

1st Battle Cruiser Squadron Gunnery Logs North Sea Operation April 14, 1917

Gunnery log for Lion

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
12:51	13,206	-1,126	2 HE		Frankfurt
12:52	12,031	-1,175	1 HE		Frankfurt
12:53	10,856	-1,175	13 HE		Frankfurt
12:55	16,303	-1,139	2 AP		Lutzow
12:56	15,175	-1,115	2 AP		Lutzow
12:58	14,368	-343	8 AP	1 hit	Lutzow
12:59	14,004	-361	9 AP rapid		Lutzow
13:00	13,629	-373	9 AP		Lutzow
13:01	13,235	-391	4 AP		Lutzow
13:02	13,502	287	1 AP		Lutzow
13:03	12,911	-492	9 AP		Lutzow
13:04	12,479	-366	9 AP		Lutzow
13:05	12,187	-218	8 AP		Lutzow
13:06	12,055	-51	9 AP	1 hit	Lutzow
13:08	12,911	120	4 AP		Lutzow
13:09	13,041	132	10 AP		Lutzow
13:10	13,184	144	9 AP	1 hit	Lutzow
13:11	13,339	156	9 AP rapid		Lutzow
13:12	13,124	-426	1 AP		Lutzow
13:13	12,985	-285	9 AP		Lutzow
13:14	12,647	-299	10 AP	1 hit	Lutzow
13:15	12,232	-310	9 AP	1 hit	Lutzow
13:16	10,628	-1,338	3 AP rapid		Lutzow
13:18	10,843	200	10 AP		Lutzow
13:19	11,055	192	9 AP		Lutzow
13:20	11,260	205	10 AP		Lutzow
13:21	11,477	218	9 AP		Lutzow
13:22	11,690	214	1 AP		Lutzow
13:23	11,919	192	4 AP		Lutzow
13:24	12,126	210	4 AP		Lutzow
13:25	12,363	239	4 AP		Lutzow
13:26	12,629	267	3 AP		Lutzow
13:27	12,440	-189	8 AP		Lutzow
13:28	12,242	-216	9 AP		Lutzow
13:29	12,064	-177	10 AP		Lutzow
13:30	11,897	-167	8 AP		Lutzow
13:31	11,741	-155	8 AP		Lutzow
13:32	11,690	-51	9 AP		Lutzow
13:33	11,699	-4	10 AP	1 hit	Lutzow
13:34	11,663	-36	9 AP		Lutzow
13:35	11,631	-32	9 AP	1 hit	Lutzow
13:36	11,604	-27	9 AP		Lutzow
13:37	11,479	-125	9 AP		Lutzow
13:38	11,063	-414	4 AP		Lutzow
13:39	10,654	-407	4 AP		Lutzow
13:40	10,087	-368	8 AP	2 hits	Lutzow
13:41	9,469	-360	4 AP		Lutzow
13:42	9,124	-365	4 AP		Lutzow
13:43	8,763	-357	5 AP		Lutzow
13:44	8,411	-348	4 AP		Lutzow
13:45	8,056	-349	4 AP		Lutzow
13:46	7,713	-337	5 AP		Lutzow
13:47	8,370	659	9 AP		Lutzow
13:48	9,030	615	9 AP		Lutzow
13:49	9,633	603	9 AP		Lutzow
13:50	10,227	595	9 AP		Lutzow
13:51	10,832	605	9 AP	1 hit	Lutzow
13:52	11,368	537	9 AP rapid	1 hit	Lutzow
13:53	11,911	544	9 AP rapid		Lutzow
13:54	12,431	521	7 AP		Lutzow

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13:55	12,949	519	7 AP		Lutzow
13:56	13,462	513	7 AP	1 hit	Lutzow
13:57	13,510	47	10 AP	rapid	Lutzow
13:58	13,283	-191	8 AP		Lutzow
13:59	13,135	-149	7 AP		Lutzow
14:00	13,065	-69	6 AP		Lutzow
14:01	12,368	-648	2 AP	1 hit	Lutzow
14:02	11,701	-591	5 AP	rapid	Lutzow
14:03	11,018	-630	3 AP		Lutzow
14:04	10,302	-661	4 AP		Lutzow
14:05	9,605	-667	4 AP		Lutzow
14:06	8,942	-658	4 AP		Lutzow
14:07	8,697	-241	2 AP		Lutzow
14:08	8,523	-404	1 AP		Lutzow
14:09	8,353	-337	2 AP		Lutzow
14:10	7,857	-273	2 AP		Lutzow
14:11	7,618	-257	3 AP		Lutzow
14:12	7,194	-26	6 AP		Lutzow
14:13	7,148	6	7 AP		Lutzow
14:14	7,137	-11	6 AP		Lutzow
14:15	7,108	-29	7 AP		Lutzow
		Total	517 shells	13 hits	

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Gunnery log for Princess Royal

Local Time	Range Yards	Range Rate	Shells Fired		Result	Target
12:51	13,559	-1,127	2 HE			Frankfurt
12:52	12,384	-1,175	1 HE			Frankfurt
12:53	11,209	-1,175	6 HE			Frankfurt
12:54	18,174	-1,167	1 AP			Derfflinger
12:55	17,010	-1,151	1 AP			Derfflinger
12:56	15,869	-1,130	1 AP			Derfflinger
12:57	15,049	-802	2 AP			Derfflinger
12:58	14,624	-407	1 AP			Derfflinger
12:59	14,259	-341	4 AP			Derfflinger
13:00	13,898	-359	4 AP			Derfflinger
13:01	13,542	-360	3 AP			Derfflinger
13:02	13,094	-389	3 AP			Derfflinger
13:03	13,208	-530	6 AP		1 hit	Lutzow
13:04	12,736	-410	9 AP	rapid		Lutzow
13:05	12,396	-268	5 AP			Lutzow
13:06	12,099	-176	5 AP			Derfflinger
13:07	11,793	-220	9 AP			Derfflinger
13:08	12,721	730	1 AP			Derfflinger
13:09	12,902	115	6 AP			Derfflinger
13:10	13,029	128	7 AP			Derfflinger
13:11	13,159	132	6 AP			Derfflinger
13:12	13,301	143	4 AP			Derfflinger
13:14	12,830	-296	1 AP			Derfflinger
13:16	11,789	-1,298	1 AP			Derfflinger
13:17	11,634	-1,010	1 AP			Derfflinger
13:18	11,165	-436	1 AP			Derfflinger
13:19	11,144	-9	7 AP			Derfflinger
13:20	11,247	106	7 AP			Derfflinger
13:21	11,384	138	7 AP		1 hit	Derfflinger
13:22	11,693	309	7 AP			Derfflinger
13:23	11,651	28	7 AP			Derfflinger
13:24	11,721	71	7 AP			Derfflinger
13:25	11,844	124	7 AP			Derfflinger
13:26	12,014	170	6 AP			Derfflinger
13:27	12,038	24	7 AP			Derfflinger
13:28	11,633	-140	1 AP			Lutzow
13:29	11,515	-118	1 AP			Lutzow
13:30	11,393	-122	3 AP			Lutzow
13:31	11,498	-120	4 AP		1 hit	Derfflinger
13:32	11,143	-354	7 AP			Derfflinger
13:33	11,450	146	7 AP			Derfflinger
13:34	11,688	-36	5 AP			Derfflinger
13:35	11,657	-32	5 AP			Derfflinger
13:36	11,630	-27	5 AP			Derfflinger
13:37	11,599	-31	6 AP			Derfflinger
13:38	11,346	-417	6 AP		2 hits	Derfflinger
13:39	10,929	-386	7 AP		3 hits	Derfflinger
13:40	10,351	-370	8 AP		1 hit	Derfflinger
13:41	9,744	-363	6 AP		1 hit	Derfflinger
13:42	9,432	-333	5 AP		2 hits	Derfflinger
13:43	9,056	-362	4 AP		2 hits	Derfflinger
13:44	8,698	-353	5 AP			Derfflinger
13:45	8,346	-356	4 AP		1 hit	Derfflinger
13:46	7,995	-345	4 AP			Derfflinger
13:47	7,629	-361	4 AP			Derfflinger
13:48	8,559	659	6 AP			Derfflinger
13:49	9,160	593	7 AP			Derfflinger
13:50	9,758	585	6 AP			Derfflinger
13:51	10,362	604	7 AP			Derfflinger
13:52	11,275	914	1 AP			Derfflinger

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13:53	11,702	430	6 AP		Derfflinger
13:54	12,158	431	6 AP		Derfflinger
13:55	12,620	454	6 AP	1 hit	Derfflinger
13:56	13,088	469	7 AP rapid	3 hits	Derfflinger
13:57	13,642	553	7 AP rapid		Derfflinger
13:58	13,303	-168	6 AP		Derfflinger
13:59	13,154	-107	6 AP		Derfflinger
14:00	13,125	-69	3 AP		Derfflinger
14:01	12,881	-650	3 AP		Derfflinger
14:02	12,222	-583	3 AP		Derfflinger
14:03	11,541	-634	4 AP		Derfflinger
14:04	10,831	-665	4 AP		Derfflinger
14:05	10,121	-672	4 AP		Derfflinger
14:06	9,453	-664	5 AP		Derfflinger
14:07	8,794	-653	5 AP		Derfflinger
14:08	8,840	-439	2 AP		Derfflinger
14:09	8,632	-369	2 AP		Derfflinger
14:10	8,080	-293	2 AP		Derfflinger
14:11	7,828	-276	3 AP		Derfflinger
14:12	7,531	-285	2 AP		Derfflinger
14:13	7,170	-46	11 AP rapid		Derfflinger
14:14	7,159	7	10 AP		Derfflinger
14:15	7,148	-11	11 AP	1 hit	Derfflinger
14:16	7,120	-28	10 AP		Derfflinger
14:17	7,872	753	11 AP rapid	2 hits	Derfflinger
14:18	7,981	484	7 AP rapid	2 hits	Derfflinger
14:19	8,221	511	7 AP rapid		Derfflinger
14:20	8,753	533	4 AP		Derfflinger
14:21	9,305	552	3 AP		Derfflinger
14:22	9,184	-121	2 AP		Derfflinger
14:23	8,331	-826	5 AP		Derfflinger
14:24	7,833	-169	5 AP		Derfflinger
14:25	7,654	-201	5 AP		Derfflinger
14:26	7,438	-215	5 AP		Derfflinger
14:27	7,222	-215	6 AP		Derfflinger
14:28	7,039	-182	5 HE rapid	1 hit	Derfflinger
14:29	6,883	-155	6 HE rapid	1 hit	Derfflinger
14:30	6,753	-130	6 HE rapid		Derfflinger
14:31	6,641	-112	7 HE		Derfflinger
14:32	6,496	-145	6 HE		Derfflinger
14:33	6,239	-204	1 HE		Derfflinger
14:34	6,167	26	3 HE		Derfflinger
14:35	6,211	72	3 HE		Derfflinger
		Total	502 shells	26 hits	

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Gunnery log for Queen Mary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
12:51	13,921	-1,127	1 HE		Frankfurt
12:54	18,965	-1,166	1 AP		Seydlitz
12:55	17,806	-1,152	1 AP		Seydlitz
12:56	16,661	-1,136	1 AP		Seydlitz
12:58	15,072	-557	5 AP		Seydlitz
12:59	14,515	-343	8 AP		Seydlitz
13:00	14,152	-361	5 AP		Seydlitz
13:01	13,780	-370	5 AP		Seydlitz
13:02	13,216	237	1 AP		Seydlitz
13:03	13,697	261	1 AP		Derfflinger
13:04	13,023	-498	5 AP		Derfflinger
13:05	12,595	-363	5 AP		Derfflinger
13:06	12,264	-259	5 AP		Seydlitz
13:07	12,012	-187	6 AP		Seydlitz
13:09	12,763	269	1 AP		Seydlitz
13:10	12,821	150	9 AP		Derfflinger
13:11	12,981	162	7 AP		Derfflinger
13:12	13,184	138	6 AP		Derfflinger
13:13	13,079	-400	8 AP		Derfflinger
13:14	12,732	-295	8 AP		Derfflinger
13:15	12,431	-308	8 AP		Derfflinger
13:16	11,414	-1,006	7 AP		Derfflinger
13:18	10,588	-46	11 AP		Derfflinger
13:19	10,676	200	9 AP	1 hit	Seydlitz
13:20	10,878	202	9 AP		Seydlitz
13:21	11,093	215	9 AP		Seydlitz
13:22	11,247	154	9 AP		Seydlitz
13:23	11,290	43	9 AP		Seydlitz
13:24	11,739	204	3 AP		Seydlitz
13:25	11,971	183	5 AP		Seydlitz
13:26	12,181	213	5 AP		Seydlitz
13:27	12,338	158	9 AP		Seydlitz
13:28	12,318	-76	12 AP		Seydlitz
13:29	12,318	-178	11 AP		Seydlitz
13:30	12,150	-168	12 AP		Seydlitz
13:31	11,992	-157	13 AP		Seydlitz
13:32	11,808	-184	12 AP	2 hits	Seydlitz
13:33	11,699	9	14 AP rapid	1 hit	Seydlitz
13:34	11,714	-41	14 AP rapid		Seydlitz
13:35	11,666	-48	10 AP	1 hit	Seydlitz
13:36	11,634	-32	14 AP rapid	1 hit	Seydlitz
13:37	11,625	-31	14 AP rapid		Seydlitz
13:38	11,631	-419	11 AP		Seydlitz
13:39	11,206	-388	14 AP		Seydlitz
13:40	10,616	-372	13 AP		Seydlitz
13:41	10,022	-366	14 AP	3 hits	Seydlitz
13:42	9,705	-337	7 AP	1 hit	Seydlitz
13:43	9,351	-366	7 AP	1 hit	Seydlitz
13:44	8,988	-359	7 AP	1 hit	Seydlitz
13:45	8,639	-362	7 AP	4 hits	Seydlitz
13:46	8,282	-352	7 AP	1 hit	Seydlitz
13:47	7,909	-368	7 AP	1 hit	Seydlitz
13:48	8,088	657	14 AP rapid	2 hits	Seydlitz
13:49	8,689	593	14 AP		Seydlitz
13:50	9,600	886	5 AP		Seydlitz
13:51	11,213	870	1 AP		Lutzow
13:52	11,599	387	11 AP		Lutzow
13:53	12,022	438	12 AP		Lutzow
13:54	12,455	433	11 AP		Lutzow
13:55	12,896	441	12 AP		Lutzow

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13:56	13,345	450	7 AP		Lutzow
13:57	13,276	-70	11 AP		Lutzow
13:58	13,121	-137	11 AP		Lutzow
13:59	13,008	-113	11 HE	1 hit	Lutzow
14:00	12,918	-90	14 HE rapid		Lutzow
14:01	12,577	-340	14 HE rapid		Lutzow
14:02	12,173	-405	12 HE	1 hit	Lutzow
14:03	11,883	-482	12 HE		Seydlitz
14:04	11,511	-388	13 HE	1 hit	Seydlitz
14:05	10,640	-677	7 HE rapid	1 hit	Seydlitz
14:06	9,770	-638	6 HE		Lutzow
14:07	9,542	-224	7 HE		Lutzow
14:08	9,522	-407	1 HE		Lutzow
14:09	9,352	-340	3 HE		Lutzow
14:10	9,162	-170	6 HE		Lutzow
14:11	8,052	-293	4 HE		Seydlitz
14:12	7,737	-205	3 HE		Seydlitz
14:13	7,698	-39	14 HE	1 hit	Seydlitz
14:14	7,182	6	14 HE	1 hit	Seydlitz
14:15	7,171	-11	14 HE	1 hit	Seydlitz
14:16	7,142	-28	14 HE	1 hit	Seydlitz
14:17	7,308	752	14 HE rapid		Seydlitz
14:18	7,535	482	14 HE		Seydlitz
14:19	7,772	510	14 HE		Seydlitz
14:20	8,303	532	14 HE rapid	1 hit	Seydlitz
14:21	8,854	552	14 HE	1 hit	Seydlitz
14:22	9,413	559	14 HE rapid		Seydlitz
14:23	9,121	-149	14 HE rapid	1 hit	Seydlitz
14:24	8,353	-826	14 HE		Seydlitz
14:25	7,815	-194	11 HE		Seydlitz
14:26	7,612	-232	10 HE		Seydlitz
14:27	7,375	-235	11 HE	3 hits	Seydlitz
14:28	7,160	-212	10 HE	1 hit	Seydlitz
14:29	6,973	-185	7 HE	2 hits	Seydlitz
14:30	6,819	-153	7 HE	2 hits	Seydlitz
14:31	6,683	-136	7 HE	2 hits	Seydlitz
14:32	6,609	-73	7 HE		Seydlitz
14:34	6,100	-18	7 HE	2 hits	Seydlitz
14:35	6,094	-3	7 HE		Seydlitz
14:46	8,463	576	5 HE		Lutzow
14:48	9,176	463	2 HE		Lutzow
		Total	883 shells	43 hits	