354 hrs a very large explosion lasting 30 secs. At 2352 hrs on run-up in a red explosion with black smoke mushrooming up. Difficult to assess. Good tactics. Bomb Load same as "A".	✓

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES	
				Up	Down			
14/15.1.45	Lancaster F KB832	P/O Furnell, A.	J3838	P	1840	0405	Target: XXXXXXXX . Primary. 0004.5 hrs. 20500 ft. 064°E, 145°W. 10/10ths cloud, tops 8000 ft. Ident. by wanganui red with yellow stars. Bombed same. MB not heard. Much heavy black smoke rising to great height preceded by red flash. A fair attack. Bomb Load same as "A".	✓ <i>Comdet C/ndet</i>
14/15.1.45	Lancaster G KB816	P/O Hall, W.	J2098	P	1845	0420	Target: XXXXXXXX . Primary. 0001.5 hrs. 20000 ft. 068°E, 145°W. 10/10ths in cloud, tops 1000 ft. Vis. good. Ident. by red and green TI's and sky markers. Bombed sky markers on instructions of MB. Just bomb bursts seen on clouds 10 mins. after target. Met. obs not as briefed, unable to estimate results. Bomb Load same as "A".	✓
14/15.1.45	Lancaster J KB835	P/L Rothenbush, J.	J1048	P	1835	0410	Target: XXXXXXXX . Primary. 0006 hrs. 21000 ft. 040°E, 145°W. 10/10ths thin cloud, tops at 5,000 ft. Vis. hazy. Ident. by sky flares. Bombed red TI's as sky flares had disappeared. 5 explosions seen to push up through clouds and looked like a pot boiling over. Not many A/G seen. PFF shattered. Not a very good attack, too scattered. Bomb Load same as "A".	✓
14/15.1.45	Lancaster O KB850	P/L Kiehlbauch, A.	J1858	P	1859	0346	Target: XXXXXXXX . Primary. 0002.5 hrs. 20000 ft. 068°E, 145°W. Hazy. Ident. by TI's red and green and wanganui red with yellow stars. Bombed wanganui red as per MB. Bombs given employed. After bombs gone an explosion seen. A sheet of flame came through smokescreen. Black smoke mushrooming up through clouds. A fair attack. Bomb Load same as "A".	✓
14/15.1.45	Lancaster F KB846	P/O Tuill, E.	J89071	P	1850	0412	Target: XXXXXXXX . Primary. 0805 hrs. 20000 ft. 068°E, 145°W. No cloud with much haze. Target ident. R & G TI's and Red flares. Bombed red flares as per MB. PFF considered scattered. Black oily smoke mushrooming upwards. No fires, a few scattered explosions over area. Bomb Load same as "A".	✓

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES	
				Up	Down			
14/15.1.45	Lancaster Q KB813	W/O Blackburn, A.	0846	P	1837	0330	Target: MERSEBURG. Primary. 2352.5 hrs. 19000 ft. 065°T. IAS 160. 10/10 thin cloud, tops 2,000 ft. Target ident. by and bombed on H2S. No fires seen - too early to assess. Bomb Load same as "A".	✓
14/15.1.45	Lancaster S KB814	P/O Ferris, G.	J92660	P	1851	0349	Target: MERSEBURG. Primary. 0006.5 hrs. 070°T. IAS 155. 21000 ft. 10/10 thin cloud, tops 6,000 ft. Vis. heavy. Red TI's and sky markers. Bombed R & G TI's. MB not heard. Many explosions seen and one Red one seen to come up to 6,000 ft. A fairly good attack. DR compass went u/s. Bomb Load same as "A".	✓
14/15.1.45	Lancaster T KB819	P/O Prime, T.	J37140	P	1900	0412	Target: MERSEBURG. Primary. 0001 hrs. 21000 ft. 058°T. IAS 155. 10/10th thin cloud, tops 2000 ft. Target ident. Sky markers. Bombed same. Red glow and black smoke under it. Quiet trip, unable to assess. Bomb Load same as "A".	✓
14/15.1.45	Lancaster V KB849	P/O Andres, I.	J29273	P	1906	0339	Target: MERSEBURG. Primary. 0000.1 hrs. 20400 ft. 067°T. IAS 155. 10/10 cloud, tops 5000 ft. Vis. good. Target ident. Sky markers. Bombed same on MB's instructions. Marking seemed scattered. A few explosions observed below cloud. A poor raid. Bomb Load same as "A".	✓
14/15.1.45	Lancaster W KB844	P/S Murray, V.	H174702	P	1858	0415	Target: MERSEBURG. Primary. 0006.4 hrs. 20500 ft. 068°T. IAS 160. Some cloud. Target ident. by and bombed on sky markers. Some small fires - no smoke seen. Fair attack. Bomb Load same as "A".	✓
14/15.1.45	Lancaster Y KB874	P/O Alger, G.	J87340	P	1856	0347	Target: MERSEBURG. Primary. 0004 hrs. 21000 ft. 066°T. IAS 155. 10/10th thin cloud. Target ident. Red and Green TI's. Bombed sky markers. One large explosion orange coloured with black smoke. Some fires seen over fair sized area. Fair attack. H2S and Fishpond u/s. Bomb Load same as "A".	✓

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				Up	Down			
16/17.1.45	Lancaster A KB825	F/L Burden, F.	J23035	P	1725	0200	Target: ZKITE. Primary. 2218.7 hrs. 19000 ft. 002°T. IAS150. Vis. clear with very slight haze. Downward vis. good. Ident. and bombed TT red and green. FFF very good. MB heard clearly. A terrific explosion was seen among TT's at 2217.5 hrs. and many fires contained in small area. Black oily smoke was seen. A newspaper could be read over target. Attack at Brum also could be seen. A very good concentrated attack. Bomb Load: 1 x 4000 lb & 10 x 500 lb & 4 x 250 lb.	✓
16/17.1.45	Lancaster B KB833	F/O Marlow, G.	J36615	P	1735	0210	Target: ZKITE. Primary. 2210 hrs. 19,000 ft. 205°T. IAS165. Vis. clear. Ident. red and green TT. Bombed same with under-shoot. Good fires seen after leaving target. FFF was well concentrated. Too early to tell further results. A good attack but we were a little early to notice much result. Bomb Load same as "A".	✓
16/17.1.45	Lancaster D KB830	F/L Henry, R.	J14688	P	1740	0225	Target: ZKITE. Primary. 2223 hrs. 18,500 ft. 000°T. IAS 160. Vis. clear. Ident. TIR and green. Bombed same with overshoot of 6 secs. Good concentrated attack in half of target area. TT's and MB very good. fires well lit up. Bomb Load same as "A".	✓
16/17.1.45	Lancaster E KB824	F/O Frisio, R.	J37740	P	1745	0215	Target: ZKITE. Primary. 2221.1 hrs. 18000 ft. 010°T. IAS155. Vis. clear very slight haze downward vis. good. Ident. TT red and green. Bombed short of TT green as per MB. Approaching the target 3 huge explosions taking some of the TT with them. Terrific flames followed by black oily smoke fires seemed to die out quickly but re-appeared with other bomb bursts. Slight scattered bombing observed. Dummy fires seen 3 miles S.E. of target. Bomb Load same as "A".	✓

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES	
				Up	Down			
16/17.1.45	Lancaster F KB812	P/O Funnell, R.	J38381	P	1721	0220	Target: ZKITE. Primary. 2222.6 hrs. 19000 ft. 022°T. IAS165. Vis. good clear. Ident. and bombed to etbd of Red and green TI. Oil smoke seen to 8000 ft from large explosion. PFF mark- ing good. Bombs well concentrated. Bomb Sight 11/8. Very good attack. Bomb Load same as "A".	✓
16/17.1.45	Lancaster G KB816	P/O Hall, J.	J20938	P	1720	0218	Target: ZKITE. Primary. 2222.7 hrs. 18,500 ft. 052°T. IAS 160. Ident. TIR & G. Bombed same with 6 secs. overshoot. Two very good explosions. Concentration in half target area. MB very good. Black smoke 5000 ft. Flame up to 2000 ft. Bomb Load same as "A".	✓
16/17.1.45	Lancaster H KB816	P/O Barr, V.	J29213	P	1730	0228	Target: ZKITE. Primary. 2220.7 hrs. 18000 ft. 010°T. IAS160. Clear vis. good. Ident. TI R & G. Bombed 300 yds. short of TI red and disregarded TI red to port as per MB. On run up a huge red explosion followed by black oily smoke mushrooming skywards. Violent sheet of flame to 7,000 ft. lit up entire sky in neighborhood. On way out 4-6 explosions. Fires could be seen some distance out of target. Bomb Load same as "A".	✓
16/17.1.45	Lancaster J KB815	P/L Rothenbush, J.	J13048	P	1731	0227	Target: ZKITE. Primary. 2221.3 hrs. 19000 ft. 350°T. IAS160. Clear. Vis. good. Ident. R & G TI and ill. flames. Bombed overshoot of 5 secs on green TI's. 2 very large explosions with smoke to 4000 ft. PFF marking good. A/C well concentrated. Bomb Load same as "A".	✓
16/17.1.45	Lancaster L KB812	P/O Kitchen, J.	J88996	P	1733	0232	Target: ZKITE. Primary. 2222.1 hrs. 18500 ft. 335°T. IAS160. Ident. R & G TI's. Bombed same with 6 sec overshoot. Many fires seen. Two large explosions seen with smoke billowing up to 6000 ft. PFF marking well concentrated and also bom- bing. Bomb Load same as "A".	✓

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				Up	Down		
16/17.1.45	Lancaster G KB850	P/L Kiehlbauch, A.	J18584	P	1719		Target: ZKITE. This A/C was airborne at 1719 hrs. since when nothing has been heard from it. Bomb Load same as "A".
		P/O Shaw, J.	J38729	NAV			
		P/O Padden, N.	J37818	B/A			
		P/O Wilson, W.	J92521	WO/AG			
		P/O Carolan, A.	J91150	MI/AG			
		P/O Martin, W.	J91116	B/AG			
		P/S Turner, W.	J.98238	P/R			
16/17.1.45	Lancaster F KB846	P/O Andres, IL	J28271	P	1738	0203	Target: ZKITE. Primary. 2226.5 hrs. 19,000 ft. 3x2" T. IAS 195. Vis. clear. Ident. and bombed 846 T's. One explosion very large orange colour, black smoke rising 8-10,000 ft. T's and bombs well concentrated. Very good effort. Bomb Load same as "A".
16/17.1.45	Lancaster G KB846	P/O Blackburn, A.	OB46	P	1715	0225	Target: ZKITE. Primary. 2220.5 hrs. 18500 ft. 130" T. IAS 155. No cloud. Vis very good. Ident. TIR and G. Bombed near end of TIR as per MB. PFF well concentrated. MB clear. At 2217 hrs. a terrific explosion with black smoke up to 4000 ft. Many other large orange explosions. Excellent concentration of explosions and fires. Glow of fires seen 160 miles after leaving target. Bomb Load same as "A".
16/17.1.45	Lancaster R KB852	P/O Ferris, C.	J92660	P	1742	0147	Target: ZKITE. Primary. 2219.6 hrs. 18000 ft. 3x5" T. IAS 160. No cloud. Vis. good. Ident TIR and green and fill. Flares. Bombed 6 sec short of end of TIR & G. PFF well concentrated. MB heard clearly. At 2218 hrs on run up 2 very large explosions with very heavy black smoke immediately followed by two similar explosions. When we left 8 big d11 fires going. Bomb Load same as "A".

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCE	
				Up	Down			
16/17.1.45	Lancaster F KB649	F/O Alger, C.	J87340	P	1729	0155	Target: ZKIVZ. Primary. 2208.5 hrs. 18500 ft. 002°T. IAS 160. Clear vis good. Ident. and bombed red and green Tl's slightly to right on instructions of MB. FFF well concentrated so was bombing. Many fires. One large explosion came up about 8000 ft. other explosions seen. Bomb Load same as "A".	✓
28/29.1.45	Lancaster A KB825	S/L Bennett, G.	J9180	P	1634	0026	Target: STUTTGART. Primary. 2042.5 hrs. 18000 ft. 177°T. IAS. 160. 10/10ths cloud. Target ident. Tl's red and red flares with yellow stars. Bombed centre of Tl's red. On first orbit orbit no markers seen and on second orbit first markers had burned out. Landed at Spilsby. Bomb Load: 12,000 lb & 13,500 lb.	✓
28/29.1.45	Lancaster B KB853	F/O Prime, R.	J37140	P	1643	0051	Target: STUTTGART. Primary. 2040 hrs. 19000 ft. 220°T. IAS 160. W/S zero. 10/10ths cloud, tops at 8000 ft. Vis. Fair. Ident. D/R run and sky marking flares red with yellow stars. Bombed green flare with red stars. FFF not very good. Only 3 flares seen in 10 mins. 2 orbits made in attempt to bomb on flares but the marking was so poor it was impossible to correct heading. Mental blackout on part of WCP/AG. Oxygen used up in bottles and this fact not known. Remembers receiving instructions to land at Spilsby. Landed at Base. Bomb Load same as "A".	✓
28/29.1.45	Lancaster C KB829	F/O Marlow, G.	J36615	P	1631	0034	Target: STUTTGART. Primary. 2034 hrs. 19,500 ft. 190°T. IAS 170. 10/10ths cloud. Ident. flares red with green stars and bombed same. No results observed due to weather condition. Landed at Spilsby. Bomb Load same as "A".	✓
28/29.1.45	Lancaster D KB848	F/L Henry, R.	J14688	P	1638	0043	Target: STUTTGART. Primary. 2032.4 hrs. 20,000 ft. 176°T. IAS 180. 10/10ths St. Cu. Ident. red flares with yellow stars and bombed centre of three flares. Bomb Load same as "A". Landed at Spilsby.	✓

OPERATIONS RECORD BOOK

APPENDIX _____

A.F. FORM 561

DETAIL OF WORK CARRIED OUT

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

SECRET

PAGE No. 17

12750-10111 WL 2222-114 200 442 T.S. 700
12750-10111 WL 2222-114 200 442 T.S. 700

FOR THE MONTH OF JANUARY 1945

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				UP	DOWN		
28/29.1.45	Lancaster E KB824	F/O Coulter, L.	J27650	P	1632	0043	Target: STUTTGART. Primary. 2031.3 hrs. 14,000 ft. 210°T. IAS 165. 10/10ths with tops at 8000 ft. Ident. TI's red and sky markers red and green. Red glow through cloud only. Fort inner U/S before reaching target. Reason for bombing at 14,000 ft. Bomb Load same as "A". <i>Cancelled at Spilsby</i>
28/29.1.45	Lancaster G KB816	F/O Hart, F.	J90792	P	1640	0005	Target: STUTTGART. Primary. 2032. hrs. 18500 ft. 175°T. IAS 190. 10/10ths cloud at 10,000 ft. with layers of medium cloud. Ident. by wingtip flares and parachute. Bombed red wingtip sky markers. Red glow from markers. A fair attack. Bomb Load same as "A". <i>Cancelled at Spilsby</i>
28/29.1.45	Lancaster L KB842	F/L Francis, J.	J15758	P	1636	0025	Target: STUTTGART. (abortive) O.E.F. All navigators aid U/S and no flares seen so jettisoned full load at 4837N 0816E 2046 hrs. 18000 ft. Flying straight and level while camera operated. PFF late. Bomb Load same as "A". <i>Cancelled at Spilsby</i>
28/29.1.45	Lancaster P KB846	F/O Wagman, J.	J35150	P	1655	0011	Target: STUTTGART. Primary. 2036 hrs. 20,000 ft. 177°T. IAS 150. 10/10th SE/OU. Ident. by sky markers red with yellow stars. Bombed sky markers red. Bomb bursts and flashes scattered owing to cloud conditions unable to assess. Flying straight and level when camera operated. Bomb Load same as "A". <i>Cancelled at Spilsby</i>
28/29.1.45	Lancaster Q KB843	F/O Blackburn, A.	Q846	P	1644	9020	Target: STUTTGART. Primary. 2042.1 hrs. 16,000 ft. 177°T. IAS 170. W/S zero. 10/10ths SE/OU tops 6-7,000 ft. Vis. poor. Ident. by svd flares with yellow stars. Bombed sky flares green with red stars. No markers till right over target. Orbited once. Many flashes of explosions seen over scattered area. PFF late and not sufficient markers. Flying straight and level until camera operated. Bomb Load same as "A". <i>Cancelled at Spilsby</i>
28/29.1.45	Lancaster R KB852	F/O Andrea, I.	J29273	P	1707	0003	Target: STUTTGART. Primary. 2033.7 hrs. 19500 ft. 177°T. IAS 155. 10/10 SE/OU. tops 8-10000 ft. Ident. by red wingtip. Bomb seen. Results not seen owing to clouds. Bomb Load same as "A". <i>Cancelled at Spilsby</i>

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES	
				Up	Down			
28/29.1.45	Lancaster S KB31	F/L Rotienbush, J.	J1308	P	1637	0048	Target: STUTTGART. Primary. 2041.2 hrs. 16,500 ft. 177° T. IAS 180. W/S - zero. 10/10ths cloud with tops at 7,000 ft. Haze at 20000 ft. Ident. by flares green with red stars. No results observed. Flying straight and level while camera operated. Bomb Load: 1 x 4000 lb & 14 x 500 lb. <i>Landed at Spilby</i>	✓
28/29.1.45	Lancaster T KB349	F/O Alger, C.	J8940	P	1652	0030	Target: STUTTGART. Primary. 2040 hrs. 19,000 ft. 177° T. IAS 155. 10/10ths ST/CI. Ident. by red flares with yellow stars and green flares with red stars. Bombed one green flare having orbited and missed reds. Bomb Load same as "A". <i>Landed at Spilby</i>	✓
28/29.1.45	Lancaster Y KB789	F/O Barr, V.	J2923	P	1642	0028	Target: STUTTGART. Primary. 2046.5 hrs. 19500 ft. 177° T. IAS 155. W/S zero. 10/10ths cloud, tops 7000 ft. Ident. by flares red and yellow. Bombed flares red with yellow stars. No results seen owing to cloud. Explosions in early part of raid but concentrated last half of raid, FFF late and marking spread out too much. Banking to stbd, artificial horizon U/S while camera operated. Bomb Load same as "A". <i>Landed at Spilby</i>	✓
28/29.1.45	Lancaster Y KB344	F/L Coghlan, T.	J14087	P	1635	0018	Target: STUTTGART. Primary. 2033.6 hrs. 20000 ft. 177° T. IAS 155. 10/10ths ST/CI tops at 8000 ft. Ident. by red flares with yellow stars. Bombed same. Bomb Load same as "A". <i>Landed at Spilby</i>	✓
							<i>A.P. Blackburn</i> (A.P. BLACKBURN) Wing Commander, Squadron Officer, No. 44 Squadron (R.C.A.F.).	