

OPERATIONS RECORD BOOK

APPENDIX "A"

R.A.F.
Form 541.

DETAIL OF WORK CARRIED OUT

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

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(1175-111) Wt. 2880-314, 704 214, T.S. 702
(1175-111) Wt. 2880-314, 1204 114, T.S. 700

FOR THE MONTH OF DECEMBER 1944.

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
2nd/3rd December	LANCASTER X KB 779 B	J9173 FL. GAVE HEM	Pilot	1707	0020	Target HAGEN with 1 x 4000 lb HC NI Minol; 6 x 1000 lb HC TD.025 and 5 x 500 MC TD.025. Bombed primary at 2102 hrs from 18000 ft. 10/10ths cloud tops about 15000 ft. Bombed on Gee. because of no marking and 10/10 cloud. Result not assessable because of cloud. Few small explosions in 1/A seen to light up the cloud.	A.2956
2nd/3rd December	LANCASTER X KB 738 D	J10761 FL. BULLARD RW	Pilot	1712	2333	Target HAGEN with 1 x 4000 lb HC NI Anatol; 4 x 1000 lb USA ANM 59 TD.025; 2 x 1000 MC; 3 x 500 lb GP and 2 x 500 MC TD.025. Bombed primary at 2101.2 hrs from 16000 ft. through 10/10th cloud at 17000 ft. Vis. fair. Bombed on Gee. 1/A covered by cloud. Bombs or photo flashes on clouds. Cannot assess results. Duff met. 10/10 on rim from 7000 ft. to 16,000 ft over continent; severe icing. A/C lunched at MENDLESHEIM.	A.2957
2nd/3rd December	LANCASTER X KB 804 E	J35209 PO HYDMAN ED	Pilot	1701	0034	Target HAGEN with 1 x 4000 lb HC NI Minol; 6 x 1000 USA ANM 59 TD.025; 1 x 500 GP and 4 x 500 MC TD.025. Bombed primary at 2058.8 hrs from 16500 ft. through 10/10th cloud tops 15000 ft. to 16500 ft. Bombed on Gee because of cloud and no marking. White light reflected on the cloud but too cloudy to assess. Severe icing at 5100 0733. Lost height rapidly from 16000 to 3000 ft. Dive mentioned due to Inter-Com unit, camera and DR compass went U/S.	A.2958
2nd/3rd December	LANCASTER X KB 735 G	J90515 PO McDONALD LH	Pilot	1725	0016	Target HAGEN with 1 x 4000 HC NI Minol; 6 x 1000 MC TD.025; 3 x 500 GP and 2 x 500 MC TD.025. Bombed primary at 2058.5 hrs from 18000 ft. 10/10th cloud top first layer 15,000 ft. Some bursts in this but a second layer below was solid cloud. Bombed on Gee. No marking was observed. Nothing could be seen. A number of photo flashes seen fairly well concentrated. Severe icing experienced at about 10,000 ft at French Coast on way to the target. Met winds were okay but cloud formation was however all as briefed. Cannot estimate success of attack. Would say a poor attack.	A.2959
2nd/3rd December	LANCASTER X KB 769 I	J86975 PO WILLIAMS GEP	Pilot	1714	0041	Target HAGEN with bombload same as "G". Bombed primary at 2058.6 hrs from 17000 ft. 10/10th cloud tops 15,000 ft. Bombed on Gee because of cloud and lack of marking. Numerous photo flashes seen to go off below cloud. Nothing else seen.	A.2960
2nd/3rd December	LANCASTER X KB 762 J	J3476 SL BLACK CM	Pilot	1718	0026	Target HAGEN with 1 x 4000 lb HC NI Minol; 5 x 1000 lb USA ANM 59; 1 x 1000 MC and 5 x 500 GP TD.025. Bombed primary at 2059.7 hrs from 17000 ft. 10/10th cloud tops 17,500 ft. vis good. Bombed on Gee. Goodies seen to explode, reflected on cloud. Met was wrong; moderate icing at 7000 ft. forcing A/G to fly at 12,000 ft. Flashes seen in 1/A. One red glow seen in cloud on run up, thought to be wanganut.	A.2961

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				Up	Down		
2nd/3rd December	LANCASTER X KB 797 K	J10572 FL SWARTZ RW	Pilot	1657	0022	Target HAGEN with bombload same as "B". Bombed primary at 2059.2 hrs from 18000 ft. 10/10th cloud tops 18,000 ft. vis. 2500. Bombed on Gee. Good concentration of A/C. Nothing visible. Bombing probably scattered. Duff net. 10/10th cloud up to 18000 ft.	A.2962
2nd/3rd December	LANCASTER X KB 750 N	J9696 WO HAGERSMAN DC	Pilot	1724	0111	Target HAGEN with 1 x 4000 lb HC NI TFE; 6 x 1000 lb MC ED.025 and 5 x 500 MC ED.025. Bombed primary at 2102.1 hrs from 16,000 ft. 10/10th cloud 17000-18000ft. vis good. Bombed on Gee. Bomb and photo flashes in clouds. Nothing else visible. Bombing thought to be scattered. Duff net 7-8/10 stratus and cum nim tops 10000 ft, base 5000 at French Coast outwards. Heavy icing conditions in cum nim electrical stratus.	A.2963
2nd/3rd December	LANCASTER X KB 745 O	J36790 FO WIGHTMAN HE	Pilot	1726	0023	Target HAGEN with bombload same as "H". Bombed primary at 2057.5 hrs from 18000 ft. 10/10th cloud tops 17,000 ft. Bombed on Gee because of 10/10ths cloud and no marking visible. A few small explosions seen reflected on the clouds but could not assess attack.	A.2964
2nd/3rd December	LANCASTER X KB 786 P	J12477 FL WARDER AGR	Pilot	1723	0032	Target HAGEN with bombload same as "G". Bombed primary at 2105 from 17000 ft. 10/10th cloud with tops various from 15,000 ft to 18,000 ft. No marking seen. Bombed on ER with A/C reading. A scattered mass of photo flashes. Gee packed up. No H2B ground returns. A/C from top off course on way back. Just inside the French Coast. Cloud was about 10500 which gradually increased in height as A/C reached the target and cleared about 0320H on the way home. A wasted trip.	A.2965 <i>Combat with A/C</i>
2nd/3rd December	LANCASTER X KB 772 R	J15819 FL BISHOP AA	Pilot	1709	2346	Target HAGEN with 1 x 4000 lb HC NI Amatol; 6 x 1000 lb MC ED.025; 4 x 500 GP and 1 x 400 MC ED.025. Bombed primary at 2100 hrs from 16,000 ft. 10/10th cloud tops 17,000 ft. Homed to release pt. Bombed on Gee. No estimate possible. A/C landed at MENDESHAM.	A.2966
2nd/3rd December	LANCASTER X KB 746 S	J9757 FL ARMSTRONG WR	Pilot	1705	2335	Target HAGEN with 1 x 4000 lb HC NI Amatol and 6 x 1000 MC ED.025 and 5 x 500 GP ED.025. Bombed primary at 2105 hrs from 18,000 ft. 10/10th cloud tops 15,000 ft. Bombed on Gee. Orbit to stbd. at 2059.5 hrs. Bombed on Gee. Nothing seen owing to cloud. No estimate possible. A/C landed MENDESHAM.	A.2967
2nd/3rd December	LANCASTER X KB 715 T	J37102 FO VANCE NR	Pilot	1655	2130	Target HAGEN with bombload same as "N". Bombed primary at 2059 hrs from 18,000 ft. 10/10th cloud tops 16,000 ft. Bombed on Gee fix. Nothing seen owing to cloud cover. No estimate of attack possible. A/C landed at MENDESHAM.	A.2968 <i>AK</i>

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FOR THE MONTH OF DECEMBER 1944

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
2nd/3rd December	LANCASTER X KB 752 Y	J27527 FO	HEGG GFK Pilot	1720	0001	Target HAGEN with 1 x 4000 lb HD HI Minol, 6 x 1000 lb MG TD.025 and 5 x 500 GP TD.025. Bombed primary at 2059.2 hrs from 17,000 ft. 10/10ths cloud tops 17,000 ft. Bombed on Gee. No estimate possible of attack. Some flashes seen. Not as briefed. Attack seemed scattered. Cloud conditions bad. A/C landed at HANHAM.	A.2969
2nd/3rd December	LANCASTER X KB 732 X	J25474 FO	GRIFFITH PD Pilot	1722	0043	Target HAGEN with bombload same as "S". Bombed primary at 2059 hrs from 18000 ft. 10/10th cloud 15-18000 ft. Vis. good. Bombed on Gee. about 25 bomb flashes seen lighting up the cloud which seemed well concentrated. Attack thought to be fairly good. Duff met - icing conditions up to 11,000 ft at French Coast on outward route and at increasing heights up to 16-18,000 ft. at target, clearing to 5-6/10 shortly after leaving target.	A.2970
2nd/3rd December	LANCASTER X KB 753 L	J23026 FO	DAWSON PG Pilot	1659	2342	Target HAGEN with 1 x 4000 lb HD HI TNT; 6 x 1000 lb USA ANM 59 TD.025 and 5 x 500 MG TD.025. Bombed primary at 2059 hrs from 17,000 ft. 10/10th cloud up to 16,000 ft. Lost port outer due to icing about 6 mins before target area. Had to bomb by D.R. No PFF. Port outer picked up again 20 mins past T/A. Stbd. outer gave trouble on way home. <i>See A.2971</i>	A.2971
4th/5th December	LANCASTER X KB 779 B	J32173 FL	CAVE HM Pilot	1622	2303	Target KARLSRUHE with 1 x 4000 lb HD HI Minol; 9 x 500 lb MG TD.025; 7 x 500 lb GP TD.025. Bombed primary on Gee through 10/10ths cloud tops 10,000 ft with fair vis. at 1931.2 hrs from 17,000 ft. Plenty of bomb bursts seen in T/A. Concentration of A/C good. Many fires seen on way out. Looked like a good prang.	A.2972
4th/5th December	LANCASTER X KB 735 G	J10761 FL	COLLIARD HW Pilot	1624	2327	Target KARLSRUHE with 1 x 4000 lb HD HI Anamol; 2 x 500 lb MG TD.025 and 14 x 500 lb GP TD.025. Bombed primary on T/A through 9/10ths cloud up to 17,000 ft at 1931.9 hrs from 18,000 ft. T/A well ablaze as a/c left. One large explosion at 1930 hrs and several intermittent explosions about 10 mins after bombing.	A.2973
4th/5th December	LANCASTER X KB 761 H	J29884 FO	HANEY LA Pilot	1625	2335	Target KARLSRUHE with 1 x 4000 lb HD HI TNT; 11 x 500 lb MG TD.025 and 5 x 500 lb GP TD.025. Bombed primary through 10/10ths cloud tops 15,000 ft. Target ident. by glow of fires on cloud. Numerous bomb bursts seen in T/A. Large concentration of fires under clouds. Unsuccessful trip.	A.2974
4th/5th December	LANCASTER X KB 769 I	J86975 FO	WILLIAMS GWF Pilot	1639	2312	Target KARLSRUHE with 1 x 4000 lb HD HI Minol; 2 x 500 lb MG TD.025; 14 x 500 lb GP TD.025. Bombed primary on glow of fires on cloud through 7/10ths cloud tops 9,000 ft. at 1931.2 hrs from 17000 ft. Difficult to assess due to cloud. Four large explosions seen through cloud on way out. Attack well concentrated. <i>See A.2975</i>	A.2975

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				Up	Down		
4th/5th December	LANCASTER X KB 762 J	J3476 SL	BLACK CM Pilot	1610	2316	Target KARLSRUHE with 1 x 4000 lb HC NI Minol; 12 x 500 lb MC TD.025, 4 x 500 lb GP TD.025. Bombed primary on T1's through 9/10ths cloud tops 10,000 ft at 1932.8 hrs from 18,000 ft. A/C concentration was good. Many fires seen. Good prange.	A.2976
4th/5th December	LANCASTER X KB 797 K	J90229 FO	ADAM BF Pilot	1616	2316	Target KARLSRUHE with 1 x 4000 lb HC NI Amatol; 5 x 500 lb MC TD.025, 11 x 500 lb GP TD.025. Bombed primary through 10/10ths cloud tops 15,000 ft. at 1930 hrs from 19,000 ft. Target ident. by T1's. Many fires and explosions seen. Concentration of A/C good. Good prange.	A.2977
4th/5th December	LANCASTER X KB 787 M	J35681 FO	RETAILACK GP Pilot	1627	2330	Target KARLSRUHE with 1 x 4000 lb HC NI TWT; 10 x 500 lb MC TD.025 and 8 x 500 lb GP TD.025. Bombed primary on glow on cloud through 10/10ths cloud, tops 10,000 ft. at 1932.5 hrs from 17000 ft. Fires well alight in T/A. Attack goods.	A.2978
4th/5th December	LANCASTER X KB 750 N	J12477 FL	WARGER AGR Pilot	1629	2340	Target KARLSRUHE with 1 x 4000 lb HC NI TWT; 16 x 500 lb GP TD.025. Bombed primary through 10/10ths cloud up to 8 or 9000 ft. at 1931.6 hrs from 17000 ft. Fires well burning in T/A. Jettisoned 1 x 500 lb GP TD.025 (safe) at 5139 0218 at 2344 hrs 10,000 ft.	A.2979
4th/5th December	LANCASTER X KB 748 O	J9757 FL	ARMSTRONG WR Pilot	1641	2334	Target KARLSRUHE with bombload same as "M". Bombed primary through 9/10ths cloud tops 13,000 ft at 1932 hrs from 18,000 ft. Target ident. by concentration of fires. Large concentration of fires due East of river. Good attack.	A.2980
4th/5th December	LANCASTER X KB 786 P	J25399 FL	ANDERSON JA Pilot	1626	2314	Target KARLSRUHE with 1 x 4000 lb HC NI Amatol; 9 x 500 lb MC TD.025, 7 x 500 lb GP TD.025. Bombed primary on Gec through 9/10ths cloud up to 12,000 ft at 1932.1 hrs from 19000 ft. No EFP seen. Impossible to judge results owing to cloud.	A.2981
4th/5th December	LANCASTER X KB 765 Q	J29220 FO	MOVICAR BA Pilot	1633	2235	Target KARLSRUHE with bombload same as "N". Bombed primary through 10/10ths cloud, tops 12,000 ft. at 1931.5 hrs from 17,000 ft. Lots of explosions seen in T/A. Many fires seen. Good concentration of A/C.	A.2982
4th/5th December	LANCASTER X KB 772 R	J15819 FL	BISHOP AA Pilot	1630	2333	Target KARLSRUHE with 1 x 4000 lb HC NI Amatol; 11 x 500 lb MC TD.025, 5 x 500 lb GP TD.025. Bombed the primary on glow of fires on cloud through 10/10th cloud, tops 12/13,000 ft. Whole T/A a mass of fires, and bomb bursts; Un- eventful trip.	A.2983
4th/5th December	LANCASTER X KB 746 S	J25383 FO	SHEHAN GL Pilot	1618	2324	Target KARLSRUHE with 1 x 4000 lb HC NI TWT; 14 x 500 lb TD.025 (MC) and 2 x 500 lb GP TD.025. Bombed primary on glow on cloud through 7-8/10th cloud tops 16000ft. at 1931.8 hrs from 19,000 ft. Many fires and explosions seen in T/A. 3 explosions at sea.	A.2984

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(1192-221) WL 2222-221 20W 212 T.S. 222
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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
4th/5th December	LANCASTER X KB 715 H	J36790 FO	WIGGEMAN HM Pilot	1652	2308	Target KARLSRUHE with bombload same as "H". Bombed primary on T1's through 5-6/10th cloud tops 9,000 ft at 1932.5 hrs from 17,000 ft. Fires seen and were well concentrated. Attack should be successful.	A.2985
4th/5th December	LANCASTER X KB 799 W	J27527 FO	HEGG GHK Pilot	1623	0014	Target KARLSRUHE with 1 x 4,000 lb HC NI Anadol; 16 x 500 lb MC TD.025. Bombed primary on glow on cloud through 10/10th cloud up to 15,000 ft. at 1931.7 hrs from 18,000 ft. Target well ablaze.	A.2986
4th/5th December	LANCASTER X KB 732 X	J25474 FO	GRIFFITH PD Pilot	1655	2318	Target KARLSRUHE with 1 x 4,000 lb HC NI Anadol; 5 x 500 lb MC TD.025 and 11 x 500 lb GP TD.025. Bombed primary on glow on cloud through 9/10th cloud up to 15,000 ft. at 1932 hrs from 18,000 ft. Target ident. by glow on cloud. NOTE: All a/c operating on 4th/5th Dec/44, carried Leaflets.	A.2987
5th/6th December	LANCASTER X KB 779 B	J9173 FL	GAVE HM Pilot	1756	0032	Target SOEST with 1 x 4,000 lb HC NI; 12 x 150 x 4 lb. inc. 10% "X" type. ALL aircraft carried Nickels. Bombed primary at 2131.3 hrs from 19,000 ft. Clear over targets. Ident. target by red and green T1. Bombed green T1. Marking and bombing well concentrated. Numerous small fires and a cloud of smoke covering T/A.	A.2988
5th/6th December	LANCASTER X KB 804 K	J29884 FO	BLANEY LA Pilot	1748	0041	Target SOEST with bombload same as "B". Bombed primary at 2131.8 hrs from 18,000 ft. Clear. Ident. target by red and green T1's. Bombed centre of red T1's. T/A well burning and fairly well concentrated. Should be an excellent attack if markers accurate.	A.2989
5th/6th December	LANCASTER X KB 733 C	J10761 FL	COLLARD HW Pilot	1732	0052	Target SOEST with bombload same as "B". Bombed primary at 2130.5 hrs from 17,000 ft. Ident. target by red and green T1's. Bombed one red T1 in centre of a group of green T1's. Mass of fires, one rectangular shaped building seen completely on fire. Very good attack.	A.2990
5th/6th December	LANCASTER X KB 762 J	J29220 FO	MCVICAR RA Pilot	1734	0047	Target SOEST with bombload same as "B". Bombed primary at 2131.4 hrs from 17,000 ft. Nil cloud, vis. good. Ident. target by red and green T1's. Bombed centre of red concentration. Burning real well one big explosion SW of target; seen to give a big orange glow. A/C seemed well concentrated. 50 x 4 lbs hung up, jettisoned 5135N 0215E 2320 hrs 8,000 ft. (10% "X" type) A good prang.	A.2991
5th/6th December	LANCASTER X KB 797 K	J10572 FL	SWARTZ RF Pilot	1738	0050	Target SOEST with bombload same as "B". Bombed primary at 2131.5 hrs from 19,000 ft. Clear. Ident. target by red and green T1's - tow outlined by fires. Bombed centre of red and green T1's which were all together. T/A well ablaze and fires concentrated. Good prang.	A.2992

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5th/6th December	LANCASTER X KB 787 K	J25474 FO	GRINPITH PD Pilot	1754	0057	Target SOEST with bombload same as "B". Bombed primary at 2131.2 hrs from 19,000 ft. Clear very slight haze, good vis. Ident. target by red and green T.I.'s and fires. Bombed centre of red and green T.I.'s. Red and green T.I.'s well concentrated and mixed together. Lot of fires all over the T/A. On run in about 2120 was a huge explosion from the target. Very good attack. Defences heavier than expected.	A:2993
5th/6th December	LANCASTER X KB 750 N	J12477 FL	WATNER AGR Pilot	1742	0039	Target SOEST with bombload same as "B". Bombed primary at 2131.5 hrs from 19,000 ft. Clear. Fires, 2 red T.I.'s and 2 green T.I.'s to identify target. Bombed fires and red T.I.'s. A large concentration of fires in T/A. A very good attack. FFZ were on time and on the A/B.	A:2994
5th/6th December	LANCASTER X KB 748 O	J2757 FL	ARMSTRONG WR Pilot	1755	0048	Target SOEST with bombload same as "B". Bombed primary at 2132 hrs from 18,000 ft. 4 to 5/10ths tops 10,000 ft., vis. good. Ident. target by red and green T.I.'s. Bombed centre of red and green T.I.'s. Marking well concentrated and mixed together. T/A one large mass of fires. Good attack, no difficulties.	A:2995
5th/6th December	LANCASTER X KB 786 P	J25392 FL	ANDERSON JA Pilot	1744	0025	Target SOEST with bombload same as "B". Bombed primary at 2131 hrs from 17,000 ft. Clear over target. Ident. target by red and green T.I.'s. Bombed centre of T.I.'s on the ground. A mass of well concentrated fires, with red flames, a really good effort. A most successful trip. The target was really ablaze. The marking was right on.	A:2996
5th/6th December	LANCASTER X KB 765 Q	J23026 FO	DAWSON FG Pilot	1800	0056	Target SOEST with bombload same as "B". Bombed primary at 2131.5 hrs from 18000 ft. Clear. Ident. target by red and green T.I.'s. Bombed centre of well mixed concentration of red and green T.I.'s. Fires soon seemed well ablaze with fires blimping into one another. FFZ and bombing well concentrated and on cloud well up around T/A and everything seemed to roll into the hole above the A/B.	A:2997
5th/6th December	LANCASTER X KB 746 S	J25383 FO	Sheehan, G.L. Pilot	1756	0100	Target SOEST with bombload same as "B". Bombed primary at 2132.5 hrs from 18,000 ft. Clear. Ident. target by red and green T.I.'s. The bombing switch was pulled out of the socket. Stbd. outer u/a. Port elevator damaged by heavy fix over target at 2131 hrs 18,000 ft. On run up sustained damage to a/c. The T/A was well alight and it should be a good attack. Fix damage caused technical failure so although full load in the T/A.	A:2998
5th/6th December	LANCASTER X KB 715 T	J36790 FO	WIGHTMAN HM Pilot	1740	0059	Target SOEST with bombload same as "B". Bombed primary at 2130 hrs from 17000 ft. 3/4/10ths cloud tops about 9000 ft. Ident. target by green T.I. Bombed green T.I. Carpet of flames and small explosion, very good attack.	A:2999

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(11291-551) Wt. 4800-110; fuel 843 T.S. 700
(11290-551) Wt. 4400-338; rpm 1164 T.S. 700

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
5th/5th December	LANCASTER I KB 799 Y	J37102 FO VACHE BR	Pilot	1752	005.	Target SOMET with bombload same as "B". Bombed primary at 2131.5 hrs from 19,000 ft. clear, vis. 6000. Target ident. by red and green T.I.s. Bombed centre of red T.I.s. Built up area all around. Too dark to see the other a/c but many bombs seen bursting.	A.3000
5th/5th December	LANCASTER I KB 752 Y	J37527 FO HERRICK CRK	Pilot	1753	005.	Target SOMET with bombload same as "B". Bombed primary at 2130.6 hrs from 19,000 ft. clear. Target identified by green and red T.I. and Gen. T.I.s. Bombed centre of concentration of red T.I., marking was exceptionally good and on time. Good fire, had taken hold and the S.A. looked like a boiling mass of molten lead. 2 x 150 lb (108 "X" type) hung up. Jettisoned at 2138.02 hrs. 2318 hrs. 2000 ft. 1/3 rd of a unit lb (108 "X" type) hung up. This 1/3 can was removed from the A/C as this was a/c landed. Somet like a highly successful attack. Good concentration of A/C and bombs seen bursting among 2. 1/2 A/C landed at EYB.	A.3000
5th/5th December	LANCASTER I KB 769 I	J30229 FO ADAM WF	Pilot	1853	23.8	Target SOMET with bombload same as "B". Bombed primary at 2131 hrs from 18,000 ft. Identified target by red and green T.I.s. Bombed centre of T.I.s. Good attack.	A.3002
5th December	LANCASTER I KB 722 A	J23006 FO DARRIN JC	Pilot	1625	22.8	Target SOMET with 28 x 500 lb HE TD-025 and minnie. Primary at 1940.6 hrs from 19,000 ft. 10/10ths cloud top to 15,000 ft. 10000. and bombed on BR. See want H/A before targets. Too early in attack to report, but some explosions and glow seen as a/c left the area.	A.3003
6th December	LANCASTER II KB 779 B	J35209 FO HERRICK CRK Flt Commander CR PD Sgt K.T. Graham PD Sgt G.E. Smith PD? Sgt E.M. Hanam PD. (Rear) Sgt R.D. O'Neil Sgt J.H. Marshall PD	Pilot	1640	- -	This a/c took off to attack SOMET with 3 x 500 lb HE TD-025 and 17 x 500 lb HE TD-025 and minnie, but failed to return from the operation. The following are the attacking crew members: (P) J35209 P/O B.D. Ryanman with 6 sorties, 25 yds and 20.20 operational hrs (N) J36713 P/O G.R. Chapman with 5 sorties, 20 yds and 33.15 op hrs (A.B.) J28422 Sgt. Smith, G.S. with 5 sorties, 20 yds and 33.15 op hrs. (W) J28786 Sgt. Gordon, L.F. with 5 sorties, 20 yds and 33.15 op hrs. (S) J28227 Sgt. O'Neil, R.D. with 1 sortie, 20 yds and 33.15 op hrs (M/A) J25556 Sgt. Marshall, B.L. with 5 sorties, 20 yds and 33.15 op hrs. (H/A) J28422 Sgt. Smith, G.S. with 5 sorties, 20 yds and 33.15 op hrs.	A.3004

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6th December	LANCASTER I KB 733 G	J10761 FL	COLLARD HF	Pilot	1628	2236	Target OSNABRUCK with 2 x 500 lb GP TD-025 and 16 x 500 lb ME TD-025 and nickels. Primary at 1929.7 hrs from 21,000 ft. 10/10ths cloud to 15,000 ft. Ident. by Gee fix and glow on cloud and bombed the target. No marking seen. A number of glow seen after a/c left. Almost collided with a plane over the N. Sea. 1 x 500 lb GP TD-025 hung up and jettisoned alive at the following positions: 5428 0338 2007 hrs from 16,000 ft. 5508 0238 2112.5 hrs from 17,000 ft. 5628 0518 hrs from 17,000 ft. at 2105 hrs. 5168 0138 2135 hrs from 17,000 ft.	A.3005
6th December	LANCASTER I KB 761 K	J621A FL	HUNTER HB	Pilot	1636	2240	Target OSNABRUCK with 5 x 500 lb ME TD-025, 1 x 1000 lb ME MI (G-150) 11b Inc. and nickels. Furthest point reached 5208 0508. Objective ORE. Hit burning tank and lost our instruments - lost height to 10,000 ft. Attempted to fly on course to target without instruments but after estimating that a/c would be 15-20 mins late abandoned mission. Whole tank jettisoned early at 5228 0258 at 2044 hrs from 6100 ft.	A.3006
6th December	LANCASTER I KB 769 I	J64975 FO	WILLIAMS GP	Pilot	1601	2220	Target OSNABRUCK with 16 x 500 lb GP TD-025 and 1 x 500 lb ME TD-025 and nickels. Primary at 1940.4 hrs from 19,000 ft. Ident. and bombed on green glow on cloud. Impossible to assess results owing to 10/10ths cloud to 12,000 ft with haze to 10,000 ft. 1 x 500 lb GP TD-025 left safe at 5242 0538 hrs from 16,000 ft. at 2058 hrs.	A.3007
6th December	LANCASTER I KB 762 J	J6984 FO	HANKE LA	Pilot	1605	2229	Target OSNABRUCK with 20 x 500 lb ME TD-025 and nickels. Primary at 1940.8 hrs from 20,000 ft. 10/10ths cloud to 7000 ft. Haze to 20,000 ft. Ident. and bombed on Gee. Target obscured but fires seen under cloud as a/c left. One very large explosion at 1948 hrs.	A.3008
6th December	LANCASTER I KB 733 L	J9029 FO	ADAM HF	Pilot	1605	2222	Target OSNABRUCK with 8 x 500 lb GP TD-025 and 16 x 500 lb ME TD-025. Primary at 1940.4 hrs from 19,000 ft. 10/10ths cloud to 18,000 ft. Ident. and bombed on Gee. No markers seen at all, but some bomb flashes seen.	A.3009
6th December	LANCASTER I KB 767 M	J5581 FO	HERALD GP	Pilot	1618	2237	Target OSNABRUCK with bomb load same as "I". Primary at 1940.5 hrs from 20,000 ft. Ident. and bombed on glow of fires on cloud base. One large explosion seen at 1943 hrs and subsequent fire catching hold.	A.3010
6th December	LANCASTER I KB 750 N	J12477 FL	WARRER AGE	Pilot	1631	2231	Target OSNABRUCK with 1 x 500 lb GP TD-025 and 16 x 500 lb ME TD-025. Primary at 1942 hrs from 19,000 ft. Ident. and bombed on Gee. Concentrated fires thought to be in S/W seen as a/c left. 10/10ths cloud with haze up to 20,000 ft.	A.3011

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

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(11201-021) Wt. 2882-1184 200 842 T.S. 700
(11202-021) Wt. 2400-2284 1900 3164 T.S. 700

FOR THE MONTH OF DECEMBER 1944

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCE
				Up	Down		
6th December	LANCASTER I KD 748 0	J36790 FO WICHMAN HM	Pilot	1619	2243	Target OSNABRUCK with bombload as 'B'. Bombed primary at 1955.5 hrs from 20,000 ft. 10/10ths cloud to 8000' with haze above. Ident. and bombed on glow on cloud and Gee. Glow of fires, but no markers seen. 1 x 500 lb MD TD.025 hung up and jett. at 5835N 0705W from 12,000 ft at 1957.	A.3012
6th December	LANCASTER I KD 786 P	J25999 PL Anderson JA	Pilot	1555	2210	Target OSNABRUCK WITH BOMBLOAD SAME AS 'B'. Primary at 1948 hrs from 21,000 ft. Ident. and bombed on Gee. 10/10ths cloud to 14,000 ft. No marking seen. only glow of fires under cloud. 1 x 500 lb MD.025 hung up and jett. safe at 5835N 0705W from 19,000 ft at 1950 hrs. 5 x 500 lb MD.025 hung up and jett. safe at 5835N 0705W from 16,000 ft at 1947 hrs. Icing caused hang-ups and carriers had to be jettisoned.	A.3013
6th December	LANCASTER I KD 772 K2	J15819 PL RUDOLF AA	Pilot	1642	2222	Target OSNABRUCK with 3 x 500 lb GP TD.025 and 15 x 500 lb MD TD.025. Primary at 1940 hrs from 19,000 ft. Ident. and bombed on Gee and green glow on cloud. 10/10ths cloud to 7,000 ft. Impossible to assess results.	A.3014
6th December	LANCASTER I KD 719 T	J3757 PL ARMSTRONG WR	Pilot	1610	2250	Target OSNABRUCK with 5 x 500 lb GP TD.025 and 15 x 500 lb MD TD.025. Primary at 1940.5 hrs from 20,000 ft. 10/10ths cloud 10-12,000 ft. Ident. and bombed on Gee fix with aim of fire glow large explosion in 2/A at 1945 hrs.	A.3015
6th December	LANCASTER I KD 752 Y	J27527 FO BROC GSK	Pilot	1633	2222	Target OSNABRUCK with 9 x 500 lb GP TD.025, 11 x 500 lb MD TD.025. Bombed primary on Gee fix and red glow through 10/10ths cloud, tops 6-7,000 ft. Mist at 1940.8 hrs from 21,000 ft. target ident. by Gee fix. No estimate possible owing to cloud cover. Brought back 1 x 500 lb GP TD.025 due to hang up. 1 x 500 lb GP TD.025 on fire and attempted to feather it and the whole electrical system out. Part outer wiring up, wire inner out. Owing to technical failures all 11 did not have time to assess results. All markers jettisoned.	A.3016
6th December	LANCASTER I KD 799 U	J37402 FO FARNS MR	Pilot	1612	2208	Target OSNABRUCK with 4 x 500 lb GP TD.025 and 3 x 500 lb MD TD.025. Primary at 1940.5 hrs from 19,000 ft. 10/10ths cloud tops 21,000 ft. Ident. and bombed on Gee fix. Some haze. Flashes seen - nothing seen of target. 1 x 500 lb GP TD.025 jett safe at 5225N 0615E at 2005 hrs from 12,000 ft.	A.3017
6th December	LANCASTER I KD 732 X	J25474 FO GRIFFITH PD	pilot	1607	2230	Target OSNABRUCK with 10 x 500 lb GP TD.025 and 10 x 500 lb MD TD.025. Primary at 1944.3 hrs from 20,000 ft. 10/10ths cloud tops 5-6,000'. Ident. and bombed on Gee. Attack appeared successful, cloud below further assessment impossible. Marker had throughout. 1 x 500 lb MD TD.025 safe at 5211N 0740E 1950 hrs from 12,000 ft.	A.3018

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
15th December	LANGASTER X KB 722 A	J17469 FO HOW SW	Pilot	1416	2039	Target LAMWIGSHAVEN with 1 x 4000 lb HC NI Amstel; 7 x 500 lb GP TD-025; 8 x 500 lb HS TD-025. Bombed primary at 1823.5 hrs from 20,000 ft. in centre of TI's in clear weather. Marking well concentrated. One large explosion seen in T/A. Looked like a good attack. Target identified by markers. A/C landed at BIRKHAM CAMP.	A-3019
15th December	LANGASTER X KB 804 B	J28884 FO HARRY LA	Pilot	1413	2032	Target LAMWIGSHAVEN with 1 x 4000 lb HC NI Trinetel; 4 x 500 lb GP TD-025; 11 x 500 lb HS TD-025. Bombed primary on sea, through clear weather, at 1825.6 hrs from 18,000 ft. Target ident. by N/A and Clark. Too early to judge results. A/C landed at BIRKHAM CAMP.	A-3020
15th December	LANGASTER X KB 753 C	J10761 FL GILLARD HW	Pilot	1411	2100	Target LAMWIGSHAVEN with 1 x 4000 lb HC NI Amstel; 5 x 500 lb GP TD-025, 10 x 500 lb HS TD-025. Bombed primary on sea through clear weather, but slight ground haze, at 1832.7 hrs from 17,000 ft. Target ident. by markers. A number of medium-sized explosions and fires seen in T/A. Looked like a good thing. A/C landed at BIRKHAM CAMP.	A-3021
15th December	LANGASTER X KB 769 I	J66975 FO WILLIAMS OMP	Pilot	1430	2057	Target LAMWIGSHAVEN with 1 x 4000 lb HC NI Trinetel; 15 x 500 lb HS TD-025. Bombed primary on markers, through clear weather, some haze, at 1833.5 hrs from 16,000 ft. Target ident. by markers. Whole T/A a mass of fire with plenty of smoke. Several large explosions. Raid seemed to be successful. A/C landed at BIRKHAM CAMP.	A-3022
15th December	LANGASTER X KB 762 J	J5476 FL BLACK GE	Pilot	1445	2020	Target LAMWIGSHAVEN with 1 x 4000 lb HC NI Trinetel; 11 x 500 lb GP TD-025, 4 x 500 lb HS TD-025. Bombed primary in centre of markers, through thin layer of cloud at 21,000 ft. at 1835.5 hrs from 19,000 ft. Target ident. by TI's. Lots of fires and small explosions in the T/A. In-charge at 1835H 0752H 1445 hrs, 17,000 ft. A/C landed at BIRKHAM CAMP.	A-3023
15th December	LANGASTER X KB 797 K	J6214 FL HINER HB	Pilot	1419	2035	Target LAMWIGSHAVEN with bombload same as "D". Bombed primary at 1836.1 hrs from 18,000 ft. Weather clear. Target ident. by N/A TI's on ground and ground succeeding. Bombed centre of TI's ref. RTT succeeded by fires which were getting hold. A/C landed at BIRKHAM CAMP.	A-3024
15th December	LANGASTER X KB 755 L	J27874 FO THORP GO	Pilot	1421	2111	Target LAMWIGSHAVEN with 1 x 4000 lb HC NI Trinetel; 1 x 500 lb GP TD-025, 14 x 500 lb HS TD-025. Primary at 1833.1 hrs from 17,000 ft. Clear but some haze. Target ident. by fires and red and green markers. Bombed green TI's. Two large explosions seen on run-up stage of sea and fire. Heavy black smoke spalled up from the fires. Bombing concentrated. Successful raid. A/C landed at BIRKHAM CAMP.	A-3025

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By No. 49 (R.C.A.F.) Squadron.

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(11994-011) Wt. 4000-124 700 Hpt. 700
(11999-011) Wt. 4000-124 1200 Hpt. 700

FOR THE MONTH OF **DECEMBER 1944**

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
15th December	LANCASTER I KB 787	J16953 FL	BARLOW JP Pilot	1442	2044	Target LUDWIGSHAVEN with 1 x 4000 lb HC NI Minol, 5 x 500 lb GP TD.025, 10 x 500 lb MC TD.025. Primary at 1833.5 hrs from 16,000 ft. Thin haze on ground, 10/100th cloud at 15,500 ft. Vis. good. Target ident. by red and green TI's. Bombed red TI's. Red and green TI's well concentrated. Series of explosion at 1830 hrs. and one large explosion. Fires visible 60 miles away from target. A/C landed at DRIFHAM GREEN.	A.3026
15th December	LANCASTER I KB 748	J26673 FO	OSBORN WW Pilot	1433	2049	Target LUDWIGSHAVEN with bombload same as "B". Primary at 1832.2 hrs from 17,500 ft. Low stratus cloud 6-7,000 ft. thin layered. Target ident. by red and green TI's. Bombed red TI's. The A/C was covered with smoke and huge fires. Good attack. A/C landed at DRIFHAM GREEN.	A.3027
15th December	LANCASTER I KB 786	J25399 FL	ANDERSON JA Pilot	1423	2037	Target LUDWIGSHAVEN with 1 x 4000 lb HC NI Minol, 6 x 500 lb GP TD.025, 9 x 500 lb MC TD.025. Primary at 1833.6 hrs from 16,000 ft. Weather clear. Target ident. by red and green TI's and fires. Bombed green TI's. Bombing well concentrated. Several explosions seen before and after bombing. Attack spread south along the river. A/C landed at DRIFHAM GREEN.	A.3028
15th December	LANCASTER I KB 765	J29220 FO	MEVIGAR RA Pilot	1432	2114	Target LUDWIGSHAVEN with 1 x 4000 lb HC NI Minol, 10 x 500 lb GP TD.025, 5 x 500 lb MC TD.025. Primary at 1833.6 hrs from 16,000 ft. Weather clear but smoky. Target ident. by red and green TI's and green with red stars wanganui. Bombed centre of reds on ground. One fair explosion at 1832 hrs in centre of fires. Well concentrated and alight. A/C landed at DRIFHAM.	A.3029
15th December	LANCASTER I KB 746	J15819 FL	BIRNIE AA Pilot	1436	2110	Target BEE LUDWIGSHAVEN with 1 x 4000 lb HC NI Minol, 7 x 500 lb GP TD.025, 8 x 500 lb MC TD.025. Primary at 1834 hrs from 16,000 ft. Weather clear, ground haze and smoky. Target ident. green TI's and sky markers. Bombed centre of HI Green. Fires well concentrated, lots of smoke. One large explosion seen as A/C bombed. Good attack if markers on. A/C landed at DRIFHAM GREEN.	A.3030
15th December	LANCASTER I KB 715	J9757 FL	ARMSTRONG WR Pilot	1428	2045	Target LUDWIGSHAVEN with 1 x 4000 lb HC NI Minol, 12 x 500 lb GP TD.025, 3 x 500 lb MC TD.025. Primary at 1834.4 hrs from 19,000 ft. Weather clear. Target ident. by red and green TI's and green wanganui. Bombed centre of concentration of red and green TI's. Everything well alight and concentrated. A/C landed at DRIFHAM GREEN.	A.3031
15th December	LANCASTER I KB 700	J12477 LP	HARDER AGE Pilot	1431	2047	Target LUDWIGSHAVEN with 1 x 4000 lb HC NI Minol, 9 x 500 lb GP TD.025, 6 x 500 lb MC TD.025. Primary at 1834.5 hrs from 16,000 ft. Weather clear. Target ident. by greens cascading into burning area. Bombed centre of fires. Well concentrated, fires really going to town. A/C landed DRIFHAM GREEN.	A.3032

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
15th December	LANCASTER I ED 799 F	J37102 FW VANCE NR	Pilot	1426	2104	Target LUNDSHAVEN with 1 x 4000 lb HD HI Ammol; 11 x 500 lb GP ED.025, 1 x 500 lb MC ED.025. Primary at 1432.5 hrs from 17,000 ft. Attack looked concentrated. Ident by red and green flares with red stars. Bombed centre of red TI's on ground. Bomb bursts well around TI's. 8th inner radiator holed by heavy flame in N/A. 8th inner feathered about 10 minutes after bombing due to alcohol leak resulting from fuel damage. A/C landed Deepham Green	A. 3033
15th December	LANCASTER I ED 732 X	J16112 FL HACKETT AM	Pilot	1450	2144	Target LUNDSHAVEN with bombload same as "F". Primary at 1457.7 hrs from 17,000 ft. Vis good, some slight haze. Target ident. by red and green TI's. Bombed green TI's, flares and smoke. Flares concentrated and lots of smoke. Bomb starry bombing. Attack considered good.	A. 3034
18th December	LANCASTER I ED 722 A	J23026 FG DAWSON FG	Pilot	0214	0931	Target DUISBURG with 1 x 4000 lb HD HI, 5 x 500 lb GP ED.025, 11 x 500 lb MC ED.025. Primary at 0624.1 hrs from 25,000 ft. 10/10ths cloud tops 17,500 to 19,000 ft. Target ident by one red and one green TI. Bombed on Gce. One large explosion seen at 0622 hrs. Nothing else seen, too much cloud. A/C landed Healdaby.	A. 3035
18th December	LANCASTER I ED 761 B	J9173 FL GAVE HM	Pilot	0238	0924	Target DUISBURG with bombload 1 x 4000 lb HD HI and 15 x 500 lb GP ED.025, Primary at 0623 hrs from 19,500 ft. 10/10ths cloud tops at 19,000 ft. Target ident by Gce. Bombed on Gce. No results observed. A/C landed HAMPSHIREHAM.	A. 3036
18th December	LANCASTER I ED 804 B	J6214 FL HUNTER MB	Pilot	0212	0850	Target DUISBURG with 1 x 4000 lb HD HI, 15 x 500 lb GP ED.025 and 6 x 500 lb MC ED.025. Primary at 0623 hrs from 19,500 ft. 10/10ths cloud up to 15,000 ft. Target ident by red and glow on clouds and Gce. Bombed glow on cloud and on Gce. No results observed due to cloud. A/C landed WEST RAYHAM.	A. 3037
18th December	LANCASTER I ED 733 C	J16953 FL BARLOW JP	Pilot	0242	0910	Target DUISBURG with 1 x 4000 lb HD HI, 9 x 500 lb GP ED.025 and 7 x 500 lb MC ED.025. Primary at 0632.5 hrs from 17,000 ft. 10/10ths cloud up to 15,000 ft. Target ident by red glow on cloud and Gce, bombed same. Fairly large explosion at bombing time. Impossible to judge results. Flew in cloud most of way over continent. Began to lose time after reaching bombing height and bombed late. A/C landed WRESCOTT.	A. 3038
18th December	LANCASTER I ED 761 H	J27074 FG THORP GO	Pilot	0210	0909	Target DUISBURG with 1 x 4000 lb HD HI, 15 x 500 lb GP ED.025 and 1 x 500 lb MC ED.025. Primary at 0625 hrs from 16,500 ft. 10/10ths cloud up to 16,000 ft. Target ident by red glow on cloud and Gce. Bombed on Gce. No results seen. A/C landed HAMPSHIREHAM.	A. 3039

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

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(1945-46) WL 2280-2284 2000 240 TA 700
(1940-45) WL 2280-2284 1900 240 TA 700

FOR THE MONTH OF **DECEMBER 1944**

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
18th December	LANCASTER I KB 797 K	J86975 FO	WILLIAMS CWF Pilot	0228	0903	Target DUISBURG with 1 x 4000 lb HD NI, 7 x 500 lb GP TD, 025, and 2 x 500 lb HD TD. 025. Primary at 0620.6 hrs from 19,500 ft. 10/10ths cloud up to 19,000 ft. Target ident. by red glow on clouds and Gee, bombed on same. No results. A/G landed WESTERHINGHAM.	A. 3040
18th December	LANCASTER I KB 753 L	J17469 FO	HOW FW Pilot	0225	0920	TARGET DUISBURG with bombload same as MEK "B". Primary at 0624 hrs from 20,000 ft. 10/10ths cloud about 20,000 ft and vis poor. Target identified by D.R. run from Gee. Bombed on D.R. Impossible to assess attack but red glow of several explosions seen on cloud over A. AF1 and D.R. pass went U/S on setting course. Gee very erratic. Could not get above cloud in target area. A/G landed SWINGHBY.	A. 3041
18th December	LANCASTER I KB 750 N	J9157 FL	ARMSTRONG WR Pilot	0240	0904	Target DUISBURG with 1 x 4000 lb HD NI, 11 x 500 lb GP TD. 025 and 5 x 500 lb HD TD. 025. Primary at 0625 hrs from 20,000 ft. 10/10ths cloud up to 12,000 ft. Target ident by red glow on cloud and Gee. Bombed on Gee. Impossible to assess attack. A/G landed WESTERHINGHAM.	A. 3042
18th December	LANCASTER I KB 748 O	J26673 FO	OSBORNE WW Pilot	0231	0906	Target DUISBURG with 1 x 4000 lb HD NI, 1 x 500 lb GP TD. 025 and 2 x 500 lb HD TD. 025. Primary at 0622.7 hrs from 16,000 ft. 10/10ths cloud, tops 22,000 ft. Target ident by glow on cloud and Gee. Bombed glow on cloud. No results. A/G landed WESTERHINGHAM.	A. 3043
18th December	LANCASTER I KB 786 P	J25393 FL	ANDERSON JA Pilot	0233	0859	Target DUISBURG with bombload same as "B". Primary at 0621.2 hrs from 19,000 ft. 10/10ths clouds up to 19,000 ft. Target identified by glow on cloud and Gee. Run in on Gee, bombed on glow and E.T.A. Impossible to judge attack. A/G landed WESTERHINGHAM.	A. 3044
18th December	LANCASTER I KB 746 S	J10761 FD	COLLARD HW Pilot	0246	0921	Target DUISBURG with bombload same as "B". Primary at 0627.7 hrs from 16,000 ft. 10/10ths clouds, tops about 10,000 ft. Target identified by Gee. Bombed on Gee. No results. Flew through cloud from French coast to Target and back. Data because of extremely adverse winds. A/G landed SWINGHBY.	A. 3045

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
18th December	LANCASTER I EB 715 Z	J7007 FL WATTS JW	Pilot	0224	0858	Target DUISBURG with 1 x 4000 lb HC NI, 12 x 500 lb GP TD,025, 4 x 500 lb MC TD,025. Primary at 0625,8 hrs from 21,000 ft. 10/10ths cloud, tops about 20,000 ft. Target identified by Gee and one green TI. Bombed on Gee. Could see the glow of numerous fires through cloud. Air Speed Indicator froze up at French Coast on way to Target. A/C landed BARKSTON-BRATH.	A.3046
18th December	LANCASTER I EB 732 Z	J16112 FL HALKETT AM	Pilot	0244	0837	Target DUISBURG with 1 x 4000 lb HC NI, 4 x 500 lb GP TD,025 and 12 x 500 lb MC TD,025. Primary at 0624 hrs from 17,000 ft. 10/10ths cloud up to 12,000 ft. Target identified by red cascading aa w/o minus ran in, glow on cloud and Gee. Bombed glow on cloud with Gee. No results observed. A/C landed BARFORD ST. JOHN.	A.3047
18th December	LANCASTER I EB 700 Z	J12477 FB WARDER AGR	Pilot	0239	0940	Target DUISBURG with 1 x 4000 lb HC NI, 3 x 500 lb GP TD,025 and 13 x 500 lb MC TD,025. Primary at 0632 hrs from 14,000 ft. 10/10ths cloud up to 8,000 ft. Target identified by red glow on cloud and Gee. Ran in on Gee to glow. No results. A/C landed BRIMLON.	A.3048
18th December	LANCASTER I EB 745 Q	J29220 FO NEWIGER RA	Pilot	0236	0921	Target DUISBURG with bombload same as "B". Primary at 0623 hrs from 19,500 ft. 10/10ths cloud up to 19,000 ft. Target identified by glow of red TI's. Bombed centre of red glow on Gee line. No results due to cloud. Missed diversion due to N/S equipment which had been giving trouble during whole trip.	A.3049
18th December	LANCASTER I EB 772 Z	J29777 FO COOPER SE	Pilot	0222	0935	Target DUISBURG with 1 x 4000 lb HC NI, 2 x 500 lb GP TD,025 and 14 x 500 lb MC TD,025. Bombed primary at 0625 hrs from 16,000 ft. through 10/10ths cloud tops 18000 ft. Identified target by red glow on cloud and Gee. Bombed red glow on cloud. Nothing else observed due to heavy cloud. 1 x 500 lb GP TD,025 hang up. Jettisoned live 5010W 00208 0522 hrs, 12,000 ft. Evidently hung up since then fell into bomb bay. Too much cloud to see anything. A/C landed BETHESINGHAM.	A.3050

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(12761-0211) Wt. 4400-2264 700 2142 700
(12760-0211) Wt. 4400-2264 1200 2142 700

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
21st December	LANCASTER I KB 722 A	J23025 FO BARNON FO	Pilot	1444	2150	Target OOLOGNE with 1 x 4000 lb HQ HI Ametal; 4 x 1000 lb HQ HI Ametal and 2 x 500 lb HI and 2 x 500 GP TD.025. Bombed primary at 1838.2 hrs from 19,000 ft. through 10/10ths cloud at 7,000 ft. Identified target by glow of red and green TIs and flares red with green stars checked by GHE. Bombed near side of glow of markers. Good concentration of markers; some bomb bursts seen reflected on clouds. No other results seen. 1 x 1000 HQ HI Ametal hung up and 10 being (safe). Jettisoned 500 lb GP TD.025 2007 hrs 10,000 ft. Attack thought well concentrated. All A/C carried and dropped Nichols as ordered.	A.3051
21st December	LANCASTER I KB 721 B	J9173 FL GAVE HM	Pilot	1452	2151	Target OOLOGNE with 1 x 4000 lb HQ HI Ametal; 4 x 1000 lb HQ HI Ametal and 7 x 500 GP TD.025. All bombs jettisoned safe 5195W 0302H 1954 hrs 10,000 ft. All Nav. positional aids failed at Forward Coast. At Forward Coast 200 drops, 200 lbs marked on R. Route followed incorrect.	A.3052
21st December	LANCASTER I KB 720 D	J17469 FO HOW FW	Pilot	1508	2159	Target OOLOGNE with 1 x 4000 lb HQ HI Ametal; 2 x 1000 lb HI and 2 x 1000 HQ HI Ametal and 5 x 500 GP TD.025. Bombed primary at 1838 hrs from 18,000 ft. through 10/10ths cloud tops 8,000 ft. Identified target by red TI's glow. Bombed sky markers red with green stars. Some red flares seen in T/A, nothing else seen. 1 x 1000 lb HQ HI Ametal hung up and jett. safe 2200W 0310H 1954 hrs from 9,000 ft. Attack seemed to be good if markers were on. A/C seen going in and out of target with their lights on.	A.3053
21st December	LANCASTER I KB 804 E	J18572 FL SWANCK HW	Pilot	1450	2146	Target OOLOGNE with 1 x 4000 lb HQ HI Ametal; 4 x 1000 lb HQ HI Ametal and 5 x 500 GP TD.025. Bombed primary at 1838.9 hrs from 17,500 ft. through 10/10th cloud tops 8000 ft. Identified target by green TIs red TI markers and flares red and green stars. Bombed glow of green TI on cloud. Sky markers were some distance to starboard and seemed to be inaccurate. Could not see markers. 1 x 1000 HQ HI Ametal hung up, jett. safe at 2202W 0329H 1954 hrs from 8,000 ft. Looked like a poor attack.	A.3054
21st December	LANCASTER I KB 733 C	J10761 FL COLLARD HW	Pilot	1456	2113	Target OOLOGNE with 1 x 4000 lb HQ HI Ametal; 4 x 1000 lb HQ HI Ametal, 7 x 500 GP TD.025. Bombed primary at 1836.2 hrs from 17,000 ft. through 10/10th cloud tops 6000 ft. Identified target by red TI. Bombed near side of glow of red TI. Target obscured by clouds. A big explosion seen in T/A at 1837 hrs.	A.3055
21st December	LANCASTER I KB 761 H	J16955 FL BARKLOW JP	Pilot	1512	2138	Target OOLOGNE with built-up same as 'A'. Bombed primary at 1836.3 hrs from 16,500 ft. through 10/10th cloud tops 5000 ft. Identified by red TIs in cloud. Bombed on glow of red markers. No assessment possible. GHE TIX made the markers okay. 1 x 1000 HQ HI Ametal hung up, jett. safe 5202W 0302H 1952 hrs 9000ft. TIs were well placed and if they were on the attack should be well concentrated.	A.3056

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
21st December	LANCASTER I KB 769 I	PO WILLIAMS GDF	Pilot	1502	2103	Target COLOGNE with 1 x 4000 lb HC HI Minel; 5 x 1000 lb MO; 1 x 1000 lb USA MAP; 2 x 500 MC and 5 x 500 GP TD-025. Bombed primary at 1838.2 hrs from 16,000 ft. through 10/10ths cloud about 10,000 ft. via above good. Identified target by sky markers. Bombed red and green glow of flames and checked by GMR. Terrific momentary explosion at 1838 hrs. Could not really assess attack due to cloud cover.	A.3057
21st December	LANCASTER I KB 755 I	PO THORP GO	Pilot	1501	2201	Target COLOGNE with 1 x 4000 lb HC HI Minel; 4 x 1000 lb USA MAP TD-025; 2 x 500 MC and 5 x 500 GP TD-025. Bombed primary at 1835.5 hrs from 19,000 ft. through 10/10ths cloud tops 12,000 ft. Identified target by sky markers. Bombed centre of sky markers. No markers possible. Markers well concentrated. 1 x 1000 lb USA MAP hung up and brought back. If the markers were on the target should be good.	A.3058
21st December	LANCASTER I KB 765 P	FL WATER JW	Pilot	1458	2200	Target COLOGNE with 1 x 4000 lb HC HI Minel; 4 x 1000 lb USA MAP TD-025; 2 x 500 MC and 5 x 500 GP TD-025. Bombed primary at 1835.4 hrs from 18,000 ft. through 10/10ths cloud tops 4,000 ft. Identified target by glow of red EI's checked by GMR. Bombed glow on cloud. Could only see glow on cloud and a few bomb bursts. 1 x 1000 USA MAP TD-025 hung up, jet. saw at 2210.05108 2002 hrs 10,000 ft. THORP well concentrated marking well together.	A.3059
21st December	LANCASTER I KB 765 Q	PO MCVICAR RA	Pilot	1448	2145	Target COLOGNE with bombload same as "P". Bombed primary at 1851 hrs from 15,000 ft. through 10/10th cloud tops 2-10,000 ft. via good. Identified target by red and green EI seen banding at 1859 hrs. Glow of 2 bomb bursts seen on run in. Cloud obscured target. Cannot assess attack.	A.3060
21st December	LANCASTER I KB 772 R	PO ADAM HF	Pilot	1510	2123	Target COLOGNE with bombload same as "P". Bombed primary at 1834.9 hrs from 17,000 ft. through 10/10th cloud tops 7000'. Identified target by glow on cloud, checked by GMR. Bombed glow on cloud. Glow on cloud only thing seen. Too early to assess results. Markers were well concentrated.	A.3061
21st December	LANCASTER I KB 746 S	FL WARNER AGF	Pilot	1503	2121	Target COLOGNE with bombload same as "D". Bombed primary at 1835.9 hrs from 7,000 ft. Identified target by red EI. Bombed near side of red glow of EI. Could not assess attack due to cloud.	A.3062
21st December	LANCASTER I KB 719 T	PO COWAN TH	Pilot	1449	2140	Target COLOGNE with bombload same as "L". Bombed primary at 1834 hrs from 16,000 ft. through 10/10th cloud tops 5000 ft. Identified target by red flames with green stars. Bombed centre of red flames. Photo flashes seemed concentrated. Glow of fires seen through cloud.	A.3063

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(11450-1011) WL 4000-1104 1944 745 TA 700
(11450-1011) WL 4000-1104 1944 1144 TA 700

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
21st December	LANCASTER X KD 752 V	J9757 FL ARMSTRONG WR	Pilot	1445	2138	Target OCELOCH with bombload same as "L". Bombed primary at 1828 hrs from 19,000 ft. through 10/10th cloud. Identified target by red and green sky marking and green TI. Bombed glow of green TI and sky marking. Could not assess going to cloud. 1 x 1000 USA SAP TD-025 hung up, jett. safe 5230N 0300E at 1949 hrs.	A.3064
21st December	LANCASTER X KD 752 X	J16112 FL HALKETT AM	Pilot	1500	2131	Target OCELOCH with 1 x 4000 lb H2 NI Amatol; 1 x 1000 USA SAP; 1 x 500 lb GP; 6 x 500 lb GP TD-025. Bombed primary at 1837 hrs from 18,500 ft. through 10/10th cloud tops 6/8, 000 ft. Identified target by sky marking and green TI. Bombed green TI. Flashes off bombs going off but nothing else seen. 1 x 1000 USA SAP TD-025 hung up, jett. safe 5220N 0300E, 18,000 ft. at 1949 hrs.	A.3065
21st December	LANCASTER X KD 700 S	J26675 FO OSBORN WW	Pilot	1537	2153	Target OCELOCH with bombload same as "A". Bombed primary at 1837 hrs from 16,500 ft. through 10/10th cloud tops 8, 000 ft. Identified target by red flares with green stars and red glow in cloud. Bombed estimated centre of sky markers on heading off 095. No results seen, some explosions seen as a/c ran into target. 1 x 500 lb GP hung up and jett. safe 5211N 0300E 1956 hrs 6000 ft. 1 x 1000 lb GP TD-025 hung up and jett. safe 5217N 0310E at 1959 hrs 6,000 ft. Could not see any results of attack.	A.3066
24th December	LANCASTER X KD 722 A	J23026 FL DAWSON FG	Pilot	1449	1725	Target DUNSHEDDOW with 7 x 1000 lb ME; 2 x 1000 lb GP; 2 x 500 lb ME; 2 x 500 lb GP TD-025; 4 x 250 lb GP. Bombed primary at 1450 hrs from 18000 ft. Clear with some ground haze. Identified target by runways and buildings visually. saw red flares. Bombed centre point of all runways. KB heard to instruct to overshoot red TI which was what A/C did. Splendid ammunition. 2 bombs bursting in the T/A. Looked like a bang on attack. A/C landed CHARTER HALL.	A.3067
24th December	LANCASTER X KD 721 S	J85104 FO HIGHES BA	Pilot	1136	1736	Target DUNSHEDDOW AIRFIELD with 6 x 1000 lb USA SAP TD-025; 3 x 1000 lb GP; 2 x 500 lb ME; 2 x 500 lb GP TD-025 1 x 250 lb GP. Bombed primary at 1452 hrs from 15,000 ft. Clear. Identified target visually, bend in river and airfield. Bombed red TI. KB not heard, whole area a mass of smoke, wonderful attack. 5 small flak holes. A/C landed CHARTER HALL.	A.3068

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCE
				Up	Down		
24th December	LANCASTER I KB 738 D	J17469 FO HOW FW	Pilot	1221	1734	Target DUSSELDORF AIRFIELD with 6 x 1000 lb USA BAP TD. 025, 2 x 1000 lb MG, 1 x 1000 lb GP, 2 x 500 MG, 2 x 500 lb GP TD.025, 4 x 250 lb GP. Bombed primary at 1452.5 hrs from 15500 ft. Clear with some haze. Identified target visually and red TI which were very close to the A/P. Very good concentration of A/G and of bombs bursting on the field among the buildings and on the runways. A number of flak holes all over the A/G. Very good attack. 1/2 1451 hrs to 2400 hrs 15500 ft 160 mph. One flak hole 8th elevator, port outer prop dent. Very good attack. A/G landed CHAMBER HALL.	A.3069
24th December	LANCASTER I KB 804 E	J10761 FL COLLARD HW	Pilot	1126	1724	Target DUSSELDORF AIRFIELD with 5 x 1000 lb USA BAP TD. 025, 1 x 1000 lb MG, 3 x 1000 lb USA GP, 2 x 500 lb MG, 2 x 500 lb GP, 4 x 250 lb GP. Bombed primary 1452.9 hrs from 16000 ft. Clear some haze. Identified target by red and yellow TIs. Bombed yellow TIs which were right on a runway. A lot of smoke over the airfield, but many bombs could be seen bursting on the field and runway. 1 x 250 lb GP TD.025 Jett. made 2201N 0324E at 1538 hrs from 16000 ft. Hole from heavy flak on the leading edge of 8th tail plane and inner 8th engine. 511N 0538E 1648 hrs 16000 ft. Looked like a good prang. A/G landed CHAMBER HALL.	A.3070
24th December	LANCASTER I KB 735 C	J90229 FO ADAM HW	Pilot	1132	1558	Target DUSSELDORF AIRFIELD with 5 x 1000 lb USA BAP TD. 025, 4 x 1000 lb GP, 2x1000 USA GP, 4 x 500 lb MG, 2 x 500 lb GP. Bombed primary at 1452.9 hrs from 16500 ft. Identified target visually also green and red TIs. Bombing well concentrated on main runway and buildings. Intense heavy flak predicted and accurate. No enemy fighters seen. One A/G seen going down in target area. 6 parachute seen. Weather fine and clear. A/G landed WOODBRIDGE.	A.3071
24th December	LANCASTER I KB 769 I	J27674 FO THORP GO	Pilot	1136	1607	Target DUSSELDORF AIRFIELD with 4 x 1000 USA BAP TD. 025, 2 x 1000 lb MG, 3 x 1000 lb USA GP, 4 x 500 MG, 4 x 250 lb GP. Bombed primary at 1450 hrs from 17000 ft. Clear with some ground haze. Identified target visually and red TI. Paratrooper below bomb sight was smashed and could not see. Bombed by judgment of the distance approximately in centre of the airfield. Target area well covered with bomb bursts. Good concentration of A/G. Small hole in paragon pane by pilot's cockpit. Air pressure time out. 1/2 1448 hrs 17,000 ft. Should prove to be a highly successful attack. A/G landed WOODBRIDGE.	A.3072

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(1970-021) WL 4000-124 700 810 T.A. 700
(1970-021) WL 4000-124 1200 1100 T.A. 700

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
24th December	LANCASTER X KB 762 J	J37102 PO VAYNE BR	Pilot	1153	1800	AIRFIELD Target DUSSELDORF with 5 x 1000 lb USA S&P TD. 025, 1 x 1000 lb MG, 1 x 1000 lb USA GP, 4 x 500 lb MG, 4 x 250 GP. Bombed primary at 1453 hrs from 16500 ft. Clear. Identified target visually and red FI. Overshot red FI by 2 sec as instructed. Long runway straddled by sticks of bombs, buildings covered with smoke. Good effort. No news from there now. A/C landed CHARTER HALL.	A.3073
24th December	LANCASTER X KB 777 K	J24764 PO FULK FR	Pilot	1124	1835	AIRFIELD Target DUSSELDORF AIRFIELD with 7 x 1000 lb USA S&P TD. 025, 1 x 1000 lb GP, 1 x 1000 lb USA GP, 4 x 500 lb GP, 4 x 250 lb GP. Bombed primary at 1452 hrs from 17,500 ft. Clear - smoke and haze. Identified target by band in river and red FI's. Bombed red FI's. 2/4 covered with smoke. Machine well clustered. MB not heard. 1 x 1000 GP jett. safe at 5510N 0312E 1546 hrs from 19,000 ft. A/C landed BROCKHEIM.	A.3074
24th December	LANCASTER X KB 787 H	J16953 PL BARLOW JP	Pilot	1121	1722	AIRFIELD Target DUSSELDORF with 8 x 1000 lb USA S&P TD. 025, 1 x 1000 lb USA GP, 2 x 500 lb MG, 2 x 500 GP, 4 x 250 GP. Bombed primary at 1456 hrs from 16,000 ft. Clear with some haze. IDENTIFIED TARGET VISUALLY and red and green FI's. Runways clearly seen. Green FI were on the right side of the target area and reds on the east side. Bombed between the two in the centre of the airfield. MB not heard. Good concentration of bombs seen on runways and amongst the buildings. 1 x 500 GP TD. 025 hung up. Jettisoned western edge of DUSSELDORF. 1456 hrs 16,000 ft. Two small flak holes, one in tail plane stbd. side, one just above E/A's panel. Target area 1451 hrs 16,000 ft. Looked like a very good attack. A/C landed CHARTER HALL.	A.3075
24th December	LANCASTER X KB 750 N	J12477 PL WARNER AGR	Pilot	1145	1735	AIRFIELD Target DUSSELDORF AIRFIELD with 9 x 1000 lb USA S&P TD. 025, 4 x 500 lb GP, 4 x 250 lb GP. Bombed primary at 1451.5 hrs at 17,000 ft. Slight ground haze, vis good. Identified target visually and FI red. Bombed red FI. FI's centred in A/W. Bombing concentrated just N. of E/W runway. Thought to be a good attack. A/C landed CHARTER HALL.	A.3076
24th December	LANCASTER X KB 748 O	J8412 PL MCKINNON WF	Pilot	1143	1731	AIRFIELD Target DUSSELDORF with 1 x 1,000 lb USA S&P TD. 025, 2 x 1,000 lb MG, 4 x 500 lb GP TD. 025, 4 x 500 lb GP. Bombed primary at 1450.9 hrs from 16,000 ft. Vis clear. Identified target visually, band in view, Dusseldorf to the right and red FI. Bombed building to stbd of red FI. MB heard clearly. Whole of 1/4 covered in a mass of bomb and smoke. Could not distinguish bomb craters or definite buildings but it was certainly a concentrated attack. A/C landed CHARTER HALL.	A.3077

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
24th December	LANCASTER I KB 786 P	J7007 FL WATTS JW	Pilot	1140	1740	Target DUESLEDORF AIRFIELD with 5 x 1000 lb USA SAP TD, 1 x 1000 lb MG, 3 x 1000 USA GP, 3 x 500 lb MG, 1 x 500 lb GP TD-025, 1 x 250 lb GP. Bombed primary at 1445 hrs from 15,500 ft. Clear with good visibility. Identified target by red TI. Bombed red TI. Target obscured by smoke and dust. TI well concentrated. Bombing well concentrated. Good attack. Small hole in runway. On A/C had transmitter (H/F) 10N over target area. Altitude height, heading, W/V. A/C landed CHARTER HALL.	A.3078
24th December	LANCASTER I KB 785 Q	J29220 FO MOVIGAR RA	Pilot	1128	1727	Target DUESLEDORF AIRFIELD with 1 x 1000 lb USA SAP TD, 8 x 1000 lb MG, 1 x 500 GP TD-025, 4 x 250 GP. Bombed primary at 1452 from 16,500 ft. Weather clear. Identified target visually the A/S and red and green TI. Bombed centre of runway farthest from fire. Ammunition dump went up just after a/c bombed. Sticks of bombs across H/V dispersal area and runway. Buildings covered in a cloud of smoke. One hole in tail plane. 5th fin and rudder hit by H/F in target area. Successful attack. A/C landed CHARTER HALL.	A.3079
24th December	LANCASTER I KB 778 R	J9757 FL ARMSTRONG WR	Pilot	1130	1646	Target DUESLEDORF AIRFIELD with 6 x 1000 lb USA SAP TD, 2 x 1000 lb MG, 1 x 1000 USA GP, 4 x 500 GP TD-025, 1 x 250 lb GP. Abortive N.O.R.T. Full load jettisoned safe at 524N 033E at 1430 hrs 9000 ft. 5th inner developed oil leak at 5207N 0043E. Feathered it and carried on to 5132N 0330E where decided to turn back as a/c would have been 25 minutes late on target. A/C landed CHARTER HALL.	A.3080
24th December	LANCASTER I KB 715 T	J29777 FO COWAN TH	Pilot	1206	--	This aircraft failed to return from the operation. Pilot J29777 R/O Cowan TH 4 trips 16 points 27-25 hours. W/O J26179 R/O Hale RW 1 " 12 " 2130 " W/O J180068 R/O Thompson GW, R/A J38257 FO Cartier JL, W/O J29080 R/O Hanson JV, W/O J114579 Sgt. Esher W. R/O J262557 Sgt. Little GB. All had 2 trips, 8 points and 14-00 hours. Bombed same as "R" above.	A.3081
24th December	LANCASTER I KB 752 V	J26673 FO OGDEN WF	Pilot	1200	1715	Target DUESLEDORF AIRFIELD with 4 x 1000 lb USA SAP TD, 2 x 1000 lb GP, 1 x 1000 lb USA GP, 2 x 500 lb GP TD-025, 1 x 250 lb GP. Bombed primary at 1451.7 hrs from 15000 ft. Clear with ground haze. Identified target visually and green TI's. Bombed centre of runway, green TI as a guide. A stick of bombs could be seen directly in the centre of main runway. A huge explosion probably on ammunition dump. Should be a complete write off. The attack was most successful. A/C landed CHARTER HALL.	A.3082

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(1270-521) Wt. 4800-124 1200 2 1/4 T.S. 700

FOR THE MONTH OF DECEMBER 1944

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
28th December	LANCASTER X KB 722 A	J85304 FO NICHOLS RA	Pilot	0308	0920	Target GFLADEN with 1 x 4000 lb HE NI TRINACOL, 2 x 500 lb- MC ED-025, 8 x 500 lb GP ED-025, 5 x 250 lb GP NI, 1 x 250 lb GP TI. Bombed primary at 0641.2 hrs from 19,000 feet with 10/10ths cloud 5000 ft. Good vis. Identified by red and green TI first seen cascading at 0626 hrs. Bombed glow on red and green TI seen on cloud - Geo. fine. Good con- centration of red and green TI together and bombing thought to be well concentrated.	A-3085
28th December	LANCASTER X KB 721 B	J35681 FO HEPALLACK CP	Pilot	0318	0835	Target GFLADEN with 1 x 4000 HE NI Trinacol, 2 x 500 lb ED-025, 8 x 500 GP ED-025, 5 x 250 lb GP NI, 3 x 250 lb GP TI. Abortive N.O.B.T. - Full load brought back. Rear turret was discovered w/s at about 0410 hours. Cause not known. Tried to effect repairs unsuccessfully. Reached 5035N 0025E where it was decided to return to base.	MC A-3084
28th December	LANCASTER X KB 738 D	J17469 FO HOW FW	Pilot	0257	--	This aircraft took off to attack GFLADEN at 0257 hrs since A-3085 when nothing has been heard of it. The crew was as follows: Pilot: J17469 P/O How FW; Nav: J29618 FO NICHOLS, RK; A/B J28522 FO Macgregor JAB; W/O: J22593 FO HADLEY, CDB; T/S 613970 Sgt. Atkinson J; UG: J28452 FO TAIT, GR; all with 18 trips 68 points and 109.45 hours. RG: J28433 FO Spring- stein HR, had 17 trips 64 points and 103.00 hours. Bombload same as "B" below.	
28th December	LANCASTER X KB 804 E	J29884 FO BLANEY LA	Pilot	0302	0916	Target GFLADEN with 1 x 4000 lb HE NI Trinacol, 2 x 500 lb MC ED-025, 8 x 500 lb GP ED-025, 5 x 250 lb GP NI. Bombed primary at 0638.2 hrs from 19,000 ft. 10/10ths cloud and low cloud tops 8000 ft. Identified by red and green TI and bombed on red TI. DFF good. Ground detail obscured by low cloud but flashes of bomb bursts were concentrated.	A-3086
28th December	LANCASTER X KB 761 H	J37355 FO BRUNS MI	Pilot	0253	0912	Target GFLADEN with 1 x 4000 HE NI Trinacol, 10 x 500 lb MC ED-025, 4 x 250 GP NI, 2 x 250 lb GP TI. Bombed primary at 0638.3 hrs from 20,000 ft. - 10/10ths clouds thin stratus identified target by glow in the clouds at 0638. Bombed near edge of reflection of TI's. No ground detail seen, only glow of red and green TI which were right on and well con- centrated. 1 x 500 lb MC hung up and ditched safe. Attack should be good if the TI's were on.	A-3087
28th December	LANCASTER X KB 762 J	J24764 FO TULK PH	Pilot	0324	0929	Target GFLADEN with 1 x 4000 lb HE NI Trinacol, 1 x 500 lb MC ED-025, 9 x 500 lb GP ED-025, 6 x 250 lb GP NI. Primary at 0638.7 hrs from 19,000 ft. 10/10ths cloud with tops 6-8000 ft. vis above good. Bombed on Geo. glow seen below cloud in P/A but could not assess due to cloud.	A-3088

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				UP	DOWN		
28th December	LANCASTER X KB 797 K	J10572 FL SWARTZ EW	Pilot	0310	0909	Target OPLADEN with 1 x 4000 lb HC NI Trinitol; 2 x 500 lb MC TD-025; 8 x 500 lb GP TD-025; 5 x 250 lb GP NI; 1 x 250 lb GP TI. Primary at 0636.2 hrs from 18,000 ft. 10/10ths tops 5000 ft. Ident. by red and green TI bursting well above cloud. Also glow of TI on cloud. Bombed on glow of red and green TI on cloud; centre of some TI well concentrated. Couldn't see T/A but there may have been some undershooting by the bomb flashes seen through the cloud. Couldn't assess.	A.3089
28th December	LANCASTER X KB 753 L	J90229 FC ADAM RW	Pilot	0301	0910	Target OPLADEN with 10 x 1000 lb MC TD-025; 2 x 1000 lb GP TD-025; 5 x 500 lb GP TD-025; Primary 0622 hrs from 19,000 ft. 10/10ths thin stratus. Ident. by red TI's and Gee fix. Undershot on near side of red glow of TI's. Reflection of bomb bursts in the T/A was all that could be seen. No assessment.	A.3090
28th December	LANCASTER X KB 748 O	J26673 FC OSBORN WW	Pilot	0306	0921	Target OPLADEN with 1 x 4000 lb HC NI Trinitol; 10 x 500 lb MC TD-025; 5 x 250 lb GP NI and 5 x 250 lb GP TI. Primary at 0638.4 hrs from 18,000 ft. 10/10ths tops too far down to estimate. Ident. by red and green TI's falling. Checked by Gee. Bombed on red TI's reflected by clouds. Too much cloud to assess results, but should be well concentrated and everyone seemed to be bombing the same spot.	A.3091
28th December	LANCASTER X KB 756 P	J7007 FL WATTS JW	Pilot	0327	0934	Target OPLADEN with bombload same as "O". Primary at 0639 hrs from 20,000 ft. 10/10ths low cloud tops 2000 ft. Ident. target by gee and glow of red and green TI's - bombed glow of TI's. Unventral trip - nothing seen owing to clouds. Some bombs could be seen later, their bursts reflected on the cloud.	A.3092
28th December	LANCASTER X KB 746 S	J25363 FC BRIDGES GL	Pilot	0322	0911	Target OPLADEN with 5 x 1000 lb MC TD-025; 3 x 1000 lb GP TD-025; 4 x 1000 lb SAP TD-025; 2 x 500 lb MC TD-025 and 1 x 500 lb GP TD-025. Primary at 0637.9 hrs from 18,000 ft. 10/10ths broken thin str. Ident. by Gee and red and green TI's and bombed on the latter. Markers well concentrated - no results seen owing to cloud. Three large explosions - one in the T/A was terrific. Should be a good attack.	A.3093
28th December	LANCASTER X KB 799 W	J26413 FC OOK EL	Pilot	0321	0932	Target OPLADEN with 9 x 1000 lb MC TD-025; 3 x 1000 lb GP TD-025; 3 x 500 lb GP TD-025. Primary at 0638.8 hrs from 19,000 ft. 10/10ths cloud tops 8-10,000 ft. Ident. by red and green TI's falling. Bombed on single red; just as it reached the cloud. Looked like a good attack. Large glow and bomb bursts seen reflected on clouds where markers were falling. 2 x 1000 lb MC and 2 x 500 lb GP hung up and jett. safe at 5200N 0307E 0755 hrs from 10,000 ft.	A.3094
28th December	LANCASTER X KB 732 X	016112 FL HASKETT AM	Pilot	0316	0954	Target OPLADEN with 5 x 1000 lb MC TD-025; 2 x 1000 lb GP TD-025; 7 x 1000 lb SAP TD-025 and 1 x 500 lb GP TD-025. Primary at 0639 hrs from 18,000 ft. 10/10ths cloud tops to 5000 ft. Ident. by red and green TI's, and bombed on glow of red. Very good concentration. Could not assess results due to cloud. 1 x 1000 lb MC hung up and jett. safe (manually) at 5300N 0030E at 0838 hrs from 9,000 ft.	A.3095

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112769-0511 Wt. 2200-1124 1204 1124 T.S. 700

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
28th December	LANCASTER X KB 700 X	J12477 FL WARNER	AGR Pilot	0304	0922	Target OPLADEN with 1 x 4000 lb HC HI TNT; 10 x 500 lb MC TD-025 and 6 x 250 lb GP HI. Primary at 0639.8 hrs from 18,000 ft. Ident. by red and green TIs and bombed glow of rain on cloud checked by Gee. IT PFF was on. Attack was definitely a success.	A.3096
28th December	LANCASTER X KB 787 M	J88129 FO MARTIN	EW Pilot	0337	0832	Target OPLADEN with 1 x 4000 lb HC HI TNT; 10 x 500 lb MC TD-025; 5 x 250 lb GP HI and 1 x 250 lb TI. Identified and bombed target by red TIs through 10/10th cloud at 1638 hrs from 20,000 ft. PFF well concentrated. Bomb flashes seen. Jettisoned 1 x 500 lb MC TD-025 (safe) at 5200N 0500E from 10,000 ft. Too much cloud to assess. A/B landed WOODBRIDGE.	A.3097
29th December	LANCASTER X KB 722 A	J23026 FL DANSON	FG Pilot	1447	2025	Target SCHOLVEN with 1 x 4000 lb HC HI Trinitol; 16 x 500 MC TD-025. Primary through 10/10th cloud tops 4/5000 ft. at 1903.3 hrs from 19,000 ft. Target ident. by TIs and flares. Bombed markers. Markers well concentrated. Several large explosions seen just before bombing. Met winds wrong. Good attack.	A.3098
29th December	LANCASTER X KB 721 B	J9173 FL GAVE HM	Pilot	1510	2128	Target SCHOLVEN with 1 x 4000 lb HC Trinitol; 6 x 500 lb MC TD-025 and 10 x 500 lb GP TD-025. Primary through 10/10th cloud, tops 3/5000 ft. at 1903.6 hrs from 17,000 ft. Target ident. by TIs and Gee. Bombed TI and flares. One big explosion seen in T/A. Good attack.	A.3099
29th December	LANCASTER X KB 804 E	J24764 FO TULK HM	Pilot	1453	2202	Target SCHOLVEN with 1 x 4000 lb HC Trinitol; 3 x 500 lb MC TD-025 and 13 x 500 lb GP TD-025. Primary through 10/10th cloud, tops 5000 ft. at 1900.8 hrs from 18,000 ft. Target ident. by red flares and Gee fix. Bombed centre of flares. Explosions seen in T/A and much smoke after we left. Good attack well concentrated.	A.3100
29th December	LANCASTER X KB 733 G	J10761 FL COLLARD HW	Pilot	1507	2141	Target SCHOLVEN with 3 x 4000 lb HC Amstel; 6 x 500 lb MC TD-025 and 10 x 500 lb GP TD-025. Primary through 10/10th low cloud, tops 2000 ft. at 1904.1 hrs from 19,000 ft. Target ident. by TIs. Bombed TI. PFF good. Explosions seen just before bombing. Excellent attack.	A.3101
29th December	LANCASTER X KB 761 H	J57355 FO BRUNN HM	Pilot	1441	2127	Target SCHOLVEN with 1 x 4000 lb HC HI Trinitol and 16 x 500 lb GP TD-025. Primary through 10/10th thin layer cloud, tops 5000 ft. at 1904.1 hrs from 20,000 ft. Target ident. by TIs. Bombed TI. Plenty of smoke from T/A. Good attack.	A.3102

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
29th December	LANCASTER X KB 762	J35681 FC RETALLACK GP	Pilot	1459	2144	Target SCHOLVEN with 1 x 4000 lb HC NI Trinitol; 4 x 500 lb MC TD.025 and 12 x 500 lb GP TD.025. Primary through 10/10ths thin cloud. Identified by red T.I. and Geo. Bombed centre of TI going into cloud at 1905 hrs. from 17,000 ft. Large volume of black oily smoke billowed up to 10,000 ft. Looked like a very good raid.	A.3103
29th December	LANCASTER X KB 755	J90229 FC ADAM HF	pilot	1458	--	Target SCHOLVEN with bombload same as "A". This aircraft failed to return from the operation and its loss is presumed to be due to enemy action. The names of the missing crew members are as follows: (Pilot) J90229 P/O Adam, R.F. with 18 sorties, 71 pts. and 109.05 op. hrs. (Nav) R160481 W/O Wakely, L.F. (W/O) R190571 W/O Dennis, F.S. (P/S) 1622341 Sgt. Pratt, R.E. (M/O) R232630 P/S Hunt, J.D. (R/S) R192619 W/O Rogers, H.G. with 16 sorties, 63 pts. and 96.20 hrs. (A/S) R186617 P/S Farwell, H.G. with 17 sorties, 67 pts. and 105.00 hrs.	A.3104
29th December	LANCASTER X KB 748	J26673 FC OSBOEN, WW	Pilot	1450	2140	Target SCHOLVEN with 1 x 4000 lb HC NI Trinitol; 8 x 500 lb MC TD.025 and 8 x 500 lb GP TD.025. Identified target by red and green T.I's. through 10/10th cloud at 1905.7 hrs from 20,000 ft. Small fires and explosions seen in T.A. Very good attack.	A.3105
29th December	LANCASTER X KB 786	J7007 FL WATTS JW	Pilot	1442	2153	Target SCHOLVEN with 1 x 4000 lb HC NI Trinitol; 2x500 lb MC TD.025 and 14 x 500 GP TD.025. Primary through 10/10 th cloud, tops 4000 ft. at 1906.7 hrs from 17,000 ft. Target ident. by T.I's. Very large explosion emitting black smoke seen. 1FF goods. Jettisoned 1 x 500 lb MC TD.025 (live) manually at 5142N 0630E at 15,000 ft.	A.3106
29th December	LANCASTER X KB 765	J29220 FC MOVIGAR RA	Pilot	1454	--	Target SCHOLVEN with bombload same as "B". This aircraft failed to return from the operation and its loss is presumed to be due to enemy action. The names of the missing crew members are as follows: (Pilot) J29220 P/O R.A. Movigar with 17 sorties, 67 pts. and 108.20 op. hrs. (Nav) R36947 P/O Sorrenti, N.A., R196127 P/S Conley, R.G. with 16 sorties 64 pts. and 103.25 op. hrs. (A/S) R291341 P/S Morgan, W.G.R. R189652 (R/S) P/S Maloney, J.J. (P/S) R145525 Sgt. Feldman, J. and R285677 P/S McLeod, W.R. (R/S) with 15 sorties, 60 pts. and 98.15 op. hrs.	A.3107
29th December	LANCASTER X KB 772	J9686 WC HAGERMAN DC	Pilot	1509	2230	Target SCHOLVEN with bombload same as "C". Primary on T.I's through 10/10ths cloud with good vis; at 1905.7 hrs from 18,000 ft. Jettisoned all bombs (safe) at 5212N 0315E from 8,000 ft.	A.3108

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*(1946-5211) WL 2222-124 Form 541, 74, 702
*(1946-5211) WL 4460-124 Form 541, 74, 702

FOR THE MONTH OF DECEMBER 1944

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES
				Up	Down		
29th December	LANCASTER X KB 746 S	J88129 PO MARTIN EW	Pilot	1501	2157	Target SCHOLVEN with bombload same as "B". Identified target by green TI's and fires through 10/10th cloud, at 1905 hrs from 20,000 ft. Several large explosions seen just before bombing and a cloud of black smoke rose to 2000 ft. Fuel starved oil pressure low made a/c late on target. Well concentrated attack.	A-3109
29th December	LANCASTER X KB 752 V	J26113 PO COOK EL	Pilot	1457	2135	Target SCHOLVEN with 1 x 4000 lb HE NI Anatoli; 11 x 500 lb HE ED-025; 5 x 500 lb GP ED-025. Identified target by glow of red T.I. on base of cloud and green Gee check. Bombed centre of Red T.I. going down at 1905 hrs from 17,000 ft. Flames and smoke billowing through cloud. Looked like a very good attack.	A-3110
29th December	LANCASTER X KB 799 W	J37102 PO VANCE NR	Pilot	1500	2134	Target SCHOLVEN with 1 x 4000 lb HE NI Trinitol; 12 x 500 lb HE ED-025 and 4 x 500 lb GP ED-025. Identified target by red and green TI's and fires in 10/10th cloud tops about 2000 ft. Bombed glow of markers and fires at 1905.5 hrs from 18,000 ft. Markers well concentrated with fires in and around them. Several large explosions seen and flames and black smoke seen mushrooming up to 12,000 ft. Well concentrated attack.	A-3111
29th December	LANCASTER X KB 732 X	J16112 FL HALKETT AM	Pilot	1452	2154	Target SCHOLVEN with bombload same as "A". Identified target by red and green T.I. through 10/10th low stratus cloud. Bombed red T.I. and fires at 1906.5 hrs from 19,000 ft. One very large explosion seen in area of red T.I. and two more seen within 200 yards. Best attack ever seen.	A-3112
29th December	LANCASTER X KB 700 Z	J12477 FL WARNER AGE	Pilot	1443	2132	Target SCHOLVEN with 1 x 4000 lb HE NI Trinitol; 13 x 500 lb HE ED-025 and 3 x 500 lb GP ED-025. Identified target by red and green TI through 10/10th low cloud. Bombed on sky marking flares at 1906.7 hrs from 20,000 ft. One large explosion seen with flames and black smoke (oil) coming up through the cloud. Good attack.	A-3113
30/31st December	LANCASTER X KB 722 A	J23026 FL DANSON FG	Pilot	1709	2350	Target COLOGNE with 1 x 4000 lb HE NI Trinitol; 1 x 1000 lb USA GP ED-025; 5 x 1000 lb USA SAP ED-025 and 6 x 500 lb ED-025 GP. Primary at 2102 hrs from 18000 ft. 10/10th cloud tops 7-8000 ft. Ident. by red and green TI and sky marking and bombed on sky marking. Very very scattered - too much cloud to assess but concentration of APC into target very good.	A-3114
30/31st December	LANCASTER X KB 721 B	J85304 PO NICHOLS BA	Pilot	1712	2359	Target COLOGNE with 1 x 4000 lb HE NI Trinitol; 6 x 1000 lb USA SAP ED-025 and 6 x 500 lb HE ED-025. Primary at 2101/8 hrs from 19,000 ft. 10/10th thin at 7,000 ft. Fls good. Red TI seen cascading at 1956 hrs and also ident. by Gee fix. Bombed centre of red and green TI's were well concentrated except one lot of reds which seemed to be 5 miles N of target. Fire glow on clouds - bombing well concentrated. Good attack, 1st marking good.	A-3115

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DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCES	
				Up	Down			
30/31st December	LANCASTER X KB 804 E	J35681 FO	RESTALLACK GP	Pilot	1705	234.1	Target COLOGNE with 1 x 4000 lb HC NI Trinitol; 6 x 1000 lb MC TD-025; 1 x 500 lb MC TD-025 and 5 x 500 lb GP TD-025. Primary at 2101.2 hrs from 20,000 ft. 10/10ths vis. good. Ident. by red TI's seen ascending at 2028 hrs. Flares red/green stars. Bombed flares red/green stars. Flares red and glow on cloud in 2/4 but can't assess. 1 x 1000 safe but exploded later on impact. at 5302N 0336E from 6000'.	A.3116
30/31st December	LANCASTER X KB 753 G	J10761 FL	COLLARD HW	Pilot	1659	234.9	Target COLOGNE with 1 x 4000 lb HC NI Trinitol; 5 x 1000 lb MC TD-025; 1 x 1000 lb USA SBF and 6 x 500 lb MC TD-025. Primary at 2101.3 hrs from 18,000 ft. 10/10ths tops 6-7000'. Ident by red TI's red flares with green stars at 2101.3 hrs. Bombed near side of red TI glow on cloud. Too much cloud to assess - large white glow on cloud lasted all time a/c were there and looked like a large fire.	A.3117
30/31st December	LANCASTER X KB 762 J	J24764 FO	TULK FH	Pilot	1707	002E	Target COLOGNE with bombload same as "A". Primary at 2103.1 hrs from 18,500 ft. 10/10ths tops 5-6000 ft. Ident. by red TI sky markers and gas fix. Bombed on red TI's. Yellow glow could be seen through the cloud. If the TI's were on attack was good and a/c were well concentrated.	A.3118
30/31st December	LANCASTER X KB 797 K	J10572 FL	SHARTS HW	Pilot	1726	2335	Target COLOGNE with 1 x 4000 lb HC NI Trinitol; 6x1000 lb MC TD-025; 6 x 1000 lb USA SBF and 6 x 500 lb MC TD-025. Primary at 2101.3 from 19,000 ft. 10/10ths tops 5000'. Ident. by red flares green stars at 2101.3 - bombed estimated centre of sky markers. Some bomb bursts seen but no estimate possible. 1 x 1000 MC hung up in bomb bay and jettisoned live 5302N 0028E from 8000 ft. An attack to the North with red TI's not briefed to us, very confusing.	A.3119
30/31st December	LANCASTER X KB 767 M	J16953 FL	BARLOW JP	Pilot	1718	0004	Target COLOGNE with 1 x 4000 lb HC NI Trinitol; 3 x 1000 lb USA SBF; 3 x 1000 lb USA GP; 1 x 500 lb MC TD-025 and 5 x 500 lb GP TD-025. Primary at 2101.3 hrs from 19,500 ft. 10/10ths tops 9-10,000 ft. Ident. by red TI and sky markers. Bombed on red TI's as they disappeared into the cloud. Healed for sky marking first - they disappeared and then did a half circuit and aimed at red TI. Wind was changed from zero to correct bombing wind. Large explosion showed as a white light on cloud. On first leg out of target a/c listed for about 5 minutes.	A.3120
30/31st December	LANCASTER X KB 748 O	J26673 FO	OSBORN HW	Pilot	1720	0009	Target COLOGNE with 1 x 4000 lb HC NI Trinitol; 6x 1000 lb MC TD-025; 4 x 500 lb MC TD-025 and 2 x 500 lb GP TD-025. Primary at 2102.3 hrs from 20,000 ft. 10/10ths at 8,000 ft. vis. good. Ident by TI red seen ascending at 2100 - flares red and green stars. Bombed flares red and green stars. Red glow on cloud. Bombing well concentrated thought to be a good attack. 1 x 1000 MC hung up - jett. safe 5202N 0305E from 9000'.	A.3121

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(1126-011) Wt. 2200-124 700 814 74 700
(1126-011) Wt. 4400-124 1200 114 74 700

DATE	AIRCRAFT TYPE & NUMBER	CREW	DUTY	TIME		DETAILS OF SORTIE OR FLIGHT	REFERENCE
				Up	Down		
30/31st December	LANCASTER X KB 786 F	J7007 FL WATTS JW	Pilot	1728	0002	Target COLOGNE with 1 x 4000 lb HC NI Minol; 6 x 1000lb MG TD-025; 6 x 500 lb MG TD-025. Primary at 2104.8 hrs from 18,500 ft. 10/10ths tops 8-9000 ft. Ident. and bombing by red flares with green stars. No results seen. On run up on red TI a/o realized it was a wrong attack so did a complete circle to port and headed back on to red sky marking.	A.3122
30/31st December	LANCASTER X KB 772 R	J37255 FO BRUDS BM	Pilot	1714	2355	Target COLOGNE with 1 x 4000 lb HC NI Minol; 6 x 1000 lb MG TD-025; 3 x 500 lb MG TD-025 and 3 x 500 lb GP TD-025. Primary at 2101.9 from 19500 ft. 10/10ths tops 5-6000 ft. Ident. and bombing by sky markers. Could not assess due to cloud. Navigator took a fix a few seconds after bombing and thinks it was an overshoot of our A/P by 2 to 3 miles S & E.	A.3123
30/31st December	LANCASTER X KB 786 S	J25383 FO SHESMAN GL	Pilot	1726	2338	Target COLOGNE with bombload same as "P". Primary at 2101.8 from 18,000 ft. 10/10ths tops 8-10,000 ft. Ident. by Gee homing and sky markers. Sky marking thought to be 3-4 miles SE of A/P. Red glow of fires on cloud. Numerous explosions but can't assess attack.	A.3124
30/31st December	LANCASTER X KB 752 V	J88129 FO MARTIN WF	Pilot	1725	2347	Target COLOGNE with 1 x 4000 lb HC NI Minol; 6 x 1000 lb MG TD-025; 6 x 500 lb MG TD-025. Primary at 2101.5 hrs from 18,500 ft. 10/10ths tops 6000 ft. Ident. by red TI also red flares with green stars. Bombed on green TI bursting in the cloud. Too much cloud to assess attack. Green TI were well to port of sky marking but according to Gee the green TI were well placed. If 100% good then attack was good - most of main stream to stbd. of a/o.	A.3125
30/31st December	LANCASTER X KB 799 W	J37102 FO VATER ER	Pilot	1724	2355	Target COLOGNE with bombload same as "B". Primary at 2101.5 hrs from 18,500 ft. 10/10ths tops 7-4000 ft. Ident. by red and green TI and sky marking of red flares with green stars. Bombed centre of these sky markers and red and green stars. Bomb bursts reflected in clouds but no estimate possible. 1 x 1000 lb MG hung up and fell. safe. 5502N 0032E from 12,000 ft.	A.3126
30/31st December	LANCASTER X KB 732 X	J16112 FL HALKETT AM	Pilot	1729	0013	Target COLOGNE with 1 x 4000lb. HC NI Minol; 6 x 1000 lb MG TD-025; 4 x 500 lb MG TD-025 and 2 x 500 lb GP TD-025. Primary at 2103 hrs from 19,500 ft. 10/10ths tops 6000 ft. Ident. by red flares with green stars and Gee. Sky markers were about 2 miles to stbd. of position they were supposed to be so a/o bombed on Gee. After bombing a/o saw TI's falling where a/o bombed. Numerous bomb flashes seen reflected on clouds and reflected for 50 miles after leaving target.	A.3127
30/31st December	LANCASTER X KB 700 Z	J12477 FL WARDER AHR	Pilot	1721	2354	Target COLOGNE with 1 x 4000 lb HC NI Minol; 2 x 1000 lb HMA GP TD-025; 4 x 1000 lb MG TD-025; 1 x 500 lb MG TD-025 and 5 x 500 lb GP TD-025. Primary at 2101.7 hrs from 19,500 ft. 10/10ths thin cloud & 1000 ft. vis good. Ident. by sky marking red flares with green stars. Bombed red flares and green stars. Red glow on cloud but can't assess attack.	A.3128

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