Site	From Date/Time	To Date/Time	Day	Hour	Day / Night	4.5" Gun Mk	Vickers Predictor	Ht finder	GL	No	Type	Height From	To	Formation of Flight	Direction of Flight	Behaviour on approaching defences: Formation Maintained	Behaviour on approaching defences: Formation broken up	Behaviour on approaching defences: Course & ht maintained	Behaviour on approaching defences: Height increased	Behaviour on approaching defences: Height decreased	Behaviour on approaching defences: Course changed	Behaviour on approaching defences: Out of the sun	Behaviour under fire: Formation Maintained	Behaviour under fire: Formation broken up	Behaviour under fire: Course & ht maintained	Behaviour under fire: Height increased	Behaviour under fire: Height decreased	Behaviour under fire: Course changed	Rds HE Fired	Fuze	To	Ammn	Nature of fire: Target Seen, ht control	Nature of fire: Target Seen, range control	Nature of fire: Target Illuminated	Nature of fire: Target Unseen	Time from seen to first	Time in action (mins)	Opening height	Opening range	Aircraft destroyed	Probably / possibly	Aircraft damaged	Remarks
S.15	01/09/40 11:00		1	11	Day	1/L	I	B&S 18' No 10		14	Heinkel 111	14,600	19,000	Arrowhead	NW	✓								✓			✓		✓	92	22	21		✓				1	10	14600					Formation broken up. Firing for 5 minutes approx. 14+ Heinkels 111 approached from the S.E., circled almost overhead and returned the same way. Formation widened, changed course and climbed under fire.
S.16	01/09/40 11:02		1	11	Day	I	II	B&S 18' No 10 Mk I		7	Dornier	19,000		V formation	NW	✓		✓						✓	✓				94	14	11	HE	✓				0.67	3.5	19000	10000	2	2		One plane brought down at 10 deg, another at 110 deg. All bursts were well on formation. Friendly fighters again flew low over position while guns were firing. "Cease loading" ordered four times due to :- (a) unidentified fighters. (b) change in height set. (c) target lost in smoke from own guns. (d) presence of friendly fighter low over site.
S.16	02/09/40 08:03		2	8	Day	II	II	B&S 18' No 10 Mk I		20	Heinkel & Me 110	6,000	12,000	Tight arrowhead	NW	✓					✓	✓		✓			✓		✓	106			HE	✓				0.5	2	6000	4000	3			The formation was flying on a circular course and increasing height. The fire split up the formation and 3 were shot down.
S.16	02/09/40 16:36		2	16	Day	II	II	B&S 18' No 10 Mk I	GL, S/L	50	Dorniers & ME's	16,000		Loose V	WNW		✓		✓		✓	✓		✓		✓		✓	59	9	9	HE	✓				3	2.5	11000	11000				Target engaged by laying with GL Bearing and intersection of lights for A/S.
S.15	02/09/40 16:37		2	16	Day	1/L	II	B&S 18' No 10		20	Dornier	15,000	16,000	Arrowhead	NNW	✓								✓			✓	✓		40	19	18	HE	✓				4	5	15000					Formation broken up. (20+ Dornier) The formation broke up: our bursts could not be identified as the numbers of units in action were many.
S.16	03/09/40 22:52	03/09/40 22:53	3	22	Night	II	II	B&S 18' No 10 Mk I	GL	NK	Unknown	15,000			E												✓	14			HE				✓	1	1	15000					All bursts were on the line of sight & appeared fairly accurate. Combined AA fire appeared to turn plane away.
S.16	03/09/40 23:05	03/09/40 23:10	3	23	Night	II	II	B&S 18' No 10 Mk I	GL	NK	Unknown	15,000			NW												✓	54			HE	✓			✓	0.67	5	15000					Rounds definitely on line of sight. Fire seemed to turn back plane.
S.15	04/09/40 13:16	04/09/40 13:22	4	13	Day	1/L	I	B&S 18' No 10	S/L	20	Junkers 88	15,000	16,000	Arrowhead	S	✓								✓			✓		✓	25	12	12	HE	✓				1	5						Plane was held in the searchlight beams. The effect of our rounds could not be observed clearly. The target dropped incendiary bombs at bearing 120 and disappeared towards the coast.
S.16	04/09/40 13:17	04/09/40 13:18	4	13	Day	II	II	B&S 18' No 10 Mk I		15	Heinkel	17,000		V formation	NW	✓		✓					✓					✓	11			HE	✓				0.75	1	17000	13000				Formation altered course shortly after entering fuze range & returned to the South East.
S.15	04/09/40 20:59		4	20	Night	1/L	I	G.L.	GL, S/L	1		12,000			ESE			✓									✓	41	14	14	HE	✓			✓	0.5	1.75	12000		1			Presumably. 2 parachutists seen to descend. The searchlights had a good cross section. The target dropped flares on bearing 54. The plane unidentified and dropping no colours etc. Came into the searchlight beam but soon disappeared under fire. Firing was by G.L. Two parachutists were seen to drop and drifted towards Rochester Way.
S.15	04/09/40 21:27		4	21	Night	1/L	I	G.L.	GL	1	Unknown	16,000			S			✓									✓	40	13	13	HE	✓			✓		2	16000					Firing by G.L. When plane went out of range G.L. stated that it was taking avoiding action.
S.15	04/09/40 21:46		4	21	Night	1/L	I	B&S 18' No 10	S/L	1	Dornier	8,400			SE			✓									✓		31	9	9	HE	✓		✓		1	2	8400		1			1 wing appeared to come off - sparks were seen and two parachutists dropped.. The target was illuminated by searchlights. One of our bursts made a direct hit. Sparks were seen in the sky and two parachutists were seen to drop. Part of the wing appeared to be smashed. The plane lost height and disappeared from view. This Site was the only one in action at the time.
S.15	04/09/40 21:57		4	21	Night	1/L	I	B&S 18' No 10	S/L	1	Dornier	11,600			NNW			✓									✓	✓	26	11	11	HE	✓		✓		2	7 (firing 2.5 minutes)	11600					The target was illuminated by the searchlights. The plane dived and took avoiding action under fire and ceased loading was given until the plane was on a steady course again. The target was seen to fire tracer on bearing zero.
S.16	04/09/40 22:00	04/09/40 22:05	4	22	Night	II	II	B&S 18' No 10 Mk I	S/L	1	Dornier	13,000			NW				✓		✓					✓	✓	✓	124				✓		✓		1	5.5	13000	10000				From observation of intersection of searchlight beams, the fire was fairly effective.
S.16	05/09/40 00:17		5	0	Night	II	II	B&S 18' No 10 Mk I	Unseen	1	Target unseen - GOR	15,000			NW			✓							✓			✓	4			HE	✓			✓		0.25	15000					
S.16	05/09/40 00:42		5	0	Night	II	II	B&S 18' No 10 Mk I	S/L	1	Heinkel	19,000			NW			✓							✓	✓	✓	✓	22			HE	✓		✓		1	1	19000	9000				Formation took avoiding action and climbed.. The planes were flying far apart and seemed to be taking avoiding action. Under our fire, they broke up and disappeared on bg. 240°. They climbed fastly [?] as they went.
S.16	06/09/40 01:21	06/09/40 01:21	6	1	Night	I	II	B&S 18' No 10 Mk I	Unseen	NK	Unknown	10,000			W			✓									✓	✓	3			HE	✓			✓	0.67	0.25	10000	3500				Rounds appeared on line of sight - aircraft altered course and returned east.
S.16	06/09/40 02:34		6	2	Night	I	II	B&S 18' No 10 Mk I	Unseen	1	Unknown, probably one	15,000			NW			✓									✓	✓	4			HE	✓			✓	1.5	0.5	15000	10000				
S.16	06/09/40 04:01		6	4	Night	I	II	B&S 18' No 10 Mk I		1	Unknown, probably one	10,000						✓									✓	✓	4			HE	✓			✓	0.67	0.55	10000	3400				
S.16	06/09/40 18:08		6	18	Day	II	II	B&S 18' No 10 Mk I		15	M.E. 109	15,000		Arrowhead		✓		✓						✓			✓	✓	20			HE	✓				2	1.5	15000	7500				(Reverse of sheet not captured)
S.15	07/09/40 16:55		7	16	Day	1/L	II	B&S 18' No 10		10	Junkers 88	20,000		Arrowhead: in threes	NW	✓							✓						29	14	14	HE	✓				1	1.5	20000					Planes were in arrowhead formation in groups of three: formation was widened under fire.
S.16	07/09/40 16:57		7	16	Day	II	II	B&S 18' No 10 Mk I		30	Junkers 88	22,000		Arrowhead	NW	✓		✓						✓				✓	33			HE	✓				0.5	2	22000	10000				The fire did not seem to put the planes off their set objective. They made up the river towards London.
S.15	07/09/40 17:31		7	17	Day	1/L	II	B&S 18' No 10		60	Dornier	16,600	18,000	Arrowhead: in threes	SE	✓								✓				✓	98	20	13	HE	✓				0.5	28.5	16600					During its engagement No 1 gun had a round stuck in the fuze setter and No 2 [?] gun had a misfire. Planes were in more open formation than previously and took avoiding action.
S.16	07/09/40 17:40	07/09/40 18:10	7	17	Day	I	II	B&S 18' No 10 Mk I	GL, S/L	300	Heinkels, Dorniers, ME109 & 110, Junkers, Condors	18,000	22,000	Generally wide V	All	✓		✓				✓ 3 raids	✓					✓	187	18	8	HE	✓				0.67		18000					During period 2146 hrs 7-9-40 to 0425 hrs 8-9-40 targets approached from all bearings. Two stated to have been hit. ??? GL equipment on site. All firing was done with GL bearings & no manual laying. We were instructed to engage every GL target possible. 27 salvoes of 4 rounds were fired, the plots & heights being relayed to GOR. At 2250 hrs the target engaged was reported by GL to have been hit and its engines cut out. This was on bearing 270 travelling west. At 2345 hrs GL reported that our salvo broke up the formation and at 0230 hrs a place receding at bearing 195 lost height rapidly after being engaged. It was noted that on almost every occasion the GL bearing & that indicated by the S/liahts differed, sometimes as much as 15°.
S.16	07/09/40 21:35		7	21	Night	I	II	B&S 18' No 10 Mk I	Unseen	NK	Unknown	15,000		Unknown	N													✓	4			HE	✓			✓	0.75	0.25	15000					
S.16	09/09/40 02:14	09/09/40 02:15	9	2	Night	I	II	B&S 18' No 10 Mk I	Unseen	NK	Unknown	18,000		Unknown	N													✓	4			HE				✓								
S.16	09/09/40 02:14	09/09/40 04:29	9	2	Night	II	II	B&S 18' No 10 Mk I	Unseen	NK	Unknown	10,000		Unknown		Unknown							Unknown					✓	40			HE	✓			✓		135.25	10000					
S.16	09/09/40 02:24	09/09/40 02:25	9	2	Night	I	II	B&S 18' No 10 Mk I	Unseen	NK	Unknown	12,000		Unknown														✓	4			HE				✓								
S.16	09/09/40 02:29	09/09/40 02:30	9	2	Night	I	II	B&S 18' No 10 Mk I	Unseen	NK	Unknown	12,000		Unknown														✓	4			HE				✓								
S.16	09/09/40 02:42	09/09/40 02:52	9	2	Night	I	II	B&S 18' No 10 Mk I	Unseen	NK	Unknown	10,000		Unknown														✓	4			HE				✓								
S.16	09/09/40 02:52	09/09/40 02:52	9	2	Night	I	II	B&S 18' No 10 Mk I	Unseen	NK	Unknown	10,000		Unknown														✓	4			HE				✓								
S.16	09/09/40 02:53	09/09/40 02:53	9	2	Night	I	II	B&S 18' No 10 Mk I	Unseen	NK	Unknown	10,000		Unknown														✓	4			HE				✓								
S.16	09/09/40 03:08	09/09/40 03:08	9	3	Night	I	II	B&S 18' No 10 Mk I	Unseen	NK	Unknown	10,000		Unknown														✓	4			HE				✓								
S.16	09/09/40 03:55	09/09/40 03:55	9	3	Night	I	II	B&S 18' No 10 Mk I	Unseen	NK	Unknown	10,000		Unknown														✓	4			HE				✓								
S.16	09/09/40 04:29	09/09/40 04:29	9	4	Night	I	II	B&S 18' No 10 Mk I	Unseen	NK	Unknown	10,000		Unknown														✓	4			HE				✓								

S.15	09/09/40 17:55	09/09/40 17:57	9	17	Day	1/L	✓	B&S 18' No 10	GL	1	Dornier 17	5,400			All			✓					✓	✓	28			HE	✓			0.5	1.5	5400					Rammer damaged. Tgts approached from all angles: firing by G.L. The G.L. states that the tgt in the first shoot seemed definitely shaken and that the tgt in the sixth shoot appeared to be hit. One rammer was damaged whilst in action but 'hand loading' was continued.
S.16	09/09/40 22:15	09/09/40 22:18	9	22	Night	I	II	B&S 18' No 10 Mk I	Unseen	1		19,000			N		✓				✓				19			HE					0.5						
S.15	09/09/40 22:24	10/09/40 03:39	9	22	Night	1/L	II	B&S 18' No 10 Mk I	GL, S/L	25		15,000	20,000	Unknown - invariably sounded single planes		Unknown			Unseen target unknown					Illuminated target	143			HE	✓	(1)	✓	0.75	0.25	15000					Several accurate bursts caused target to alter course violently in the G/L. Illuminated target was continually & accurately fired at. A A Porter Capt RA for 2/Lt S T Mulholland GPO
S.16	10/09/40 00:06	10/09/40 00:10	10	0	Night	II	II	B&S 18' No 10 Mk I		NK	Unknown	17,600		Unknown		Unknown			Unknown						7			HE											
S.16	10/09/40 00:06	10/09/40 00:09	10	0	Night	I	II	B&S 18' No 10 Mk I		1		17,600			N		✓				✓							HE					0.5						
S.16	10/09/40 02:18	10/09/40 02:18	10	2	Night	II	II	B&S 18' No 10 Mk I		NK	Unknown	15,000		Unknown		Unknown			Unknown						4			HE											
S.16	10/09/40 02:18	10/09/40 02:18	10	2	Night	I	II	B&S 18' No 10 Mk I		1		15,000			N		✓				✓							HE					0.5						
S.16	10/09/40 03:03	10/09/40 03:04	10	3	Night	I	II	B&S 18' No 10 Mk I	S/L	1	Dornier 17	14,000			W		✓							✓	18			HE	✓	✓		0.5	2	14000	5000				
S.16	10/09/40 03:28	10/09/40 03:30	10	3	Night	I	II	B&S 18' No 10 Mk I	S/L	1	Heinkel	20,000					✓							✓	38			HE	✓	✓		0.5	2	20000	1200				
S.16	11/09/40 16:09	11/09/40 16:10	11	16	Day	II	II	B&S 18' No 10 Mk I		4	5 Dornier & 2 ME110's	17,000		V formation	S	✓				✓	✓				29			HE	✓			1	1	17000	11000			1	One of the M.E. 110's fell out of formation with smoke streaming from it. Disappeared about Bg. 180° P J Barclay TSM
S.16	11/09/40 16:09	11/09/40 16:09	11	16	Day					2	1 Dornier & 1 ME 110	19,000													29			HE											Formation broken up, one plane hit
S.15	11/09/40 22:15	11/09/40 22:16	11	22	Night	1/L	II	B&S 18' No 10	GL	1	Dornier	20,000		Single	NW	✓			Tgt disappeared						19	18	18	HE	✓			1	1.5						G.L. State that the tgt disappeared and believed it to be hit: our first few rounds seemed dead on target. M J Osborne 2/Lt
S.15	12/09/40 12:42	12/09/40 12:43	12	12	Day	1/L	II	B&S 18' No 10		1	Junkers 88	9,600		Single	NE	✓								✓	40	11	11	HE	✓			1	1.5	9600					Tgt was intermittently visible and disappeared on Bg. 70°
S.15	13/09/40 13:22	13/09/40 13:22	13	13	Day	1/L	II	B&S 18' No 10		1	Junkers 88	15,000		Single	NW	✓								✓	13	13	13	HE	✓			0.5	0.5	15000					The target took avoiding action and under our fire turned back on bg. 200° and disappeared. The tgt dropped bombs on bg 200°
S.15	13/09/40 22:10	13/09/40 22:11	13	22	Night	1/L	II	B&S 18' No 10	S/L	1	Dornier	14,500		Single	NW	✓								✓	11	11	11	HE	✓			1	1	14500					The target took avoiding action and turned back: the searchlights lost the target.
S.15	15/09/40 14:32	15/09/40 14:33	15	14	Day	1/L	II	B&S 18' No 10		20	Junkers 88	29,000		Arrowhead	NW								✓		31	17	17	HE				3	1	29000				1	The target was picked up 'above angle' and heading north west. The formation was shaken up under our fire, and one hit was seen on the starboard engine of one of the planes. This plane decreased in height: the enemy shot down a balloon on bg. 300°. W J Osborne 2/Lt
S.15	16/09/40 00:42	16/09/40 00:43	16	0	Night	1/L	II	B&S 18' No 10		1	Junkers 88	15,600		Single	N	✓								✓	14	9	9	HE	✓			0.5	1	15600					The tgt was heading due north: under our fire the enemy turned east and was lost in the clouds. W J Osborne 2/Lt
S.16	21/09/40 23:44	21/09/40 23:47	21	23	Night	II	II	B&S 18' No 10 Mk I	S/L	1	Dornier	18,000			S			✓			✓				21			HE	✓	✓		1	3	18000	10000				This plane switched on navigation lights when the searchlight caught him. P W Barclay TSM
S.16	24/09/40 08:41	24/09/40 08:43	24	8	Day	II	II	B&S 18' No 10 Mk I		70	20+ Junkers 88 and 50 ME 109's	17,000		V formation	N	✓				✓		✓		✓	39			HE	✓			2	2	17000	10000				The Junkers were escorted by a strong force of fighters. A number of bombs were dropped in close vicinity of Gun Site. Some of these were very light bombs. Fire was stopped when friendly fighters engaged escorting fighters. The bomber formation veered east. P W Barclay TSM
S.16	10/09/40 03:03	10/09/40 03:04	10	3	Night	I	II	B&S 18' No 10 Mk I	S/L	1	Dornier 17	14,000					✓							✓	18			HE	✓	✓		0.5	2	14000	5000	Nil	Nil	Nil	
S.16	10/09/40 03:28	10/09/40 03:30	10	3	Night	I	II	B&S 18' No 10 Mk I	S/L	1	HE 115	20,000					✓							✓	38			HE	✓	✓		0.5	2	20000	1200	Nil	Nil	Nil	