

Gunnery Logs May 27 1905 Tsushima 4 ship units

2nd Pacific Squadron, Kniaz Suworow

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:47	11,038	-718	2 HE		Kasagi
13:49	12,064	-779	2 HE		Mikasa
13:51	10,540	-737	2 HE		Mikasa
13:52	9,814	-709	2 HE		Mikasa
13:54	8,461	-636	2 HE		Mikasa
13:55	7,853	-579	3 AP		Mikasa
13:56	7,304	-516	1 AP	1 hit	Mikasa
13:57	7,064	-189	2 AP		Mikasa
13:58	6,919	-91	2 AP		Mikasa
13:59	6,882	21	2 AP		Mikasa
14:00	6,954	126	2 AP		Mikasa
14:01	7,130	230	2 AP		Mikasa
14:02	6,962	-112	2 AP		Mikasa
14:03	6,910	1	1 AP		Mikasa
14:04	6,964	105	3 AP		Mikasa
14:06	7,402	317	3 AP		Mikasa
14:07	7,105	-245	2 AP		Mikasa
14:08	6,923	-128	1 AP		Mikasa
14:09	6,836	-29	3 AP		Mikasa
14:10	6,866	96	3 AP		Mikasa
14:11	7,012	204	1 AP		Mikasa
14:12	7,015	44	2 AP		Mikasa
14:13	7,104	125	3 AP		Mikasa
14:15	7,513	290	1 HE		Mikasa
14:16	7,834	354	2 AP		Mikasa
14:18	8,574	412	1 HE		Mikasa
14:19	8,971	412	2 HE		Mikasa
14:21	9,876	482	2 HE		Mikasa
14:23	9,624	-95	1 HE		Mikasa
14:24	9,527	-97	2 HE		Mikasa
14:26	9,360	-99	2 HE		Mikasa
14:27	9,238	-121	2 HE		Mikasa
14:29	8,965	-152	2 HE		Mikasa
14:31	8,664	-148	1 HE		Mikasa
14:32	8,163	-501	4 HE		Mikasa
14:34	7,190	-489	3 HE		Mikasa
14:35	6,701	-489	2 AP		Mikasa
14:36	6,212	-489	2 AP		Mikasa
14:37	6,122	-89	3 AP		Mikasa
14:38	6,037	-84	2 AP		Mikasa
14:39	5,954	-82	3 AP		Mikasa
14:40	5,873	-81	1 AP		Mikasa
14:41	5,795	-75	3 AP		Mikasa
14:42	5,969	176	1 AP		Mikasa
14:43	6,136	186	2 AP		Mikasa
14:44	6,324	189	3 AP		Mikasa
14:45	6,516	195	1 AP		Mikasa
14:46	6,713	198	2 AP		Mikasa
14:47	6,431	-279	3 AP		Mikasa
14:48	6,176	-267	1 AP		Mikasa
14:49	5,912	-262	2 AP		Mikasa
14:50	5,644	-264	3 AP		Mikasa
14:51	5,382	-257	1 AP		Mikasa
14:52	5,127	-250	2 AP		Mikasa
14:53	4,881	-242	3 AP		Mikasa
14:54	4,644	-231	1 AP		Mikasa
14:55	4,418	-218	3 AP		Mikasa
14:56	4,206	-206	3 AP		Mikasa
14:57	4,411	210	1 AP		Mikasa
14:58	4,595	206	2 AP		Mikasa
14:59	4,821	231	3 AP	1 hit	Mikasa
15:00	5,055	237	1 AP		Mikasa
15:01	5,294	243	3 AP		Mikasa
15:02	5,175	-118	1 AP		Mikasa
15:03	5,074	-102	3 AP		Mikasa
15:04	4,957	-116	2 AP		Mikasa
15:05	4,843	-113	3 AP		Mikasa
15:07	4,699	-31	4 AP		Mikasa

15:09	4,683	0	3 AP		Mikasa
15:10	4,683	0	3 AP		Mikasa
15:11	4,684	1	1 AP		Mikasa
15:12	4,660	-24	3 AP		Mikasa
15:13	4,636	-24	3 AP	1 hit	Mikasa
15:14	4,612	-24	1 AP		Mikasa
15:15	4,588	-24	2 AP		Mikasa
15:16	4,564	-24	3 AP		Mikasa
15:17	4,636	72	1 AP		Mikasa
15:18	4,709	72	3 AP		Mikasa
15:19	4,782	73	1 AP		Mikasa
15:20	4,854	73	3 AP		Mikasa
15:21	4,927	73	2 AP		Mikasa
15:22	5,186	259	1 AP		Mikasa
15:23	5,447	263	1 AP		Mikasa
15:24	5,711	265	3 AP		Mikasa
15:25	5,975	266	1 AP		Mikasa
15:26	6,242	266	3 AP	1 hit	Mikasa
15:27	6,491	249	1 AP		Mikasa
15:28	6,740	250	1 AP		Mikasa
15:29	6,990	250	1 AP	1 hit	Mikasa
15:30	7,241	251	3 AP		Mikasa
15:31	7,493	251	3 AP		Mikasa
15:33	8,044	282	2 HE		Mikasa
15:34	8,326	284	1 HE		Mikasa
15:35	8,612	287	2 HE		Mikasa
15:36	8,900	290	2 HE		Mikasa
15:37	9,528	633	1 HE		Mikasa
15:39	10,542	547	1 HE		Mikasa
15:40	11,125	584	1 HE		Mikasa
15:41	11,712	588	1 HE		Mikasa
305mm/40 Primary Total			201 shells	5 hits	2.5%

2nd Pacific Squadron, Kniaz Suvorow, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:47	11,038	-718	4 SAP		Kasagi
13:48	12,853	-795	1 HE		Mikasa
13:49	12,064	-779	3 HE		Mikasa
13:50	11,292	-763	3 HE		Mikasa
13:51	10,540	-737	5 HE		Mikasa
13:52	9,814	-709	5 HE		Mikasa
13:53	9,118	-679	6 HE		Mikasa
13:54	8,461	-636	7 HE		Mikasa
13:55	7,853	-579	8 HE		Mikasa
13:56	7,304	-516	9 HE	1 hit	Mikasa
13:57	7,064	-189	9 HE		Mikasa
13:58	6,919	-91	12 HE	1 hit	Mikasa
13:59	6,882	21	12 HE		Mikasa
14:00	6,954	126	8 HE		Mikasa
14:01	7,130	230	7 HE	1 hit	Mikasa
14:02	6,962	-112	10 HE		Mikasa
14:03	6,910	1	12 HE		Mikasa
14:04	6,964	105	12 HE		Mikasa
14:05	7,131	228	11 HE		Mikasa
14:06	7,402	317	9 HE		Mikasa
14:07	7,105	-245	8 HE		Mikasa
14:08	6,923	-128	14 HE		Mikasa
14:09	6,836	-29	13 HE		Mikasa
14:10	6,866	96	14 HE	1 hit	Mikasa
14:11	7,012	204	13 HE	1 hit	Mikasa
14:12	7,015	44	9 HE		Mikasa
14:13	7,104	125	5 HE		Mikasa
14:14	7,266	210	7 HE		Mikasa
14:15	7,513	290	5 HE		Mikasa
14:16	7,834	354	6 HE		Mikasa
14:17	8,192	386	5 HE		Mikasa
14:18	8,574	412	5 HE		Mikasa
14:19	8,971	412	3 HE		Mikasa
14:20	9,407	453	2 HE		Mikasa
14:21	9,876	482	2 HE		Mikasa
14:22	9,718	-158	3 HE		Mikasa
14:23	9,624	-95	4 HE		Mikasa
14:24	9,527	-97	4 HE		Mikasa
14:25	9,459	-67	5 HE		Mikasa
14:26	9,360	-99	5 HE		Mikasa
14:27	9,238	-121	5 HE		Mikasa
14:28	9,117	-120	5 HE		Mikasa
14:29	8,965	-152	7 HE		Mikasa
14:30	8,814	-150	6 HE		Mikasa
14:31	8,664	-148	5 HE		Mikasa
14:32	8,163	-501	7 HE		Mikasa
14:33	7,680	-495	9 HE		Mikasa
14:34	7,190	-489	13 HE		Mikasa
14:35	6,701	-489	14 HE		Mikasa
14:36	6,212	-489	15 HE		Mikasa
14:37	6,122	-89	15 HE		Mikasa
14:38	6,037	-84	15 HE	1 hit	Mikasa
14:39	5,954	-82	16 HE		Mikasa
14:40	5,873	-81	16 HE		Mikasa
14:41	5,795	-75	16 HE		Mikasa
14:42	5,969	176	9 HE		Mikasa
14:43	6,136	186	10 HE		Mikasa
14:44	6,324	189	9 HE		Mikasa
14:45	6,516	195	14 HE		Mikasa
14:46	6,713	198	13 HE		Mikasa
14:47	6,431	-279	7 HE		Mikasa
14:48	6,176	-267	10 HE		Mikasa
14:49	5,912	-262	10 HE		Mikasa
14:50	5,644	-264	10 HE	1 hit	Mikasa
14:51	5,382	-257	11 HE		Mikasa
14:52	5,127	-250	12 HE		Mikasa
14:53	4,881	-242	12 HE		Mikasa
14:54	4,644	-231	11 HE		Mikasa
14:55	4,418	-218	11 HE	2 hits	Mikasa

14:56	4,206	-206	11	HE	1 hit	Mikasa
14:57	4,411	210	6	HE	1 hit	Mikasa
14:58	4,595	206	12	HE		Mikasa
14:59	4,821	231	10	HE		Mikasa
15:00	5,055	237	10	HE		Mikasa
15:01	5,294	243	13	HE	1 hit	Mikasa
15:02	5,175	-118	13	SAP	1 hit	Mikasa
15:03	5,074	-102	12	SAP		Mikasa
15:04	4,957	-116	13	SAP		Mikasa
15:05	4,843	-113	11	SAP		Mikasa
15:06	4,731	-111	14	SAP		Mikasa
15:07	4,699	-31	8	SAP		Mikasa
15:08	4,684	-14	11	SAP		Mikasa
15:09	4,683	0	7	SAP		Mikasa
15:10	4,683	0	10	SAP	2 hits	Mikasa
15:11	4,684	1	11	SAP		Mikasa
15:12	4,660	-24	9	SAP		Mikasa
15:13	4,636	-24	9	SAP		Mikasa
15:14	4,612	-24	9	SAP		Mikasa
15:15	4,588	-24	8	SAP		Mikasa
15:16	4,564	-24	10	SAP		Mikasa
15:17	4,636	72	8	SAP	1 hit	Mikasa
15:18	4,709	72	10	SAP		Mikasa
15:19	4,782	73	8	SAP		Mikasa
15:20	4,854	73	8	SAP		Mikasa
15:21	4,927	73	7	SAP		Mikasa
15:22	5,186	259	6	SAP		Mikasa
15:23	5,447	263	7	SAP		Mikasa
15:24	5,711	265	7	SAP		Mikasa
15:25	5,975	266	6	SAP	1 hit	Mikasa
15:26	6,242	266	6	SAP		Mikasa
15:27	6,491	249	5	SAP		Mikasa
15:28	6,740	250	5	SAP		Mikasa
15:29	6,990	250	4	SAP		Mikasa
15:30	7,241	251	4	SAP		Mikasa
15:31	7,493	251	4	SAP		Mikasa
15:32	7,766	273	3	SAP	1 hit	Mikasa
15:33	8,044	282	2	SAP		Mikasa
15:34	8,326	284	3	SAP		Mikasa
15:35	8,612	287	2	SAP		Mikasa
15:36	8,900	290	2	SAP		Mikasa
15:37	9,528	633	2	SAP		Mikasa
15:38	9,999	472	2	SAP		Mikasa
15:39	10,542	547	2	SAP		Mikasa
15:40	11,125	584	2	SAP		Mikasa
15:41	11,712	588	2	SAP		Mikasa
15:42	12,279	572	1	SAP		Mikasa
152mm/45 Secondary Total						933 shells 18 hits 1.9%

2nd Pacific Squadron, Imp Alexander III

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:47	11,482	-729	1 HE		Kasagi
13:49	12,500	-787	1 HE		Mikasa
13:50	11,719	-771	1 HE		Mikasa
13:51	11,377	-763	2 HE		Shikisima
13:53	9,893	-719	2 HE		Shikisima
13:55	8,532	-636	3 HE		Shikisima
13:56	7,917	-590	2 HE		Shikisima
13:57	7,362	-516	1 HE		Shikisima
13:58	7,075	-204	3 AP		Shikisima
13:59	6,919	-105	2 AP		Shikisima
14:00	6,871	6	2 AP		Shikisima
14:01	6,930	111	2 AP		Shikisima
14:02	7,096	215	2 AP		Shikisima
14:03	6,989	-128	2 AP		Shikisima
14:04	6,916	-14	2 AP		Shikisima
14:05	6,958	105	2 AP		Shikisima
14:06	7,112	213	2 AP		Shikisima
14:07	7,372	302	2 AP		Shikisima
14:08	7,155	-260	2 AP		Shikisima
14:09	6,943	-142	1 AP		Shikisima
14:10	6,843	-45	3 AP		Shikisima
14:11	6,859	81	1 AP		Shikisima
14:12	6,992	189	2 AP		Shikisima
14:13	6,992	30	3 AP		Shikisima
14:15	7,217	196	2 AP		Shikisima
14:17	7,748	325	1 HE		Shikisima
14:18	8,072	356	2 HE		Shikisima
14:20	8,812	412	1 HE		Shikisima
14:21	9,245	453	2 HE		Shikisima
14:23	9,667	-129	2 HE		Shikisima
14:25	9,500	-69	3 HE		Shikisima
14:27	9,302	-99	1 HE		Shikisima
14:28	9,183	-121	2 HE		Shikisima
14:30	8,877	-152	2 HE		Shikisima
14:32	8,553	-87	1 HE		Shikisima
14:33	8,174	-496	3 HE		Shikisima
14:34	7,684	-490	2 AP		Shikisima
14:35	7,195	-490	2 AP		Shikisima
14:36	6,705	-490	4 AP		Shikisima
14:38	6,150	-91	3 HE		Shikisima
14:39	6,066	-97	3 AP	1 hit	Shikisima
14:41	5,906	-77	2 AP		Shikisima
14:42	5,841	-63	3 AP	2 hits	Shikisima
14:44	6,075	189	2 AP		Shikisima
14:45	6,266	195	1 AP		Shikisima
14:46	6,463	198	1 AP		Shikisima
14:47	6,665	204	2 AP		Shikisima
14:48	6,518	-276	2 AP		Shikisima
14:49	6,253	-251	1 AP		Shikisima
14:50	5,984	-259	2 AP		Shikisima
14:51	5,720	-260	2 AP		Shikisima
14:53	5,214	-246	3 AP		Shikisima
14:54	4,974	-197	1 AP		Shikisima
14:55	4,744	-187	1 AP		Shikisima
305mm/40 Primary Total			105 shells	3 hits	2.9%

2nd Pacific Squadron, Imp Alexander III, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:47	11,482	-729	1 SAP		Kasagi
13:49	12,500	-787	3 HE		Mikasa
13:50	11,719	-771	2 HE		Mikasa
13:51	11,377	-763	4 HE		Shikisima
13:52	10,623	-746	4 HE		Shikisima
13:53	9,893	-719	4 HE		Shikisima
13:54	9,194	-679	5 HE		Shikisima
13:55	8,532	-636	5 HE		Shikisima
13:56	7,917	-590	5 HE		Shikisima
13:57	7,362	-516	8 HE		Shikisima
13:58	7,075	-204	10 HE		Shikisima
13:59	6,919	-105	12 HE		Shikisima
14:00	6,871	6	11 HE		Shikisima
14:01	6,930	111	7 HE		Shikisima
14:02	7,096	215	9 HE		Shikisima
14:03	6,989	-128	10 HE		Shikisima
14:04	6,916	-14	10 HE		Shikisima
14:05	6,958	105	12 HE		Shikisima
14:06	7,112	213	11 HE		Shikisima
14:07	7,372	302	10 HE		Shikisima
14:08	7,155	-260	6 HE		Shikisima
14:09	6,943	-142	11 HE		Shikisima
14:10	6,843	-45	13 HE		Shikisima
14:11	6,859	81	12 HE	2 hits	Shikisima
14:12	6,992	189	12 HE		Shikisima
14:13	6,992	30	7 HE		Shikisima
14:14	7,060	125	7 HE		Shikisima
14:15	7,217	196	7 HE		Shikisima
14:16	7,459	276	5 HE	1 hit	Shikisima
14:17	7,748	325	6 HE		Shikisima
14:18	8,072	356	6 HE		Shikisima
14:19	8,419	370	5 HE		Shikisima
14:20	8,812	412	2 HE		Shikisima
14:21	9,245	453	3 HE		Shikisima
14:22	9,745	514	2 HE		Shikisima
14:23	9,667	-129	3 HE		Shikisima
14:24	9,569	-66	5 HE		Shikisima
14:25	9,500	-69	5 HE		Shikisima
14:26	9,401	-67	4 HE		Shikisima
14:27	9,302	-99	5 HE		Shikisima
14:28	9,183	-121	5 HE		Shikisima
14:29	9,029	-121	6 HE		Shikisima
14:30	8,877	-152	6 HE		Shikisima
14:31	8,726	-150	6 HE		Shikisima
14:32	8,553	-87	5 HE		Shikisima
14:33	8,174	-496	5 HE		Shikisima
14:34	7,684	-490	9 HE		Shikisima
14:35	7,195	-490	12 HE		Shikisima
14:36	6,705	-490	14 HE		Shikisima
14:37	6,234	-89	12 HE		Shikisima
14:38	6,150	-91	15 HE		Shikisima
14:39	6,066	-97	13 HE	1 hit	Shikisima
14:40	5,985	-81	13 HE	1 hit	Shikisima
14:41	5,906	-77	13 HE		Shikisima
14:42	5,841	-63	12 HE	2 hits	Shikisima
14:43	5,888	183	5 HE		Shikisima
14:44	6,075	189	7 HE		Shikisima
14:45	6,266	195	10 HE	1 hit	Shikisima
14:46	6,463	198	9 HE		Shikisima
14:47	6,665	204	8 HE		Shikisima
14:48	6,518	-276	5 HE		Shikisima
14:49	6,253	-251	5 HE		Shikisima
14:50	5,984	-259	6 HE	1 hit	Shikisima
14:51	5,720	-260	7 HE		Shikisima
14:52	5,464	-253	8 HE		Shikisima
14:53	5,214	-246	6 HE		Shikisima
14:54	4,974	-197	6 HE		Shikisima
14:55	4,744	-187	6 HE		Shikisima
152mm/45 Secondary Total 503 shells				9 hits	1.8%

2nd Pacific Squadron, Borodino

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:47	11,930	-739	1 HE		Kasagi
13:50	12,588	-795	1 HE		Shikisima
13:52	11,462	-763	2 HE		Fuji
13:54	9,973	-719	2 HE		Fuji
13:55	9,270	-689	2 HE		Fuji
13:57	7,983	-590	4 HE		Fuji
13:59	7,088	-218	3 HE		Fuji
14:00	6,921	-120	2 AP		Fuji
14:01	6,860	-9	1 AP		Fuji
14:02	6,908	96	4 AP		Fuji
14:03	7,062	200	1 AP		Fuji
14:04	7,009	-143	2 AP		Fuji
14:05	6,923	-29	2 AP		Fuji
14:06	6,952	90	3 AP	1 hit	Fuji
14:07	7,094	197	1 AP		Fuji
14:08	7,342	302	1 AP		Fuji
14:09	7,188	-275	3 AP		Fuji
14:10	6,964	-156	1 AP		Fuji
14:11	6,851	-60	2 AP		Fuji
14:12	6,854	65	3 AP		Fuji
14:13	6,975	174	1 AP		Fuji
14:14	6,954	30	2 AP		Fuji
14:15	7,016	125	3 AP		Fuji
14:16	7,168	196	1 AP		Fuji
14:17	7,379	250	1 AP		Fuji
14:18	7,635	285	1 AP		Fuji
14:19	7,923	314	1 AP		Fuji
14:20	8,265	370	1 HE		Fuji
14:21	8,654	412	1 HE		Fuji
14:22	9,116	485	1 HE		Fuji
14:23	9,647	547	1 HE		Fuji
14:24	9,612	-101	1 HE		Fuji
14:25	9,543	-66	1 HE		Fuji
14:26	9,443	-69	1 HE		Fuji
14:27	9,343	-67	2 HE		Fuji
14:29	9,096	-123	1 HE		Fuji
14:30	8,942	-121	2 HE		Fuji
14:32	8,609	-180	1 HE		Fuji
14:33	8,413	-113	2 HE		Fuji
14:34	8,182	-489	2 HE		Fuji
14:35	7,693	-482	3 AP		Fuji
14:36	7,203	-489	1 AP		Fuji
14:37	6,707	-497	2 AP		Fuji
14:38	6,263	-92	3 AP		Fuji
14:39	6,179	-97	1 AP		Fuji
14:40	6,097	-97	3 AP		Fuji
14:41	6,018	-96	3 AP		Fuji
14:42	5,934	-84	1 AP		Fuji
14:43	5,861	-70	2 AP		Fuji
14:44	5,826	189	4 AP		Fuji
14:46	6,213	198	3 HE		Fuji
14:47	6,415	204	1 AP		Fuji
14:48	6,620	207	3 AP		Fuji
14:49	6,581	-57	2 AP		Fuji
14:50	6,324	-259	2 AP		Fuji
14:51	6,059	-254	2 AP		Fuji
14:52	5,801	-257	2 AP		Fuji
14:53	5,549	-246	3 AP		Fuji
14:55	5,071	-231	3 AP		Fuji
14:56	4,864	-192	2 AP		Shikisima
14:57	4,679	-178	1 AP		Shikisima
14:58	4,510	-159	2 AP		Shikisima
15:00	4,616	259	3 HE		Shikisima
15:01	4,887	252	2 AP		Shikisima
15:02	5,140	253	1 AP		Shikisima
15:03	5,086	-94	3 AP		Shikisima
15:04	5,038	-90	4 AP		Shikisima
15:06	4,813	-26	2 HE		Shikisima
15:07	4,665	-128	2 AP		Shikisima

15:08	4,890	288	2 AP		Shikisima
15:09	5,193	305	2 AP		Shikisima
15:10	5,273	80	3 AP		Shikisima
15:12	5,292	67	4 AP	1 hit	Shikisima
15:14	5,462	85	3 AP		Shikisima
15:15	5,546	85	2 AP		Shikisima
15:16	5,631	85	2 AP		Shikisima
15:17	5,710	80	3 AP		Shikisima
15:18	5,790	80	3 AP		Shikisima
305mm/40	Primary Total	158 shells	2 hits	1.3%	

2nd Pacific Squadron, Borodino, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:47	11,930	-739	1 SAP		Kasagi
13:50	12,588	-795	2 HE		Shikisima
13:51	12,238	-787	1 HE		Fuji
13:52	11,462	-763	3 HE		Fuji
13:53	10,705	-746	4 HE		Fuji
13:54	9,973	-719	3 HE		Fuji
13:55	9,270	-689	5 HE		Fuji
13:56	8,603	-647	5 HE		Fuji
13:57	7,983	-590	6 HE	1 hit	Fuji
13:58	7,420	-529	8 HE		Fuji
13:59	7,088	-218	9 HE		Fuji
14:00	6,921	-120	12 HE	1 hit	Fuji
14:01	6,860	-9	11 HE		Fuji
14:02	6,908	96	7 HE		Fuji
14:03	7,062	200	9 HE		Fuji
14:04	7,009	-143	10 HE		Fuji
14:05	6,923	-29	12 HE		Fuji
14:06	6,952	90	11 HE		Fuji
14:07	7,094	197	11 HE		Fuji
14:08	7,342	302	9 HE		Fuji
14:09	7,188	-275	4 HE		Fuji
14:10	6,964	-156	12 HE		Fuji
14:11	6,851	-60	12 HE		Fuji
14:12	6,854	65	12 HE		Fuji
14:13	6,975	174	12 HE	1 hit	Fuji
14:14	6,954	30	8 HE	1 hit	Fuji
14:15	7,016	125	7 HE		Fuji
14:16	7,168	196	7 HE		Fuji
14:17	7,379	250	5 HE		Fuji
14:18	7,635	285	7 HE		Fuji
14:19	7,923	314	6 HE		Fuji
14:20	8,265	370	5 HE		Fuji
14:21	8,654	412	3 HE		Fuji
14:22	9,116	485	2 HE		Fuji
14:23	9,647	547	2 HE		Fuji
14:24	9,612	-101	3 HE		Fuji
14:25	9,543	-66	4 HE		Fuji
14:26	9,443	-69	4 HE		Fuji
14:27	9,343	-67	4 HE		Fuji
14:28	9,243	-99	5 HE		Fuji
14:29	9,096	-123	5 HE		Fuji
14:30	8,942	-121	6 HE		Fuji
14:31	8,789	-152	5 HE		Fuji
14:32	8,609	-180	6 HE		Fuji
14:33	8,413	-113	6 HE		Fuji
14:34	8,182	-489	4 HE		Fuji
14:35	7,693	-482	11 HE		Fuji
14:36	7,203	-489	11 HE		Fuji
14:37	6,707	-497	13 HE		Fuji
14:38	6,263	-92	15 HE		Fuji
14:39	6,179	-97	14 HE		Fuji
14:40	6,097	-97	16 HE		Fuji
14:41	6,018	-96	15 HE		Fuji
14:42	5,934	-84	15 HE		Fuji
14:43	5,861	-70	15 HE		Fuji
14:44	5,826	189	8 HE		Fuji
14:45	6,017	195	15 HE		Fuji
14:46	6,213	198	14 HE		Fuji
14:47	6,415	204	15 HE		Fuji
14:48	6,620	207	12 HE		Fuji
14:49	6,581	-57	13 HE		Fuji
14:50	6,324	-259	6 HE		Fuji
14:51	6,059	-254	9 HE		Fuji
14:52	5,801	-257	11 HE		Fuji
14:53	5,549	-246	12 HE		Fuji
14:54	5,305	-239	12 HE	1 hit	Fuji
14:55	5,071	-231	14 HE		Fuji
14:56	4,864	-192	14 HE		Shikisima
14:57	4,679	-178	14 HE	1 hit	Shikisima

14:58	4,510	-159	14	HE		Shikisima
14:59	4,359	-144	14	HE		Shikisima
15:00	4,616	259	9	HE		Shikisima
15:01	4,887	252	17	HE	3 hits	Shikisima
15:02	5,140	253	18	HE		Shikisima
15:03	5,086	-94	18	SAP	1 hit	Shikisima
15:04	5,038	-90	18	SAP	1 hit	Shikisima
15:05	4,924	-113	18	SAP		Shikisima
15:06	4,813	-26	21	SAP	1 hit	Shikisima
15:07	4,665	-128	20	SAP		Shikisima
15:08	4,890	288	13	SAP		Shikisima
15:09	5,193	305	12	SAP		Shikisima
15:10	5,273	80	10	SAP		Shikisima
15:11	5,225	-48	11	SAP		Shikisima
15:12	5,292	67	9	SAP		Shikisima
15:13	5,377	85	9	SAP		Shikisima
15:14	5,462	85	9	SAP		Shikisima
15:15	5,546	85	8	SAP		Shikisima
15:16	5,631	85	7	SAP		Shikisima
15:17	5,710	80	8	SAP		Shikisima
15:18	5,790	80	7	SAP	1 hit	Shikisima
15:19	5,870	81	6	SAP		Shikisima
152mm/45 Secondary Total				865 shells	13 hits	1.5%

2nd Pacific Squadron, Orel

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:50	12,588	-795	2 HE		Mikasa
13:52	12,325	-787	1 HE		Asahi
13:53	11,547	-771	1 HE		Asahi
13:54	10,788	-746	1 HE		Asahi
13:55	10,053	-719	1 HE		Asahi
13:56	9,346	-689	2 HE		Asahi
13:58	8,049	-602	4 HE		Asahi
14:00	7,103	-233	3 HE		Asahi
14:01	6,925	-134	1 AP		Asahi
14:02	6,852	-24	3 AP		Asahi
14:03	6,887	96	3 AP		Asahi
14:04	7,030	200	1 AP		Asahi
14:05	7,030	-158	2 AP		Asahi
14:06	6,932	-29	2 AP		Asahi
14:07	6,948	74	2 AP		Asahi
14:08	7,078	182	2 AP	1 hit	Asahi
14:09	7,314	287	2 AP		Asahi
14:10	7,222	-290	2 AP		Asahi
14:11	6,986	-171	2 AP		Asahi
14:12	6,860	-60	2 AP		Asahi
14:13	6,851	49	2 AP		Asahi
14:14	6,958	158	2 AP		Asahi
14:15	6,917	30	2 AP		Asahi
14:16	6,973	111	2 AP		Asahi
14:18	7,273	211	2 AP		Asahi
14:20	7,775	314	1 HE		Asahi
14:21	8,111	359	2 HE		Asahi
14:23	9,019	507	1 HE		Asahi
14:24	9,582	580	2 HE		Asahi
14:26	9,485	-66	2 HE		Asahi
14:27	9,385	-69	2 HE		Asahi
14:29	9,153	-99	1 HE		Asahi
14:30	9,009	-123	2 HE		Asahi
14:32	8,674	-181	1 HE		Asahi
14:33	8,465	-208	2 HE		Asahi
14:35	8,109	-138	2 HE		Asahi
14:36	7,706	-489	1 HE		Asahi
14:37	7,209	-481	3 HE		Asahi
14:38	6,712	-497	2 AP		Asahi
14:39	6,291	-90	3 AP		Asahi
14:40	6,209	-97	1 AP		Asahi
14:41	6,130	-96	2 AP		Asahi
14:42	6,045	-86	2 AP		Asahi
14:43	5,972	-70	2 AP		Asahi
14:44	5,914	-56	2 AP		Asahi
14:45	5,862	-50	3 AP		Asahi
14:47	6,155	204	4 AP	1 hit	Asahi
14:49	6,572	213	3 AP		Asahi
14:50	6,535	-52	2 AP		Asahi
14:51	6,398	-256	1 AP		Asahi
14:52	6,138	-251	3 AP		Asahi
14:54	5,638	-242	2 HE	1 hit	Asahi
14:55	5,400	-235	2 AP		Asahi
14:57	4,983	-188	1 AP		Fuji
14:58	4,805	-173	1 AP		Fuji
15:00	4,478	-157	1 HE		Fuji
305mm/40 Primary Total			108 shells	3 hits	2.8%

2nd Pacific Squadron, Orel, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:50	12,588	-795	2 HE		Mikasa
13:51	11,805	-771	3 HE		Mikasa
13:52	12,325	-787	2 HE		Asahi
13:53	11,547	-771	3 HE		Asahi
13:54	10,788	-746	4 HE		Asahi
13:55	10,053	-719	4 HE		Asahi
13:56	9,346	-689	4 HE		Asahi
13:57	8,675	-647	6 HE		Asahi
13:58	8,049	-602	6 HE		Asahi
13:59	7,480	-542	8 HE		Asahi
14:00	7,103	-233	10 HE		Asahi
14:01	6,925	-134	11 HE		Asahi
14:02	6,852	-24	12 HE		Asahi
14:03	6,887	96	8 HE		Asahi
14:04	7,030	200	8 HE	1 hit	Asahi
14:05	7,030	-158	10 HE		Asahi
14:06	6,932	-29	13 HE		Asahi
14:07	6,948	74	14 HE		Asahi
14:08	7,078	182	11 HE		Asahi
14:09	7,314	287	10 HE		Asahi
14:10	7,222	-290	6 HE		Asahi
14:11	6,986	-171	12 HE	1 hit	Asahi
14:12	6,860	-60	13 HE		Asahi
14:13	6,851	49	13 HE		Asahi
14:14	6,958	158	12 HE		Asahi
14:15	6,917	30	7 HE		Asahi
14:16	6,973	111	8 HE		Asahi
14:17	7,096	158	8 HE		Asahi
14:18	7,273	211	7 HE		Asahi
14:19	7,493	257	7 HE		Asahi
14:20	7,775	314	6 HE		Asahi
14:21	8,111	359	6 HE		Asahi
14:22	8,527	444	3 HE		Asahi
14:23	9,019	507	3 HE		Asahi
14:24	9,582	580	2 HE		Asahi
14:25	9,586	-101	4 HE		Asahi
14:26	9,485	-66	5 HE		Asahi
14:27	9,385	-69	5 HE		Asahi
14:28	9,285	-69	4 HE		Asahi
14:29	9,153	-99	5 HE		Asahi
14:30	9,009	-123	6 HE		Asahi
14:31	8,855	-121	5 HE		Asahi
14:32	8,674	-181	6 HE		Asahi
14:33	8,465	-208	7 HE		Asahi
14:34	8,247	-141	6 HE		Asahi
14:35	8,109	-138	4 HE		Asahi
14:36	7,706	-489	6 HE		Asahi
14:37	7,209	-481	13 HE		Asahi
14:38	6,712	-497	13 HE		Asahi
14:39	6,291	-90	15 HE		Asahi
14:40	6,209	-97	15 HE	1 hit	Asahi
14:41	6,130	-96	15 HE		Asahi
14:42	6,045	-86	16 HE		Asahi
14:43	5,972	-70	14 HE	1 hit	Asahi
14:44	5,914	-56	15 HE		Asahi
14:45	5,862	-50	10 HE		Asahi
14:46	5,963	198	12 HE		Asahi
14:47	6,155	204	16 HE		Asahi
14:48	6,361	207	15 HE		Asahi
14:49	6,572	213	14 HE		Asahi
14:50	6,535	-52	13 HE		Asahi
14:51	6,398	-256	7 HE		Asahi
14:52	6,138	-251	9 HE		Asahi
14:53	5,884	-250	10 HE		Asahi
14:54	5,638	-242	12 HE		Asahi
14:55	5,400	-235	7 HE		Asahi
14:56	5,171	-223	9 HE		Asahi
14:57	4,983	-188	8 HE	1 hit	Fuji
14:58	4,805	-173	7 HE		Fuji

14:59	4,642	-154	9 HE	2 hits	Fuji
15:00	4,478	-157	8 HE		Fuji
152mm/45 Secondary Total				607 shells	7 hits 1.2%

2nd Pacific Squadron, Oslabia

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:51	12,558	-689	2 HE		Mikasa
13:53	11,107	-723	3 HE		Mikasa
13:55	9,604	-748	3 HE		Mikasa
13:57	8,308	-424	2 HE		Mikasa
13:58	7,773	-533	2 HE		Mikasa
13:59	7,246	-495	3 HE		Mikasa
14:00	6,773	-435	2 AP		Mikasa
14:01	6,391	-336	3 AP		Mikasa
14:02	6,029	-394	3 AP		Mikasa
14:03	6,104	134	3 AP		Mikasa
14:04	6,250	214	3 AP		Mikasa
14:05	6,534	331	3 AP		Mikasa
14:07	6,938	-483	4 HE		Mikasa
14:08	6,750	-145	4 HE		Mikasa
14:09	6,628	-69	3 HE		Mikasa
14:10	6,619	46	2 AP		Mikasa
14:11	6,724	156	2 AP		Mikasa
14:12	6,585	-104	4 AP		Mikasa
14:13	6,418	-171	4 AP		Mikasa
14:14	6,112	-249	2 AP		Mikasa
14:15	5,922	-129	3 AP		Mikasa
14:16	5,861	9	3 AP		Mikasa
14:17	5,931	132	3 AP		Mikasa
14:18	6,208	367	3 AP		Mikasa
14:20	7,323	444	3 HE	1 hit	Mikasa
14:22	7,570	-152	3 AP		Mikasa
14:24	7,372	-109	3 HE		Mikasa
14:26	7,135	-125	3 HE		Mikasa
14:28	6,858	-210	6 HE		Mikasa
14:30	6,404	-213	3 HE		Mikasa
14:32	6,113	-69	3 HE		Mikasa
14:34	5,859	-465	4 HE		Mikasa
14:35	5,667	-180	4 AP		Mikasa
14:36	5,479	-175	4 AP		Mikasa
14:38	6,014	250	6 HE		Mikasa
14:40	6,538	261	6 AP	1 hit	Mikasa
14:42	7,108	279	6 AP		Mikasa
14:44	7,164	23	5 HE		Mikasa
14:45	7,189	26	2 AP		Mikasa
14:46	7,219	33	3 AP	1 hit	Mikasa
14:48	6,791	-207	3 AP		Mikasa
14:50	6,411	-164	2 HE		Mikasa
14:51	6,451	40	3 AP		Mikasa
14:52	6,501	46	2 AP		Mikasa
14:53	6,549	49	3 AP		Mikasa
14:54	6,601	54	3 AP		Mikasa
14:56	6,426	-142	1 HE		Mikasa
14:57	6,257	-164	2 AP		Mikasa
14:58	6,072	-180	1 AP		Mikasa
14:59	5,962	-107	1 AP		Mikasa
15:00	5,857	-104	2 AP		Mikasa
15:02	5,290	-460	2 HE		Mikasa
15:03	4,809	-418	2 AP		Mikasa
15:04	4,730	-78	3 AP		Mikasa
15:05	4,656	-72	2 AP		Mikasa
15:06	4,583	-73	2 AP		Mikasa
15:07	4,510	-73	4 AP		Mikasa
15:08	4,461	-49	4 AP		Mikasa
15:09	4,415	-46	1 AP		Mikasa
15:10	4,370	-45	3 AP		Mikasa
15:11	4,336	32	4 AP		Mikasa
15:12	4,313	-11	1 AP		Mikasa
15:13	4,290	-17	5 AP		Mikasa
15:15	4,257	-16	5 HE	1 hit	Mikasa
15:16	4,241	-16	1 AP		Mikasa
15:17	4,312	71	3 AP		Mikasa
15:18	4,391	75	3 AP		Mikasa
15:19	4,467	75	2 AP		Mikasa
15:20	4,542	75	2 AP		Mikasa

15:21	4,618	75	4 AP	Mikasa
15:22	4,925	276	4 AP	Mikasa
15:23	5,201	277	1 AP	Mikasa
15:24	5,478	277	2 AP	Mikasa
15:25	5,755	277	1 AP	Mikasa
15:26	6,033	278	1 AP	Mikasa
15:27	6,290	257	2 AP	Mikasa
15:28	6,548	257	1 AP	Mikasa
15:29	6,805	257	1 AP	Mikasa
15:30	7,063	258	1 AP	Mikasa
15:31	7,321	258	2 AP	Mikasa
15:32	7,610	290	1 AP	Mikasa
15:33	7,908	300	2 AP	Mikasa
15:34	8,208	302	1 HE	Mikasa
15:35	8,510	304	2 HE	Mikasa
15:36	8,814	304	1 HE	Mikasa
15:37	9,407	600	2 HE	Mikasa
15:38	9,848	448	1 HE	Mikasa
15:40	10,923	562	1 HE	Mikasa
15:41	11,489	567	1 HE	Mikasa
15:42	12,026	541	1 HE	Mikasa
15:44	13,134	566	1 HE	Mikasa
254mm/45 Primary Total			239 shells 4 hits	1.7%

2nd Pacific Squadron, Osliaabia, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:51	12,558	-689	4 HE		Mikasa
13:52	11,801	-756	3 HE		Mikasa
13:53	11,107	-723	5 HE		Mikasa
13:54	10,354	-751	7 HE		Mikasa
13:55	9,604	-748	7 HE		Mikasa
13:56	8,856	-745	1 HE		Mikasa
13:57	8,308	-424	3 HE		Mikasa
13:58	7,773	-533	11 HE		Mikasa
13:59	7,246	-495	11 HE		Mikasa
14:00	6,773	-435	14 HE		Mikasa
14:01	6,391	-336	14 HE		Mikasa
14:02	6,029	-394	17 HE		Mikasa
14:03	6,104	134	12 HE		Mikasa
14:04	6,250	214	17 HE	1 hit	Mikasa
14:05	6,534	331	15 HE		Mikasa
14:06	6,905	418	11 HE		Mikasa
14:07	6,938	-483	3 HE		Mikasa
14:08	6,750	-145	10 HE		Mikasa
14:09	6,628	-69	15 HE		Mikasa
14:10	6,619	46	14 HE		Mikasa
14:11	6,724	156	13 HE		Mikasa
14:12	6,585	-104	14 HE		Mikasa
14:13	6,418	-171	13 HE		Mikasa
14:14	6,112	-249	14 HE		Mikasa
14:15	5,922	-129	14 HE	1 hit	Mikasa
14:16	5,861	9	17 HE	2 hits	Mikasa
14:17	5,931	132	16 HE		Mikasa
14:18	6,208	367	11 HE		Mikasa
14:19	6,967	420	11 HE	1 hit	Mikasa
14:28	6,858	-210	9 HE		Mikasa
14:29	6,616	-216	10 HE		Mikasa
14:30	6,404	-213	13 HE		Mikasa
14:31	6,188	-216	14 HE		Mikasa
14:32	6,113	-69	13 HE		Mikasa
14:33	6,042	-70	13 HE	1 hit	Mikasa
14:34	5,859	-465	10 HE		Mikasa
14:35	5,667	-180	16 HE		Mikasa
14:36	5,479	-175	20 HE		Mikasa
14:37	5,764	286	15 HE		Mikasa
14:38	6,014	250	17 HE		Mikasa
14:39	6,278	265	14 HE		Mikasa
14:40	6,538	261	15 HE		Mikasa
14:41	6,820	283	13 HE		Mikasa
14:42	7,108	279	13 HE		Mikasa
14:43	7,122	16	11 HE		Mikasa
14:44	7,164	23	14 HE		Mikasa
14:45	7,189	26	12 HE		Mikasa
14:46	7,219	33	12 HE		Mikasa
14:47	7,002	-213	14 HE		Mikasa
14:48	6,791	-207	14 HE		Mikasa
14:49	6,590	-198	12 HE	1 hit	Mikasa
14:50	6,411	-164	14 HE	1 hit	Mikasa
14:51	6,451	40	11 HE		Mikasa
14:52	6,501	46	12 HE		Mikasa
14:53	6,549	49	13 HE	1 hit	Mikasa
14:54	6,601	54	13 HE		Mikasa
14:55	6,574	-156	8 HE		Mikasa
14:56	6,426	-142	13 HE	1 hit	Mikasa
14:57	6,257	-164	14 HE		Mikasa
14:58	6,072	-180	14 HE		Mikasa
14:59	5,962	-107	14 HE		Mikasa
15:00	5,857	-104	11 SAP		Mikasa
15:01	5,753	-102	16 SAP		Mikasa
15:02	5,290	-460	15 SAP		Mikasa
15:03	4,809	-418	18 SAP		Mikasa
15:04	4,730	-78	13 SAP		Mikasa
15:05	4,656	-72	20 SAP	2 hits	Mikasa
15:06	4,583	-73	18 SAP	2 hits	Mikasa
15:07	4,510	-73	17 SAP		Mikasa

15:08	4,461	-49	17	SAP	1 hit	Mikasa
15:09	4,415	-46	20	SAP		Mikasa
15:10	4,370	-45	21	SAP		Mikasa
15:11	4,336	32	20	SAP		Mikasa
15:12	4,313	-11	19	SAP		Mikasa
15:13	4,290	-17	20	SAP		Mikasa
15:14	4,273	-17	18	SAP	1 hit	Mikasa
15:15	4,257	-16	20	SAP	1 hit	Mikasa
15:16	4,241	-16	16	SAP		Mikasa
15:17	4,312	71	20	SAP	2 hits	Mikasa
15:18	4,391	75	20	SAP		Mikasa
15:19	4,467	75	19	SAP		Mikasa
15:20	4,542	75	19	SAP		Mikasa
15:21	4,618	75	19	SAP		Mikasa
15:22	4,925	276	13	SAP		Mikasa
15:23	5,201	277	12	SAP	1 hit	Mikasa
15:24	5,478	277	10	SAP		Mikasa
15:25	5,755	277	10	SAP		Mikasa
15:26	6,033	278	9	SAP		Mikasa
15:27	6,290	257	8	SAP		Mikasa
15:28	6,548	257	7	SAP		Mikasa
15:29	6,805	257	8	SAP	1 hit	Mikasa
15:30	7,063	258	7	SAP		Mikasa
15:31	7,321	258	7	SAP		Mikasa
15:32	7,610	290	5	SAP		Mikasa
15:33	7,908	300	6	SAP		Mikasa
15:34	8,208	302	6	SAP		Mikasa
15:35	8,510	304	6	SAP		Mikasa
15:36	8,814	304	5	SAP		Mikasa
15:37	9,407	600	5	SAP		Mikasa
15:38	9,848	448	4	SAP		Mikasa
15:39	10,365	518	2	SAP		Mikasa
15:40	10,923	562	3	SAP		Mikasa
15:41	11,489	567	2	SAP		Mikasa
15:42	12,026	541	1	SAP		Mikasa
15:43	12,574	554	1	SAP		Mikasa
15:44	13,134	566	1	SAP		Mikasa
152mm/45 Secondary Total 1271 shells 21 hits 1.7%						

2nd Pacific Squadron, Sissoi Veliki

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:51	13,344	-719	1 HE		Shikisima
13:53	11,949	-756	1 HE		Shikisima
13:54	11,194	-692	1 HE		Shikisima
13:55	10,504	-689	2 HE		Shikisima
13:57	8,974	-714	2 HE		Shikisima
13:59	7,862	-544	4 HE		Shikisima
14:00	7,346	-487	1 HE		Shikisima
14:01	6,822	-418	3 HE		Shikisima
14:02	6,443	-336	1 AP		Shikisima
14:03	6,113	-303	3 AP		Shikisima
14:04	6,044	105	3 AP		Shikisima
14:05	6,212	200	1 AP		Shikisima
14:06	6,462	294	3 AP		Shikisima
14:07	6,800	379	2 AP		Shikisima
14:09	6,753	-173	4 HE		Shikisima
14:11	6,605	25	4 HE		Shikisima
14:12	6,682	127	3 AP		Shikisima
14:13	6,550	-116	1 AP		Shikisima
14:14	6,446	-115	2 AP		Shikisima
14:15	6,107	-264	3 AP		Shikisima
14:16	5,908	-136	1 AP		Shikisima
14:17	5,837	-18	2 AP		Shikisima
14:18	5,883	101	3 AP		Shikisima
14:19	6,182	350	1 AP		Shikisima
14:20	6,564	421	1 AP		Shikisima
14:21	6,989	-57	2 AP		Shikisima
14:23	7,471	-253	2 AP		Shikisima
14:25	7,238	-109	1 HE		Shikisima
14:26	7,100	-102	2 HE		Shikisima
14:28	6,846	-121	2 HE		Shikisima
14:30	6,558	-211	2 HE		Shikisima
14:31	6,322	-285	4 HE		Shikisima
14:33	5,970	-70	2 HE		Shikisima
14:34	5,903	-63	2 AP		Shikisima
14:35	5,844	-111	3 AP		Shikisima
14:36	5,591	-175	2 AP		Shikisima
14:37	5,447	289	4 AP		Shikisima
14:39	5,962	265	4 AP		Shikisima
14:40	6,229	267	1 AP		Shikisima
14:41	6,506	283	3 AP		Shikisima
14:42	6,790	285	3 AP		Shikisima
14:43	7,077	287	1 AP		Shikisima
14:44	7,256	19	2 AP		Shikisima
14:45	7,279	26	3 AP		Shikisima
14:47	7,340	36	2 AP		Shikisima
14:49	6,916	-202	2 HE		Shikisima
14:51	6,543	-169	2 HE		Shikisima
14:52	6,493	46	3 AP		Shikisima
14:53	6,541	49	1 AP		Shikisima
14:54	6,593	54	3 AP		Shikisima
14:55	6,639	47	1 AP	1 hit	Shikisima
14:56	6,688	-152	1 AP		Shikisima
14:57	6,542	-136	1 AP		Shikisima
14:58	6,318	-159	1 AP		Shikisima
14:59	6,164	-149	1 AP		Shikisima
15:00	6,014	-80	2 AP		Shikisima
15:02	5,790	-115	1 HE	1 hit	Shikisima
15:03	5,387	-432	1 AP		Shikisima
15:04	4,991	-388	1 AP		Shikisima
15:05	4,744	-74	3 AP	1 hit	Shikisima
15:06	4,670	-49	4 AP	1 hit	Shikisima
15:08	4,456	93	3 AP		Shikisima
15:09	4,661	213	1 AP		Shikisima
15:10	4,668	10	3 AP		Shikisima
15:11	4,531	-136	2 AP		Shikisima
15:13	4,134	-52	1 AP		Shikisima
15:16	4,004	-19	1 AP		Shikisima
15:19	3,935	12	1 AP		Shikisima
15:23	4,186	103	1 AP		Shikisima

15:26	4,553	140	1 AP	Shikisima
305mm/40	Primary	Total	142 shells	4 hits 2.8%

2nd Pacific Squadron, Sissoi Veliki, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:52	12,635	-699	2 HE		Shikisima
13:53	11,949	-756	1 HE		Shikisima
13:54	11,194	-692	2 HE		Shikisima
13:55	10,504	-689	3 HE		Shikisima
13:56	9,691	-717	4 HE		Shikisima
13:58	8,453	-611	3 HE		Shikisima
13:59	7,862	-544	6 HE		Shikisima
14:00	7,346	-487	5 HE		Shikisima
14:01	6,822	-418	6 HE		Shikisima
14:02	6,443	-336	7 HE		Shikisima
14:03	6,113	-303	8 HE		Shikisima
14:04	6,044	105	7 HE		Shikisima
14:05	6,212	200	8 HE	2 hits	Shikisima
14:06	6,462	294	8 HE		Shikisima
14:07	6,800	379	6 HE		Shikisima
14:08	6,915	83	5 HE		Shikisima
14:09	6,753	-173	5 HE		Shikisima
14:10	6,618	-76	7 HE		Shikisima
14:11	6,605	25	7 HE		Shikisima
14:12	6,682	127	5 HE		Shikisima
14:13	6,550	-116	7 HE		Shikisima
14:14	6,446	-115	6 HE		Shikisima
14:15	6,107	-264	7 HE		Shikisima
14:16	5,908	-136	8 HE		Shikisima
14:17	5,837	-18	7 HE		Shikisima
14:18	5,883	101	7 HE		Shikisima
14:19	6,182	350	7 HE		Shikisima
14:20	6,564	421	7 HE		Shikisima
14:21	6,989	-57	1 HE		Shikisima
14:30	6,558	-211	6 HE		Shikisima
14:31	6,322	-285	7 HE		Shikisima
14:32	6,046	-144	8 HE		Shikisima
14:33	5,970	-70	8 HE		Shikisima
14:34	5,903	-63	8 HE		Shikisima
14:35	5,844	-111	8 HE		Shikisima
14:36	5,591	-175	7 HE		Shikisima
14:37	5,447	289	10 HE		Shikisima
14:38	5,698	250	10 HE	1 hit	Shikisima
14:39	5,962	265	9 HE		Shikisima
14:40	6,229	267	6 HE		Shikisima
14:41	6,506	283	8 HE		Shikisima
14:42	6,790	285	7 HE		Shikisima
14:43	7,077	287	6 HE		Shikisima
14:44	7,256	19	5 HE		Shikisima
14:45	7,279	26	6 HE		Shikisima
14:46	7,307	29	5 HE		Shikisima
14:47	7,340	36	5 HE		Shikisima
14:48	7,124	-208	5 HE		Shikisima
14:49	6,916	-202	5 HE		Shikisima
14:50	6,723	-193	7 HE		Shikisima
14:51	6,543	-169	5 HE		Shikisima
14:52	6,493	46	5 HE		Shikisima
14:53	6,541	49	7 HE		Shikisima
14:54	6,593	54	5 HE		Shikisima
14:55	6,639	47	7 HE		Shikisima
14:56	6,688	-152	5 HE		Shikisima
14:57	6,542	-136	7 HE		Shikisima
14:58	6,318	-159	6 HE		Shikisima
14:59	6,164	-149	7 HE		Shikisima
15:00	6,014	-80	7 SAP		Shikisima
15:01	5,910	-101	8 SAP		Shikisima
15:02	5,790	-115	8 SAP		Shikisima
15:03	5,387	-432	9 SAP		Shikisima
15:04	4,991	-388	9 SAP		Shikisima
15:05	4,744	-74	8 SAP		Shikisima
15:06	4,670	-49	10 SAP		Shikisima
15:07	4,390	-255	11 SAP		Shikisima
15:08	4,456	93	9 SAP		Shikisima
15:09	4,661	213	8 SAP		Shikisima

15:10	4,668	10	7	SAP		Shikisima
15:11	4,531	-136	8	SAP		Shikisima
15:15	4,035	-40	1	SAP		Shikisima
15:18	3,935	-14	1	SAP		Shikisima
15:22	4,091	97	1	SAP		Shikisima
15:27	4,715	168	1	SAP	1 hit	Shikisima
152mm/45 Secondary Total			468	shells	4 hits	0.9%

2nd Pacific Squadron, Navarin

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:57	9,809	-717	2 HE		Fuji
14:00	7,928	-589	4 HE		Fuji
14:02	6,891	-431	2 HE		Fuji
14:03	6,498	-363	2 HE		Fuji
14:04	6,131	-323	2 AP		Fuji
14:05	6,019	105	2 AP		Fuji
14:07	6,392	281	4 AP		Fuji
14:09	6,846	-19	2 HE		Fuji
14:10	6,869	-91	2 HE		Fuji
14:11	6,818	-129	2 HE		Fuji
14:12	6,749	-15	1 HE		Fuji
14:13	6,787	92	1 HE		Fuji
14:14	6,607	-197	3 AP		Fuji
14:15	6,433	-136	1 AP		Fuji
14:16	6,104	-264	3 AP		Fuji
14:17	5,895	-151	1 AP		Fuji
14:18	5,804	-33	3 AP	1 hit	Fuji
14:20	5,933	160	1 AP		Fuji
14:21	6,255	356	1 AP		Fuji
14:22	6,646	423	1 AP		Fuji
14:23	7,128	507	1 AP		Fuji
14:24	7,129	-91	1 AP		Fuji
14:25	7,072	-23	1 AP		Fuji
14:27	6,935	-106	1 HE		Fuji
14:28	6,803	-129	1 HE		Fuji
14:29	6,650	-120	1 HE		Fuji
14:30	6,504	-127	1 HE		Fuji
14:31	6,350	-181	1 HE		Fuji
14:32	6,169	-207	1 HE		Fuji
14:34	5,830	-66	1 HE		Fuji
14:35	5,768	-85	3 AP		Fuji
14:36	5,687	-93	1 AP		Fuji
14:37	5,532	-170	3 AP		Fuji
14:38	5,381	292	1 AP		Fuji
14:39	5,647	252	3 AP		Fuji
14:40	5,914	268	1 AP		Fuji
14:42	6,477	287	3 HE		Fuji
14:43	6,765	289	1 AP		Fuji
14:44	7,054	291	3 AP		Fuji
14:45	7,345	287	1 AP		Fuji
14:46	7,395	29	3 AP		Fuji
14:49	7,247	-208	2 HE		Fuji
14:51	6,857	-185	2 HE		Fuji
14:52	6,484	46	1 AP		Fuji
14:53	6,533	49	3 AP		Fuji
14:54	6,585	54	1 AP		Fuji
14:55	6,631	47	1 AP		Fuji
14:56	6,679	49	3 AP		Fuji
14:57	6,719	-86	1 AP		Fuji
14:58	6,634	-148	2 AP	1 hit	Fuji
15:00	6,296	-200	2 AP		Fuji
15:03	5,837	-87	2 HE		Fuji
15:05	5,066	-373	2 HE		Fuji
15:07	4,788	-53	3 HE		Fuji
15:08	4,705	-99	1 AP		Fuji
15:09	4,598	-120	3 AP		Fuji
15:10	4,478	-134	1 AP		Fuji
15:11	4,333	-140	1 AP		Shikisima
15:12	4,404	71	3 AP		Shikisima
15:14	4,599	105	2 HE		Shikisima
15:15	4,706	109	2 AP	1 hit	Shikisima
15:16	4,834	130	2 AP		Shikisima
15:17	4,920	106	1 AP		Shikisima
15:18	5,007	88	2 AP		Shikisima
15:19	5,076	70	1 AP		Shikisima
15:20	5,146	70	2 AP		Shikisima
15:21	5,217	71	1 AP		Shikisima
15:22	5,309	131	1 AP		Shikisima
15:23	5,457	163	1 AP		Shikisima

15:24	5,620	177	1 AP	Shikisima
15:26	6,064	30	2 AP	Shikisima
15:27	6,103	201	1 AP	Shikisima
15:28	6,275	130	1 AP	Shikisima
15:29	6,115	185	2 AP	Fuji
15:30	6,301	164	2 AP	Fuji
15:31	6,621	321	1 AP	Fuji
15:32	7,051	437	2 AP	Fuji
15:33	7,319	264	2 AP	Fuji
15:34	7,670	354	2 AP	Fuji
15:35	7,959	290	2 AP	Fuji
15:36	8,018	61	1 HE	Fuji
15:37	8,040	26	1 HE	Fuji
15:39	8,224	99	1 HE	Fuji
15:40	8,326	107	1 HE	Fuji
15:41	8,464	140	1 HE	Fuji
15:43	9,376	487	1 HE	Fuji
305mm/35 Primary Total			146 shells	3 hits 2.1%

2nd Pacific Squadron, Navarin, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:59	8,364	-690	4 HE		Fuji
14:00	7,928	-589	4 HE		Fuji
14:01	7,365	-507	4 HE		Fuji
14:02	6,891	-431	4 HE		Fuji
14:03	6,498	-363	4 HE		Fuji
14:04	6,131	-323	4 HE		Fuji
14:05	6,019	105	4 HE		Fuji
14:06	6,155	186	4 HE		Fuji
14:07	6,392	281	4 HE		Fuji
14:08	6,719	362	3 HE	1 hit	Fuji
14:09	6,846	-19	4 HE		Fuji
14:10	6,869	-91	4 HE		Fuji
14:11	6,818	-129	3 HE		Fuji
14:12	6,749	-15	4 HE		Fuji
14:13	6,787	92	3 HE		Fuji
14:14	6,607	-197	4 HE		Fuji
14:15	6,433	-136	4 HE		Fuji
14:16	6,104	-264	4 HE		Fuji
14:17	5,895	-151	4 HE		Fuji
14:18	5,804	-33	3 HE		Fuji
14:19	5,821	71	4 HE		Fuji
14:20	5,933	160	4 HE		Fuji
14:21	6,255	356	4 HE		Fuji
14:22	6,646	423	4 HE		Fuji
14:31	6,350	-181	4 HE		Fuji
14:32	6,169	-207	4 HE		Fuji
14:33	5,899	-73	4 HE		Fuji
14:34	5,830	-66	4 HE		Fuji
14:35	5,768	-85	4 HE		Fuji
14:36	5,687	-93	4 HE		Fuji
14:37	5,532	-170	4 HE		Fuji
14:38	5,381	292	4 HE		Fuji
14:39	5,647	252	4 HE		Fuji
14:40	5,914	268	4 HE		Fuji
14:41	6,191	270	4 HE		Fuji
14:42	6,477	287	4 HE		Fuji
14:43	6,765	289	4 HE		Fuji
14:44	7,054	291	3 HE		Fuji
14:45	7,345	287	4 HE		Fuji
14:46	7,395	29	3 HE		Fuji
14:47	7,427	33	4 HE		Fuji
14:48	7,462	39	4 HE		Fuji
14:49	7,247	-208	4 HE		Fuji
14:50	7,046	-198	4 HE		Fuji
14:51	6,857	-185	4 HE	1 hit	Fuji
14:52	6,484	46	4 HE		Fuji
14:53	6,533	49	3 HE		Fuji
14:54	6,585	54	3 HE		Fuji
14:55	6,631	47	4 HE		Fuji
14:56	6,679	49	4 HE		Fuji
14:57	6,719	-86	4 HE		Fuji
14:58	6,634	-148	4 HE		Fuji
14:59	6,491	-176	4 HE		Fuji
15:01	6,086	-159	4 HE		Fuji
15:02	5,929	-119	4 HE		Fuji
15:03	5,837	-87	4 HE		Fuji
15:04	5,450	-380	4 HE		Fuji
15:05	5,066	-373	4 HE		Fuji
15:06	4,842	-217	3 HE		Fuji
15:07	4,788	-53	3 HE		Fuji
15:08	4,705	-99	4 HE		Fuji
15:09	4,598	-120	3 HE		Fuji
15:10	4,478	-134	4 HE		Fuji
15:11	4,333	-140	4 HE		Shikisima
15:12	4,404	71	3 HE		Shikisima
15:13	4,496	93	3 HE		Shikisima
15:14	4,599	105	4 HE		Shikisima
15:15	4,706	109	3 HE		Shikisima
15:16	4,834	130	3 HE		Shikisima

15:17	4,920	106	4 HE	Shikisima
15:18	5,007	88	3 HE	Shikisima
15:19	5,076	70	3 HE	Shikisima
15:20	5,146	70	3 HE	Shikisima
15:21	5,217	71	3 HE	Shikisima
15:22	5,309	131	3 HE	Shikisima
15:23	5,457	163	3 HE	Shikisima
15:24	5,620	177	2 HE	Shikisima
15:25	5,857	238	3 HE	Shikisima
15:26	6,064	30	3 HE	Shikisima
15:27	6,103	201	2 HE	Shikisima
15:28	6,275	130	4 HE	Shikisima
15:29	6,115	185	3 HE	Fuji
15:30	6,301	164	3 HE	Fuji
15:31	6,621	321	3 HE	Fuji
15:32	7,051	437	3 HE	Fuji
15:33	7,319	264	4 HE	Fuji
15:34	7,670	354	4 HE	Fuji
15:35	7,959	290	4 HE	Fuji
15:36	8,018	61	4 HE	Fuji
15:37	8,040	26	4 HE	Fuji
15:38	8,128	90	4 HE	Fuji
15:39	8,224	99	4 HE	Fuji
15:40	8,326	107	4 HE	Fuji
15:41	8,464	140	3 HE	Fuji
152mm/35 Secondary Total 344 shells 2 hits 0.6%				

2nd Pacific Squadron, Admiral Nakhimov

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:58	9,896	-771	2 HE		Asahi
13:59	9,127	-769	1 HE		Asahi
14:00	8,623	-646	1 HE		Asahi
14:01	7,996	-555	2 HE		Asahi
14:02	7,446	-519	9 HE		Asahi
14:03	6,943	-469	12 HE		Asahi
14:04	6,518	-378	12 HE		Asahi
14:05	6,147	-337	12 HE		Asahi
14:06	5,871	49	11 HE		Asahi
14:07	5,969	208	12 HE		Asahi
14:08	6,252	343	7 HE		Asahi
14:09	6,632	355	10 HE		Asahi
14:10	6,761	-44	12 HE		Asahi
14:11	6,231	110	2 HE		Mikasa
14:12	6,722	-63	12 HE		Asahi
14:13	6,725	22	1 HE		Asahi
14:14	6,810	108	11 HE		Asahi
14:15	6,640	-177	2 HE		Asahi
14:16	6,434	-356	1 HE		Asahi
14:17	6,101	-280	11 HE		Asahi
14:18	5,883	-159	10 HE		Asahi
14:19	5,782	-33	11 HE		Asahi
14:20	5,790	71	10 HE		Asahi
14:21	5,895	147	8 HE		Asahi
14:22	6,208	353	7 HE		Asahi
14:23	6,624	452	7 HE		Asahi
14:24	7,240	475	3 HE		Asahi
14:25	7,210	-156	1 HE		Asahi
14:26	7,056	-88	3 HE		Asahi
14:27	6,910	-113	4 HE		Asahi
14:28	6,770	-106	2 HE		Asahi
14:29	6,607	-127	3 HE		Asahi
14:30	6,454	-123	4 HE		Asahi
14:31	6,304	-130	3 HE		Asahi
14:32	6,145	-174	8 HE		Asahi
14:33	5,943	-213	7 HE	1 hit	Asahi
14:34	5,757	-66	8 HE		Asahi
14:35	5,693	-76	11 HE		Asahi
14:36	5,619	-74	12 HE		Asahi
14:37	5,647	-167	12 HE		Asahi
14:38	5,480	-164	12 HE	1 hit	Asahi
14:39	5,331	295	10 HE		Asahi
14:40	5,599	254	12 HE		Asahi
14:41	5,878	270	12 HE		Asahi
14:42	6,164	271	12 HE	1 hit	Asahi
14:43	6,453	289	12 HE		Asahi
14:44	6,743	291	12 HE		Asahi
14:45	7,035	292	12 HE		Asahi
14:46	7,328	294	11 HE	1 hit	Asahi
14:47	7,514	33	5 HE		Asahi
14:48	7,548	36	7 HE		Asahi
14:49	7,586	42	5 HE		Asahi
14:50	7,374	-203	8 HE	1 hit	Asahi
14:51	7,178	-198	7 HE		Asahi
14:52	6,944	36	9 HE		Asahi
14:53	6,839	-80	11 HE		Asahi
14:54	6,576	54	12 HE		Asahi
14:55	6,622	47	11 HE	1 hit	Asahi
14:56	6,661	39	11 HE		Asahi
14:57	6,689	-67	11 HE		Asahi
14:58	6,624	-102	11 HE		Asahi
14:59	6,524	-176	7 HE		Asahi
15:00	6,382	-159	7 HE		Asahi
15:01	6,196	-152	7 HE		Asahi
15:02	6,033	-136	7 HE		Asahi
15:03	5,927	-94	7 HE		Asahi
15:04	5,862	-57	7 HE		Asahi
15:05	5,538	-400	7 HE	1 hit	Asahi
15:06	5,143	-381	7 HE		Asahi

15:07	4,769	-74	10	HE	2 hits	Asahi
15:08	4,699	-73	11	HE	2 hits	Asahi
15:09	4,626	-72	10	HE	1 hit	Asahi
15:10	4,555	-71	11	HE	2 hits	Asahi
15:11	4,447	-43	10	HE		Fuji
15:12	4,426	-12	11	HE	1 hit	Fuji
15:13	4,410	-9	10	HE		Fuji
15:14	4,233	-11	12	HE	1 hit	Fuji
15:15	4,213	-13	11	HE		Fuji
15:16	4,202	389	11	HE		Fuji
15:17	4,210	10	9	HE		Fuji
15:18	4,156	68	10	HE	1 hit	Fuji
15:19	4,235	71	11	HE	1 hit	Fuji
15:20	4,316	75	10	HE		Fuji
15:21	4,391	75	8	HE		Fuji
15:22	4,470	113	8	HE		Fuji
15:23	4,583	119	10	HE	1 hit	Fuji
15:24	4,702	125	10	HE	1 hit	Fuji
15:25	4,828	131	10	HE	1 hit	Fuji
15:26	5,098	221	11	HE	1 hit	Fuji
15:27	5,425	332	10	HE		Fuji
15:28	5,715	291	10	HE		Fuji
15:29	6,140	338	10	HE		Asahi
15:30	6,467	337	8	HE		Asahi
15:31	6,788	322	10	HE		Asahi
15:32	7,237	462	2	HE		Asahi
15:33	7,432	205	9	HE		Asahi
15:34	7,647	223	5	HE		Asahi
15:35	7,887	262	7	AP		Asahi
15:36	8,158	284	6	AP	1 hit	Asahi
15:37	8,812	567	1	AP		Mikasa
15:38	9,315	271	2	AP		Shikisima
15:39	9,573	258	1	AP		Shikisima
15:40	9,818	247	1	AP		Shikisima
203mm/35 Primary Total					832 shells 23 hits	2.8%

2nd Pacific Squadron, Admiral Nakhimov, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:01	7,996	-555	5 HE		Asahi
14:02	7,446	-519	5 HE		Asahi
14:03	6,943	-469	5 HE		Asahi
14:04	6,518	-378	5 HE		Asahi
14:05	6,147	-337	4 HE		Asahi
14:06	5,871	49	5 HE		Asahi
14:07	5,969	208	5 HE		Asahi
14:08	6,252	343	5 HE		Asahi
14:09	6,632	355	4 HE		Asahi
14:10	6,761	-44	5 HE		Asahi
14:11	6,231	110	4 HE		Mikasa
14:12	6,722	-63	4 HE		Asahi
14:13	6,725	22	4 HE		Asahi
14:14	6,810	108	5 HE		Asahi
14:15	6,640	-177	4 HE		Asahi
14:16	6,434	-356	5 HE		Asahi
14:17	6,101	-280	3 HE		Asahi
14:18	5,883	-159	3 HE		Asahi
14:19	5,782	-33	4 HE		Asahi
14:20	5,790	71	5 HE		Asahi
14:21	5,895	147	4 HE		Asahi
14:22	6,208	353	4 HE		Asahi
14:23	6,624	452	4 HE		Asahi
14:32	6,145	-174	5 HE		Asahi
14:33	5,943	-213	5 HE		Asahi
14:34	5,757	-66	4 HE		Asahi
14:35	5,693	-76	5 HE		Asahi
14:36	5,619	-74	5 HE		Asahi
14:37	5,647	-167	5 HE		Asahi
14:38	5,480	-164	5 HE		Asahi
14:39	5,331	295	4 HE		Asahi
14:40	5,599	254	5 HE		Asahi
14:41	5,878	270	5 HE	1 hit	Asahi
14:42	6,164	271	5 HE		Asahi
14:43	6,453	289	5 HE		Asahi
14:44	6,743	291	5 HE		Asahi
14:45	7,035	292	5 HE		Asahi
14:46	7,328	294	5 HE		Asahi
14:47	7,514	33	5 HE		Asahi
14:48	7,548	36	4 HE		Asahi
14:49	7,586	42	5 HE		Asahi
14:50	7,374	-203	5 HE		Asahi
14:51	7,178	-198	5 HE		Asahi
14:52	6,944	36	5 HE		Asahi
14:53	6,839	-80	5 HE		Asahi
14:54	6,576	54	5 HE		Asahi
14:55	6,622	47	4 HE		Asahi
14:56	6,661	39	4 HE		Asahi
14:57	6,689	-67	5 HE		Asahi
14:58	6,624	-102	4 HE		Asahi
14:59	6,524	-176	4 HE	1 hit	Asahi
15:00	6,382	-159	5 HE		Asahi
15:01	6,196	-152	4 HE		Asahi
15:02	6,033	-136	5 HE		Asahi
15:03	5,927	-94	4 HE		Asahi
15:04	5,862	-57	4 HE	1 hit	Asahi
15:05	5,538	-400	5 HE		Asahi
15:06	5,143	-381	4 HE		Asahi
15:07	4,769	-74	4 HE		Asahi
15:08	4,699	-73	5 HE		Asahi
15:09	4,626	-72	4 HE		Asahi
15:10	4,555	-71	5 HE		Asahi
15:11	4,447	-43	3 HE		Fuji
15:12	4,426	-12	5 HE	1 hit	Fuji
15:13	4,410	-9	4 HE		Fuji
15:14	4,233	-11	5 HE		Fuji
15:15	4,213	-13	4 HE		Fuji
15:16	4,202	389	5 HE		Fuji
15:17	4,210	10	4 HE		Fuji

15:18	4,156	68	5 HE	Fuji
15:19	4,235	71	5 HE	Fuji
15:20	4,316	75	4 HE	Fuji
15:21	4,391	75	4 HE	Fuji
15:22	4,470	113	4 HE	Fuji
15:23	4,583	119	4 HE	Fuji
15:24	4,702	125	3 HE	Fuji
15:25	4,828	131	5 HE	Fuji
15:26	5,098	221	4 HE	Fuji
15:27	5,425	332	4 HE	Fuji
15:28	5,715	291	3 HE	Fuji
15:29	6,140	338	4 HE	Asahi
15:30	6,467	337	5 HE	Asahi
15:31	6,788	322	4 HE	Asahi
15:32	7,237	462	4 HE	Asahi
15:33	7,432	205	3 HE	Asahi
15:34	7,647	223	4 HE	Asahi
15:35	7,887	262	5 HE	Asahi
15:36	8,158	284	5 HE	Asahi
152mm/35 Secondary Total 392 shells 4 hits 1%				

2nd Pacific Squadron, Imp Nikolai I

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:57	10,162	-699	2 HE		Mikasa
14:02	7,030	-523	2 HE		Mikasa
14:07	5,385	-686	2 AP		Mikasa
14:14	5,331	-386	2 HE		Shikisima
14:33	5,391	18	2 HE		Shikisima
14:38	5,363	-13	2 HE		Shikisima
14:43	5,727	210	2 HE		Shikisima
14:48	6,490	-54	2 HE		Shikisima
14:53	6,398	36	1 HE		Shikisima
14:54	6,434	44	1 AP		Shikisima
14:56	6,046	-171	1 HE		Shikisima
14:59	5,538	-161	1 HE		Shikisima
15:01	5,250	-126	1 HE		Shikisima
15:04	4,815	-75	1 HE		Shikisima
15:06	4,613	-72	1 AP		Mikasa
15:09	4,400	-73	1 AP		Mikasa
15:11	4,308	42	1 AP		Mikasa
15:14	4,605	-43	1 HE		Mikasa
15:16	4,328	-166	1 HE		Mikasa
15:19	4,701	68	1 HE		Mikasa
15:21	4,837	68	1 HE		Mikasa
15:24	5,527	240	1 AP		Mikasa
15:26	6,018	247	1 HE		Mikasa
15:29	6,752	248	1 HE		Mikasa
15:31	7,338	258	1 HE		Mikasa
15:34	8,285	320	1 HE		Mikasa
15:36	8,927	321	1 HE		Mikasa
305mm/30 Primary Total			35 shells	0 hits	

2nd Pacific Squadron, Imp Nikolai I, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:57	10,162	-699	1 AP		Mikasa
13:58	9,479	-672	1 AP		Mikasa
13:59	8,802	-657	1 AP		Mikasa
14:00	8,169	-613	1 AP		Mikasa
14:01	7,590	-553	1 AP		Mikasa
14:02	7,030	-523	1 AP		Mikasa
14:03	6,547	-444	1 AP		Mikasa
14:04	6,158	-331	2 AP		Mikasa
14:05	5,882	-211	2 AP		Mikasa
14:06	5,742	-64	2 AP		Mikasa
14:07	5,385	-686	1 AP		Mikasa
14:08	5,324	-23	1 AP		Mikasa
14:09	5,252	-48	1 AP		Mikasa
14:10	5,295	77	1 AP		Mikasa
14:11	5,629	116	1 AP		Shikisima
14:12	5,780	178	1 AP		Shikisima
14:13	5,779	-45	1 AP		Shikisima
14:14	5,331	-386	2 AP		Shikisima
14:15	4,954	-342	1 AP		Shikisima
14:16	4,669	-228	2 AP		Shikisima
14:17	4,493	-113	1 AP		Shikisima
14:18	4,458	37	1 AP		Shikisima
14:19	4,557	158	1 AP		Shikisima
14:20	4,782	288	1 AP		Shikisima
14:21	5,146	416	1 AP		Shikisima
14:22	5,603	497	1 AP		Shikisima
14:23	5,631	-75	1 AP		Shikisima
14:24	5,595	2	1 AP		Shikisima
14:25	5,567	-22	1 AP		Shikisima
14:26	5,518	-14	1 AP		Shikisima
14:27	5,478	-33	1 AP		Shikisima
14:28	5,450	-25	1 AP		Shikisima
14:29	5,402	-12	1 AP		Shikisima
14:30	5,366	-29	1 AP		Shikisima
14:31	5,343	-15	1 AP		Shikisima
14:32	5,376	148	1 AP		Shikisima
14:34	5,389	1	1 AP		Shikisima
14:35	5,392	4	1 AP		Shikisima
14:36	5,399	10	1 AP		Shikisima
14:37	5,378	-36	1 AP		Shikisima
14:38	5,363	-13	1 AP		Shikisima
14:39	5,345	-17	1 AP		Shikisima
14:40	5,331	-12	1 AP		Shikisima
14:41	5,314	-15	1 AP		Shikisima
14:42	5,517	203	2 AP		Shikisima
14:43	5,727	210	2 AP		Shikisima
14:44	5,937	211	2 AP		Shikisima
14:45	6,140	204	2 AP		Shikisima
14:46	6,344	204	2 AP		Shikisima
14:47	6,547	204	2 AP		Shikisima
14:48	6,490	-54	2 AP		Shikisima
14:49	6,433	-57	2 AP		Shikisima
14:50	6,289	-263	1 AP		Shikisima
14:51	6,324	35	2 AP		Shikisima
14:52	6,364	43	2 AP		Shikisima
14:53	6,398	36	1 AP		Shikisima
14:54	6,434	44	2 AP		Shikisima
14:55	6,221	-207	1 AP		Shikisima
14:56	6,046	-171	1 AP		Shikisima
14:57	5,882	-156	1 AP		Shikisima
14:58	5,704	-171	1 AP		Shikisima
14:59	5,538	-161	1 AP		Shikisima
15:00	5,386	-146	1 AP		Shikisima
15:01	5,250	-126	1 AP		Shikisima
15:02	5,112	-128	1 AP		Shikisima
15:03	4,896	-82	2 AP		Shikisima
15:04	4,815	-75	2 AP		Shikisima
15:05	4,685	-69	2 AP		Mikasa
15:06	4,613	-72	2 AP		Mikasa

15:07	4,543	-70	2 AP	1 hit	Mikasa
15:08	4,473	-70	2 AP		Mikasa
15:09	4,400	-73	2 AP		Mikasa
15:10	4,327	-72	2 AP		Mikasa
15:11	4,308	42	2 AP		Mikasa
15:12	4,691	397	1 AP		Mikasa
15:13	4,681	35	2 AP		Mikasa
15:14	4,605	-43	1 AP		Mikasa
15:15	4,537	-27	1 AP		Mikasa
15:16	4,328	-166	1 AP		Mikasa
15:17	4,578	79	1 AP		Mikasa
15:18	4,633	68	1 AP		Mikasa
15:19	4,701	68	2 AP		Mikasa
15:20	4,769	68	2 AP		Mikasa
15:21	4,837	68	2 AP		Mikasa
15:22	5,061	225	2 AP		Mikasa
15:23	5,288	229	2 AP		Mikasa
15:24	5,527	240	2 AP		Mikasa
15:25	5,771	245	2 AP		Mikasa
15:26	6,018	247	2 AP		Mikasa
15:27	6,257	240	2 AP		Mikasa
15:28	6,504	248	2 AP		Mikasa
15:29	6,752	248	2 AP		Mikasa
15:30	7,081	258	1 AP		Mikasa
15:31	7,338	258	1 AP	1 hit	Mikasa
15:32	7,644	306	1 AP		Mikasa
15:33	7,964	320	1 AP		Mikasa
15:34	8,285	320	1 AP		Mikasa
15:35	8,606	321	1 AP		Mikasa
15:36	8,927	321	1 AP		Mikasa
15:37	9,443	530	1 AP		Mikasa
15:38	8,374	11	1 AP		Fuji
15:39	8,388	15	1 AP		Fuji
15:40	8,407	22	1 AP		Fuji
15:41	8,431	26	1 AP		Fuji
15:42	8,699	278	1 AP		Fuji
15:43	9,105	406	1 AP		Fuji
22.9cm/35 Secondary Total 143 shells 2 hits 1.4%					

2nd Pacific Squadron, GenAdm Graf Apraxine

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:57	10,959	-773	2 HE		Shikisima
13:59	9,557	-645	3 HE		Shikisima
14:01	8,238	-589	4 HE		Shikisima
14:02	7,652	-553	2 HE		Shikisima
14:03	7,088	-536	2 AP		Shikisima
14:04	6,595	-444	1 AP		Shikisima
14:05	6,195	-345	4 AP		Shikisima
14:06	5,905	-226	2 AP		Shikisima
14:07	5,743	-80	2 AP		Shikisima
14:08	5,433	-311	1 AP		Shikisima
14:09	5,176	27	1 AP		Shikisima
14:11	5,196	124	1 HE		Shikisima
14:12	5,323	218	1 AP		Shikisima
14:13	5,307	-25	1 AP		Shikisima
14:15	4,484	-352	4 AP		Mikasa
14:16	4,176	-252	1 AP		Mikasa
14:17	3,987	-111	3 AP	1 hit	Mikasa
14:18	3,954	37	2 AP		Mikasa
14:20	4,328	341	1 AP		Mikasa
14:21	4,731	451	1 AP		Mikasa
14:23	4,623	-9	1 HE		Mikasa
14:24	4,626	-30	1 AP		Mikasa
14:25	4,600	-22	1 AP		Mikasa
14:27	4,520	-29	1 AP		Mikasa
14:28	4,499	-12	1 AP		Mikasa
14:29	4,462	-29	1 AP		Mikasa
14:31	4,433	3	1 AP		Mikasa
14:32	4,610	197	1 AP		Mikasa
14:33	4,819	223	1 AP		Mikasa
14:34	4,904	43	3 AP		Mikasa
14:35	4,934	32	1 AP		Mikasa
14:36	4,969	37	4 AP	1 hit	Mikasa
14:37	5,472	503	2 AP		Mikasa
14:38	5,917	445	2 AP		Mikasa
14:40	5,997	5	3 HE		Mikasa
14:42	6,004	83	4 HE		Mikasa
14:43	6,066	145	2 AP		Mikasa
14:44	6,385	193	3 AP		Mikasa
14:45	6,590	193	1 AP		Mikasa
14:46	6,794	193	1 AP		Mikasa
14:47	6,761	-43	3 AP		Mikasa
14:48	6,711	-50	1 AP		Mikasa
14:49	6,660	-50	2 AP		Mikasa
14:50	6,619	-41	1 AP		Mikasa
14:51	6,578	-119	4 AP		Mikasa
14:52	6,565	41	2 AP	1 hit	Mikasa
14:53	6,615	51	2 AP		Mikasa
14:54	6,667	53	1 AP		Mikasa
14:55	6,711	36	4 AP		Mikasa
14:56	6,633	-195	2 AP		Mikasa
14:57	6,503	-156	2 AP		Mikasa
14:59	6,221	-157	3 HE		Mikasa
15:01	5,996	-132	3 HE		Mikasa
15:03	5,084	-445	3 AP	1 hit	Mikasa
15:04	4,834	-74	1 AP		Mikasa
15:05	4,775	-58	4 AP		Mikasa
15:06	4,711	-64	2 AP		Mikasa
15:07	4,645	-66	2 AP		Mikasa
15:08	4,576	-77	1 AP		Mikasa
15:09	4,496	-79	4 AP		Mikasa
15:10	4,417	-79	2 AP		Mikasa
15:11	4,339	-78	2 AP		Mikasa
15:12	4,539	81	1 AP		Shikisima
15:13	4,147	392	1 AP		Mikasa
15:14	4,417	183	4 AP	1 hit	Mikasa
15:15	4,619	86	2 AP		Mikasa
15:16	4,491	-87	1 AP		Mikasa
15:17	4,658	210	3 AP	1 hit	Mikasa
15:18	4,828	-121	1 AP		Mikasa

15:19	4,892	64	2 AP	Mikasa
15:20	4,957	64	1 AP	Mikasa
15:21	5,021	65	4 AP	Mikasa
15:22	5,116	145	2 AP	Mikasa
15:23	5,255	183	2 AP	Mikasa
15:24	5,438	248	1 AP	Mikasa
15:25	5,687	280	4 AP	Mikasa
15:26	5,968	238	2 AP	Mikasa
15:27	6,161	212	2 AP	Mikasa
15:28	6,376	221	1 AP	Mikasa
15:29	6,620	241	4 AP	Mikasa
15:30	6,854	218	2 AP	Mikasa
15:31	7,073	212	2 AP	Mikasa
15:32	7,320	286	1 AP	Mikasa
15:33	7,623	315	4 AP	Mikasa
15:34	7,937	325	1 AP	Mikasa
15:35	8,275	337	2 HE	Mikasa
15:36	8,624	349	3 HE	Mikasa
15:37	9,132	525	1 HE	Mikasa
15:38	8,857	562	1 HE	Kasuga
15:40	10,111	651	1 HE	Kasuga
15:41	10,763	655	1 HE	Kasuga
15:42	11,411	654	1 HE	Kasuga
254mm/45 Primary Total			183 shells 6 hits	3.3%

2nd Pacific Squadron, GenAdm Graf Apraxine, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:57	10,959	-773	1 HE		Shikisima
13:58	10,271	-727	1 HE		Shikisima
13:59	9,557	-645	1 HE		Shikisima
14:00	8,876	-632	1 HE		Shikisima
14:01	8,238	-589	2 HE		Shikisima
14:02	7,652	-553	2 HE	1 hit	Shikisima
14:03	7,088	-536	2 HE		Shikisima
14:04	6,595	-444	2 HE		Shikisima
14:05	6,195	-345	3 HE		Shikisima
14:06	5,905	-226	5 HE	1 hit	Shikisima
14:07	5,743	-80	5 HE		Shikisima
14:08	5,433	-311	6 HE	1 hit	Shikisima
14:09	5,176	27	2 HE		Shikisima
14:10	5,138	48	3 HE		Shikisima
14:11	5,196	124	3 HE		Shikisima
14:12	5,323	218	3 HE		Shikisima
14:13	5,307	-25	3 HE		Shikisima
14:14	4,823	-13	4 HE		Mikasa
14:15	4,484	-352	5 HE		Mikasa
14:16	4,176	-252	8 HE		Mikasa
14:17	3,987	-111	4 HE		Mikasa
14:18	3,954	37	5 HE		Mikasa
14:19	4,071	210	4 HE		Mikasa
14:20	4,328	341	4 HE		Mikasa
14:21	4,731	451	3 HE		Mikasa
14:22	4,639	-87	4 HE	1 hit	Mikasa
14:23	4,623	-9	4 HE		Mikasa
14:24	4,626	-30	3 HE		Mikasa
14:25	4,600	-22	3 HE	1 hit	Mikasa
14:26	4,554	-42	4 HE		Mikasa
14:27	4,520	-29	4 HE	1 hit	Mikasa
14:28	4,499	-12	3 HE		Mikasa
14:29	4,462	-29	4 HE		Mikasa
14:30	4,440	-15	4 HE		Mikasa
14:31	4,433	3	4 HE		Mikasa
14:32	4,610	197	3 HE		Mikasa
14:33	4,819	223	3 HE		Mikasa
14:34	4,904	43	3 HE		Mikasa
14:35	4,934	32	3 HE	1 hit	Mikasa
14:36	4,969	37	3 HE		Mikasa
14:37	5,472	503	3 HE		Mikasa
14:38	5,917	445	3 HE		Mikasa
14:39	5,993	-49	1 HE		Mikasa
14:40	5,997	5	3 HE		Mikasa
14:41	5,999	4	2 HE		Mikasa
14:42	6,004	83	2 HE		Mikasa
14:43	6,066	145	2 HE		Mikasa
14:44	6,385	193	5 HE		Mikasa
14:45	6,590	193	4 HE		Mikasa
14:46	6,794	193	5 HE		Mikasa
14:47	6,761	-43	1 HE		Mikasa
14:48	6,711	-50	2 HE		Mikasa
14:49	6,660	-50	2 HE		Mikasa
14:50	6,619	-41	3 HE		Mikasa
14:51	6,578	-119	1 HE		Mikasa
14:52	6,565	41	4 HE		Mikasa
14:53	6,615	51	5 HE		Mikasa
14:54	6,667	53	4 HE		Mikasa
14:55	6,711	36	4 HE	1 hit	Mikasa
14:56	6,633	-195	2 HE		Mikasa
14:57	6,503	-156	2 HE		Mikasa
14:58	6,355	-141	2 HE		Mikasa
14:59	6,221	-157	3 HE		Mikasa
15:00	6,101	-147	2 HE		Mikasa
15:01	5,996	-132	3 HE		Mikasa
15:02	5,542	-474	3 HE		Mikasa
15:03	5,084	-445	3 HE		Mikasa
15:04	4,834	-74	4 HE		Mikasa
15:05	4,775	-58	6 HE		Mikasa

15:06	4,711	-64	7 HE		Mikasa
15:07	4,645	-66	7 HE		Mikasa
15:08	4,576	-77	8 HE		Mikasa
15:09	4,496	-79	8 HE		Mikasa
15:10	4,417	-79	8 HE		Mikasa
15:11	4,339	-78	8 HE	1 hit	Mikasa
15:12	4,539	81	4 HE		Shikisima
15:13	4,147	392	1 HE		Mikasa
15:14	4,417	183	3 HE		Mikasa
15:15	4,619	86	5 HE		Mikasa
15:16	4,491	-87	3 HE		Mikasa
15:17	4,658	210	7 HE		Mikasa
15:18	4,828	-121	1 HE		Mikasa
15:19	4,892	64	3 HE		Mikasa
15:20	4,957	64	3 HE		Mikasa
15:21	5,021	65	3 HE		Mikasa
15:22	5,116	145	7 HE		Mikasa
15:23	5,255	183	5 HE		Mikasa
15:24	5,438	248	6 HE		Mikasa
15:25	5,687	280	5 HE		Mikasa
15:26	5,968	238	5 HE	1 hit	Mikasa
15:27	6,161	212	5 HE		Mikasa
15:28	6,376	221	5 HE		Mikasa
15:29	6,620	241	5 HE		Mikasa
15:30	6,854	218	3 HE		Mikasa
15:31	7,073	212	4 HE		Mikasa
15:32	7,320	286	4 HE		Mikasa
15:33	7,623	315	4 HE		Mikasa
15:34	7,937	325	1 HE		Mikasa
15:35	8,275	337	2 HE		Mikasa
15:36	8,624	349	1 HE		Mikasa
15:37	9,132	525	1 HE		Mikasa
15:38	8,857	562	1 HE		Kasuga
15:39	9,464	609	1 HE		Kasuga
15:40	10,111	651	1 HE		Kasuga
15:41	10,763	655	1 HE		Kasuga
120mm/45 Secondary Total 366 shells 10 hits 2.7%					

2nd Pacific Squadron, Admiral Seniavin

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:57	11,852	-745	2 HE		Fuji
13:59	10,353	-736	2 HE		Fuji
14:00	9,636	-645	2 HE		Fuji
14:01	8,951	-642	1 HE		Fuji
14:02	7,636	-575	3 HE		Mikasa
14:03	7,067	-536	2 HE		Mikasa
14:04	6,573	-457	3 HE		Mikasa
14:05	6,171	-345	3 AP		Mikasa
14:06	5,880	-226	3 AP		Mikasa
14:07	5,401	-432	3 AP		Mikasa
14:08	5,036	-319	3 AP		Mikasa
14:09	4,751	-131	3 AP		Mikasa
14:10	4,684	55	2 AP		Mikasa
14:11	5,053	62	2 AP		Fuji
14:12	5,098	141	2 AP		Fuji
14:14	5,244	-25	3 HE		Fuji
14:16	4,892	-413	5 HE		Fuji
14:17	4,519	-325	2 AP		Fuji
14:18	4,257	-204	5 AP		Fuji
14:20	4,143	113	6 HE		Fuji
14:22	4,644	379	3 AP		Fuji
14:24	5,124	-83	3 AP		Fuji
14:26	5,015	-26	3 HE		Fuji
14:28	4,917	-38	3 HE		Fuji
14:30	4,806	-12	3 AP		Fuji
14:32	4,750	-15	3 AP	1 hit	Fuji
14:34	4,939	190	3 AP		Fuji
14:35	5,017	34	3 AP		Fuji
14:36	5,035	21	3 AP		Fuji
14:37	5,059	26	3 AP		Fuji
14:38	5,106	499	3 AP		Fuji
14:39	5,570	446	2 AP		Fuji
14:40	5,779	-54	2 AP		Fuji
14:41	5,769	-2	2 AP		Fuji
14:42	5,763	44	3 AP		Fuji
14:43	5,808	67	3 AP		Fuji
14:44	5,855	66	3 AP		Fuji
14:45	6,086	195	3 AP		Fuji
14:46	6,290	195	3 AP	1 hit	Fuji
14:47	6,495	195	3 AP		Fuji
14:48	6,905	-47	3 AP		Mikasa
14:49	6,859	-47	3 AP		Mikasa
14:50	6,823	-35	3 AP		Mikasa
14:51	6,788	-73	3 AP		Mikasa
14:52	6,707	46	3 AP		Mikasa
14:53	6,753	46	3 AP		Mikasa
14:54	6,624	42	3 AP		Shikisima
14:55	6,667	43	2 AP		Shikisima
14:56	6,711	36	5 AP		Shikisima
14:57	6,751	-195	2 AP		Shikisima
14:59	6,448	-141	3 HE		Shikisima
15:01	6,196	-142	3 HE	1 hit	Shikisima
15:03	5,615	-474	3 AP		Shikisima
15:05	4,862	-73	6 HE		Shikisima
15:07	4,449	-329	5 AP		Shikisima
15:08	4,422	9	2 AP		Shikisima
15:09	4,557	153	4 AP		Shikisima
15:10	4,542	-10	2 AP		Shikisima
15:11	4,394	-138	5 AP		Shikisima
15:13	4,466	307	3 HE		Shikisima
15:14	4,715	167	2 AP		Shikisima
15:15	4,826	-122	5 AP		Shikisima
15:16	4,570	-192	2 AP		Shikisima
15:17	4,323	-225	3 AP	1 hit	Shikisima
15:18	4,071	-260	2 AP		Shikisima
15:19	4,090	21	5 AP		Shikisima
15:20	4,111	23	2 AP		Shikisima
15:21	4,135	24	3 AP	1 hit	Shikisima
15:22	4,190	89	3 AP	1 hit	Shikisima

15:23	4,291	120	3 AP	1 hit	Shikisima
15:24	4,413	158	3 AP	1 hit	Shikisima
15:25	4,558	181	3 AP		Shikisima
15:26	4,739	198	3 AP		Shikisima
15:27	4,959	235	3 AP		Shikisima
15:28	5,194	241	3 AP		Shikisima
15:29	5,435	241	3 AP		Shikisima
15:31	5,875	222	2 AP		Shikisima
15:32	5,921	68	2 AP		Shikisima
15:33	6,218	311	2 AP		Shikisima
15:35	6,865	343	3 AP		Shikisima
15:37	7,786	531	3 HE		Shikisima
15:39	8,503	267	3 HE		Shikisima
15:41	9,886	713	3 HE		Nisshin
15:43	11,184	714	2 HE		Nisshin
15:44	11,836	719	1 HE		Nisshin
15:45	12,495	729	1 HE		Nisshin
15:46	13,160	734	1 HE		Nisshin
254mm/45 Primary Total			251 shells	8 hits	3.2%

2nd Pacific Squadron, Admiral Seniavin, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:58	11,078	-773	1 HE		Fuji
13:59	10,353	-736	1 HE		Fuji
14:00	9,636	-645	1 HE		Fuji
14:01	8,951	-642	1 HE		Fuji
14:02	7,636	-575	2 HE		Mikasa
14:03	7,067	-536	2 HE		Mikasa
14:04	6,573	-457	2 HE		Mikasa
14:05	6,171	-345	3 HE		Mikasa
14:06	5,880	-226	4 HE		Mikasa
14:07	5,401	-432	7 HE		Mikasa
14:08	5,036	-319	6 HE		Mikasa
14:09	4,751	-131	4 HE	2 hits	Mikasa
14:10	4,684	55	3 HE	1 hit	Mikasa
14:11	5,053	62	4 HE		Fuji
14:12	5,098	141	3 HE		Fuji
14:13	5,275	218	3 HE		Fuji
14:14	5,244	-25	3 HE		Fuji
14:15	5,199	-1	2 HE		Fuji
14:16	4,892	-413	4 HE		Fuji
14:17	4,519	-325	7 HE	1 hit	Fuji
14:18	4,257	-204	8 HE		Fuji
14:19	4,128	-58	4 HE		Fuji
14:20	4,143	113	4 HE		Fuji
14:21	4,326	250	4 HE		Fuji
14:22	4,644	379	4 HE		Fuji
14:23	5,071	474	3 HE	2 hits	Fuji
14:24	5,124	-83	2 HE		Fuji
14:25	5,080	-6	3 HE		Fuji
14:26	5,015	-26	3 HE		Fuji
14:27	4,960	-18	4 HE		Fuji
14:28	4,917	-38	3 HE		Fuji
14:29	4,854	-25	3 HE		Fuji
14:30	4,806	-12	4 HE		Fuji
14:31	4,771	-29	3 HE		Fuji
14:32	4,750	-15	4 HE		Fuji
14:33	4,763	162	3 HE		Fuji
14:34	4,939	190	3 HE		Fuji
14:35	5,017	34	4 HE		Fuji
14:36	5,035	21	3 HE		Fuji
14:37	5,059	26	3 HE	1 hit	Fuji
14:38	5,106	499	3 HE		Fuji
14:39	5,570	446	3 HE		Fuji
14:40	5,779	-54	2 HE		Fuji
14:41	5,769	-2	2 HE	1 hit	Fuji
14:42	5,763	44	2 HE		Fuji
14:43	5,808	67	2 HE		Fuji
14:44	5,855	66	3 HE		Fuji
14:45	6,086	195	5 HE		Fuji
14:46	6,290	195	4 HE		Fuji
14:47	6,495	195	4 HE		Fuji
14:48	6,905	-47	2 HE		Mikasa
14:49	6,859	-47	2 HE		Mikasa
14:50	6,823	-35	2 HE		Mikasa
14:51	6,788	-73	2 HE		Mikasa
14:52	6,707	46	4 HE		Mikasa
14:53	6,753	46	4 HE		Mikasa
14:54	6,624	42	4 HE		Shikisima
14:55	6,667	43	4 HE		Shikisima
14:56	6,711	36	5 HE		Shikisima
14:57	6,751	-195	1 HE		Shikisima
14:58	6,593	-151	3 HE		Shikisima
14:59	6,448	-141	2 HE		Shikisima
15:00	6,315	-157	2 HE		Shikisima
15:01	6,196	-142	2 HE		Shikisima
15:02	6,073	-151	3 HE		Shikisima
15:03	5,615	-474	3 HE		Shikisima
15:04	5,151	-445	3 HE		Shikisima
15:05	4,862	-73	4 HE		Shikisima
15:06	4,797	-70	7 HE		Shikisima

15:07	4,449	-329	8 HE	1 hit	Shikisima
15:08	4,422	9	8 HE	2 hits	Shikisima
15:09	4,557	153	5 HE		Shikisima
15:10	4,542	-10	8 HE		Shikisima
15:11	4,394	-138	8 HE		Shikisima
15:12	4,411	43	6 HE		Shikisima
15:13	4,466	307	3 HE		Shikisima
15:14	4,715	167	2 HE		Shikisima
15:15	4,826	-122	5 HE		Shikisima
15:16	4,570	-192	3 HE		Shikisima
15:17	4,323	-225	4 HE	1 hit	Shikisima
15:18	4,071	-260	2 HE	1 hit	Shikisima
15:19	4,090	21	6 HE		Shikisima
15:20	4,111	23	8 HE	1 hit	Shikisima
15:21	4,135	24	8 HE		Shikisima
15:22	4,190	89	8 HE	2 hits	Shikisima
15:23	4,291	120	8 HE		Shikisima
15:24	4,413	158	4 HE		Shikisima
15:25	4,558	181	4 HE		Shikisima
15:26	4,739	198	3 HE		Shikisima
15:27	4,959	235	3 HE		Shikisima
15:28	5,194	241	4 HE	1 hit	Shikisima
15:29	5,435	241	2 HE		Shikisima
15:30	5,653	222	3 HE		Shikisima
15:31	5,875	222	3 HE	1 hit	Shikisima
15:32	5,921	68	2 HE		Shikisima
15:33	6,218	311	3 HE	1 hit	Shikisima
15:34	6,530	321	2 HE		Shikisima
15:35	6,865	343	3 HE	1 hit	Shikisima
15:36	7,255	397	2 HE		Shikisima
15:37	7,786	531	1 HE		Shikisima
15:38	8,236	308	2 HE		Shikisima
15:39	8,503	267	1 HE		Shikisima
15:40	8,762	259	2 HE		Shikisima
15:41	9,886	713	1 HE		Nisshin
15:42	10,603	714	1 HE		Nisshin
120mm/45 Secondary Total 370 shells 20 hits 5.4%					

2nd Pacific Squadron, Admiral Ushakov

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:57	12,715	-745	1 HE		Asahi
13:58	11,970	-745	1 HE		Asahi
13:59	11,196	-773	2 HE		Asahi
14:01	9,715	-654	3 HE		Asahi
14:03	8,378	-600	3 HE		Asahi
14:04	7,779	-565	2 HE		Asahi
14:05	7,207	-548	3 HE		Asahi
14:06	6,696	-471	3 AP		Asahi
14:07	6,273	-374	3 AP		Asahi
14:08	5,957	-256	3 AP		Asahi
14:09	5,766	-58	3 AP		Asahi
14:10	5,530	-255	3 AP		Asahi
14:11	5,326	-108	3 AP		Asahi
14:12	4,971	51	3 AP		Asahi
14:14	5,168	177	2 HE		Asahi
14:15	5,120	-31	2 AP		Asahi
14:16	5,072	-7	2 AP		Asahi
14:17	4,889	-437	3 AP		Asahi
14:18	4,503	-337	3 AP		Asahi
14:19	4,225	-217	3 AP		Asahi
14:20	4,079	-71	3 AP		Asahi
14:21	4,100	99	3 AP		Asahi
14:22	4,274	250	3 AP		Asahi
14:24	5,048	474	3 AP		Asahi
14:26	5,016	-6	2 HE		Asahi
14:27	4,950	-30	2 AP		Asahi
14:28	4,894	-18	2 AP		Asahi
14:30	4,758	-25	3 AP		Asahi
14:32	4,675	-29	3 HE	2 hits	Asahi
14:34	4,680	162	3 AP		Asahi
14:36	4,950	39	6 AP		Asahi
14:38	4,999	29	4 AP		Asahi
14:39	5,039	501	4 AP		Asahi
14:40	5,503	446	4 AP		Asahi
14:42	5,870	31	6 HE		Asahi
14:44	5,940	47	6 HE	1 hit	Asahi
14:46	6,116	194	6 AP	1 hit	Asahi
14:48	6,515	204	6 AP		Asahi
14:50	6,650	-47	6 HE		Asahi
14:52	6,382	30	6 HE	1 hit	Asahi
14:54	6,458	38	6 AP	1 hit	Asahi
14:56	6,536	39	6 AP		Asahi
14:58	6,662	-180	3 HE		Asahi
15:00	6,323	-186	3 HE		Asahi
15:02	6,018	-178	2 HE		Asahi
15:03	5,844	-169	2 AP		Asahi
15:04	5,682	-156	2 AP	1 hit	Asahi
15:06	4,874	-75	6 AP		Asahi
15:08	4,733	-69	6 AP		Asahi
15:10	4,582	-75	6 AP		Asahi
15:12	4,432	-60	6 AP	2 hits	Asahi
15:14	4,482	268	3 AP		Asahi
15:15	4,704	196	3 AP		Asahi
15:16	4,671	23	3 AP	1 hit	Asahi
15:17	4,444	84	2 AP		Asahi
15:18	4,531	133	5 AP		Asahi
15:19	4,701	-118	2 AP	1 hit	Asahi
15:20	4,765	64	3 AP		Asahi
15:21	4,828	64	3 AP		Asahi
15:22	4,899	94	3 AP	1 hit	Asahi
15:23	4,982	90	3 AP		Asahi
15:24	5,072	112	3 AP		Asahi
15:25	5,193	152	3 AP	1 hit	Asahi
15:26	5,346	159	3 AP		Asahi
15:27	5,597	293	3 AP		Asahi
15:28	5,891	302	3 AP		Asahi
15:29	6,169	287	3 AP	1 hit	Asahi
15:30	6,731	200	3 AP		Mikasa
15:31	6,932	208	3 AP		Mikasa

15:32	7,181	272	3 AP	Mikasa
15:34	6,143	298	3 AP	Shikisima
15:36	6,791	340	3 AP	Shikisima
15:38	7,622	336	3 HE	Shikisima
15:40	8,297	261	3 HE	Shikisima
15:42	10,279	714	2 HE	Izumo
15:43	11,005	733	2 HE	Izumo
15:44	11,743	741	1 HE	Izumo
254mm/45 Primary Total			254 shells 14 hits	5.5%

2nd Pacific Squadron, Admiral Ushakov, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:59	11,196	-773	1 HE		Asahi
14:00	10,435	-736	1 HE		Asahi
14:01	9,715	-654	1 HE		Asahi
14:02	9,026	-642	2 HE		Asahi
14:03	8,378	-600	1 HE		Asahi
14:04	7,779	-565	2 HE		Asahi
14:05	7,207	-548	1 HE		Asahi
14:06	6,696	-471	2 HE		Asahi
14:07	6,273	-374	3 HE		Asahi
14:08	5,957	-256	5 HE		Asahi
14:09	5,766	-58	5 HE		Asahi
14:10	5,530	-255	6 HE		Asahi
14:11	5,326	-108	3 HE		Asahi
14:12	4,971	51	3 HE		Asahi
14:13	5,031	102	3 HE		Asahi
14:14	5,168	177	3 HE		Asahi
14:15	5,120	-31	3 HE		Asahi
14:16	5,072	-7	3 HE		Asahi
14:17	4,889	-437	4 HE		Asahi
14:18	4,503	-337	8 HE		Asahi
14:19	4,225	-217	8 HE		Asahi
14:20	4,079	-71	4 HE		Asahi
14:21	4,100	99	4 HE		Asahi
14:22	4,274	250	4 HE		Asahi
14:23	4,586	367	3 HE		Asahi
14:24	5,048	474	3 HE		Asahi
14:25	5,093	-83	3 HE		Asahi
14:26	5,016	-6	3 HE		Asahi
14:27	4,950	-30	3 HE		Asahi
14:28	4,894	-18	3 HE		Asahi
14:29	4,819	-38	4 HE	1 hit	Asahi
14:30	4,758	-25	3 HE		Asahi
14:31	4,709	-12	4 HE	1 hit	Asahi
14:32	4,675	-29	3 HE		Asahi
14:33	4,656	-10	4 HE		Asahi
14:34	4,680	162	3 HE		Asahi
14:35	4,860	197	4 HE		Asahi
14:36	4,950	39	3 HE		Asahi
14:37	4,972	24	3 HE		Asahi
14:38	4,999	29	4 HE		Asahi
14:39	5,039	501	3 HE		Asahi
14:40	5,503	446	3 HE		Asahi
14:41	5,853	-54	1 HE		Asahi
14:42	5,870	31	2 HE		Asahi
14:43	5,899	40	3 HE		Asahi
14:44	5,940	47	2 HE		Asahi
14:45	5,965	30	2 HE		Asahi
14:46	6,116	194	4 HE		Asahi
14:47	6,321	204	5 HE		Asahi
14:48	6,515	204	4 HE		Asahi
14:49	6,709	195	4 HE		Asahi
14:50	6,650	-47	5 HE		Asahi
14:51	6,603	-81	2 HE		Asahi
14:52	6,382	30	4 HE		Asahi
14:53	6,419	38	5 HE		Asahi
14:54	6,458	38	4 HE		Asahi
14:55	6,497	39	5 HE		Asahi
14:56	6,536	39	4 HE		Asahi
14:57	6,847	-217	2 HE		Asahi
14:58	6,662	-180	2 HE		Asahi
14:59	6,486	-171	2 HE		Asahi
15:00	6,323	-186	3 HE		Asahi
15:01	6,172	-177	2 HE		Asahi
15:02	6,018	-178	3 HE		Asahi
15:03	5,844	-169	2 HE		Asahi
15:04	5,682	-156	2 HE		Asahi
15:05	5,265	-487	4 HE		Asahi
15:06	4,874	-75	4 HE	1 hit	Asahi
15:07	4,803	-66	8 HE		Asahi

15:08	4,733	-69	7 HE		Asahi
15:09	4,657	-69	6 HE		Asahi
15:10	4,582	-75	6 HE	1 hit	Asahi
15:11	4,507	-75	8 HE	2 hits	Asahi
15:12	4,432	-60	6 HE		Asahi
15:13	4,371	119	8 HE	3 hits	Asahi
15:14	4,482	268	3 HE	1 hit	Asahi
15:15	4,704	196	1 HE		Asahi
15:16	4,671	23	6 HE	1 hit	Asahi
15:17	4,444	84	7 HE		Asahi
15:18	4,531	133	7 HE		Asahi
15:19	4,701	-118	1 HE		Asahi
15:20	4,765	64	3 HE		Asahi
15:21	4,828	64	4 HE		Asahi
15:22	4,899	94	3 HE		Asahi
15:23	4,982	90	7 HE		Asahi
15:24	5,072	112	6 HE		Asahi
15:25	5,193	152	7 HE		Asahi
15:26	5,346	159	5 HE		Asahi
15:27	5,597	293	6 HE	1 hit	Asahi
15:28	5,891	302	5 HE		Asahi
15:29	6,169	287	5 HE		Asahi
15:30	6,731	200	4 HE		Mikasa
15:31	6,932	208	4 HE		Mikasa
15:32	7,181	272	4 HE		Mikasa
15:33	5,853	286	3 HE		Shikisima
15:34	6,143	298	3 HE		Shikisima
15:35	6,458	323	2 HE		Shikisima
15:36	6,791	340	3 HE		Shikisima
15:37	7,286	496	2 HE		Shikisima
15:38	7,622	336	1 HE		Shikisima
15:39	8,036	300	2 HE		Shikisima
15:40	8,297	261	2 HE		Shikisima
15:41	8,558	262	2 HE		Shikisima
15:42	10,279	714	1 HE		Izumo
120mm/45 Secondary Total 379 shells 12 hits 3.2%					

2nd Pacific Squadron, Bogatyr

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:54	13,175	-775	1 HE		Kasuga
13:57	11,073	-565	1 HE		Kasuga
13:58	10,533	-518	1 HE		Kasuga
14:00	9,598	-416	6 HE		Kasuga
14:01	9,218	-348	7 HE		Kasuga
14:02	8,619	-578	6 HE		Kasuga
14:03	8,096	-516	10 HE		Kasuga
14:04	7,616	-437	13 HE		Kasuga
14:05	7,215	-353	13 HE	1 hit	Kasuga
14:06	6,891	-306	13 HE		Kasuga
14:07	6,426	-421	11 HE		Kasuga
14:08	6,068	-342	17 HE	1 hit	Kasuga
14:09	5,784	-230	18 HE	1 hit	Kasuga
14:10	5,615	-114	17 HE		Kasuga
14:11	5,480	-353	19 HE	1 hit	Kasuga
14:12	5,306	-114	18 HE		Kasuga
14:13	5,260	24	20 HE	1 hit	Kasuga
14:14	5,361	177	19 HE	1 hit	Kasuga
14:15	5,601	311	17 HE		Kasuga
14:16	5,813	34	13 HE		Kasuga
14:17	5,910	132	12 HE		Kasuga
14:18	6,074	221	13 HE		Kasuga
14:19	6,337	308	9 HE		Kasuga
14:20	6,676	378	8 HE		Kasuga
14:21	7,079	434	3 HE		Kasuga
14:22	7,522	453	3 HE		Kasuga
14:23	7,951	465	7 HE		Kasuga
14:24	8,425	483	6 HE	1 hit	Kasuga
14:25	8,912	493	4 HE		Kasuga
14:26	9,256	-24	1 HE		Kasuga
14:27	9,234	44	1 HE		Kasuga
14:28	9,151	14	1 HE		Kasuga
14:29	9,071	-16	1 HE		Kasuga
14:30	8,962	-42	2 HE		Kasuga
14:31	8,857	-71	1 HE		Kasuga
14:32	8,787	-68	1 HE	1 hit	Kasuga
14:33	8,721	-65	1 HE		Kasuga
14:34	8,658	-61	2 HE		Kasuga
14:35	8,551	-56	1 HE		Kasuga
14:36	8,150	-401	1 HE		Kasuga
14:37	7,645	-533	10 HE	1 hit	Kasuga
14:38	7,098	-547	12 HE		Kasuga
14:39	6,551	-109	15 HE		Kasuga
14:40	6,004	-501	17 HE		Kasuga
14:41	5,877	-123	15 HE		Kasuga
14:42	5,985	108	18 HE		Kasuga
14:43	6,094	113	20 HE		Kasuga
14:44	6,212	118	19 HE		Kasuga
14:45	6,335	124	18 HE		Kasuga
14:46	6,458	124	18 HE		Kasuga
14:47	6,369	-89	14 HE	3 hits	Kasuga
14:48	6,280	-88	18 HE	2 hits	Kasuga
14:49	6,194	-86	18 HE		Kasuga
14:50	6,108	-84	19 HE		Kasuga
14:51	5,885	-351	19 HE		Kasuga
14:52	5,544	-350	20 HE		Kasuga
14:53	5,186	-348	19 HE		Kasuga
14:54	4,840	-346	24 HE		Kasuga
14:55	4,496	-342	27 HE	1 hit	Kasuga
14:56	4,155	-340	25 HE	1 hit	Kasuga
14:57	4,296	143	20 HE	2 hits	Kasuga
14:58	4,408	149	29 HE	2 hits	Kasuga
14:59	4,558	151	27 HE		Kasuga
15:00	4,711	153	27 HE	2 hits	Kasuga
15:01	4,866	157	25 SAP	2 hits	Kasuga
15:02	5,044	179	25 SAP	6 hits	Kasuga
15:03	5,225	181	23 SAP	1 hit	Kasuga
15:04	5,408	183	23 SAP	1 hit	Kasuga
15:05	5,591	184	21 SAP	1 hit	Kasuga

15:06	5,703	-147	18	SAP		Kasuga
15:07	5,675	-51	21	SAP		Kasuga
15:08	5,647	-28	19	SAP		Kasuga
15:09	5,667	-3	19	SAP		Kasuga
15:10	5,713	22	19	SAP	1 hit	Kasuga
15:11	5,735	23	19	SAP		Kasuga
15:12	5,763	29	19	SAP	1 hit	Kasuga
15:13	5,792	30	19	SAP	2 hits	Kasuga
15:14	5,822	31	16	SAP	1 hit	Kasuga
15:15	5,853	31	12	SAP		Kasuga
15:16	5,885	32	15	SAP		Kasuga
15:17	5,932	47	15	SAP		Kasuga
15:18	5,954	22	15	SAP	1 hit	Kasuga
15:19	5,977	24	13	SAP		Kasuga
15:20	1,788	-809	23	SAP		JA 1st DD
15:21	1,022	-692	33	SAP		JA 1st DD
15:22	792	7	4	SAP		JA 2nd DD
15:23	619	-32	34	HE	3 hits	JA 2nd DD
15:24	568	147	34	HE	4 hits	JA 3rd DD
15:25	2,205	-239	4	SAP	1 hit	JA 5th DD
15:26	2,069	-95	10	SAP		JA 5th DD
15:27	7,602	474	1	AP		Kasuga
15:28	7,725	138	1	SAP		Kasuga
15:29	7,802	108	11	SAP		Kasuga
15:30	7,910	108	9	SAP		Kasuga
15:31	8,002	71	10	SAP		Kasuga
15:32	7,939	-45	1	SAP		Kasuga
15:33	8,384	468	1	SAP		Kasuga
15:34	8,962	579	2	SAP		Kasuga
15:35	9,101	139	1	AP		Kasuga
15:36	9,224	124	1	AP		Kasuga
15:37	9,986	762	1	AP		Kasuga
15:39	11,293	656	1	AP		Kasuga
15:41	12,741	724	1	AP		Kasuga
152mm/45 Primary Total 1325 shells 47 hits						3.5%

2nd Pacific Squadron, Bogatyr, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:03	8,096	-516	5 HE		Kasuga
14:04	7,616	-437	7 HE		Kasuga
14:05	7,215	-353	7 HE		Kasuga
14:06	6,891	-306	8 HE		Kasuga
14:07	6,426	-421	7 HE		Kasuga
14:08	6,068	-342	10 HE		Kasuga
14:09	5,784	-230	11 HE		Kasuga
14:10	5,615	-114	11 HE		Kasuga
14:11	5,480	-353	10 HE		Kasuga
14:12	5,306	-114	14 HE		Kasuga
14:13	5,260	24	14 HE		Kasuga
14:14	5,361	177	12 HE		Kasuga
14:15	5,601	311	9 HE	1 hit	Kasuga
14:16	5,813	34	8 HE		Kasuga
14:17	5,910	132	8 HE	1 hit	Kasuga
14:18	6,074	221	8 HE		Kasuga
14:19	6,337	308	8 HE		Kasuga
14:20	6,676	378	8 HE		Kasuga
14:21	7,079	434	1 HE		Kasuga
14:22	7,522	453	1 HE		Kasuga
14:23	7,951	465	6 HE		Kasuga
14:36	8,150	-401	1 HE		Kasuga
14:37	7,645	-533	6 HE		Kasuga
14:38	7,098	-547	7 HE		Kasuga
14:39	6,551	-109	8 HE		Kasuga
14:40	6,004	-501	10 HE		Kasuga
14:41	5,877	-123	8 HE		Kasuga
14:42	5,985	108	12 HE		Kasuga
14:43	6,094	113	14 HE		Kasuga
14:44	6,212	118	12 HE		Kasuga
14:45	6,335	124	13 HE	1 hit	Kasuga
14:46	6,458	124	12 HE	1 hit	Kasuga
14:47	6,369	-89	9 HE		Kasuga
14:48	6,280	-88	10 HE		Kasuga
14:49	6,194	-86	11 HE		Kasuga
14:50	6,108	-84	9 HE		Kasuga
14:51	5,885	-351	8 HE		Kasuga
14:52	5,544	-350	13 HE		Kasuga
14:53	5,186	-348	11 HE		Kasuga
14:54	4,840	-346	13 HE		Kasuga
14:55	4,496	-342	14 HE	1 hit	Kasuga
14:56	4,155	-340	18 HE		Kasuga
14:57	4,296	143	12 HE		Kasuga
14:58	4,408	149	12 HE		Kasuga
14:59	4,558	151	17 HE	1 hit	Kasuga
15:00	4,711	153	13 HE		Kasuga
15:01	4,866	157	12 HE		Kasuga
15:02	5,044	179	15 HE		Kasuga
15:03	5,225	181	14 HE	1 hit	Kasuga
15:04	5,408	183	13 HE		Kasuga
15:05	5,591	184	10 HE		Kasuga
15:06	5,703	-147	12 HE		Kasuga
15:07	5,675	-51	12 HE		Kasuga
15:08	5,647	-28	11 HE		Kasuga
15:09	5,667	-3	12 HE		Kasuga
15:10	5,713	22	10 HE		Kasuga
15:11	5,735	23	10 HE		Kasuga
15:12	5,763	29	8 HE		Kasuga
15:13	5,792	30	11 HE		Kasuga
15:14	5,822	31	10 HE		Kasuga
15:15	5,853	31	10 HE		Kasuga
15:16	5,885	32	10 HE		Kasuga
15:17	5,932	47	11 HE		Kasuga
15:18	5,954	22	10 HE		Kasuga
15:19	5,977	24	10 HE		Kasuga
15:20	1,788	-809	48 HE		JA 1st DD
15:21	1,022	-692	55 HE	1 hit	JA 1st DD
15:22	792	7	11 HE		JA 2nd DD
15:23	619	-32	66 HE	3 hits	JA 2nd DD

15:24	568	147	49 HE	3 hits	JA 3rd DD
15:25	2,205	-239	5 HE		JA 5th DD
15:26	2,069	-95	7 HE		JA 5th DD
15:27	7,602	474	1 HE		Kasuga
15:28	7,725	138	5 HE		Kasuga
15:29	7,802	108	4 HE		Kasuga
15:30	7,910	108	6 HE		Kasuga
15:31	8,002	71	5 HE		Kasuga
15:32	7,939	-45	5 HE		Kasuga
15:33	8,384	468	5 HE		Kasuga
75mm/50	Secondary	Total	929 shells	14 hits	1.5%

2nd Pacific Squadron, Aurora

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:55	13,261	-783	1 HE		Nisshin
13:58	11,128	-565	1 HE		Nisshin
13:59	10,583	-518	1 HE		Nisshin
14:00	10,083	-481	1 HE		Nisshin
14:02	9,248	-348	6 HE		Nisshin
14:03	8,710	-578	4 HE		Nisshin
14:04	8,157	-529	6 HE		Nisshin
14:05	7,669	-451	8 HE		Nisshin
14:06	7,105	-364	2 HE		Kasuga
14:07	6,788	-261	11 HE		Kasuga
14:08	6,423	-382	7 HE		Kasuga
14:09	6,090	-287	12 HE		Kasuga
14:10	5,821	-245	13 HE		Nisshin
14:11	5,640	-114	13 HE		Nisshin
14:12	5,314	-309	14 HE		Kasuga
14:13	5,168	-53	14 HE	1 hit	Kasuga
14:14	5,189	101	12 HE		Kasuga
14:15	5,356	237	13 HE	1 hit	Kasuga
14:16	5,501	-19	13 HE		Kasuga
14:17	5,545	74	10 HE		Kasuga
14:18	5,666	183	10 HE	1 hit	Kasuga
14:19	5,898	271	9 HE		Kasuga
14:20	6,278	296	6 HE		Nisshin
14:21	6,614	367	6 HE		Nisshin
14:22	7,015	434	1 HE		Nisshin
14:23	7,427	453	2 HE		Nisshin
14:24	7,889	471	4 HE		Nisshin
14:25	8,364	483	4 HE		Nisshin
14:26	8,845	487	3 HE		Nisshin
14:27	8,736	44	1 HE		Kasuga
14:28	9,136	11	1 HE		Nisshin
14:29	9,052	-18	1 HE		Nisshin
14:30	8,940	-45	2 HE		Nisshin
14:31	8,832	-74	1 HE		Nisshin
14:32	8,759	-71	1 HE		Nisshin
14:33	8,689	-68	2 SAP		Nisshin
14:34	8,623	-65	1 SAP		Nisshin
14:35	8,561	-61	1 SAP		Nisshin
14:36	8,502	-55	1 SAP		Nisshin
14:38	8,192	-635	1 HE		Nisshin
14:39	7,558	-767	1 HE		Nisshin
14:40	6,651	-561	2 HE		Kasuga
14:41	6,455	-671	1 HE		Nisshin
14:42	6,128	-124	3 HE		Nisshin
14:43	5,994	24	11 HE	1 hit	Nisshin
14:44	6,019	91	11 HE		Nisshin
14:45	6,120	147	11 HE		Nisshin
14:46	6,428	135	9 HE		Kasuga
14:47	6,397	94	8 HE		Nisshin
14:48	6,492	80	9 HE		Nisshin
14:49	6,751	76	9 HE		Kasuga
14:50	6,827	69	9 HE		Kasuga
14:51	6,572	-369	2 HE		Kasuga
14:52	6,207	-369	11 HE		Kasuga
14:53	5,816	-388	13 HE		Kasuga
14:54	5,493	-393	12 HE		Nisshin
14:55	5,101	-392	16 HE		Nisshin
14:56	4,717	-384	18 HE	1 hit	Nisshin
14:57	4,373	-190	19 HE		Nisshin
14:58	4,203	-73	20 HE	1 hit	Nisshin
14:59	4,376	149	18 HE	1 hit	Nisshin
15:00	4,527	153	18 HE		Nisshin
15:01	4,681	155	15 HE	2 hits	Nisshin
15:02	4,838	164	18 HE		Nisshin
15:03	5,004	181	15 SAP		Nisshin
15:04	5,217	189	17 SAP		Kasuga
15:05	5,380	183	16 SAP	1 hit	Nisshin
15:06	5,564	184	15 SAP	1 hit	Nisshin
15:07	5,722	-100	14 SAP		Nisshin

15:08	5,645	-40	13	SAP		Nisshin
15:09	5,699	-3	13	SAP		Nisshin
15:10	5,744	22	10	SAP	1 hit	Nisshin
15:11	5,766	22	13	SAP		Nisshin
15:12	5,788	23	13	SAP	1 hit	Nisshin
15:13	5,812	30	10	SAP		Nisshin
15:14	5,477	26	15	SAP		Kasuga
15:15	5,503	27	12	SAP		Kasuga
15:16	5,530	27	12	SAP		Kasuga
15:17	5,559	34	14	SAP		Kasuga
15:18	5,565	18	10	SAP		Kasuga
15:19	5,592	20	11	SAP		Kasuga
15:20	1,723	-867	23	SAP		JA 1st DD
15:21	865	-854	24	SAP	3 hits	JA 1st DD
15:22	298	126	5	AP		JA 2nd DD
15:23	900	210	15	HE	2 hits	JA 2nd DD
15:24	405	128	15	AP	1 hit	JA 4th DD
15:25	1,711	-290	4	AP		JA 5th DD
15:26	1,604	-171	13	AP		JA 5th DD
15:29	7,696	108	1	SAP		Nisshin
15:30	7,804	108	7	SAP		Nisshin
15:31	7,913	108	6	SAP		Nisshin
15:32	8,021	129	5	AP		Nisshin
15:33	7,805	653	1	AP		Nisshin
15:34	8,462	439	2	AP		Nisshin
15:35	8,978	608	1	AP		Nisshin
15:36	9,101	139	1	AP		Nisshin
15:37	9,224	434	1	AP		Nisshin
15:38	9,667	698	1	AP		Nisshin
15:39	10,368	750	1	AP		Nisshin
15:41	12,278	725	1	AP		Kasuga
152mm/45 Primary Total						834 shells 19 hits 2.3%

2nd Pacific Squadron, Aurora, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:04	8,157	-529	13 HE		Nisshin
14:05	7,669	-451	15 HE		Nisshin
14:06	7,105	-364	17 HE		Kasuga
14:07	6,788	-261	18 HE		Kasuga
14:08	6,423	-382	17 HE		Kasuga
14:09	6,090	-287	23 HE		Kasuga
14:10	5,821	-245	24 HE		Nisshin
14:11	5,640	-114	20 HE	1 hit	Nisshin
14:12	5,314	-309	28 HE		Kasuga
14:13	5,168	-53	27 HE		Kasuga
14:14	5,189	101	30 HE		Kasuga
14:15	5,356	237	22 HE		Kasuga
14:16	5,501	-19	23 HE		Kasuga
14:17	5,545	74	23 HE		Kasuga
14:18	5,666	183	23 HE		Kasuga
14:19	5,898	271	20 HE		Kasuga
14:20	6,278	296	19 HE		Nisshin
14:21	6,614	367	17 HE		Nisshin
14:22	7,015	434	2 HE		Nisshin
14:23	7,427	453	1 HE		Nisshin
14:24	7,889	471	12 HE		Nisshin
14:25	8,364	483	12 HE		Nisshin
14:38	8,192	-635	7 HE		Nisshin
14:40	6,651	-561	11 HE		Kasuga
14:41	6,455	-671	5 HE		Nisshin
14:42	6,128	-124	5 HE		Nisshin
14:43	5,994	24	24 HE		Nisshin
14:44	6,019	91	20 HE		Nisshin
14:45	6,120	147	21 HE		Nisshin
14:46	6,428	135	20 HE		Kasuga
14:47	6,397	94	14 HE		Nisshin
14:48	6,492	80	17 HE	1 hit	Nisshin
14:49	6,751	76	15 HE		Kasuga
14:50	6,827	69	16 HE		Kasuga
14:51	6,572	-369	13 HE		Kasuga
14:52	6,207	-369	20 HE		Kasuga
14:53	5,816	-388	23 HE		Kasuga
14:54	5,493	-393	24 HE		Nisshin
14:55	5,101	-392	27 HE		Nisshin
14:56	4,717	-384	30 HE		Nisshin
14:57	4,373	-190	29 HE	1 hit	Nisshin
14:58	4,203	-73	33 HE	2 hits	Nisshin
14:59	4,376	149	28 HE		Nisshin
15:00	4,527	153	27 HE		Nisshin
15:01	4,681	155	31 HE	2 hits	Nisshin
15:02	4,838	164	29 HE		Nisshin
15:03	5,004	181	23 HE	1 hit	Nisshin
15:04	5,217	189	22 HE		Kasuga
15:05	5,380	183	21 HE		Nisshin
15:06	5,564	184	19 HE		Nisshin
15:07	5,722	-100	19 HE		Nisshin
15:08	5,645	-40	17 HE	1 hit	Nisshin
15:09	5,699	-3	17 HE	1 hit	Nisshin
15:10	5,744	22	16 HE		Nisshin
15:11	5,766	22	16 HE		Nisshin
15:12	5,788	23	15 HE		Nisshin
15:13	5,812	30	17 HE		Nisshin
15:14	5,477	26	17 HE		Kasuga
15:15	5,503	27	18 HE		Kasuga
15:16	5,530	27	17 HE	1 hit	Kasuga
15:17	5,559	34	15 HE		Kasuga
15:18	5,565	18	18 HE		Kasuga
15:19	5,592	20	18 HE		Kasuga
15:20	1,723	-867	64 HE		JA 1st DD
15:21	865	-854	75 HE	4 hits	JA 1st DD
15:23	900	210	76 HE	1 hit	JA 2nd DD
15:24	405	128	84 HE	5 hits	JA 4th DD
15:26	1,604	-171	52 HE		JA 5th DD
15:29	7,696	108	7 HE		Nisshin

15:30	7,804	108	9 HE	Nisshin
15:31	7,913	108	10 HE	Nisshin
15:32	8,021	129	8 HE	Nisshin
15:33	7,805	653	10 HE	Nisshin
75mm/50	Secondary	Total	1595 shells	21 hits 1.3%

2nd Pacific Squadron, Dimitri Donskoi

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:56	12,466	-767	1 HE		Kasuga
13:58	11,988	-751	1 HE		Izumo
13:59	11,350	-577	1 HE		Izumo
14:03	10,344	-385	1 SAP		Kasagi
14:05	9,243	-511	1 SAP		Kasagi
14:06	8,756	-419	1 SAP		Kasagi
14:07	8,029	-703	1 SAP		Kasagi
14:08	7,389	-600	1 SAP		Kasagi
14:09	6,676	-770	2 SAP		Kasagi
14:10	5,946	-659	7 SAP		Kasagi
14:11	5,318	-547	8 SAP		Kasagi
14:12	4,529	-761	11 SAP		Kasagi
14:13	3,845	-632	13 SAP		Kasagi
14:14	3,327	-398	14 SAP		Kasagi
14:15	3,035	-176	13 SAP		Kasagi
14:16	3,774	803	11 SAP		Kasagi
14:17	4,411	638	11 SAP		Kasagi
14:18	5,050	639	9 SAP		Kasagi
14:19	5,747	699	7 SAP		Kasagi
14:20	6,607	875	2 SAP		Kasagi
14:21	7,435	840	2 SAP		Kasagi
14:22	8,350	926	1 SAP		Kasagi
14:23	9,282	938	1 SAP		Kasagi
14:44	10,865	-148	1 SAP		Kasagi
14:48	10,330	-289	1 SAP		Kasagi
14:50	9,644	-408	1 SAP		Kasagi
14:52	8,820	-415	1 SAP		Kasagi
14:53	8,405	-415	1 SAP		Kasagi
14:54	7,991	-414	2 SAP		Kasagi
14:55	7,577	-412	4 SAP		Kasagi
14:56	7,165	-410	4 SAP		Kasagi
14:57	6,755	-268	4 SAP		Kasagi
14:58	6,488	-199	6 SAP		Kasagi
14:59	6,212	63	5 SAP		Kasagi
15:00	6,279	48	6 SAP		Kasagi
15:01	6,356	58	7 SAP		Kasagi
15:02	6,154	-196	6 SAP		Kasagi
15:03	5,985	-196	6 SAP		Kasagi
15:04	5,789	-190	8 SAP		Kasagi
15:05	5,604	-185	9 SAP		Kasagi
15:06	5,419	-184	8 SAP	1 hit	Kasagi
15:07	5,254	-139	10 SAP		Kasagi
15:08	5,116	-133	10 SAP		Kasagi
15:09	4,985	-121	11 SAP		Kasagi
15:10	5,739	767	9 SAP		Kasagi
15:11	6,540	801	2 SAP		Kasagi
15:12	7,375	835	1 SAP		Kasagi
15:13	8,274	899	2 SAP		Kasagi
15:15	10,142	935	1 SAP		Kasagi
15:25	11,432	-103	1 SAP		Kasagi
15:31	7,598	135	1 HE		Izumo
15:32	7,680	107	2 HE		Izumo
15:33	7,823	143	2 HE		Izumo
15:38	11,791	261	1 SAP		Kasagi
152mm/45 Primary Total			253 shells	1 hit	0.4%

2nd Pacific Squadron, Dimitri Donskoi, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:07	8,029	-703	6 HE		Kasagi
14:08	7,389	-600	6 HE		Kasagi
14:09	6,676	-770	7 HE		Kasagi
14:10	5,946	-659	10 HE		Kasagi
14:11	5,318	-547	12 HE		Kasagi
14:12	4,529	-761	15 HE		Kasagi
14:13	3,845	-632	18 HE	1 hit	Kasagi
14:14	3,327	-398	22 AP	1 hit	Kasagi
14:15	3,035	-176	25 AP		Kasagi
14:16	3,774	803	16 AP		Kasagi
14:17	4,411	638	15 AP		Kasagi
14:18	5,050	639	11 AP		Kasagi
14:19	5,747	699	10 AP		Kasagi
14:20	6,607	875	8 AP		Kasagi
14:21	7,435	840	6 AP		Kasagi
14:22	8,350	926	4 HE		Kasagi
14:54	7,991	-414	5 HE		Kasagi
14:55	7,577	-412	6 HE	1 hit	Kasagi
14:56	7,165	-410	7 AP		Kasagi
14:57	6,755	-268	5 AP		Kasagi
14:58	6,488	-199	7 AP		Kasagi
14:59	6,212	63	8 AP	1 hit	Kasagi
15:00	6,279	48	9 AP		Kasagi
15:01	6,356	58	9 AP		Kasagi
15:02	6,154	-196	8 AP		Kasagi
15:03	5,985	-196	8 AP		Kasagi
15:04	5,789	-190	9 AP		Kasagi
15:05	5,604	-185	13 AP		Kasagi
15:06	5,419	-184	12 AP		Kasagi
15:07	5,254	-139	12 AP		Kasagi
15:08	5,116	-133	15 AP		Kasagi
15:09	4,985	-121	14 AP		Kasagi
15:10	5,739	767	12 AP		Kasagi
15:11	6,540	801	9 AP		Kasagi
15:12	7,375	835	6 AP		Kasagi
15:13	8,274	899	4 HE		Kasagi
15:31	7,598	135	3 HE		Izumo
15:32	7,680	107	7 HE		Izumo
15:33	7,823	143	6 HE		Izumo
75mm/50	Secondary	Total	385 shells	4 hits	1%

2nd Pacific Squadron, Vladimir Monomakh

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:57	12,116	-759	1 HE		Kasagi
13:59	11,644	-742	1 HE		Izumo
14:01	10,449	-518	1 HE		Izumo
14:02	10,835	-492	1 SAP		Kasagi
14:05	9,539	-576	1 SAP		Kasagi
14:06	9,011	-466	1 SAP		Kasagi
14:07	8,266	-722	1 SAP		Kasagi
14:08	7,597	-637	1 SAP		Kasagi
14:09	6,949	-613	2 SAP		Kasagi
14:10	6,281	-733	2 SAP		Kasagi
14:11	5,599	-605	8 SAP		Kasagi
14:12	4,784	-791	3 SAP		Kasagi
14:13	4,049	-705	8 SAP		Kasagi
14:14	3,352	-637	15 SAP		Kasagi
14:15	2,866	-312	13 SAP		Kasagi
14:16	3,506	724	15 SAP		Kasagi
14:17	4,131	627	12 SAP	1 hit	Kasagi
14:18	4,761	632	9 SAP		Kasagi
14:19	5,450	690	8 SAP		Kasagi
14:20	6,273	849	3 SAP		Kasagi
14:21	7,078	819	2 SAP		Kasagi
14:22	7,975	906	1 SAP		Kasagi
14:23	8,893	926	1 SAP		Kasagi
14:40	11,893	-282	1 SAP		Kasagi
14:45	10,721	-159	1 SAP		Kasagi
14:48	10,236	-270	1 SAP		Kasagi
14:50	9,691	-275	1 SAP		Kasagi
14:51	9,417	-272	1 SAP		Kasagi
14:52	9,020	-396	1 SAP		Kasagi
14:53	8,625	-393	4 SAP		Kasagi
14:54	8,233	-390	4 SAP		Kasagi
14:55	7,844	-387	4 SAP		Kasagi
14:56	7,459	-381	4 SAP		Kasagi
14:57	7,079	-305	4 SAP		Kasagi
14:58	6,777	-279	5 SAP		Kasagi
14:59	6,499	-275	6 SAP		Kasagi
15:00	6,227	-262	6 SAP		Kasagi
15:01	5,967	-255	7 SAP		Kasagi
15:02	5,403	-235	6 SAP		Kasagi
15:03	5,193	-185	8 SAP		Kasagi
15:04	5,031	-150	11 SAP		Kasagi
15:05	4,881	-143	10 SAP		Kasagi
15:06	4,738	-136	12 SAP		Kasagi
15:07	4,626	-129	11 SAP		Kasagi
15:08	4,499	-131	12 SAP		Kasagi
15:09	4,369	-129	13 SAP		Kasagi
15:10	5,084	709	9 SAP		Kasagi
15:11	5,793	713	2 SAP		Kasagi
15:12	6,545	822	2 SAP		Kasagi
15:13	7,432	898	1 SAP		Kasagi
15:14	8,362	930	1 SAP		Kasagi
15:15	9,294	932	1 SAP		Kasagi
15:17	10,998	779	1 SAP		Kasagi
15:18	10,952	-46	1 SAP		Kasagi
15:19	10,977	8	1 SAP		Kasagi
15:22	10,795	-72	1 SAP		Kasagi
15:25	10,727	-15	1 SAP		Kasagi
15:28	6,585	105	4 HE		Asama
15:29	6,649	46	3 HE		Asama
15:30	6,758	109	2 HE		Asama
15:31	6,870	15	1 HE		Asama
15:32	6,952	236	1 HE		Asama
15:33	7,084	274	2 HE		Izumo
15:35	10,973	96	1 SAP		Chitose
15:39	11,775	250	1 SAP		Chitose
152mm/45 Primary Total			279 shells	1 hit	0.4%

2nd Pacific Squadron, Vladimir Monomakh, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:00	10,994	-565	2 HE		Izumo
14:01	10,449	-518	1 HE		Izumo
14:02	10,835	-492	1 HE		Kasagi
14:03	10,372	-431	1 HE		Kasagi
14:04	9,986	-353	2 HE		Kasagi
14:05	9,539	-576	1 HE		Kasagi
14:06	9,011	-466	1 HE		Kasagi
14:07	8,266	-722	2 HE		Kasagi
14:08	7,597	-637	3 HE		Kasagi
14:09	6,949	-613	6 HE		Kasagi
14:10	6,281	-733	3 HE		Kasagi
14:11	5,599	-605	5 HE		Kasagi
14:12	4,784	-791	6 HE		Kasagi
14:13	4,049	-705	7 HE		Kasagi
14:14	3,352	-637	15 HE		Kasagi
14:15	2,866	-312	17 HE		Kasagi
14:16	3,506	724	15 HE		Kasagi
14:17	4,131	627	10 HE		Kasagi
14:18	4,761	632	9 HE	1 hit	Kasagi
14:19	5,450	690	8 HE		Kasagi
14:20	6,273	849	8 HE		Kasagi
14:21	7,078	819	5 HE		Kasagi
14:22	7,975	906	3 HE		Kasagi
14:23	8,893	926	3 HE		Kasagi
14:24	9,826	938	1 HE		Kasagi
14:25	10,782	1,029	1 HE		Kasagi
14:44	10,894	-176	1 HE		Kasagi
14:45	10,721	-159	1 HE		Kasagi
14:46	10,689	-31	1 HE		Kasagi
14:47	10,493	-255	1 HE		Kasagi
14:48	10,236	-270	1 HE		Kasagi
14:49	9,966	-277	2 HE		Kasagi
14:50	9,691	-275	2 HE		Kasagi
14:51	9,417	-272	2 HE		Kasagi
14:52	9,020	-396	2 HE		Kasagi
14:53	8,625	-393	4 HE		Kasagi
14:54	8,233	-390	5 HE		Kasagi
14:55	7,844	-387	2 HE		Kasagi
14:56	7,459	-381	3 HE		Kasagi
14:57	7,079	-305	4 HE		Kasagi
14:58	6,777	-279	4 HE		Kasagi
14:59	6,499	-275	6 HE		Kasagi
15:00	6,227	-262	6 HE		Kasagi
15:01	5,967	-255	6 HE		Kasagi
15:02	5,403	-235	6 HE		Kasagi
15:03	5,193	-185	10 HE		Kasagi
15:04	5,031	-150	10 HE		Kasagi
15:05	4,881	-143	11 HE		Kasagi
15:06	4,738	-136	11 HE		Kasagi
15:07	4,626	-129	11 HE		Kasagi
15:08	4,499	-131	12 HE		Kasagi
15:09	4,369	-129	12 HE		Kasagi
15:10	5,084	709	7 HE		Kasagi
15:11	5,793	713	6 HE		Kasagi
15:12	6,545	822	4 HE		Kasagi
15:13	7,432	898	4 HE		Kasagi
15:14	8,362	930	2 HE		Kasagi
15:15	9,294	932	2 HE		Kasagi
15:16	10,226	932	2 HE		Kasagi
15:17	10,998	779	2 HE		Kasagi
15:18	10,952	-46	2 HE		Kasagi
15:19	10,977	8	2 HE		Kasagi
15:20	10,939	-36	1 HE		Kasagi
15:21	10,880	-55	1 HE		Kasagi
15:22	10,795	-72	1 HE		Kasagi
15:23	10,766	-24	1 HE		Kasagi
15:24	10,744	-20	1 HE		Kasagi
15:25	10,727	-15	1 HE		Kasagi
15:26	10,745	22	1 HE		Kasagi

15:27	10,729	-13	1 HE	Kasagi
15:28	6,585	105	5 HE	Asama
15:29	6,649	46	6 HE	Asama
15:30	6,758	109	4 HE	Asama
15:31	6,870	15	3 HE	Asama
15:32	6,952	236	1 HE	Asama
15:33	7,084	274	4 HE	Izumo
15:34	10,882	87	1 HE	Chitose
15:35	10,973	96	1 HE	Chitose
15:36	11,114	145	1 HE	Chitose
15:37	11,263	170	1 HE	Chitose
120mm/45 Secondary Total			340 shells	1 hit 0.3%

2nd Pacific Squadron, Izumrud

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:47	10,631	-883	1 HE		Chitose
13:48	9,906	-8	1 HE		Chitose
13:49	9,910	93	1 HE		Chitose
13:50	10,033	62	1 HE		Chitose
13:51	10,157	124	1 HE		Chitose
13:52	10,403	142	1 HE		Chitose
13:54	10,599	145	1 HE		Chitose
13:55	10,621	-648	1 HE		Chitose
14:01	11,279	140	1 HE		Chitose
14:07	8,760	-1,097	1 HE		Chitose
14:08	7,540	-1,195	2 HE		Chitose
14:09	6,369	-1,145	1 HE		Chitose
14:10	5,260	-1,062	7 HE		Chitose
14:11	3,906	-832	18 HE		Kasagi
14:12	3,106	-710	16 HE	2 hits	Kasagi
14:13	3,936	60	15 HE		Kasuga
14:14	4,153	372	14 HE		Kasuga
14:15	4,861	715	2 HE		Kasuga
14:16	5,262	179	3 HE		Kasuga
14:17	5,524	243	2 HE		Kasuga
14:18	5,809	305	2 HE		Kasuga
14:19	6,117	309	5 HE	1 hit	Kasuga
14:20	8,099	1,144	1 HE		Kasagi
14:21	7,019	305	1 HE		Nisshin
14:22	7,322	344	1 HE		Nisshin
14:23	7,638	345	2 HE		Nisshin
15:09	9,605	-649	1 HE		Niitaka
15:11	8,353	-600	1 HE		Niitaka
15:14	8,706	76	1 HE		Niitaka
15:16	8,210	580	1 HE		Niitaka
15:21	9,558	-273	1 HE		Niitaka
15:23	8,876	-343	1 HE		Niitaka
15:25	8,221	-309	1 HE		Niitaka
15:26	7,934	-268	1 HE		Niitaka
15:27	7,836	-84	1 HE		Niitaka
15:29	7,106	-369	1 HE		Niitaka
15:30	6,787	-317	1 HE		Niitaka
15:31	6,472	-310	1 HE		Niitaka
120mm/45 Primary Total			114 shells	3 hits	2.6%

2nd Pacific Squadron, Jemtchug

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:47	10,316	-1,222	1 HE		Otowa
13:48	9,063	-1,165	1 HE		Otowa
13:49	7,880	-375	2 HE		Otowa
13:50	7,695	-314	2 HE		Otowa
13:51	7,400	-348	2 HE		Otowa
13:54	8,605	812	1 HE		Otowa
13:57	9,339	181	1 HE		Otowa
14:08	8,728	-989	1 HE		Otowa
14:09	7,661	-1,021	1 HE		Otowa
14:10	6,489	-1,173	1 HE		Otowa
14:12	4,716	-1,101	1 HE		Otowa
14:13	3,726	-962	12 HE		Otowa
14:14	2,808	-806	22 HE		Otowa
14:15	2,256	109	9 HE		Otowa
14:16	2,241	16	13 HE		Otowa
14:17	3,085	896	4 HE		Otowa
14:18	4,282	1,064	4 HE		Otowa
14:19	5,413	1,064	2 HE		Otowa
14:20	6,543	1,131	2 HE		Otowa
14:21	7,740	1,197	1 HE		Otowa
14:55	9,648	-362	1 HE		Otowa
14:58	8,657	-298	1 HE		Otowa
15:00	8,194	-182	1 HE		Otowa
15:01	8,074	-105	1 HE		Otowa
15:03	7,970	-144	1 HE		Otowa
15:04	7,746	-192	1 HE		Otowa
15:05	7,635	-56	5 HE		Otowa
15:06	7,629	57	3 HE		Otowa
15:07	7,709	169	3 HE		Otowa
15:09	7,195	-670	1 HE		Otowa
15:10	6,513	-674	2 HE		Otowa
15:11	5,828	-675	1 HE		Otowa
15:12	5,486	433	2 HE		Otowa
15:14	6,861	551	1 HE		Otowa
15:15	7,429	567	1 HE		Otowa
15:17	8,600	567	3 HE		Otowa
15:18	9,129	533	1 HE		Otowa
15:22	8,631	-434	1 HE		Otowa
15:23	8,179	-438	1 HE		Otowa
15:24	7,760	-386	1 HE		Otowa
15:25	7,379	-345	1 HE		Otowa
15:26	7,041	-291	2 HE		Otowa
15:27	6,774	-141	1 HE		Otowa
15:28	6,602	-89	1 HE		Otowa
15:30	5,783	-403	6 HE		Otowa
15:31	5,364	-419	6 HE		Otowa
15:32	4,799	-571	6 HE		Otowa
15:34	4,643	-39	3 HE		Otowa
15:35	4,696	79	2 HE		Otowa
15:37	4,855	91	1 HE		Otowa
15:38	4,973	109	1 HE		Otowa
15:39	5,063	71	1 HE		Otowa
15:40	5,080	32	1 HE		Otowa
15:41	5,062	1	2 HE		Otowa
15:42	5,075	1	3 HE		Otowa
120mm/45 Primary Total			152 shells	0 hits	

2nd Pacific Squadron, Svietlana

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:47	11,594	-891	1 SAP		Chitose
13:49	10,842	94	1 SAP		Chitose
13:52	11,261	36	1 SAP		Chitose
13:56	10,702	-560	1 SAP		Chitose
13:58	9,724	103	1 SAP		Chitose
14:00	9,872	15	1 SAP		Chitose
14:02	9,968	66	1 SAP		Chitose
14:03	10,014	84	1 SAP		Chitose
14:07	9,693	-1,055	1 SAP		Chitose
14:08	8,516	-1,158	1 SAP		Chitose
14:09	7,373	-1,126	2 SAP		Chitose
14:10	6,263	-1,088	6 SAP		Chitose
14:11	5,182	-1,036	7 SAP		Chitose
14:12	4,206	-978	17 SAP		Chitose
14:13	3,229	-910	17 SAP		Chitose
14:14	2,497	-599	18 SAP	1 hit	Chitose
14:15	2,104	-143	18 SAP	1 hit	Chitose
14:16	2,488	1,158	12 SAP	1 hit	Chitose
14:17	3,445	791	13 SAP		Chitose
14:18	4,335	922	7 SAP		Chitose
14:19	5,401	1,089	6 SAP		Chitose
14:20	6,553	1,112	2 SAP		Chitose
14:21	7,611	1,059	2 SAP		Chitose
14:23	9,741	1,040	1 SAP		Chitose
14:24	10,826	1,046	1 SAP		Chitose
14:52	9,563	-379	1 SAP		Chitose
14:54	8,808	-374	1 SAP		Chitose
14:55	8,434	-371	1 SAP		Chitose
14:56	8,064	-368	1 SAP		Chitose
14:57	7,744	-231	1 SAP		Chitose
14:58	7,575	-140	2 SAP		Chitose
14:59	7,161	-221	2 SAP		Chitose
15:00	6,950	-198	1 SAP		Chitose
15:01	6,820	-114	2 SAP		Chitose
15:02	6,726	-102	2 SAP		Chitose
15:03	6,718	-46	2 SAP		Chitose
15:05	6,525	-160	2 SAP		Chitose
15:06	6,524	-55	2 SAP		Chitose
15:07	6,533	27	1 SAP		Chitose
15:08	6,627	106	2 SAP		Chitose
15:10	6,223	-555	1 SAP		Chitose
15:11	5,711	-444	9 SAP		Chitose
15:12	5,567	-15	10 SAP		Chitose
15:13	6,108	653	1 SAP		Chitose
15:14	6,811	909	2 SAP		Chitose
15:16	8,171	572	1 SAP		Chitose
15:17	8,772	454	1 SAP		Chitose
15:18	8,973	-143	1 SAP		Chitose
15:19	8,889	-9	1 SAP		Chitose
15:20	8,782	-113	1 SAP		Chitose
15:22	8,001	-472	2 SAP		Chitose
15:23	7,523	-433	2 SAP		Chitose
15:24	7,077	-391	2 SAP		Chitose
15:25	6,668	-347	10 SAP		Chitose
15:26	6,306	-290	9 SAP		Chitose
15:27	6,016	-186	10 SAP		Chitose
15:28	5,880	-83	7 SAP		Chitose
15:29	5,781	-226	4 SAP		Chitose
15:30	5,425	-370	10 SAP	1 hit	Chitose
15:31	5,071	-352	9 SAP		Chitose
15:32	4,720	-422	12 SAP		Chitose
15:33	4,298	-1,038	2 SAP		Chitose
15:34	3,368	-845	18 SAP	2 hits	Chitose
15:35	5,077	25	12 HE		Kasuga
15:36	5,153	141	12 HE	1 hit	Kasuga
15:37	4,879	-247	13 HE		Kasuga
15:38	5,274	-160	11 HE	2 hits	Nisshin
15:39	4,673	-86	13 HE	1 hit	Kasuga
15:40	4,740	70	2 HE		Kasuga

15:41	4,767	44	7 HE	Kasuga
15:42	4,803	51	7 HE	Kasuga
15:43	4,924	135	7 HE	Kasuga
15:44	5,073	161	5 HE	Kasuga
152mm/45 Primary Total			376 shells 10 hits	2.7%

2nd Pacific Squadron, RU 1st DD

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:12	7,442	-943	2 HE		Chitose
14:13	6,583	-882	2 HE		Chitose
14:14	5,685	-876	2 HE		Chitose
14:15	4,827	-828	3 HE		Chitose
14:16	4,141	-96	2 HE		Chitose
14:17	4,190	566	3 HE		Chitose
14:18	4,833	714	2 HE		Chitose
14:19	5,656	869	2 HE		Chitose
14:21	4,210	108	3 HE		Takachiho
14:22	5,051	986	2 HE		Takachiho
14:23	5,380	373	1 HE		Takachiho
14:24	6,366	600	1 HE		Naniwa
14:25	7,053	729	1 HE		Naniwa
14:26	6,362	871	1 HE		Tsushima
14:27	7,789	992	1 HE		Akashi
15:22	6,177	-1,304	1 HE		JA 2nd DD
15:23	5,070	-1,286	2 HE		JA 3rd DD
15:24	3,742	-1,298	3 HE		JA 3rd DD
15:26	4,213	-1,053	3 HE		JA 5th DD
15:29	7,277	-626	1 HE		Naniwa
15:30	6,709	-707	1 HE		Tsushima
15:32	7,069	439	1 HE		Tsushima
15:34	8,039	515	1 HE		Takachiho
15:40	7,836	-8	1 HE		Tsushima
15:41	7,749	-76	1 HE		Tsushima
15:42	7,974	-99	1 HE		Takachiho
15:43	7,922	-34	1 HE		Takachiho
15:44	7,747	31	1 HE		Tsushima
75mm/50	Primary	Total	46 shells	0 hits	

2nd Pacific Squadron, RU 2nd DD

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
15:21	7,341	-817	1 HE		JA 2nd DD
15:23	5,881	-397	1 HE		JA 4th DD
15:24	5,347	-498	2 HE		JA 4th DD
15:26	5,083	-604	1 HE		JA 5th DD
15:29	8,011	-303	1 HE		Naniwa
15:30	7,339	-351	1 HE		Takachiho
15:31	7,039	-234	1 HE		Takachiho
15:32	6,884	-65	2 HE		Takachiho
15:33	6,890	79	1 HE		Takachiho
15:34	7,060	250	2 HE		Takachiho
15:35	7,373	381	1 HE		Takachiho
75mm/50	Primary	Total	14 shells	0 hits	

Combined Fleet, Mikasa

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:49	12,064	-779	1 HE		Kniaz Suvorow
13:50	11,292	-763	1 HE		Kniaz Suvorow
13:51	10,540	-737	1 HE		Kniaz Suvorow
13:52	9,814	-709	1 HE		Kniaz Suvorow
13:53	9,118	-679	2 HE		Kniaz Suvorow
13:54	8,461	-636	5 HE		Kniaz Suvorow
13:55	7,853	-579	4 AP	1 hit	Kniaz Suvorow
13:56	7,304	-516	4 AP		Kniaz Suvorow
13:57	7,064	-189	4 AP		Kniaz Suvorow
13:58	6,919	-91	4 AP		Kniaz Suvorow
13:59	6,882	21	3 AP		Kniaz Suvorow
14:00	6,954	126	4 AP		Kniaz Suvorow
14:01	7,130	230	4 AP		Kniaz Suvorow
14:02	6,962	-112	2 AP		Kniaz Suvorow
14:03	6,910	1	4 AP		Kniaz Suvorow
14:04	6,964	105	4 AP		Kniaz Suvorow
14:05	7,131	228	3 AP		Kniaz Suvorow
14:06	7,402	317	4 AP		Kniaz Suvorow
14:07	7,105	-245	4 AP		Kniaz Suvorow
14:08	6,923	-128	4 AP		Kniaz Suvorow
14:09	6,836	-29	4 AP		Kniaz Suvorow
14:10	6,866	96	3 AP		Kniaz Suvorow
14:11	7,012	204	4 AP	1 hit	Kniaz Suvorow
14:12	7,015	44	4 AP		Kniaz Suvorow
14:13	7,104	125	2 AP		Kniaz Suvorow
14:14	7,266	210	3 AP		Kniaz Suvorow
14:15	7,513	290	3 AP		Kniaz Suvorow
14:16	7,834	354	2 AP		Kniaz Suvorow
14:17	8,192	386	3 HE		Kniaz Suvorow
14:18	8,574	412	1 HE		Kniaz Suvorow
14:19	8,971	412	1 HE		Kniaz Suvorow
14:20	9,407	453	1 HE		Kniaz Suvorow
14:21	9,876	482	1 HE		Kniaz Suvorow
14:23	9,624	-95	1 HE		Kniaz Suvorow
14:24	9,527	-97	1 HE		Kniaz Suvorow
14:25	9,459	-67	1 HE		Kniaz Suvorow
14:26	9,360	-99	1 HE		Kniaz Suvorow
14:27	9,238	-121	1 HE		Kniaz Suvorow
14:28	9,117	-120	1 HE		Kniaz Suvorow
14:29	8,965	-152	1 HE		Kniaz Suvorow
14:30	8,814	-150	1 HE		Kniaz Suvorow
14:31	8,664	-148	1 HE		Kniaz Suvorow
14:32	8,163	-501	1 HE	1 hit	Kniaz Suvorow
14:33	7,680	-495	1 AP		Kniaz Suvorow
14:34	7,190	-489	1 AP		Kniaz Suvorow
14:35	6,701	-489	1 AP		Kniaz Suvorow
14:36	6,212	-489	1 AP		Kniaz Suvorow
14:37	6,122	-89	1 AP		Kniaz Suvorow
14:38	6,037	-84	1 AP		Kniaz Suvorow
14:40	5,873	-81	1 AP		Kniaz Suvorow
14:41	5,795	-75	1 AP		Kniaz Suvorow
14:42	5,969	176	1 AP		Kniaz Suvorow
14:43	6,136	186	1 AP		Kniaz Suvorow
14:44	6,324	189	1 AP		Kniaz Suvorow
14:45	6,516	195	1 AP		Kniaz Suvorow
14:46	6,713	198	1 AP		Kniaz Suvorow
14:47	6,431	-279	1 AP		Kniaz Suvorow
14:48	6,176	-267	1 AP		Kniaz Suvorow
14:49	5,912	-262	1 AP		Kniaz Suvorow
14:50	5,644	-264	1 AP		Kniaz Suvorow
14:51	5,382	-257	1 AP		Kniaz Suvorow
14:52	5,127	-250	1 AP		Kniaz Suvorow
14:53	4,881	-242	1 AP		Kniaz Suvorow
14:54	4,644	-231	1 AP		Kniaz Suvorow
14:55	4,418	-218	1 AP		Kniaz Suvorow
14:56	4,206	-206	1 AP		Kniaz Suvorow
14:57	4,411	210	1 AP		Kniaz Suvorow
14:58	4,595	206	1 AP		Kniaz Suvorow
14:59	4,821	231	1 AP		Kniaz Suvorow

15:00	5,055	237	1 AP	Kniaz Suvorow
15:01	5,294	243	1 AP	Kniaz Suvorow
15:02	5,175	-118	1 AP	Kniaz Suvorow
15:03	5,074	-102	1 AP	Kniaz Suvorow
15:04	4,957	-116	1 AP	Kniaz Suvorow
15:05	4,843	-113	1 AP	Kniaz Suvorow
15:06	4,731	-111	1 AP	Kniaz Suvorow
15:07	4,699	-31	1 AP	Kniaz Suvorow
15:08	4,684	-14	1 AP	Kniaz Suvorow
15:10	4,683	0	1 AP	Kniaz Suvorow
15:11	4,684	1	1 AP	Kniaz Suvorow
15:12	4,660	-24	1 AP	Kniaz Suvorow
15:13	4,636	-24	1 AP	Kniaz Suvorow
30cm/40	Primary Total	144 shells	3 hits	2.1%

Combined Fleet, Mikasa, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:52	9,814	-709	7 HE		Kniaz Suvorow
13:53	9,118	-679	7 HE		Kniaz Suvorow
13:54	8,461	-636	7 HE		Kniaz Suvorow
13:55	7,853	-579	9 HE		Kniaz Suvorow
13:56	7,304	-516	11 HE		Kniaz Suvorow
13:57	7,064	-189	11 HE		Kniaz Suvorow
13:58	6,919	-91	11 HE		Kniaz Suvorow
13:59	6,882	21	11 HE		Kniaz Suvorow
14:00	6,954	126	12 HE		Kniaz Suvorow
14:01	7,130	230	13 HE	1 hit	Kniaz Suvorow
14:02	6,962	-112	14 HE		Kniaz Suvorow
14:03	6,910	1	12 HE		Kniaz Suvorow
14:04	6,964	105	11 HE		Kniaz Suvorow
14:05	7,131	228	10 HE		Kniaz Suvorow
14:06	7,402	317	9 HE		Kniaz Suvorow
14:07	7,105	-245	9 HE		Kniaz Suvorow
14:08	6,923	-128	14 HE		Kniaz Suvorow
14:09	6,836	-29	11 HE		Kniaz Suvorow
14:10	6,866	96	13 HE	1 hit	Kniaz Suvorow
14:11	7,012	204	11 HE		Kniaz Suvorow
14:12	7,015	44	9 HE		Kniaz Suvorow
14:13	7,104	125	12 HE		Kniaz Suvorow
14:14	7,266	210	11 HE		Kniaz Suvorow
14:15	7,513	290	10 HE		Kniaz Suvorow
14:16	7,834	354	9 HE		Kniaz Suvorow
14:17	8,192	386	7 HE		Kniaz Suvorow
14:18	8,574	412	8 HE		Kniaz Suvorow
14:19	8,971	412	8 HE		Kniaz Suvorow
14:20	9,407	453	6 HE		Kniaz Suvorow
14:21	9,876	482	6 HE		Kniaz Suvorow
14:23	9,624	-95	1 HE		Kniaz Suvorow
14:24	9,527	-97	1 HE		Kniaz Suvorow
14:25	9,459	-67	1 HE		Kniaz Suvorow
14:26	9,360	-99	2 HE		Kniaz Suvorow
14:27	9,238	-121	1 HE		Kniaz Suvorow
14:28	9,117	-120	1 HE		Kniaz Suvorow
14:29	8,965	-152	1 HE		Kniaz Suvorow
14:30	8,814	-150	2 HE		Kniaz Suvorow
14:31	8,664	-148	1 HE		Kniaz Suvorow
14:32	8,163	-501	9 HE		Kniaz Suvorow
14:33	7,680	-495	10 HE		Kniaz Suvorow
14:34	7,190	-489	8 HE		Kniaz Suvorow
14:35	6,701	-489	9 HE		Kniaz Suvorow
14:36	6,212	-489	14 HE	1 hit	Kniaz Suvorow
14:37	6,122	-89	10 HE		Kniaz Suvorow
14:38	6,037	-84	15 HE	1 hit	Kniaz Suvorow
14:39	5,954	-82	14 HE	1 hit	Kniaz Suvorow
14:40	5,873	-81	16 HE		Kniaz Suvorow
14:41	5,795	-75	17 HE		Kniaz Suvorow
14:42	5,969	176	17 HE		Kniaz Suvorow
14:43	6,136	186	16 HE		Kniaz Suvorow
14:44	6,324	189	16 HE		Kniaz Suvorow
14:45	6,516	195	15 HE		Kniaz Suvorow
14:46	6,713	198	14 HE		Kniaz Suvorow
14:47	6,431	-279	14 HE		Kniaz Suvorow
14:48	6,176	-267	12 HE		Kniaz Suvorow
14:49	5,912	-262	17 HE		Kniaz Suvorow
14:50	5,644	-264	17 HE	1 hit	Kniaz Suvorow
14:51	5,382	-257	17 HE		Kniaz Suvorow
14:52	5,127	-250	15 HE		Kniaz Suvorow
14:53	4,881	-242	22 HE	1 hit	Kniaz Suvorow
14:54	4,644	-231	23 HE		Kniaz Suvorow
14:55	4,418	-218	25 HE	1 hit	Kniaz Suvorow
14:56	4,206	-206	25 HE		Kniaz Suvorow
14:57	4,411	210	23 HE		Kniaz Suvorow
14:58	4,595	206	21 HE		Kniaz Suvorow
14:59	4,821	231	21 HE		Kniaz Suvorow
15:00	5,055	237	19 HE		Kniaz Suvorow
15:01	5,294	243	15 HE		Kniaz Suvorow

15:02	5,175	-118	13	HE		Kniaz	Suvorow
15:03	5,074	-102	17	HE		Kniaz	Suvorow
15:04	4,957	-116	17	HE		Kniaz	Suvorow
15:05	4,843	-113	13	HE		Kniaz	Suvorow
15:06	4,731	-111	15	HE		Kniaz	Suvorow
15:07	4,699	-31	18	HE		Kniaz	Suvorow
15:08	4,684	-14	19	HE	2 hits	Kniaz	Suvorow
15:09	4,683	0	14	HE		Kniaz	Suvorow
15:10	4,683	0	19	HE		Kniaz	Suvorow
15:11	4,684	1	22	HE	1 hit	Kniaz	Suvorow
15:12	4,660	-24	18	HE		Kniaz	Suvorow
15:13	4,636	-24	15	HE		Kniaz	Suvorow
15:14	4,612	-24	16	HE		Kniaz	Suvorow
15:15	4,588	-24	19	HE	1 hit	Kniaz	Suvorow
15:16	4,564	-24	18	HE		Kniaz	Suvorow
15:17	4,636	72	18	HE	1 hit	Kniaz	Suvorow
15:18	4,709	72	17	HE		Kniaz	Suvorow
15:19	4,782	73	18	HE		Kniaz	Suvorow
15:20	4,854	73	14	HE		Kniaz	Suvorow
15:21	4,927	73	15	HE		Kniaz	Suvorow
15:22	5,186	259	17	HE		Kniaz	Suvorow
15:23	5,447	263	17	HE		Kniaz	Suvorow
15:24	5,711	265	15	HE		Kniaz	Suvorow
15:25	5,975	266	15	HE		Kniaz	Suvorow
15:26	6,242	266	11	HE		Kniaz	Suvorow
15:27	6,491	249	10	HE	1 hit	Kniaz	Suvorow
15:28	6,740	250	11	HE		Kniaz	Suvorow
15:29	6,990	250	7	HE		Kniaz	Suvorow
15:30	7,241	251	8	HE		Kniaz	Suvorow
15:31	7,493	251	6	HE		Kniaz	Suvorow
15:32	7,766	273	4	HE		Kniaz	Suvorow
15:33	8,044	282	5	HE		Kniaz	Suvorow
15:34	8,326	284	3	HE		Kniaz	Suvorow
15:35	8,612	287	4	AP		Kniaz	Suvorow
15:36	8,900	290	4	AP		Kniaz	Suvorow
15cm/40	Secondary	Total	1268	shells	14 hits	1.1%	

Combined Fleet, Shikisima

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:49	12,941	-795	1 HE		Imp Alexander III
13:51	11,377	-763	1 HE		Imp Alexander III
13:52	10,623	-746	1 HE		Imp Alexander III
13:53	9,893	-719	1 HE		Imp Alexander III
13:54	9,194	-679	2 HE		Imp Alexander III
13:55	8,532	-636	3 HE		Imp Alexander III
13:56	7,917	-590	3 AP		Imp Alexander III
13:57	7,362	-516	3 AP		Imp Alexander III
13:58	7,075	-204	4 AP		Imp Alexander III
13:59	6,919	-105	3 AP		Imp Alexander III
14:00	6,871	6	3 AP		Imp Alexander III
14:01	6,930	111	3 AP		Imp Alexander III
14:02	7,096	215	3 AP		Imp Alexander III
14:03	6,989	-128	3 AP		Imp Alexander III
14:04	6,916	-14	4 AP		Imp Alexander III
14:05	6,958	105	2 AP		Imp Alexander III
14:06	7,112	213	3 AP		Imp Alexander III
14:07	7,372	302	2 AP		Imp Alexander III
14:08	7,155	-260	3 AP		Imp Alexander III
14:09	6,943	-142	4 AP	1 hit	Imp Alexander III
14:10	6,843	-45	3 AP		Imp Alexander III
14:11	6,859	81	3 AP		Imp Alexander III
14:12	6,992	189	3 AP		Imp Alexander III
14:13	6,992	30	3 AP		Imp Alexander III
14:14	7,060	125	3 AP	1 hit	Imp Alexander III
14:15	7,217	196	2 AP		Imp Alexander III
14:16	7,459	276	3 AP		Imp Alexander III
14:17	7,748	325	2 AP		Imp Alexander III
14:18	8,072	356	3 HE	1 hit	Imp Alexander III
14:19	8,419	370	2 HE		Imp Alexander III
14:20	8,812	412	2 HE		Imp Alexander III
14:21	9,245	453	3 HE		Imp Alexander III
14:23	9,667	-129	1 HE		Imp Alexander III
14:25	9,500	-69	1 HE		Imp Alexander III
14:26	9,401	-67	1 HE		Imp Alexander III
14:27	9,302	-99	1 HE		Imp Alexander III
14:28	9,183	-121	1 HE		Imp Alexander III
14:30	8,877	-152	1 HE		Imp Alexander III
14:31	8,726	-150	1 HE		Imp Alexander III
14:32	8,553	-87	1 HE		Imp Alexander III
14:34	7,684	-490	1 AP		Imp Alexander III
14:35	7,195	-490	1 AP		Imp Alexander III
14:36	6,705	-490	1 AP		Imp Alexander III
14:37	6,234	-89	2 AP	1 hit	Imp Alexander III
14:38	6,150	-91	2 AP	1 hit	Imp Alexander III
14:39	6,066	-97	2 AP		Imp Alexander III
14:40	5,985	-81	3 AP		Imp Alexander III
14:41	5,906	-77	2 AP		Imp Alexander III
14:42	5,841	-63	2 AP	1 hit	Imp Alexander III
14:43	5,888	183	3 AP		Imp Alexander III
14:44	6,075	189	2 AP		Imp Alexander III
14:45	6,266	195	3 AP		Imp Alexander III
14:46	6,463	198	1 AP		Imp Alexander III
14:47	6,665	204	2 AP		Imp Alexander III
14:48	6,518	-276	2 AP		Imp Alexander III
14:49	6,253	-251	1 AP		Imp Alexander III
14:50	5,984	-259	2 AP		Imp Alexander III
14:51	5,720	-260	1 AP		Imp Alexander III
14:52	5,464	-253	2 AP		Imp Alexander III
14:53	5,214	-246	2 AP		Imp Alexander III
14:54	4,974	-197	1 AP		Imp Alexander III
14:55	4,744	-187	2 AP		Imp Alexander III
14:56	4,864	-192	1 AP		Borodino
14:57	4,679	-178	2 AP		Borodino
14:58	4,510	-159	1 AP		Borodino
14:59	4,359	-144	2 AP		Borodino
15:00	4,616	259	2 AP		Borodino
15:01	4,887	252	2 AP		Borodino
15:02	5,140	253	1 AP		Borodino

15:03	5,086	-94	2 AP		Borodino
15:04	5,038	-90	2 AP		Borodino
15:05	4,924	-113	1 AP		Borodino
30cm/40	Primary	Total	148 shells	6 hits	4.1%

Combined Fleet, Shikisima, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:53	9,893	-719	6 HE		Imp Alexander III
13:54	9,194	-679	5 HE		Imp Alexander III
13:55	8,532	-636	7 HE		Imp Alexander III
13:56	7,917	-590	8 HE		Imp Alexander III
13:57	7,362	-516	9 HE		Imp Alexander III
13:58	7,075	-204	11 HE		Imp Alexander III
13:59	6,919	-105	11 HE		Imp Alexander III
14:00	6,871	6	10 HE		Imp Alexander III
14:01	6,930	111	13 HE		Imp Alexander III
14:02	7,096	215	13 HE		Imp Alexander III
14:03	6,989	-128	11 HE		Imp Alexander III
14:04	6,916	-14	12 HE	1 hit	Imp Alexander III
14:05	6,958	105	13 HE		Imp Alexander III
14:06	7,112	213	8 HE		Imp Alexander III
14:07	7,372	302	8 HE		Imp Alexander III
14:08	7,155	-260	9 HE		Imp Alexander III
14:09	6,943	-142	10 HE		Imp Alexander III
14:10	6,843	-45	12 HE		Imp Alexander III
14:11	6,859	81	11 HE		Imp Alexander III
14:12	6,992	189	10 HE		Imp Alexander III
14:13	6,992	30	8 HE		Imp Alexander III
14:14	7,060	125	8 HE		Imp Alexander III
14:15	7,217	196	11 HE		Imp Alexander III
14:16	7,459	276	10 HE		Imp Alexander III
14:17	7,748	325	10 HE		Imp Alexander III
14:18	8,072	356	9 HE		Imp Alexander III
14:19	8,419	370	8 HE		Imp Alexander III
14:20	8,812	412	8 HE		Imp Alexander III
14:21	9,245	453	6 HE		Imp Alexander III
14:22	9,745	514	5 HE		Imp Alexander III
14:24	9,569	-66	1 HE		Imp Alexander III
14:25	9,500	-69	2 HE		Imp Alexander III
14:26	9,401	-67	1 HE		Imp Alexander III
14:27	9,302	-99	1 HE		Imp Alexander III
14:28	9,183	-121	1 HE		Imp Alexander III
14:29	9,029	-121	1 HE		Imp Alexander III
14:30	8,877	-152	1 HE		Imp Alexander III
14:31	8,726	-150	1 HE		Imp Alexander III
14:32	8,553	-87	6 HE		Imp Alexander III
14:33	8,174	-496	8 HE		Imp Alexander III
14:34	7,684	-490	9 HE		Imp Alexander III
14:35	7,195	-490	10 HE		Imp Alexander III
14:36	6,705	-490	11 HE		Imp Alexander III
14:37	6,234	-89	11 HE		Imp Alexander III
14:38	6,150	-91	15 HE	1 hit	Imp Alexander III
14:39	6,066	-97	14 HE	1 hit	Imp Alexander III
14:40	5,985	-81	16 HE		Imp Alexander III
14:41	5,906	-77	15 HE		Imp Alexander III
14:42	5,841	-63	15 HE		Imp Alexander III
14:43	5,888	183	13 HE		Imp Alexander III
14:44	6,075	189	12 HE		Imp Alexander III
14:45	6,266	195	10 HE		Imp Alexander III
14:46	6,463	198	13 HE		Imp Alexander III
14:47	6,665	204	11 HE		Imp Alexander III
14:48	6,518	-276	12 HE		Imp Alexander III
14:49	6,253	-251	12 HE		Imp Alexander III
14:50	5,984	-259	12 HE		Imp Alexander III
14:51	5,720	-260	17 HE	1 hit	Imp Alexander III
14:52	5,464	-253	15 HE		Imp Alexander III
14:53	5,214	-246	20 HE	1 hit	Imp Alexander III
14:54	4,974	-197	22 HE		Imp Alexander III
14:55	4,744	-187	22 HE	2 hits	Imp Alexander III
14:56	4,864	-192	22 HE		Borodino
14:57	4,679	-178	22 HE		Borodino
14:58	4,510	-159	22 HE		Borodino
14:59	4,359	-144	22 HE		Borodino
15:00	4,616	259	21 HE		Borodino
15:01	4,887	252	21 HE		Borodino
15:02	5,140	253	18 HE		Borodino

15:03	5,086	-94	12	HE	1 hit	Borodino
15:04	5,038	-90	16	HE	1 hit	Borodino
15:05	4,924	-113	15	HE	1 hit	Borodino
15:06	4,813	-26	18	HE		Borodino
15:07	4,923	-26	3	HE		Kniaz Suvorow
15:08	5,223	313	4	HE		Kniaz Suvorow
15:09	5,536	314	2	HE		Kniaz Suvorow
15:10	5,620	85	2	HE		Kniaz Suvorow
15:11	5,581	-38	2	HE		Kniaz Suvorow
15:12	5,648	66	8	HE		Kniaz Suvorow
15:13	5,733	86	11	HE		Kniaz Suvorow
15:14	5,819	86	10	HE		Kniaz Suvorow
15:15	5,904	86	10	HE		Kniaz Suvorow
15:16	5,990	86	9	HE		Kniaz Suvorow
15:17	6,073	83	7	HE		Kniaz Suvorow
15:18	6,156	84	8	HE		Kniaz Suvorow
15:19	6,240	84	5	HE		Kniaz Suvorow
15:20	6,324	85	7	HE		Kniaz Suvorow
15:21	6,408	85	6	HE		Kniaz Suvorow
15:22	6,580	173	4	HE		Kniaz Suvorow
15:23	6,775	195	5	HE		Kniaz Suvorow
15:24	6,971	196	4	HE		Kniaz Suvorow
15:25	7,167	196	2	HE		Kniaz Suvorow
15:26	7,364	197	3	HE		Kniaz Suvorow
15:27	7,585	222	3	HE		Kniaz Suvorow
15:28	7,807	222	3	HE		Kniaz Suvorow
15:29	8,030	223	2	HE		Kniaz Suvorow
15:30	8,254	225	3	HE		Kniaz Suvorow
15:31	8,479	225	3	HE		Kniaz Suvorow
15:34	9,444	401	2	HE		Kniaz Suvorow
15:35	9,864	422	1	HE		Kniaz Suvorow
15cm/40 Secondary Total 948 shells 10 hits 1.1%						

Combined Fleet, Fuji

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:50	14,075	-737	1 HE		Osliabia
13:51	13,344	-719	1 HE		Osliabia
13:52	11,462	-763	1 HE		Borodino
13:53	10,705	-746	1 HE		Borodino
13:54	9,973	-719	2 HE		Borodino
13:56	8,603	-647	1 HE		Borodino
13:57	7,983	-590	4 HE		Borodino
13:59	7,088	-218	4 HE		Borodino
14:00	6,921	-120	3 AP		Borodino
14:01	6,860	-9	2 AP		Borodino
14:02	6,908	96	2 AP		Borodino
14:03	7,062	200	2 AP		Borodino
14:04	7,009	-143	2 AP		Borodino
14:05	6,923	-29	3 AP		Borodino
14:06	6,952	90	1 AP		Borodino
14:07	7,094	197	3 AP		Borodino
14:08	7,342	302	2 AP		Borodino
14:09	7,188	-275	2 AP		Borodino
14:10	6,964	-156	3 AP		Borodino
14:11	6,851	-60	1 AP		Borodino
14:12	6,854	65	3 AP		Borodino
14:14	6,954	30	5 AP		Borodino
14:15	7,016	125	1 AP		Borodino
14:16	7,168	196	3 AP	1 hit	Borodino
14:17	7,379	250	1 AP		Borodino
14:18	7,635	285	3 AP		Borodino
14:19	7,923	314	2 AP		Borodino
14:20	8,265	370	3 HE		Borodino
14:21	8,654	412	1 HE		Borodino
14:22	9,116	485	3 HE		Borodino
14:23	9,647	547	3 HE		Borodino
14:25	9,543	-66	1 HE		Borodino
14:26	9,443	-69	2 HE		Borodino
14:28	9,243	-99	3 HE		Borodino
14:30	8,942	-121	1 HE		Borodino
14:31	8,789	-152	2 HE		Borodino
14:33	8,413	-113	2 HE		Borodino
14:34	8,182	-489	1 HE		Borodino
14:35	7,693	-482	2 AP		Borodino
14:37	6,707	-497	1 HE		Borodino
14:38	6,263	-92	3 AP		Borodino
14:39	6,179	-97	2 AP		Borodino
14:40	6,097	-97	2 AP		Borodino
14:41	6,018	-96	4 AP		Borodino
14:42	5,934	-84	2 AP		Borodino
14:43	5,861	-70	2 AP		Borodino
14:44	5,826	189	4 AP		Borodino
14:45	6,017	195	2 AP		Borodino
14:46	6,213	198	2 AP		Borodino
14:47	6,415	204	4 AP		Borodino
14:48	6,620	207	1 AP		Borodino
14:49	6,581	-57	4 AP	2 hits	Borodino
14:50	6,324	-259	2 AP		Borodino
14:51	6,059	-254	2 AP		Borodino
14:52	5,801	-257	4 AP		Borodino
14:53	5,549	-246	1 AP		Borodino
14:54	5,305	-239	4 AP	1 hit	Borodino
14:55	5,071	-231	1 AP		Borodino
14:56	4,847	-218	3 AP		Borodino
14:57	4,635	-206	3 AP		Borodino
14:58	4,436	-192	1 AP		Borodino
14:59	4,642	-154	4 AP		Orel
15:00	4,478	-157	1 AP		Orel
15:01	5,243	-170	4 AP		Osliabia
15:02	5,080	-163	1 AP		Osliabia
15:03	4,889	-143	4 AP	1 hit	Osliabia
15:05	4,714	-81	5 AP		Osliabia
15:06	5,117	31	1 AP		Borodino
15:07	5,031	-86	3 AP		Borodino

15:08	4,943	-24	2 AP		Borodino
15:09	4,903	-38	2 AP		Borodino
15:10	4,868	-33	4 AP		Borodino
15:12	4,808	-19	3 AP	1 hit	Borodino
15:13	4,803	2	4 AP	2 hits	Borodino
15:15	4,667	-65	4 AP		Borodino
15:16	4,633	456	1 AP		Borodino
15:17	4,680	48	1 AP		Borodino
15:18	4,750	108	3 AP	1 hit	Borodino
15:19	4,800	88	1 AP		Borodino
15:20	4,563	73	4 AP		Osliabia
15:21	4,636	73	2 AP		Osliabia
15:22	4,904	197	2 AP	1 hit	Osliabia
15:23	5,103	201	4 AP		Osliabia
15:24	5,306	204	2 AP		Osliabia
15:25	5,511	208	1 AP		Osliabia
15:26	5,721	210	4 AP		Osliabia
15:27	6,058	337	1 AP		Osliabia
15:28	6,366	308	2 AP		Osliabia
15:30	6,982	308	1 AP		Osliabia
15:31	7,290	308	1 AP		Osliabia
15:37	8,837	10	1 HE		Osliabia
15:41	9,055	65	1 HE		Osliabia
30cm/40	Primary Total	211 shells	10 hits	4.7%	

Combined Fleet, Fuji, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:55	9,270	-689	5 HE		Borodino
13:56	8,603	-647	4 HE		Borodino
13:57	7,983	-590	6 HE		Borodino
13:58	7,420	-529	6 HE		Borodino
13:59	7,088	-218	8 HE		Borodino
14:00	6,921	-120	7 HE		Borodino
14:01	6,860	-9	9 HE		Borodino
14:02	6,908	96	9 HE		Borodino
14:03	7,062	200	10 HE		Borodino
14:04	7,009	-143	10 HE		Borodino
14:05	6,923	-29	8 HE	1 hit	Borodino
14:06	6,952	90	9 HE		Borodino
14:07	7,094	197	9 HE		Borodino
14:08	7,342	302	6 HE		Borodino
14:09	7,188	-275	5 HE		Borodino
14:10	6,964	-156	8 HE		Borodino
14:11	6,851	-60	8 HE		Borodino
14:12	6,854	65	8 HE		Borodino
14:13	6,975	174	9 HE		Borodino
14:14	6,954	30	5 HE		Borodino
14:15	7,016	125	8 HE		Borodino
14:16	7,168	196	8 HE		Borodino
14:17	7,379	250	8 HE		Borodino
14:18	7,635	285	6 HE		Borodino
14:19	7,923	314	7 HE		Borodino
14:20	8,265	370	6 HE		Borodino
14:21	8,654	412	5 HE		Borodino
14:22	9,116	485	5 HE		Borodino
14:23	9,647	547	4 HE		Borodino
14:25	9,543	-66	1 HE		Borodino
14:26	9,443	-69	1 HE		Borodino
14:27	9,343	-67	1 HE		Borodino
14:28	9,243	-99	1 HE		Borodino
14:29	9,096	-123	1 HE		Borodino
14:30	8,942	-121	1 HE		Borodino
14:31	8,789	-152	1 HE		Borodino
14:32	8,609	-180	2 HE		Borodino
14:33	8,413	-113	4 HE		Borodino
14:34	8,182	-489	4 HE		Borodino
14:35	7,693	-482	6 HE		Borodino
14:36	7,203	-489	7 HE		Borodino
14:37	6,707	-497	7 HE	1 hit	Borodino
14:38	6,263	-92	8 HE		Borodino
14:39	6,179	-97	8 HE	1 hit	Borodino
14:40	6,097	-97	9 HE		Borodino
14:41	6,018	-96	11 HE		Borodino
14:42	5,934	-84	10 HE		Borodino
14:43	5,861	-70	8 HE		Borodino
14:44	5,826	189	11 HE		Borodino
14:45	6,017	195	10 HE		Borodino
14:46	6,213	198	10 HE		Borodino
14:47	6,415	204	11 HE	1 hit	Borodino
14:48	6,620	207	9 HE		Borodino
14:49	6,581	-57	7 HE		Borodino
14:50	6,324	-259	10 HE		Borodino
14:51	6,059	-254	10 HE		Borodino
14:52	5,801	-257	13 HE		Borodino
14:53	5,549	-246	13 HE		Borodino
14:54	5,305	-239	13 HE		Borodino
14:55	5,071	-231	12 HE		Borodino
14:56	4,847	-218	16 HE		Borodino
14:57	4,635	-206	15 HE		Borodino
14:58	4,436	-192	17 HE		Borodino
14:59	4,642	-154	15 HE		Orel
15:00	4,478	-157	14 HE		Orel
15:01	5,243	-170	12 HE		Osliabia
15:02	5,080	-163	11 HE		Osliabia
15:03	4,889	-143	9 HE		Osliabia
15:04	4,815	-74	8 HE		Osliabia

15:05	4,714	-81	12	HE			Osliabia
15:06	5,117	31	10	HE			Borodino
15:07	5,031	-86	10	HE			Borodino
15:08	4,943	-24	7	HE			Borodino
15:09	4,903	-38	10	HE			Borodino
15:10	4,868	-33	10	HE	1 hit		Borodino
15:11	4,836	-31	11	HE			Borodino
15:12	4,808	-19	10	HE	1 hit		Borodino
15:13	4,803	2	9	HE			Borodino
15:14	4,734	-67	10	HE			Borodino
15:15	4,667	-65	8	HE			Borodino
15:16	4,633	456	2	HE			Borodino
15:17	4,680	48	1	HE			Borodino
15:18	4,750	108	11	HE			Borodino
15:19	4,800	88	11	HE			Borodino
15:20	4,563	73	12	HE			Osliabia
15:21	4,636	73	9	HE	1 hit		Osliabia
15:22	4,904	197	8	HE			Osliabia
15:23	5,103	201	8	HE			Osliabia
15:24	5,306	204	8	HE			Osliabia
15:25	5,511	208	5	HE			Osliabia
15:26	5,721	210	4	HE			Osliabia
15:27	6,058	337	2	HE			Osliabia
15:28	6,366	308	2	HE			Osliabia
15:29	6,674	308	1	HE			Osliabia
15:30	6,982	308	1	HE			Osliabia
15:31	7,290	308	1	HE			Osliabia
15:35	8,784	315	1	HE			Osliabia
15cm/40	Secondary	Total	737	shells	7 hits	0.9%	

Combined Fleet, Asahi

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:50	12,588	-795	1 HE		Kniaz Suvorow
13:51	11,805	-771	1 HE		Kniaz Suvorow
13:52	11,039	-755	1 HE		Kniaz Suvorow
13:54	10,788	-746	1 HE		Orel
13:55	10,053	-719	1 HE		Orel
13:56	9,346	-689	1 HE		Orel
13:57	8,675	-647	2 HE		Orel
13:58	8,049	-602	3 HE		Orel
13:59	7,480	-542	4 AP		Orel
14:00	7,103	-233	3 AP		Orel
14:01	6,925	-134	4 AP		Orel
14:02	6,852	-24	3 AP		Orel
14:03	6,887	96	3 AP	1 hit	Orel
14:04	7,030	200	3 AP		Orel
14:05	7,030	-158	3 AP		Orel
14:06	6,932	-29	3 AP	1 hit	Orel
14:07	6,948	74	3 AP		Orel
14:08	7,078	182	2 AP		Orel
14:09	7,314	287	3 AP		Orel
14:10	7,222	-290	3 AP		Orel
14:11	6,986	-171	3 AP	1 hit	Orel
14:12	6,860	-60	4 AP		Orel
14:13	6,851	49	3 AP		Orel
14:14	6,958	158	2 AP		Orel
14:15	6,917	30	3 AP		Orel
14:16	6,973	111	3 AP		Orel
14:17	7,096	158	4 AP		Orel
14:18	7,273	211	3 AP		Orel
14:19	7,493	257	3 AP		Orel
14:20	7,775	314	2 AP		Orel
14:21	8,111	359	3 HE		Orel
14:22	8,527	444	3 HE		Orel
14:23	9,019	507	3 HE		Orel
14:24	9,582	580	3 HE		Orel
14:26	9,485	-66	2 HE		Orel
14:27	9,385	-69	1 HE		Orel
14:28	9,285	-69	2 HE		Orel
14:29	9,153	-99	2 HE		Orel
14:30	9,009	-123	1 HE		Orel
14:31	8,855	-121	2 HE		Orel
14:32	8,674	-181	2 HE		Orel
14:33	8,465	-208	1 HE		Orel
14:34	8,247	-141	2 HE		Orel
14:35	8,109	-138	1 HE		Orel
14:36	7,706	-489	1 AP		Orel
14:37	7,209	-481	2 AP		Orel
14:38	6,712	-497	1 AP		Orel
14:39	6,291	-90	3 AP		Orel
14:40	6,209	-97	3 AP		Orel
14:41	6,130	-96	3 AP	1 hit	Orel
14:42	6,045	-86	3 AP		Orel
14:43	5,972	-70	3 AP		Orel
14:44	5,914	-56	3 AP		Orel
14:45	5,862	-50	3 AP		Orel
14:46	5,963	198	3 AP		Orel
14:47	6,155	204	3 AP		Orel
14:48	6,361	207	3 AP	1 hit	Orel
14:49	6,572	213	3 AP		Orel
14:50	6,535	-52	3 AP		Orel
14:51	6,398	-256	3 AP		Orel
14:52	6,138	-251	3 AP		Orel
14:53	5,884	-250	3 AP		Orel
14:54	5,638	-242	4 AP		Orel
14:55	5,400	-235	3 AP		Orel
14:56	5,171	-223	3 AP		Orel
14:57	4,953	-210	3 AP		Orel
14:58	5,578	-242	3 AP		Osliabia
14:59	5,429	-146	4 AP		Osliabia
15:00	5,284	-143	3 AP		Osliabia

15:01	5,138	-144	4 AP		Osliabia
15:02	5,339	-137	3 AP	1 hit	Sissoi Veliki
15:03	5,229	-107	2 AP		Sissoi Veliki
15:04	5,149	-80	3 AP		Sissoi Veliki
15:05	4,954	-93	2 AP		Sissoi Veliki
15:06	4,861	-90	3 AP		Sissoi Veliki
15:07	4,854	-92	2 AP		Osliabia
15:08	4,783	-71	3 AP		Osliabia
15:09	4,712	-70	2 AP		Osliabia
15:10	4,654	-59	2 AP	1 hit	Osliabia
15:11	4,604	7	3 AP		Osliabia
15:12	4,570	-4	2 AP		Osliabia
15:13	4,552	-5	3 AP		Osliabia
15:14	4,567	-36	3 AP	1 hit	Osliabia
15:15	4,545	-23	2 AP	1 hit	Osliabia
15:16	4,522	-23	3 AP		Osliabia
15:17	4,331	61	3 AP		Osliabia
15:18	4,416	73	2 AP		Osliabia
15:19	4,490	73	3 AP		Osliabia
15:20	4,563	73	2 AP		Osliabia
15:21	4,636	73	3 AP	1 hit	Osliabia
15:22	4,904	197	3 AP	1 hit	Osliabia
15:23	5,103	201	2 AP		Osliabia
15:24	5,306	204	3 AP		Osliabia
15:25	5,511	208	2 AP		Osliabia
15:26	5,720	210	3 AP		Osliabia
15:27	6,073	355	2 AP		Osliabia
15:28	6,429	357	3 AP		Osliabia
15:29	6,775	347	2 AP	1 hit	Osliabia
15:30	7,110	335	2 AP		Osliabia
15:31	7,433	323	1 AP		Osliabia
15:33	8,176	251	1 HE		Osliabia
15:34	8,435	270	1 HE		Osliabia
15:35	8,714	291	1 HE		Osliabia
30cm/40	Primary Total	259 shells	12 hits	4.6%	

Combined Fleet, Asahi, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:56	9,346	-689	6 HE		Orel
13:57	8,675	-647	7 HE		Orel
13:58	8,049	-602	8 HE		Orel
13:59	7,480	-542	10 HE		Orel
14:00	7,103	-233	11 HE		Orel
14:01	6,925	-134	8 HE		Orel
14:02	6,852	-24	12 HE		Orel
14:03	6,887	96	12 HE		Orel
14:04	7,030	200	14 HE		Orel
14:05	7,030	-158	12 HE	1 hit	Orel
14:06	6,932	-29	14 HE	1 hit	Orel
14:07	6,948	74	13 HE		Orel
14:08	7,078	182	13 HE	1 hit	Orel
14:09	7,314	287	9 HE	1 hit	Orel
14:10	7,222	-290	7 HE		Orel
14:11	6,986	-171	12 HE		Orel
14:12	6,860	-60	11 HE		Orel
14:13	6,851	49	12 HE		Orel
14:14	6,958	158	11 HE		Orel
14:15	6,917	30	7 HE		Orel
14:16	6,973	111	11 HE		Orel
14:17	7,096	158	12 HE		Orel
14:18	7,273	211	8 HE		Orel
14:19	7,493	257	11 HE		Orel
14:20	7,775	314	10 HE		Orel
14:21	8,111	359	8 HE		Orel
14:22	8,527	444	8 HE		Orel
14:23	9,019	507	7 HE		Orel
14:24	9,582	580	6 HE		Orel
14:26	9,485	-66	1 HE		Orel
14:27	9,385	-69	1 HE		Orel
14:28	9,285	-69	1 HE		Orel
14:29	9,153	-99	1 HE		Orel
14:30	9,009	-123	1 HE		Orel
14:31	8,855	-121	1 HE		Orel
14:32	8,674	-181	1 HE		Orel
14:33	8,465	-208	2 HE		Orel
14:34	8,247	-141	7 HE		Orel
14:35	8,109	-138	7 HE		Orel
14:36	7,706	-489	9 HE		Orel
14:37	7,209	-481	8 HE	2 hits	Orel
14:38	6,712	-497	9 HE		Orel
14:39	6,291	-90	10 HE		Orel
14:40	6,209	-97	14 HE		Orel
14:41	6,130	-96	15 HE		Orel
14:42	6,045	-86	15 HE		Orel
14:43	5,972	-70	14 HE	2 hits	Orel
14:44	5,914	-56	16 HE		Orel
14:45	5,862	-50	15 HE		Orel
14:46	5,963	198	15 HE		Orel
14:47	6,155	204	13 HE		Orel
14:48	6,361	207	16 HE	1 hit	Orel
14:49	6,572	213	13 HE		Orel
14:50	6,535	-52	11 HE		Orel
14:51	6,398	-256	14 HE		Orel
14:52	6,138	-251	14 HE		Orel
14:53	5,884	-250	12 HE		Orel
14:54	5,638	-242	19 HE		Orel
14:55	5,400	-235	19 HE		Orel
14:56	5,171	-223	17 HE		Orel
14:57	4,953	-210	20 HE		Orel
14:58	5,578	-242	15 HE		Osliabia
14:59	5,429	-146	18 HE		Osliabia
15:00	5,284	-143	18 HE		Osliabia
15:01	5,138	-144	19 HE	1 hit	Osliabia
15:02	5,339	-137	16 HE		Sissoi Veliki
15:03	5,229	-107	13 HE		Sissoi Veliki
15:04	5,149	-80	16 HE		Sissoi Veliki
15:05	4,954	-93	18 HE		Sissoi Veliki

15:06	4,861	-90	21 HE	2 hits	Sissoi Veliki
15:07	4,854	-92	14 HE		Osliabia
15:08	4,783	-71	17 HE	2 hits	Osliabia
15:09	4,712	-70	17 HE		Osliabia
15:10	4,654	-59	15 HE		Osliabia
15:11	4,604	7	18 HE		Osliabia
15:12	4,570	-4	20 HE	1 hit	Osliabia
15:13	4,552	-5	17 HE		Osliabia
15:14	4,567	-36	11 HE		Osliabia
15:15	4,545	-23	16 HE	1 hit	Osliabia
15:16	4,522	-23	15 HE		Osliabia
15:17	4,331	61	13 HE		Osliabia
15:18	4,416	73	17 HE		Osliabia
15:19	4,490	73	15 HE		Osliabia
15:20	4,563	73	17 HE	2 hits	Osliabia
15:21	4,636	73	17 HE	1 hit	Osliabia
15:22	4,904	197	14 HE		Osliabia
15:23	5,103	201	13 HE	1 hit	Osliabia
15:24	5,306	204	12 HE		Osliabia
15:25	5,511	208	10 HE		Osliabia
15:26	5,720	210	8 HE		Osliabia
15:27	6,073	355	8 HE		Osliabia
15:28	6,429	357	8 HE		Osliabia
15:29	6,775	347	6 HE		Osliabia
15:30	7,110	335	3 HE		Osliabia
15:31	7,433	323	3 HE		Osliabia
15:34	8,435	270	2 HE		Osliabia
15:35	8,714	291	2 HE		Osliabia
15:36	9,012	305	1 HE		Osliabia
15cm/40	Secondary	Total	1104 shells	20 hits	1.8%

Combined Fleet, Kasuga

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:55	9,423	-689	2 HE		Kniaz Suvorow
13:56	8,748	-658	1 HE		Kniaz Suvorow
13:57	8,331	-388	2 HE		Kniaz Suvorow
13:58	7,989	-302	1 HE		Kniaz Suvorow
13:59	7,723	-218	2 HE		Kniaz Suvorow
14:00	7,548	-130	1 AP		Kniaz Suvorow
14:01	7,469	-24	1 AP		Kniaz Suvorow
14:02	7,098	-325	2 AP		Kniaz Suvorow
14:03	6,837	-208	1 AP		Kniaz Suvorow
14:04	6,665	-117	1 AP		Kniaz Suvorow
14:05	6,607	6	1 AP		Kniaz Suvorow
14:06	6,650	59	1 AP		Kniaz Suvorow
14:07	6,488	-117	1 AP		Kniaz Suvorow
14:08	6,438	-3	1 AP		Kniaz Suvorow
14:09	6,467	78	2 AP		Kniaz Suvorow
14:10	6,593	174	1 AP		Kniaz Suvorow
14:11	6,713	-76	1 AP		Kniaz Suvorow
14:12	6,836	183	1 AP		Kniaz Suvorow
14:13	7,070	288	1 AP		Kniaz Suvorow
14:14	7,405	375	1 AP		Kniaz Suvorow
14:15	7,829	458	1 AP		Kniaz Suvorow
14:16	8,204	155	1 HE		Kniaz Suvorow
14:17	8,373	198	1 HE		Kniaz Suvorow
14:18	8,569	236	1 HE		Kniaz Suvorow
14:19	8,802	257	1 HE		Kniaz Suvorow
14:20	9,087	314	1 HE		Kniaz Suvorow
14:21	9,419	359	1 HE		Kniaz Suvorow
14:22	9,824	414	1 HE		Kniaz Suvorow
14:23	10,244	427	1 HE		Kniaz Suvorow
14:24	10,706	469	1 HE		Kniaz Suvorow
14:25	11,209	505	1 HE		Kniaz Suvorow
14:27	11,466	-18	1 HE		Kniaz Suvorow
14:28	11,318	-49	1 HE		Kniaz Suvorow
14:30	10,993	-112	1 HE		Kniaz Suvorow
14:31	10,816	-145	1 HE		Kniaz Suvorow
14:32	10,242	-569	1 HE		Kniaz Suvorow
14:33	9,686	-560	2 HE		Kniaz Suvorow
14:34	9,133	-548	1 HE		Kniaz Suvorow
14:35	8,522	-538	1 HE		Kniaz Suvorow
14:36	8,041	-481	2 HE		Kniaz Suvorow
14:37	7,561	-479	1 AP		Kniaz Suvorow
14:38	7,083	-477	1 AP		Kniaz Suvorow
14:39	6,608	-125	1 AP		Kniaz Suvorow
14:40	6,137	-407	2 AP		Kniaz Suvorow
14:41	6,046	-101	1 AP		Kniaz Suvorow
14:42	6,171	128	1 AP		Kniaz Suvorow
14:43	6,269	122	1 AP		Kniaz Suvorow
14:44	6,389	122	1 AP		Kniaz Suvorow
14:45	6,510	123	1 AP		Kniaz Suvorow
14:46	6,638	131	1 AP		Kniaz Suvorow
14:47	6,566	-70	1 AP		Kniaz Suvorow
14:48	6,501	-64	2 AP		Kniaz Suvorow
14:49	6,438	-61	1 AP		Kniaz Suvorow
14:50	6,379	-55	1 AP		Kniaz Suvorow
14:51	6,206	-311	1 AP		Kniaz Suvorow
14:52	5,913	-310	1 AP		Kniaz Suvorow
14:53	5,587	-308	1 AP		Kniaz Suvorow
14:54	5,280	-306	2 AP		Kniaz Suvorow
14:55	4,976	-302	1 AP		Kniaz Suvorow
14:56	4,675	-300	1 AP	1 hit	Kniaz Suvorow
14:57	4,756	92	1 AP		Kniaz Suvorow
14:58	4,800	80	2 AP	1 hit	Kniaz Suvorow
14:59	4,917	126	1 AP		Kniaz Suvorow
15:00	5,048	140	1 AP		Kniaz Suvorow
15:01	5,192	153	1 AP		Kniaz Suvorow
15:02	5,349	162	1 AP		Kniaz Suvorow
15:03	5,518	175	1 AP		Kniaz Suvorow
15:04	5,698	184	1 AP		Kniaz Suvorow
15:05	5,886	191	2 AP		Kniaz Suvorow

15:06	6,006	-139	1 AP	Kniaz Suvorow
15:07	5,609	-150	1 AP	Borodino
15:08	5,503	-64	1 AP	Borodino
15:09	5,481	-42	1 AP	Borodino
15:10	5,480	-21	2 AP	Borodino
15:11	5,460	-20	1 AP	Borodino
15:12	5,782	-24	1 AP	Kniaz Suvorow
15:13	5,759	-22	1 AP	Kniaz Suvorow
15:14	5,737	-21	1 AP	Kniaz Suvorow
15:15	5,716	-21	2 AP	Kniaz Suvorow
15:16	5,695	-20	1 AP	Kniaz Suvorow
15:17	5,698	2	1 AP	Kniaz Suvorow
15:18	5,666	-31	1 AP	Kniaz Suvorow
15:19	5,635	-31	1 AP	Kniaz Suvorow
15:20	5,603	-31	1 AP	Kniaz Suvorow
15:21	5,572	-31	2 AP	Kniaz Suvorow
25cm/40/R Primary Total 100 shells 2 hits 2%				

Combined Fleet, Kasuga, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:57	8,331	-388	4 HE		Kniaz Suvorow
13:58	7,989	-302	3 HE		Kniaz Suvorow
13:59	7,723	-218	4 HE		Kniaz Suvorow
14:00	7,548	-130	4 HE		Kniaz Suvorow
14:01	7,469	-24	4 HE		Kniaz Suvorow
14:02	7,098	-325	3 HE		Kniaz Suvorow
14:03	6,837	-208	4 HE		Kniaz Suvorow
14:04	6,665	-117	3 HE		Kniaz Suvorow
14:05	6,607	6	3 HE		Kniaz Suvorow
14:06	6,650	59	3 HE		Kniaz Suvorow
14:07	6,488	-117	3 HE		Kniaz Suvorow
14:08	6,438	-3	3 HE		Kniaz Suvorow
14:09	6,467	78	3 HE		Kniaz Suvorow
14:10	6,593	174	3 HE		Kniaz Suvorow
14:11	6,713	-76	4 HE		Kniaz Suvorow
14:12	6,836	183	2 HE		Kniaz Suvorow
14:13	7,070	288	3 HE		Kniaz Suvorow
14:14	7,405	375	3 HE		Kniaz Suvorow
14:15	7,829	458	3 HE		Kniaz Suvorow
14:16	8,204	155	1 HE		Kniaz Suvorow
14:17	8,373	198	3 HE		Kniaz Suvorow
14:18	8,569	236	2 HE		Kniaz Suvorow
14:19	8,802	257	2 HE		Kniaz Suvorow
14:20	9,087	314	3 HE		Kniaz Suvorow
14:21	9,419	359	2 HE		Kniaz Suvorow
14:22	9,824	414	2 HE		Kniaz Suvorow
14:23	10,244	427	2 HE		Kniaz Suvorow
14:24	10,706	469	2 HE		Kniaz Suvorow
14:25	11,209	505	1 HE		Kniaz Suvorow
14:39	6,608	-125	4 HE		Kniaz Suvorow
14:41	6,046	-101	2 HE		Kniaz Suvorow
14:42	6,171	128	4 HE		Kniaz Suvorow
14:43	6,269	122	3 HE		Kniaz Suvorow
14:44	6,389	122	3 HE		Kniaz Suvorow
14:45	6,510	123	3 HE		Kniaz Suvorow
14:46	6,638	131	4 HE		Kniaz Suvorow
14:47	6,566	-70	2 HE		Kniaz Suvorow
14:48	6,501	-64	3 HE		Kniaz Suvorow
14:49	6,438	-61	3 HE	1 hit	Kniaz Suvorow
14:50	6,379	-55	3 HE		Kniaz Suvorow
14:51	6,206	-311	3 HE		Kniaz Suvorow
14:52	5,913	-310	3 HE		Kniaz Suvorow
14:53	5,587	-308	4 HE		Kniaz Suvorow
14:54	5,280	-306	3 HE		Kniaz Suvorow
14:55	4,976	-302	3 HE		Kniaz Suvorow
14:56	4,675	-300	3 HE		Kniaz Suvorow
14:57	4,756	92	4 HE		Kniaz Suvorow
14:58	4,800	80	3 HE		Kniaz Suvorow
14:59	4,917	126	3 HE	1 hit	Kniaz Suvorow
15:00	5,048	140	3 HE		Kniaz Suvorow
15:01	5,192	153	3 HE		Kniaz Suvorow
15:02	5,349	162	3 HE		Kniaz Suvorow
15:03	5,518	175	4 HE		Kniaz Suvorow
15:04	5,698	184	3 HE		Kniaz Suvorow
15:05	5,886	191	2 HE		Kniaz Suvorow
15:06	6,006	-139	3 HE		Kniaz Suvorow
15:07	5,609	-150	4 HE	1 hit	Borodino
15:08	5,503	-64	3 HE		Borodino
15:09	5,481	-42	3 HE		Borodino
15:10	5,480	-21	4 HE		Borodino
15:11	5,460	-20	2 HE		Borodino
15:12	5,782	-24	4 HE		Kniaz Suvorow
15:13	5,759	-22	3 HE		Kniaz Suvorow
15:14	5,737	-21	3 HE		Kniaz Suvorow
15:15	5,716	-21	4 HE		Kniaz Suvorow
15:16	5,695	-20	2 HE		Kniaz Suvorow
15:17	5,698	2	4 HE		Kniaz Suvorow
15:18	5,666	-31	3 HE		Kniaz Suvorow
15:19	5,635	-31	3 HE		Kniaz Suvorow

15:20	5,603	-31	3 HE	1 hit	Kniaz Suvorow
15:21	5,572	-31	4 HE	1 hit	Kniaz Suvorow
15:22	10,762	235	1 HE		Osliabia
15:23	10,277	169	2 HE		Osliabia
15:24	9,789	175	2 HE		Osliabia
15:25	9,277	180	2 HE		Osliabia
15:26	8,749	185	2 HE		Osliabia
15:27	8,324	273	2 HE		Osliabia
15:28	7,977	278	4 AP		Osliabia
15:29	7,701	281	4 AP		Osliabia
15:30	7,520	284	3 AP		Osliabia
15:31	7,448	248	3 AP		Osliabia
15:34	6,769	581	1 AP		Osliabia
15:35	7,011	248	1 AP		Osliabia
15:36	7,654	248	3 AP		Osliabia
15:38	7,956	581	3 AP		Osliabia
15:39	8,006	647	2 AP		Osliabia
15:40	8,122	683	3 AP		Osliabia
15:41	8,337	685	3 AP		Osliabia
15:42	8,564	691	1 AP		Osliabia
15:43	9,053	691	3 AP		Osliabia
15:44	9,571	694	2 AP		Osliabia
15:45	10,113	677	3 AP		Imp Nikolai I
15:46	10,675	677	1 AP		Imp Nikolai I
8in(203mm)/45 Secondary Total			266 shells	5 hits	1.9%

Combined Fleet, Nisshin

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:55	10,214	-728	1 HE		Imp Alexander III
13:56	9,500	-699	1 HE		Imp Alexander III
13:57	8,821	-658	2 HE		Imp Alexander III
13:58	8,371	-388	1 HE		Imp Alexander III
13:59	8,014	-316	8 HE		Imp Alexander III
14:00	7,739	-233	7 HE		Imp Alexander III
14:01	7,552	-144	8 HE		Imp Alexander III
14:02	7,462	-39	8 HE		Imp Alexander III
14:03	7,160	-339	2 HE		Imp Alexander III
14:04	6,657	-177	5 HE		Kniaz Suvorow
14:05	6,533	-71	7 HE		Kniaz Suvorow
14:06	6,527	53	7 HE		Kniaz Suvorow
14:07	6,649	43	8 HE		Imp Alexander III
14:08	6,539	-130	8 HE		Imp Alexander III
14:09	6,458	-16	8 HE		Imp Alexander III
14:10	6,476	64	6 HE		Imp Alexander III
14:11	6,591	161	7 HE	1 hit	Imp Alexander III
14:12	6,727	-107	5 HE		Imp Alexander III
14:13	6,813	167	7 HE		Imp Alexander III
14:14	7,254	332	8 HE		Kniaz Suvorow
14:15	7,628	417	7 HE		Kniaz Suvorow
14:16	8,099	513	2 HE		Kniaz Suvorow
14:17	8,494	145	1 HE		Kniaz Suvorow
14:18	8,646	185	2 HE		Kniaz Suvorow
14:19	8,840	221	1 HE		Kniaz Suvorow
14:20	9,087	268	2 HE		Kniaz Suvorow
14:21	9,384	314	1 HE		Kniaz Suvorow
14:22	9,769	394	1 HE		Kniaz Suvorow
14:23	10,170	408	1 HE		Kniaz Suvorow
14:24	10,616	452	1 HE		Kniaz Suvorow
14:25	11,104	494	1 HE		Kniaz Suvorow
14:27	11,954	-114	1 HE		Kniaz Suvorow
14:29	11,661	-79	1 HE		Kniaz Suvorow
14:30	11,484	-112	1 HE		Kniaz Suvorow
14:31	11,308	-143	1 HE		Kniaz Suvorow
14:32	10,736	-569	1 HE		Kniaz Suvorow
14:34	9,630	-548	2 HE		Kniaz Suvorow
14:35	9,087	-538	2 HE		Kniaz Suvorow
14:36	8,554	-527	3 HE		Kniaz Suvorow
14:37	8,014	-474	3 HE		Kniaz Suvorow
14:38	7,540	-472	4 HE		Kniaz Suvorow
14:39	7,070	-469	4 HE		Kniaz Suvorow
14:40	6,635	-432	3 HE		Kniaz Suvorow
14:41	6,236	-393	4 HE		Kniaz Suvorow
14:42	6,322	92	8 HE		Kniaz Suvorow
14:43	6,405	100	7 HE		Kniaz Suvorow
14:44	6,165	118	7 HE		Imp Alexander III
14:45	6,282	123	5 HE	1 hit	Imp Alexander III
14:46	6,407	131	6 HE		Imp Alexander III
14:47	6,541	139	8 HE		Imp Alexander III
14:48	6,579	-64	7 HE		Imp Alexander III
14:49	6,516	-58	6 HE		Imp Alexander III
14:50	6,458	-55	8 HE		Imp Alexander III
14:51	6,404	-52	8 HE	1 hit	Imp Alexander III
14:52	6,249	-310	6 HE	1 hit	Imp Alexander III
14:53	5,924	-306	8 HE		Imp Alexander III
14:54	5,538	-313	8 HE		Kniaz Suvorow
14:55	5,225	-311	7 HE		Kniaz Suvorow
14:56	4,914	-310	6 HE		Kniaz Suvorow
14:57	4,969	62	7 HE		Kniaz Suvorow
14:58	4,983	54	7 HE		Kniaz Suvorow
14:59	5,073	97	5 HE		Kniaz Suvorow
15:00	5,178	112	7 HE	1 hit	Kniaz Suvorow
15:01	5,298	126	6 HE	1 hit	Kniaz Suvorow
15:02	5,431	140	7 HE		Kniaz Suvorow
15:03	5,577	153	6 HE	1 hit	Kniaz Suvorow
15:04	5,739	162	6 HE		Kniaz Suvorow
15:05	5,908	171	8 HE	1 hit	Kniaz Suvorow
15:06	6,086	181	7 HE		Kniaz Suvorow

15:07	6,286	-105	3 HE		Kniaz Suvorow
15:08	6,207	-79	4 HE		Kniaz Suvorow
15:09	6,177	-53	6 HE		Kniaz Suvorow
15:10	6,171	-29	7 HE		Kniaz Suvorow
15:11	6,143	-28	6 HE	1 hit	Kniaz Suvorow
15:12	5,750	-24	7 HE		Borodino
15:13	5,727	-22	7 HE		Borodino
15:14	5,704	-22	6 HE		Borodino
15:15	5,682	-21	8 HE		Borodino
15:16	5,662	-20	8 HE	1 hit	Borodino
15:17	5,664	2	8 HE	1 hit	Borodino
15:18	5,666	3	8 HE	1 hit	Borodino
15:19	5,647	-31	8 HE		Borodino
15:20	4,197	85	7 HE		Sissoi Veliki
15:21	4,301	122	7 HE		Sissoi Veliki
15:22	4,444	164	8 HE		Sissoi Veliki
15:23	4,624	243	8 HE		Sissoi Veliki
15:24	4,934	290	8 HE		Sissoi Veliki
15:25	5,235	312	3 HE		Sissoi Veliki
15:26	5,554	327	4 HE		Sissoi Veliki
15:27	5,901	377	4 HE		Sissoi Veliki
15:28	6,282	384	3 HE		Sissoi Veliki
15:29	6,668	390	4 HE		Sissoi Veliki
15:30	7,059	393	4 AP	1 hit	Sissoi Veliki
15:31	7,455	396	3 AP		Sissoi Veliki
15:32	7,854	398	4 AP	1 hit	Sissoi Veliki
15:33	8,048	163	1 AP		Sissoi Veliki
15:34	8,208	-288	1 AP		Sissoi Veliki
15:35	7,672	181	2 AP		Sissoi Veliki
15:37	8,520	427	1 AP		Sissoi Veliki
15:38	8,979	295	2 AP		Sissoi Veliki
15:39	9,051	739	2 AP		Admiral Nakhimov
15:40	9,726	742	1 AP		Admiral Nakhimov
15:41	10,403	744	1 AP		Admiral Nakhimov
15:43	11,765	751	1 AP		Admiral Nakhimov
15:45	13,139	758	1 AP		Admiral Nakhimov
8in(203mm)/45 Primary Total 501 shells 14 hits 2.8%					

Combined Fleet, Kasagi

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:46	10,561	-1,155	1 HE		Jemtchug
13:47	9,435	-1,119	1 HE		Jemtchug
13:49	8,895	-189	1 HE		Jemtchug
13:50	8,706	-189	1 HE		Jemtchug
13:51	8,583	-123	1 HE		Jemtchug
13:52	8,342	588	1 HE		Jemtchug
13:54	9,882	856	1 HE		Jemtchug
13:57	8,026	162	1 HE		Jemtchug
13:59	8,371	160	2 HE		Jemtchug
14:01	8,701	153	1 HE		Jemtchug
14:03	8,932	126	1 HE		Jemtchug
14:05	9,239	212	1 HE		Jemtchug
14:08	7,201	-927	2 HE		Jemtchug
14:09	6,216	-943	2 HE		Jemtchug
14:10	5,060	-1,134	2 HE		Jemtchug
14:11	3,954	-555	3 HE		Jemtchug
14:12	3,236	-1,203	2 HE		Jemtchug
14:13	2,550	-554	2 HE		Jemtchug
14:14	2,188	-112	2 HE		Jemtchug
14:15	2,365	402	4 HE		Jemtchug
14:16	3,385	1,021	1 HE		Jemtchug
14:17	4,303	952	2 HE		Jemtchug
14:18	5,339	1,053	1 HE		Jemtchug
14:19	6,470	1,141	2 HE		Jemtchug
14:21	8,708	1,093	1 HE		Jemtchug
14:51	9,876	-941	1 HE		Jemtchug
14:52	9,390	-510	1 HE		Jemtchug
14:53	9,016	-371	1 HE		Jemtchug
14:54	8,645	-368	2 HE		Jemtchug
14:55	8,278	-365	1 HE		Jemtchug
14:56	7,914	-362	1 HE		Jemtchug
14:57	7,602	-200	2 HE		Jemtchug
14:58	7,284	-291	2 HE		Jemtchug
14:59	7,025	-247	1 HE		Jemtchug
15:00	6,839	-174	1 HE		Jemtchug
15:01	6,739	-79	2 HE		Jemtchug
15:02	6,725	-18	1 HE		Jemtchug
15:03	6,711	-99	1 HE		Jemtchug
15:04	6,540	-118	2 HE		Jemtchug
15:05	6,474	-11	1 HE		Jemtchug
15:06	6,527	86	1 HE		Jemtchug
15:07	6,627	184	1 HE		Jemtchug
15:08	6,636	-406	1 HE		Jemtchug
15:09	6,072	-704	2 HE		Jemtchug
15:11	5,626	156	3 HE		Jemtchug
15:12	5,900	576	3 HE		Jemtchug
15:13	6,772	891	3 HE		Jemtchug
15:14	7,452	601	4 HE		Jemtchug
15:15	8,053	601	3 HE		Jemtchug
15:16	8,684	601	3 HE		Jemtchug
15:17	8,995	311	3 HE		Jemtchug
15:19	8,941	-40	1 HE		Jemtchug
15:20	8,713	-252	2 HE		Jemtchug
15:21	8,109	-135	1 HE		Jemtchug
15:22	7,632	-433	2 HE		Jemtchug
15:23	7,188	-427	2 HE		Jemtchug
15:24	6,780	-376	2 HE		Jemtchug
15:25	6,418	-324	2 HE		Jemtchug
15:26	6,108	-258	2 HE	1 hit	Jemtchug
15:27	5,909	-83	2 HE		Jemtchug
15:28	5,804	-36	2 HE		Jemtchug
15:29	5,421	-383	2 HE		Jemtchug
15:30	5,008	-392	1 HE		Jemtchug
15:31	4,608	-396	4 HE		Jemtchug
15:32	4,032	-574	2 HE		Jemtchug
15:33	3,967	-56	3 HE		Jemtchug
15:34	3,983	47	3 HE		Jemtchug
15:35	4,125	173	4 HE	1 hit	Jemtchug
15:36	4,257	157	3 HE		Jemtchug

15:37	4,306	71	4 HE		Jemtchug
15:38	4,391	105	3 HE		Jemtchug
15:39	4,510	138	4 HE		Jemtchug
15:40	4,597	100	3 HE		Jemtchug
15:41	4,654	72	4 HE		Jemtchug
15:42	4,655	5	4 HE	1 hit	Jemtchug
15:43	6,310	903	4 HE	1 hit	Svietlana
15:44	7,130	824	2 HE		Svietlana
20cm/40	Primary	Total	154 shells	4 hits	2.6%

Combined Fleet, Kasagi, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:46	10,561	-1,155	1 HE		Jemtchug
13:47	9,435	-1,119	3 HE		Jemtchug
13:48	9,085	-336	1 HE		Jemtchug
13:49	8,895	-189	1 HE		Jemtchug
13:50	8,706	-189	1 HE		Jemtchug
13:51	8,583	-123	1 HE		Jemtchug
13:52	8,342	588	2 HE		Jemtchug
13:53	8,914	972	2 HE		Jemtchug
13:54	9,882	856	1 HE		Jemtchug
13:56	8,712	-666	1 HE		Jemtchug
13:57	8,026	162	3 HE		Jemtchug
13:58	8,172	194	2 HE		Jemtchug
13:59	8,371	160	6 HE		Jemtchug
14:00	8,534	164	2 HE		Jemtchug
14:01	8,701	153	2 HE		Jemtchug
14:02	8,813	118	1 HE		Jemtchug
14:03	8,932	126	2 HE		Jemtchug
14:04	9,059	128	1 HE		Jemtchug
14:05	9,239	212	2 HE		Jemtchug
14:06	9,060	-134	2 HE		Jemtchug
14:07	8,184	-809	1 HE		Jemtchug
14:08	7,201	-927	5 HE		Jemtchug
14:09	6,216	-943	6 HE		Jemtchug
14:10	5,060	-1,134	11 HE		Jemtchug
14:11	3,954	-555	16 HE		Jemtchug
14:12	3,236	-1,203	4 HE		Jemtchug
14:13	2,550	-554	21 HE		Jemtchug
14:14	2,188	-112	16 HE		Jemtchug
14:15	2,365	402	26 HE		Jemtchug
14:16	3,385	1,021	6 HE		Jemtchug
14:17	4,303	952	9 HE		Jemtchug
14:18	5,339	1,053	9 HE		Jemtchug
14:19	6,470	1,141	6 HE		Jemtchug
14:20	7,615	1,147	2 HE		Jemtchug
14:21	8,708	1,093	2 HE		Jemtchug
14:22	9,858	1,152	1 HE		Jemtchug
14:52	9,390	-510	2 HE		Jemtchug
14:53	9,016	-371	1 HE		Jemtchug
14:54	8,645	-368	1 HE		Jemtchug
14:55	8,278	-365	2 HE		Jemtchug
14:56	7,914	-362	1 HE		Jemtchug
14:57	7,602	-200	2 HE		Jemtchug
14:58	7,284	-291	2 HE		Jemtchug
14:59	7,025	-247	1 HE		Jemtchug
15:00	6,839	-174	1 HE		Jemtchug
15:01	6,739	-79	2 HE		Jemtchug
15:02	6,725	-18	1 HE		Jemtchug
15:03	6,711	-99	1 HE		Jemtchug
15:04	6,540	-118	5 HE		Jemtchug
15:05	6,474	-11	6 HE		Jemtchug
15:06	6,527	86	5 HE		Jemtchug
15:07	6,627	184	5 HE		Jemtchug
15:08	6,636	-406	5 HE		Jemtchug
15:09	6,072	-704	7 HE		Jemtchug
15:10	5,592	-359	1 HE		Jemtchug
15:11	5,626	156	9 HE		Jemtchug
15:12	5,900	576	8 HE		Jemtchug
15:13	6,772	891	9 HE		Jemtchug
15:14	7,452	601	8 HE		Jemtchug
15:15	8,053	601	7 HE		Jemtchug
15:16	8,684	601	5 HE		Jemtchug
15:17	8,995	311	5 HE		Jemtchug
15:18	8,899	-90	1 HE		Jemtchug
15:19	8,941	-40	1 HE		Jemtchug
15:20	8,713	-252	1 HE		Jemtchug
15:21	8,109	-135	2 HE		Jemtchug
15:22	7,632	-433	2 HE		Jemtchug
15:23	7,188	-427	2 HE		Jemtchug
15:24	6,780	-376	3 HE		Jemtchug

15:25	6,418	-324	2	HE		Jemtchug
15:26	6,108	-258	11	HE		Jemtchug
15:27	5,909	-83	11	HE		Jemtchug
15:28	5,804	-36	11	HE		Jemtchug
15:29	5,421	-383	10	HE		Jemtchug
15:30	5,008	-392	14	HE	1 hit	Jemtchug
15:31	4,608	-396	16	HE	1 hit	Jemtchug
15:32	4,032	-574	17	HE		Jemtchug
15:33	3,967	-56	14	HE		Jemtchug
15:34	3,983	47	17	HE		Jemtchug
15:35	4,125	173	17	HE		Jemtchug
15:36	4,257	157	12	HE	1 hit	Jemtchug
15:37	4,306	71	15	HE		Jemtchug
15:38	4,391	105	11	HE		Jemtchug
15:39	4,510	138	16	HE		Jemtchug
15:40	4,597	100	11	HE		Jemtchug
15:41	4,654	72	19	HE		Jemtchug
15:42	4,655	5	13	HE	1 hit	Jemtchug
15:43	6,310	903	10	HE		Svietlana
15:44	7,130	824	7	HE		Svietlana
12cm/45	Secondary	Total	546	shells	4 hits	0.7%

Combined Fleet, Chitose

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:47	10,631	-883	1 HE		Izumrud
13:51	10,157	124	1 HE		Izumrud
13:55	10,621	-648	1 HE		Izumrud
14:08	7,540	-1,195	1 HE		Izumrud
14:09	6,369	-1,145	1 HE		Izumrud
14:10	5,260	-1,062	2 HE		Izumrud
14:11	4,258	-916	1 HE		Izumrud
14:12	3,633	-637	2 HE		Izumrud
14:13	2,997	-483	2 HE		Izumrud
14:14	2,706	-74	3 HE		Izumrud
14:15	3,033	344	3 HE		Izumrud
14:16	3,370	1,022	2 HE		Izumrud
14:17	4,335	944	1 HE		Izumrud
14:18	5,365	1,053	2 HE		Izumrud
14:19	6,491	1,141	1 HE		Izumrud
14:20	7,688	1,138	1 HE		Izumrud
14:52	10,219	-368	1 HE		Izumrud
14:54	9,489	-362	1 HE		Izumrud
14:55	9,130	-359	1 HE		Izumrud
14:56	8,774	-352	2 HE		Izumrud
14:57	8,451	-315	1 HE		Izumrud
14:59	7,895	-233	1 HE		Izumrud
15:00	7,723	-159	1 HE		Izumrud
15:01	7,635	-71	2 HE	1 hit	Izumrud
15:03	7,542	-88	1 HE		Izumrud
15:04	7,384	-134	2 HE		Izumrud
15:05	7,325	-27	2 HE		Izumrud
15:06	7,379	86	1 HE		Izumrud
15:07	7,554	168	1 HE		Izumrud
15:08	7,020	-520	2 HE		Izumrud
15:09	6,337	-676	1 HE		Izumrud
15:10	5,701	-365	1 HE		Izumrud
15:11	5,498	-85	3 HE		Izumrud
15:12	6,092	710	3 HE		Izumrud
15:13	6,861	786	1 HE		Izumrud
15:14	7,425	565	2 HE		Izumrud
15:16	8,661	636	1 HE		Izumrud
15:19	9,704	-277	1 HE		Izumrud
15:20	9,223	-510	1 HE		Izumrud
15:21	8,741	-473	2 HE		Izumrud
15:22	8,289	-438	1 HE		Izumrud
15:23	7,872	-399	2 HE		Izumrud
15:24	7,491	-360	2 HE		Izumrud
15:25	7,153	-310	1 HE		Izumrud
15:26	6,865	-256	1 HE		Izumrud
15:27	6,764	-73	2 HE		Izumrud
15:28	6,429	-338	2 HE		Izumrud
15:29	6,057	-359	1 HE		Izumrud
15:30	5,723	-332	2 HE		Izumrud
15:31	5,394	-326	2 HE	2 hits	Izumrud
15:32	10,243	92	1 HE		Admiral Nakhimov
15:34	10,483	138	1 HE		Admiral Nakhimov
15:35	10,628	161	1 HE		Admiral Nakhimov
15:37	10,987	303	1 HE		Admiral Nakhimov
15:39	11,801	410	1 HE		Admiral Nakhimov
15:42	13,062	456	1 HE		Admiral Nakhimov
20cm/40	Primary	Total	82 shells	3 hits	3.7%

Combined Fleet, Chitose, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:47	10,631	-883	1 HE		Izumrud
13:48	9,906	-8	1 HE		Izumrud
13:49	9,910	93	1 HE		Izumrud
13:50	10,033	62	1 HE		Izumrud
13:51	10,157	124	3 HE		Izumrud
13:52	10,403	142	1 HE		Izumrud
13:54	10,599	145	1 HE		Izumrud
14:06	9,705	-846	1 HE		Izumrud
14:07	8,760	-1,097	1 HE		Izumrud
14:08	7,540	-1,195	3 HE		Izumrud
14:09	6,369	-1,145	6 HE		Izumrud
14:10	5,260	-1,062	11 HE		Izumrud
14:11	4,258	-916	13 HE		Izumrud
14:12	3,633	-637	16 HE		Izumrud
14:13	2,997	-483	20 HE		Izumrud
14:14	2,706	-74	17 HE	1 hit	Izumrud
14:15	3,033	344	20 HE		Izumrud
14:16	3,370	1,022	5 HE		Izumrud
14:17	4,335	944	12 HE		Izumrud
14:18	5,365	1,053	9 HE		Izumrud
14:19	6,491	1,141	6 HE		Izumrud
14:20	7,688	1,138	2 HE		Izumrud
14:21	8,774	1,086	2 HE		Izumrud
14:52	10,219	-368	1 HE		Izumrud
14:54	9,489	-362	1 HE		Izumrud
14:55	9,130	-359	1 HE		Izumrud
14:56	8,774	-352	1 HE		Izumrud
14:57	8,451	-315	1 HE		Izumrud
14:58	8,140	-303	1 HE		Izumrud
14:59	7,895	-233	1 HE		Izumrud
15:00	7,723	-159	1 HE		Izumrud
15:01	7,635	-71	1 HE		Izumrud
15:02	7,625	-28	1 HE		Izumrud
15:03	7,542	-88	1 HE		Izumrud
15:04	7,384	-134	4 HE		Izumrud
15:05	7,325	-27	6 HE		Izumrud
15:06	7,379	86	9 HE		Izumrud
15:07	7,554	168	2 HE		Izumrud
15:08	7,020	-520	5 HE		Izumrud
15:09	6,337	-676	7 HE		Izumrud
15:10	5,701	-365	2 HE		Izumrud
15:11	5,498	-85	8 HE	1 hit	Izumrud
15:12	6,092	710	5 HE		Izumrud
15:13	6,861	786	5 HE		Izumrud
15:14	7,425	565	4 HE		Izumrud
15:15	8,025	600	3 HE		Izumrud
15:16	8,661	636	2 HE		Izumrud
15:17	9,521	709	1 HE		Izumrud
15:19	9,704	-277	1 HE		Izumrud
15:20	9,223	-510	1 HE		Izumrud
15:21	8,741	-473	1 HE		Izumrud
15:22	8,289	-438	2 HE		Izumrud
15:23	7,872	-399	1 HE		Izumrud
15:24	7,491	-360	2 HE		Izumrud
15:25	7,153	-310	9 HE		Izumrud
15:26	6,865	-256	9 HE		Izumrud
15:27	6,764	-73	9 HE		Izumrud
15:28	6,429	-338	5 HE		Izumrud
15:29	6,057	-359	8 HE		Izumrud
15:30	5,723	-332	12 HE		Izumrud
15:31	5,394	-326	12 HE		Izumrud
15:32	10,243	92	6 HE		Admiral Nakhimov
15:33	10,357	116	3 HE		Admiral Nakhimov
15:34	10,483	138	3 HE		Admiral Nakhimov
15:35	10,628	161	2 HE		Admiral Nakhimov
15:36	10,801	181	3 HE		Admiral Nakhimov
15:37	10,987	303	3 HE		Admiral Nakhimov
15:38	11,289	399	1 HE		Admiral Nakhimov
15:39	11,801	410	2 HE		Admiral Nakhimov

15:40	12,214	415	2 HE	Admiral Nakhimov
15:41	12,634	425	1 HE	Admiral Nakhimov
15:42	13,062	456	1 HE	Admiral Nakhimov
12cm/45	Secondary	Total	326 shells	2 hits 0.6%

Combined Fleet, Ottawa

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:48	9,063	-1,165	1 HE		Jemtchug
13:49	7,880	-375	1 HE		Jemtchug
13:51	7,400	-348	2 HE		Jemtchug
13:52	7,118	555	2 HE		Jemtchug
13:53	7,724	996	1 HE		Jemtchug
13:54	8,605	812	1 HE		Jemtchug
13:57	9,339	181	1 HE		Jemtchug
14:09	7,661	-1,021	1 HE		Jemtchug
14:10	6,489	-1,173	1 HE		Jemtchug
14:11	5,328	-330	2 HE		Jemtchug
14:12	4,716	-1,101	3 HE		Jemtchug
14:13	3,726	-962	3 HE		Jemtchug
14:14	2,808	-806	5 HE		Jemtchug
14:15	2,256	109	4 HE		Jemtchug
14:16	2,241	16	5 HE		Jemtchug
14:17	3,085	896	3 HE		Jemtchug
14:18	4,282	1,064	2 HE		Jemtchug
14:19	5,413	1,064	2 HE		Jemtchug
14:20	6,543	1,131	2 HE		Jemtchug
14:22	8,791	940	1 HE		Jemtchug
14:56	9,286	-359	1 HE		Jemtchug
14:58	8,657	-298	1 HE		Jemtchug
15:00	8,194	-182	1 HE		Jemtchug
15:01	8,074	-105	1 HE		Jemtchug
15:02	8,040	-44	1 HE		Jemtchug
15:04	7,746	-192	1 HE		Jemtchug
15:05	7,635	-56	2 HE		Jemtchug
15:06	7,629	57	1 HE		Jemtchug
15:07	4,804	-117	3 HE		Admiral Nakhimov
15:08	4,642	-137	6 HE		Admiral Nakhimov
15:09	4,509	-131	7 HE		Admiral Nakhimov
15:10	4,381	-110	7 HE		Admiral Nakhimov
15:11	4,254	282	7 HE		Admiral Nakhimov
15:12	4,934	838	1 HE		Admiral Nakhimov
15:13	5,801	742	2 HE	1 hit	Admiral Nakhimov
15:14	6,643	832	2 HE		Admiral Nakhimov
15:15	7,423	838	1 HE		Admiral Nakhimov
15:16	8,204	809	1 HE		Admiral Nakhimov
15:17	8,985	781	1 HE		Admiral Nakhimov
15:18	9,725	712	1 HE		Admiral Nakhimov
15cm/40	Primary Total		91 shells	1 hit	1.1%

Combined Fleet, Ottawa, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:48	9,063	-1,165	2 HE		Jemtchug
13:49	7,880	-375	1 HE		Jemtchug
13:50	7,695	-314	1 HE		Jemtchug
13:51	7,400	-348	3 HE		Jemtchug
13:52	7,118	555	5 HE		Jemtchug
13:53	7,724	996	2 HE		Jemtchug
13:54	8,605	812	1 HE		Jemtchug
13:56	9,243	118	1 HE		Jemtchug
13:58	9,625	194	1 HE		Jemtchug
14:02	10,389	182	1 HE		Jemtchug
14:08	8,728	-989	1 HE		Jemtchug
14:09	7,661	-1,021	1 HE		Jemtchug
14:10	6,489	-1,173	3 HE		Jemtchug
14:11	5,328	-330	4 HE		Jemtchug
14:12	4,716	-1,101	5 HE		Jemtchug
14:13	3,726	-962	4 HE		Jemtchug
14:14	2,808	-806	6 HE		Jemtchug
14:15	2,256	109	5 HE		Jemtchug
14:16	2,241	16	9 HE		Jemtchug
14:17	3,085	896	2 HE		Jemtchug
14:18	4,282	1,064	3 HE		Jemtchug
14:19	5,413	1,064	2 HE		Jemtchug
14:20	6,543	1,131	2 HE		Jemtchug
14:21	7,740	1,197	1 HE		Jemtchug
14:23	9,425	748	1 HE		Jemtchug
14:56	9,286	-359	1 HE		Jemtchug
14:58	8,657	-298	1 HE		Jemtchug
14:59	8,391	-254	1 HE		Jemtchug
15:01	8,074	-105	1 HE		Jemtchug
15:02	8,040	-44	1 HE		Jemtchug
15:03	7,970	-144	1 HE		Jemtchug
15:04	7,746	-192	1 HE		Jemtchug
15:05	7,635	-56	3 HE		Jemtchug
15:06	7,629	57	4 HE		Jemtchug
15:07	4,804	-117	7 HE		Admiral Nakhimov
15:08	4,642	-137	7 HE		Admiral Nakhimov
15:09	4,509	-131	6 HE		Admiral Nakhimov
15:10	4,381	-110	9 HE		Admiral Nakhimov
15:11	4,254	282	11 HE		Admiral Nakhimov
15:12	4,934	838	1 HE		Admiral Nakhimov
15:13	5,801	742	3 HE		Admiral Nakhimov
15:14	6,643	832	1 HE		Admiral Nakhimov
15:15	7,423	838	2 HE		Admiral Nakhimov
15:16	8,204	809	2 HE		Admiral Nakhimov
15:17	8,985	781	1 HE		Admiral Nakhimov
15:18	9,725	712	1 HE		Admiral Nakhimov
15:20	10,624	-14	2 HE		Admiral Nakhimov
15:21	10,530	-48	1 HE		Admiral Nakhimov
15:22	10,444	-72	2 HE		Admiral Nakhimov
15:23	10,377	-67	2 HE		Admiral Nakhimov
15:24	10,295	-70	1 HE		Admiral Nakhimov
15:25	10,227	-61	2 HE		Admiral Nakhimov
15:26	10,362	-6	1 HE		Admiral Nakhimov
15:27	10,365	-8	2 HE		Admiral Nakhimov
15:28	10,367	4	2 HE		Admiral Nakhimov
15:29	10,361	0	2 HE		Admiral Nakhimov
15:30	10,369	20	3 HE		Admiral Nakhimov
15:31	10,397	34	2 HE		Admiral Nakhimov
15:32	10,441	60	1 HE		Admiral Nakhimov
15:33	10,512	92	3 HE		Admiral Nakhimov
15:34	10,620	116	3 HE		Admiral Nakhimov
15:35	10,745	139	2 HE		Admiral Nakhimov
15:36	10,894	154	2 HE		Admiral Nakhimov
15:37	11,070	245	2 HE		Admiral Nakhimov
15:38	11,322	295	2 HE		Admiral Nakhimov
15:39	11,673	399	1 HE		Admiral Nakhimov
15:40	12,074	404	1 HE		Admiral Nakhimov
15:41	12,483	415	2 HE		Admiral Nakhimov
12cm/45 Secondary Total 173 shells				0 hits	

Combined Fleet, Niitaka

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:49	9,839	-53	1 HE		Izumrud
14:08	9,385	-1,171	1 HE		Izumrud
14:10	7,053	-1,148	1 HE		Izumrud
14:11	5,903	-1,138	2 HE		Izumrud
14:12	7,083	-521	1 HE		Admiral Nakhimov
14:13	6,444	-653	2 HE		Admiral Nakhimov
14:14	5,771	-660	2 HE		Admiral Nakhimov
14:15	5,125	-639	5 HE		Admiral Nakhimov
14:16	4,667	-803	6 HE		Admiral Nakhimov
14:17	4,563	-12	3 HE		Admiral Nakhimov
14:18	4,838	232	2 HE		Admiral Nakhimov
14:19	5,168	311	2 HE		Admiral Nakhimov
14:20	5,575	63	6 HE		Admiral Nakhimov
14:21	5,679	119	9 HE		Admiral Nakhimov
14:22	6,137	491	6 HE		Admiral Nakhimov
14:23	6,700	595	3 HE		Admiral Nakhimov
14:24	7,367	649	2 HE		Admiral Nakhimov
14:25	8,019	669	3 HE		Admiral Nakhimov
14:26	8,581	584	3 HE		Admiral Nakhimov
14:27	9,162	600	3 HE		Admiral Nakhimov
14:28	9,764	614	1 HE		Admiral Nakhimov
14:55	9,898	-100	1 HE		Admiral Nakhimov
14:56	9,821	-76	1 HE		Admiral Nakhimov
14:57	9,752	-158	1 HE		Admiral Nakhimov
14:58	9,575	-219	1 HE		Admiral Nakhimov
14:59	9,356	-330	3 HE		Admiral Nakhimov
15:00	9,024	-379	4 HE		Admiral Nakhimov
15:01	8,642	-321	4 HE		Admiral Nakhimov
15:02	8,321	-318	4 HE		Admiral Nakhimov
15:03	7,998	-308	5 HE		Admiral Nakhimov
15:04	7,685	-306	6 HE		Admiral Nakhimov
15:05	7,379	-306	6 HE		Admiral Nakhimov
15:06	7,075	-312	7 HE		Admiral Nakhimov
15:07	6,705	-129	2 HE		Admiral Nakhimov
15:08	6,550	-135	5 HE		Admiral Nakhimov
15:09	6,417	-135	6 HE		Admiral Nakhimov
15:10	6,283	-144	6 HE		Admiral Nakhimov
15:11	9,008	-71	1 HE		Bogatyr
15:12	9,393	396	1 HE		Bogatyr
15cm/40	Primary	Total	128 shells	0 hits	

Combined Fleet, Niitaka, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:49	9,839	-53	1 HE		Izumrud
13:50	9,730	0	1 HE		Izumrud
13:51	9,698	-66	1 HE		Izumrud
13:52	9,723	90	1 HE		Izumrud
13:54	9,917	123	1 HE		Izumrud
14:09	8,211	-1,139	1 HE		Izumrud
14:10	7,053	-1,148	1 HE		Izumrud
14:11	5,903	-1,138	2 HE		Izumrud
14:12	7,083	-521	8 HE		Admiral Nakhimov
14:13	6,444	-653	2 HE		Admiral Nakhimov
14:14	5,771	-660	2 HE		Admiral Nakhimov
14:15	5,125	-639	13 HE		Admiral Nakhimov
14:16	4,667	-803	3 HE		Admiral Nakhimov
14:17	4,563	-12	3 HE		Admiral Nakhimov
14:18	4,838	232	3 HE		Admiral Nakhimov
14:19	5,168	311	3 HE		Admiral Nakhimov
14:20	5,575	63	6 HE		Admiral Nakhimov
14:21	5,679	119	9 HE		Admiral Nakhimov
14:22	6,137	491	9 HE		Admiral Nakhimov
14:23	6,700	595	9 HE		Admiral Nakhimov
14:24	7,367	649	7 HE		Admiral Nakhimov
14:25	8,019	669	2 HE		Admiral Nakhimov
14:26	8,581	584	5 HE		Admiral Nakhimov
14:27	9,162	600	5 HE		Admiral Nakhimov
14:28	9,764	614	4 HE		Admiral Nakhimov
14:29	9,873	156	2 HE		Admiral Nakhimov
14:31	10,746	636	3 HE		Admiral Nakhimov
14:32	11,110	387	2 HE		Admiral Nakhimov
14:33	11,831	861	1 HE		Admiral Nakhimov
14:46	12,791	-232	1 HE		Admiral Nakhimov
14:47	12,467	-364	1 HE		Admiral Nakhimov
14:48	12,124	-327	2 HE		Admiral Nakhimov
14:49	11,799	-317	2 HE		Admiral Nakhimov
14:50	11,483	-314	2 HE		Admiral Nakhimov
14:51	11,169	-312	3 HE		Admiral Nakhimov
14:52	10,618	-118	3 HE		Admiral Nakhimov
14:53	10,384	-251	3 HE		Admiral Nakhimov
14:54	9,998	-126	4 HE		Admiral Nakhimov
14:55	9,898	-100	3 HE		Admiral Nakhimov
14:56	9,821	-76	4 HE		Admiral Nakhimov
14:57	9,752	-158	3 HE		Admiral Nakhimov
14:58	9,575	-219	3 HE		Admiral Nakhimov
14:59	9,356	-330	4 HE		Admiral Nakhimov
15:00	9,024	-379	4 HE		Admiral Nakhimov
15:01	8,642	-321	5 HE		Admiral Nakhimov
15:02	8,321	-318	5 HE		Admiral Nakhimov
15:03	7,998	-308	6 HE		Admiral Nakhimov
15:04	7,685	-306	7 HE		Admiral Nakhimov
15:05	7,379	-306	7 HE		Admiral Nakhimov
15:06	7,075	-312	8 HE		Admiral Nakhimov
15:07	6,705	-129	8 HE		Admiral Nakhimov
15:08	6,550	-135	8 HE		Admiral Nakhimov
15:09	6,417	-135	9 HE		Admiral Nakhimov
15:10	6,283	-144	8 HE		Admiral Nakhimov
15:11	9,008	-71	4 HE		Bogatyr
15:12	9,393	396	3 HE		Bogatyr
15:13	9,801	418	2 HE		Bogatyr
15:14	10,290	497	3 HE		Bogatyr
15:15	10,251	868	2 HE		Bogatyr
15:16	10,561	812	2 HE		Bogatyr
15:17	11,413	852	1 HE		Bogatyr
15:18	12,117	704	1 HE		Bogatyr
15:35	13,128	-26	1 HE		Bogatyr
12cm/45 Secondary Total 242 shells				0 hits	

Combined Fleet, Izumo

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:59	8,392	-319	2 HE		Kniaz Suvorow
14:00	8,108	-247	8 HE		Kniaz Suvorow
14:01	7,910	-159	8 HE		Kniaz Suvorow
14:02	7,708	-115	7 HE		Imp Alexander III
14:03	7,337	-409	2 HE		Imp Alexander III
14:04	6,968	-307	7 HE		Imp Alexander III
14:05	6,695	-223	8 HE		Imp Alexander III
14:06	6,532	-101	7 HE		Imp Alexander III
14:07	6,486	6	8 HE		Imp Alexander III
14:08	6,352	-157	6 HE		Imp Alexander III
14:09	5,940	-467	8 HE		Imp Alexander III
14:10	6,157	-20	8 HE		Borodino
14:11	5,750	132	8 HE		Kniaz Suvorow
14:12	6,100	387	4 HE		Kniaz Suvorow
14:13	6,564	504	4 HE		Kniaz Suvorow
14:14	6,872	-121	2 HE		Imp Alexander III
14:15	7,088	266	7 HE		Imp Alexander III
14:16	7,400	369	8 HE		Imp Alexander III
14:17	8,091	471	2 HE		Kniaz Suvorow
14:18	8,556	490	2 HE		Kniaz Suvorow
14:19	8,680	98	4 HE		Imp Alexander III
14:20	8,733	197	1 HE		Imp Alexander III
14:21	8,954	257	7 HE		Imp Alexander III
14:22	9,260	332	1 HE		Imp Alexander III
14:23	9,626	419	2 HE		Imp Alexander III
14:24	10,052	433	1 HE		Imp Alexander III
14:25	10,524	477	1 HE		Imp Alexander III
14:26	11,007	489	1 HE		Imp Alexander III
14:27	11,500	500	1 HE		Imp Alexander III
14:30	11,767	-79	1 HE		Imp Alexander III
14:31	11,589	-112	1 HE		Imp Alexander III
14:32	11,416	-172	1 HE		Imp Alexander III
14:33	10,955	-570	1 HE		Imp Alexander III
14:34	10,394	-557	1 HE		Imp Alexander III
14:35	9,839	-553	2 HE		Imp Alexander III
14:36	9,291	-543	3 HE		Imp Alexander III
14:37	8,753	-533	3 HE		Imp Alexander III
14:38	8,452	-120	3 HE		Imp Alexander III
14:39	8,085	-417	1 HE		Kniaz Suvorow
14:40	7,706	-376	4 HE		Kniaz Suvorow
14:41	7,238	-419	4 HE		Imp Alexander III
14:42	7,074	-228	3 HE		Kniaz Suvorow
14:43	6,786	-261	4 HE		Kniaz Suvorow
14:44	6,735	72	7 HE		Kniaz Suvorow
14:45	6,824	81	8 HE		Kniaz Suvorow
14:46	6,899	94	8 HE		Kniaz Suvorow
14:47	6,335	127	8 HE		Borodino
14:48	6,467	135	8 HE		Borodino
14:49	6,606	143	8 HE		Borodino
14:50	6,544	-61	7 HE		Borodino
14:51	6,485	-58	7 HE		Borodino
14:52	6,430	-52	8 HE	1 hit	Borodino
14:53	6,361	-308	7 HE		Borodino
14:54	6,069	-308	7 HE		Borodino
14:55	5,747	-304	7 HE		Borodino
14:56	5,444	-302	7 HE		Borodino
14:57	5,143	-300	8 HE		Borodino
14:58	4,845	-295	6 HE	1 hit	Borodino
14:59	4,552	-293	8 HE	1 hit	Borodino
15:00	4,677	134	7 HE		Borodino
15:01	4,842	121	6 HE		Borodino
15:02	4,993	156	6 HE		Borodino
15:03	5,181	192	8 HE		Borodino
15:04	5,493	172	7 HE		Borodino
15:05	5,648	158	7 HE	1 hit	Borodino
15:06	5,813	171	8 HE		Borodino
15:07	5,968	163	8 HE		Borodino
15:08	6,154	225	8 HE		Borodino
15:09	6,268	-79	4 AP		Borodino

15:10	6,285	-55	4 AP		Borodino
15:11	6,254	-31	4 AP		Borodino
15:12	5,729	-1	8 HE		Osliabia
15:13	5,681	-24	8 HE		Osliabia
15:14	5,658	-22	8 HE	1 hit	Osliabia
15:15	5,636	-21	7 HE		Osliabia
15:16	5,615	-21	8 AP	1 hit	Osliabia
15:17	5,594	-20	7 AP		Osliabia
15:18	5,619	2	6 AP		Osliabia
15:19	5,622	3	8 AP		Osliabia
15:20	5,311	6	8 AP		Navarin
15:21	5,350	53	8 AP		Navarin
15:22	5,306	-5	8 AP		Navarin
15:23	5,301	11	4 AP		Navarin
15:24	5,313	27	4 AP		Navarin
15:25	5,433	254	4 AP		Navarin
15:26	5,600	47	4 AP	1 hit	Navarin
15:27	5,646	163	4 AP		Navarin
15:28	5,779	84	4 AP		Navarin
15:29	5,911	108	4 AP		Navarin
15:30	6,031	114	4 AP		Navarin
15:31	6,334	304	4 AP		Navarin
20cm/45	Primary Total	483 shells	7 hits	1.4%	

Combined Fleet, Izumo, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:59	8,392	-319	6 HE		Kniaz Suvorow
14:00	8,108	-247	7 HE		Kniaz Suvorow
14:01	7,910	-159	7 HE		Kniaz Suvorow
14:02	7,708	-115	6 HE		Imp Alexander III
14:03	7,337	-409	10 HE		Imp Alexander III
14:04	6,968	-307	13 HE		Imp Alexander III
14:05	6,695	-223	9 HE		Imp Alexander III
14:06	6,532	-101	13 HE		Imp Alexander III
14:07	6,486	6	13 HE		Imp Alexander III
14:08	6,352	-157	14 HE		Imp Alexander III
14:09	5,940	-467	9 HE		Imp Alexander III
14:10	6,157	-20	8 HE		Borodino
14:11	5,750	132	12 HE		Kniaz Suvorow
14:12	6,100	387	11 HE		Kniaz Suvorow
14:13	6,564	504	8 HE		Kniaz Suvorow
14:14	6,872	-121	2 HE		Imp Alexander III
14:15	7,088	266	8 HE		Imp Alexander III
14:16	7,400	369	10 HE		Imp Alexander III
14:17	8,091	471	5 HE		Kniaz Suvorow
14:18	8,556	490	6 HE		Kniaz Suvorow
14:19	8,680	98	5 HE		Imp Alexander III
14:20	8,733	197	8 HE		Imp Alexander III
14:21	8,954	257	8 HE		Imp Alexander III
14:22	9,260	332	6 HE		Imp Alexander III
14:23	9,626	419	7 HE		Imp Alexander III
14:35	9,839	-553	1 HE		Imp Alexander III
14:36	9,291	-543	2 HE		Imp Alexander III
14:37	8,753	-533	2 HE		Imp Alexander III
14:38	8,452	-120	3 HE	1 hit	Imp Alexander III
14:39	8,085	-417	2 HE		Kniaz Suvorow
14:40	7,706	-376	2 HE		Kniaz Suvorow
14:41	7,238	-419	4 HE		Imp Alexander III
14:42	7,074	-228	3 HE		Kniaz Suvorow
14:43	6,786	-261	3 HE		Kniaz Suvorow
14:44	6,735	72	6 HE		Kniaz Suvorow
14:45	6,824	81	11 HE		Kniaz Suvorow
14:46	6,899	94	11 HE		Kniaz Suvorow
14:47	6,335	127	14 HE		Borodino
14:48	6,467	135	13 HE		Borodino
14:49	6,606	143	15 HE	1 hit	Borodino
14:50	6,544	-61	14 HE	1 hit	Borodino
14:51	6,485	-58	13 HE		Borodino
14:52	6,430	-52	11 HE		Borodino
14:53	6,361	-308	8 HE		Borodino
14:54	6,069	-308	8 HE		Borodino
14:55	5,747	-304	10 HE		Borodino
14:56	5,444	-302	13 HE		Borodino
14:57	5,143	-300	13 HE		Borodino
14:58	4,845	-295	14 HE		Borodino
14:59	4,552	-293	15 HE		Borodino
15:00	4,677	134	20 HE		Borodino
15:01	4,842	121	18 HE		Borodino
15:02	4,993	156	16 HE	1 hit	Borodino
15:03	5,181	192	14 HE		Borodino
15:04	5,493	172	19 HE		Borodino
15:05	5,648	158	16 HE	1 hit	Borodino
15:06	5,813	171	17 HE	2 hits	Borodino
15:07	5,968	163	12 HE		Borodino
15:08	6,154	225	14 HE		Borodino
15:09	6,268	-79	8 HE	1 hit	Borodino
15:10	6,285	-55	9 HE		Borodino
15:11	6,254	-31	9 HE		Borodino
15:12	5,729	-1	12 HE		Osliabia
15:13	5,681	-24	12 HE		Osliabia
15:14	5,658	-22	11 HE		Osliabia
15:15	5,636	-21	13 HE		Osliabia
15:16	5,615	-21	10 HE		Osliabia
15:17	5,594	-20	11 HE		Osliabia
15:18	5,619	2	12 HE		Osliabia

15:19	5,622	3	9	HE	Osliabia
15:20	5,311	6	11	HE	Navarin
15:21	5,350	53	10	HE	Navarin
15:22	5,306	-5	12	HE	Navarin
15:23	5,301	11	12	HE	Navarin
15:24	5,313	27	12	HE	Navarin
15:25	5,433	254	14	HE	Navarin
15:26	5,600	47	15	HE	Navarin
15:27	5,646	163	15	HE	Navarin
15:28	5,779	84	17	HE	Navarin
15:29	5,911	108	16	HE	Navarin
15:30	6,031	114	15	HE	Navarin
15:31	6,334	304	13	HE	Navarin
15:32	7,680	107	7	HE	Dimitri Donskoi
15:33	6,908	291	9	HE	Admiral Nakhimov
15:34	7,970	109	6	HE	Dimitri Donskoi
15:35	7,022	-163	1	HE	Admiral Nakhimov
15:36	7,328	334	3	HE	Admiral Nakhimov
15:37	7,936	615	6	HE	Admiral Nakhimov
15:38	8,600	668	7	HE	Admiral Nakhimov
15:39	6,672	775	2	HE	Navarin
15:40	6,747	712	7	HE	GenAdm Graf Apraxine
15:41	7,048	735	5	HE	Admiral Ushakov
15:42	7,424	185	10	HE	Jemtchug
15:43	8,013	-169	1	HE	RU 1st DD
15:44	8,641	-67	6	HE	Svietlana
15cm/40	Secondary Total	916	shells	8 hits	0.9%

Combined Fleet, Asama

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:59	8,788	-395	2 HE		Imp Alexander III
14:00	8,419	-333	8 HE	1 hit	Imp Alexander III
14:01	8,126	-247	7 HE		Imp Alexander III
14:02	7,917	-159	7 HE		Imp Alexander III
14:03	7,501	-463	2 HE		Imp Alexander III
14:04	7,079	-362	6 HE		Imp Alexander III
14:05	6,511	-223	8 HE		Kniaz Suvorow
14:06	6,343	-117	8 HE		Kniaz Suvorow
14:07	6,041	-260	8 HE		Kniaz Suvorow
14:08	5,851	-146	8 HE		Kniaz Suvorow
14:09	5,731	-64	8 HE		Kniaz Suvorow
14:10	6,263	-130	7 HE		Orel
14:11	6,150	-18	7 HE	1 hit	Orel
14:12	6,155	58	8 HE		Orel
14:13	6,229	151	6 HE		Orel
14:14	6,419	229	4 HE	1 hit	Orel
14:15	6,731	83	8 HE		Orel
14:16	6,873	206	8 HE		Orel
14:17	6,937	296	7 HE		Orel
14:18	7,260	354	8 HE		Orel
14:19	8,197	673	1 HE		Borodino
14:21	9,186	221	2 HE		Kniaz Suvorow
14:22	9,532	356	1 HE		Kniaz Suvorow
14:23	9,897	379	1 HE		Kniaz Suvorow
14:24	10,308	419	1 HE		Kniaz Suvorow
14:25	10,774	478	1 HE		Kniaz Suvorow
14:26	11,259	493	1 HE		Kniaz Suvorow
14:27	11,734	481	1 HE		Kniaz Suvorow
14:29	12,723	529	1 HE		Kniaz Suvorow
14:34	11,404	-411	1 HE		Kniaz Suvorow
14:35	10,962	-439	1 HE		Kniaz Suvorow
14:36	10,495	-461	1 HE		Kniaz Suvorow
14:37	10,007	-481	2 HE		Kniaz Suvorow
14:38	9,499	-499	2 HE		Kniaz Suvorow
14:39	9,010	-477	3 HE		Kniaz Suvorow
14:40	8,537	-434	3 HE		Kniaz Suvorow
14:41	8,135	-434	4 HE		Kniaz Suvorow
14:42	7,606	-466	4 HE		Imp Alexander III
14:43	7,180	-297	4 HE		Imp Alexander III
14:44	6,917	-264	4 HE		Imp Alexander III
14:45	6,900	-11	7 HE		Imp Alexander III
14:46	6,688	85	8 HE		Imp Alexander III
14:47	6,086	123	8 HE		Orel
14:48	6,214	131	8 HE		Orel
14:49	6,351	143	8 HE		Orel
14:50	6,496	147	7 HE		Orel
14:51	6,563	-58	8 HE	1 hit	Orel
14:52	6,508	-52	7 HE		Orel
14:53	6,457	-49	6 HE		Orel
14:54	6,407	-306	8 HE	1 hit	Orel
14:55	6,086	-304	8 HE	1 hit	Orel
14:56	5,783	-302	8 HE	2 hits	Orel
14:57	5,483	-298	8 HE		Orel
14:58	5,187	-295	8 HE	4 hits	Orel
14:59	4,893	-290	8 HE	1 hit	Orel
15:00	4,604	-288	7 HE		Orel
15:01	5,007	92	8 HE		Borodino
15:02	5,134	134	8 HE		Borodino
15:03	5,300	173	6 HE		Borodino
15:04	5,603	151	8 HE		Borodino
15:05	4,938	179	8 HE		Osliabia
15:06	6,241	135	7 HE		Kniaz Suvorow
15:07	6,405	173	8 HE		Kniaz Suvorow
15:08	6,591	195	8 HE		Kniaz Suvorow
15:09	7,052	-90	4 AP		Kniaz Suvorow
15:10	7,067	-64	4 AP		Kniaz Suvorow
15:11	7,031	-36	4 AP		Kniaz Suvorow
15:12	6,994	-36	4 AP		Kniaz Suvorow
15:13	6,959	-35	4 AP		Kniaz Suvorow

15:14	6,523	-32	3 AP		Borodino
15:15	6,492	-31	4 AP		Borodino
15:16	6,461	-31	4 AP		Borodino
15:17	6,456	-4	8 HE		Borodino
15:18	6,452	-4	6 HE		Borodino
15:19	6,448	-4	8 HE	1 hit	Borodino
15:20	5,275	6	8 AP		Admiral Nakhimov
15:21	5,281	6	8 AP		Admiral Nakhimov
15:22	5,288	57	4 AP		Admiral Nakhimov
15:23	5,322	-13	4 AP		Admiral Nakhimov
15:24	5,310	-8	4 AP		Admiral Nakhimov
15:25	5,301	-4	4 AP		Admiral Nakhimov
15:26	5,475	157	4 AP		Admiral Nakhimov
15:27	5,635	166	4 AP	2 hits	Admiral Nakhimov
15:28	5,804	172	2 AP		Admiral Nakhimov
15:29	5,973	178	3 AP		Admiral Nakhimov
15:30	6,155	191	4 AP		Admiral Nakhimov
15:31	6,349	203	4 AP		Admiral Nakhimov
15:32	6,604	273	3 AP		Admiral Nakhimov
15:33	6,881	279	4 AP		Admiral Nakhimov
15:34	7,477	252	2 AP		Vladimir Monomakh
15:35	7,723	241	1 AP		Vladimir Monomakh
15:37	8,018	236	1 HE		Vladimir Monomakh
15:38	8,284	502	1 HE		Vladimir Monomakh
15:39	8,932	671	1 HE		Vladimir Monomakh
15:40	9,644	727	1 AP		Vladimir Monomakh
15:42	11,215	826	1 AP		Vladimir Monomakh
20cm/40 Primary Total			478 shells	16 hits	3.3%

Combined Fleet, Asama, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:59	8,788	-395	9 HE		Imp Alexander III
14:00	8,419	-333	6 HE		Imp Alexander III
14:01	8,126	-247	9 HE		Imp Alexander III
14:02	7,917	-159	10 HE		Imp Alexander III
14:03	7,501	-463	11 HE		Imp Alexander III
14:04	7,079	-362	12 HE		Imp Alexander III
14:05	6,511	-223	11 HE		Kniaz Suvorow
14:06	6,343	-117	15 HE		Kniaz Suvorow
14:07	6,041	-260	14 HE		Kniaz Suvorow
14:08	5,851	-146	14 HE		Kniaz Suvorow
14:09	5,731	-64	12 HE		Kniaz Suvorow
14:10	6,263	-130	15 HE		Orel
14:11	6,150	-18	12 HE		Orel
14:12	6,155	58	11 HE		Orel
14:13	6,229	151	11 HE		Orel
14:14	6,419	229	7 HE		Orel
14:15	6,731	83	7 HE		Orel
14:16	6,873	206	12 HE		Orel
14:17	6,937	296	11 HE		Orel
14:18	7,260	354	11 HE		Orel
14:19	8,197	673	3 HE		Borodino
14:20	9,000	182	2 HE		Kniaz Suvorow
14:21	9,186	221	6 HE		Kniaz Suvorow
14:22	9,532	356	7 HE		Kniaz Suvorow
14:23	9,897	379	5 HE		Kniaz Suvorow
14:38	9,499	-499	3 HE		Kniaz Suvorow
14:39	9,010	-477	4 HE		Kniaz Suvorow
14:40	8,537	-434	7 HE		Kniaz Suvorow
14:41	8,135	-434	6 HE		Kniaz Suvorow
14:42	7,606	-466	5 HE		Imp Alexander III
14:43	7,180	-297	6 HE		Imp Alexander III
14:44	6,917	-264	6 HE		Imp Alexander III
14:45	6,900	-11	9 HE		Imp Alexander III
14:46	6,688	85	12 HE		Imp Alexander III
14:47	6,086	123	14 HE		Orel
14:48	6,214	131	13 HE		Orel
14:49	6,351	143	12 HE		Orel
14:50	6,496	147	9 HE		Orel
14:51	6,563	-58	13 HE		Orel
14:52	6,508	-52	13 HE		Orel
14:53	6,457	-49	10 HE		Orel
14:54	6,407	-306	10 HE	1 hit	Orel
14:55	6,086	-304	13 HE		Orel
14:56	5,783	-302	15 HE		Orel
14:57	5,483	-298	17 HE	1 hit	Orel
14:58	5,187	-295	18 HE		Orel
14:59	4,893	-290	19 HE	1 hit	Orel
15:00	4,604	-288	20 HE		Orel
15:01	5,007	92	14 HE		Borodino
15:02	5,134	134	18 HE		Borodino
15:03	5,300	173	18 HE		Borodino
15:04	5,603	151	16 HE	1 hit	Borodino
15:05	4,938	179	20 HE		Osliabia
15:06	6,241	135	14 HE		Kniaz Suvorow
15:07	6,405	173	15 HE		Kniaz Suvorow
15:08	6,591	195	13 HE		Kniaz Suvorow
15:09	7,052	-90	5 HE		Kniaz Suvorow
15:10	7,067	-64	10 HE		Kniaz Suvorow
15:11	7,031	-36	10 HE		Kniaz Suvorow
15:12	6,994	-36	12 HE		Kniaz Suvorow
15:13	6,959	-35	11 HE		Kniaz Suvorow
15:14	6,523	-32	13 HE	1 hit	Borodino
15:15	6,492	-31	13 HE		Borodino
15:16	6,461	-31	13 HE		Borodino
15:17	6,456	-4	12 HE		Borodino
15:18	6,452	-4	12 HE		Borodino
15:19	6,448	-4	11 HE		Borodino
15:20	5,275	6	14 HE		Admiral Nakhimov
15:21	5,281	6	17 HE		Admiral Nakhimov

15:22	5,288	57	16	HE	Admiral Nakhimov
15:23	5,322	-13	17	HE	Admiral Nakhimov
15:24	5,310	-8	16	HE	Admiral Nakhimov
15:25	5,301	-4	16	HE	Admiral Nakhimov
15:26	5,475	157	14	HE	Admiral Nakhimov
15:27	5,635	166	13	HE	Admiral Nakhimov
15:28	5,804	172	17	HE	Admiral Nakhimov
15:29	5,973	178	12	HE	Admiral Nakhimov
15:30	6,155	191	13	HE	Admiral Nakhimov
15:31	6,349	203	15	HE	Admiral Nakhimov
15:32	6,604	273	10	HE	Admiral Nakhimov
15:33	6,881	279	12	HE	Admiral Nakhimov
15:34	7,477	252	7	HE	Vladimir Monomakh
15:35	7,723	241	8	HE	Vladimir Monomakh
15:36	7,995	-46	1	HE	Vladimir Monomakh
15:37	8,018	236	4	HE	Vladimir Monomakh
15:38	8,284	502	5	HE	Vladimir Monomakh
15:39	8,932	671	1	HE	Vladimir Monomakh
15:40	9,644	727	1	HE	Vladimir Monomakh
15cm/40	Secondary	Total	976	shells	5 hits 0.5%

Combined Fleet, Tokiwa

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:59	9,267	-466	2 HE		Borodino
14:00	8,824	-407	6 HE		Borodino
14:01	8,447	-346	7 HE		Borodino
14:02	8,145	-262	8 HE		Borodino
14:03	7,926	-174	8 HE	1 hit	Borodino
14:04	7,559	-476	6 HE		Borodino
14:05	7,128	-375	8 HE		Borodino
14:06	6,786	-296	8 HE		Borodino
14:07	6,545	-193	8 HE		Borodino
14:08	6,419	-71	8 HE		Borodino
14:09	6,257	-222	7 HE		Borodino
14:10	5,758	-121	8 HE		Borodino
14:11	5,359	4	8 HE		Imp Alexander III
14:12	5,424	124	8 HE		Imp Alexander III
14:13	5,693	366	4 HE		Imp Alexander III
14:14	6,111	455	4 HE		Imp Alexander III
14:15	6,610	525	4 HE		Imp Alexander III
14:16	7,162	569	4 HE		Imp Alexander III
14:17	7,089	352	7 HE		Imp Alexander III
14:18	7,469	405	8 HE		Imp Alexander III
14:19	7,553	638	3 HE		Orel
14:21	9,074	201	2 HE		Kniaz Suvorow
14:22	9,773	320	1 HE		Kniaz Suvorow
14:23	9,609	376	1 HE		Imp Alexander III
14:24	9,995	391	2 HE		Imp Alexander III
14:25	10,430	445	1 HE		Imp Alexander III
14:26	10,879	458	1 HE		Imp Alexander III
14:28	11,800	459	1 HE		Imp Alexander III
14:31	12,573	-77	1 HE		Imp Alexander III
14:33	11,942	-565	1 HE		Imp Alexander III
14:34	11,384	-557	1 HE		Imp Alexander III
14:35	10,833	-548	1 HE		Imp Alexander III
14:36	10,288	-543	1 HE		Imp Alexander III
14:37	9,751	-533	2 HE		Imp Alexander III
14:38	9,227	-519	3 HE		Imp Alexander III
14:39	8,717	-469	4 HE		Imp Alexander III
14:40	8,618	-477	2 HE		Imp Alexander III
14:41	8,143	-473	4 HE		Imp Alexander III
14:42	7,710	-473	4 HE		Borodino
14:43	7,238	-475	4 HE		Borodino
14:44	6,755	-234	4 HE		Borodino
14:45	6,523	-232	4 HE		Borodino
14:46	6,480	81	7 HE		Borodino
14:47	6,566	100	8 HE		Borodino
14:48	7,021	-115	6 HE		Kniaz Suvorow
14:49	6,908	-110	8 HE		Kniaz Suvorow
14:50	6,799	-107	7 HE		Kniaz Suvorow
14:51	6,692	-105	7 HE		Kniaz Suvorow
14:52	6,589	-102	7 HE		Kniaz Suvorow
14:53	6,489	-100	7 HE		Kniaz Suvorow
14:54	6,357	-86	8 HE		Imp Alexander III
14:55	6,299	-325	8 HE		Kniaz Suvorow
14:56	5,975	-325	7 HE		Kniaz Suvorow
14:57	5,716	-308	8 HE		Orel
14:58	5,409	-306	8 HE		Orel
14:59	5,105	-304	6 HE		Orel
15:00	4,803	-300	8 HE	2 hits	Orel
15:01	5,119	-206	8 HE	1 hit	Osliabia
15:02	6,019	62	7 HE		Kniaz Suvorow
15:03	6,088	77	7 HE		Kniaz Suvorow
15:04	6,170	87	8 HE		Kniaz Suvorow
15:05	4,658	192	8 HE	3 hits	Sissoi Veliki
15:06	4,856	163	8 HE		Sissoi Veliki
15:07	5,083	210	8 HE		Sissoi Veliki
15:08	5,296	216	8 HE	1 hit	Sissoi Veliki
15:09	5,527	337	7 HE	1 hit	Sissoi Veliki
15:10	6,088	-92	5 HE		Sissoi Veliki
15:11	6,014	-74	7 HE	1 hit	Sissoi Veliki
15:12	5,564	-450	7 HE		Sissoi Veliki

15:13	5,323	-236	8 HE		Sissoi Veliki
15:14	5,098	-216	8 AP		Sissoi Veliki
15:15	4,849	-234	8 AP		Sissoi Veliki
15:16	4,627	-208	8 AP	2 hits	Sissoi Veliki
15:17	4,437	-175	8 AP	1 hit	Sissoi Veliki
15:18	4,282	-139	8 AP	1 hit	Sissoi Veliki
15:19	4,167	-96	8 AP		Sissoi Veliki
15:20	4,094	-51	6 AP	1 hit	Sissoi Veliki
15:21	4,066	-6	8 AP		Sissoi Veliki
15:22	4,085	52	8 AP		Sissoi Veliki
15:23	4,161	103	8 AP		Sissoi Veliki
15:24	4,273	66	3 AP		Sissoi Veliki
15:25	4,359	103	4 AP		Sissoi Veliki
15:26	4,338	254	4 AP	1 hit	Sissoi Veliki
15:27	4,604	278	4 AP		Sissoi Veliki
15:28	4,894	300	4 AP	1 hit	Sissoi Veliki
20cm/40	Primary Total	482 shells	17 hits	3.5%	

Combined Fleet, Tokiwa, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:59	9,267	-466	5 HE		Borodino
14:00	8,824	-407	7 HE		Borodino
14:01	8,447	-346	9 HE		Borodino
14:02	8,145	-262	9 HE		Borodino
14:03	7,926	-174	10 HE		Borodino
14:04	7,559	-476	10 HE		Borodino
14:05	7,128	-375	14 HE		Borodino
14:06	6,786	-296	12 HE		Borodino
14:07	6,545	-193	15 HE		Borodino
14:08	6,419	-71	12 HE		Borodino
14:09	6,257	-222	14 HE		Borodino
14:10	5,758	-121	17 HE		Borodino
14:11	5,359	4	12 HE		Imp Alexander III
14:12	5,424	124	13 HE		Imp Alexander III
14:13	5,693	366	7 HE		Imp Alexander III
14:14	6,111	455	6 HE		Imp Alexander III
14:15	6,610	525	5 HE		Imp Alexander III
14:16	7,162	569	5 HE		Imp Alexander III
14:17	7,089	352	6 HE		Imp Alexander III
14:18	7,469	405	7 HE		Imp Alexander III
14:19	7,553	638	3 HE		Orel
14:20	8,540	144	2 HE		Imp Alexander III
14:21	9,074	201	6 HE		Kniaz Suvorow
14:22	9,773	320	6 HE		Kniaz Suvorow
14:23	9,609	376	6 HE		Imp Alexander III
14:37	9,751	-533	3 HE		Imp Alexander III
14:38	9,227	-519	4 HE		Imp Alexander III
14:39	8,717	-469	4 HE		Imp Alexander III
14:40	8,618	-477	5 HE		Imp Alexander III
14:41	8,143	-473	5 HE		Imp Alexander III
14:42	7,710	-473	6 HE		Borodino
14:43	7,238	-475	6 HE		Borodino
14:44	6,755	-234	5 HE		Borodino
14:45	6,523	-232	8 HE		Borodino
14:46	6,480	81	9 HE		Borodino
14:47	6,566	100	11 HE	2 hits	Borodino
14:48	7,021	-115	11 HE		Kniaz Suvorow
14:49	6,908	-110	12 HE		Kniaz Suvorow
14:50	6,799	-107	8 HE		Kniaz Suvorow
14:51	6,692	-105	12 HE		Kniaz Suvorow
14:52	6,589	-102	12 HE		Kniaz Suvorow
14:53	6,489	-100	9 HE		Kniaz Suvorow
14:54	6,357	-86	11 HE		Imp Alexander III
14:55	6,299	-325	9 HE		Kniaz Suvorow
14:56	5,975	-325	15 HE		Kniaz Suvorow
14:57	5,716	-308	16 HE	1 hit	Orel
14:58	5,409	-306	16 HE		Orel
14:59	5,105	-304	19 HE		Orel
15:00	4,803	-300	19 HE		Orel
15:01	5,119	-206	16 HE		Osliabia
15:02	6,019	62	13 HE		Kniaz Suvorow
15:03	6,088	77	14 HE		Kniaz Suvorow
15:04	6,170	87	15 HE		Kniaz Suvorow
15:05	4,658	192	22 HE		Sissoi Veliki
15:06	4,856	163	20 HE		Sissoi Veliki
15:07	5,083	210	20 HE		Sissoi Veliki
15:08	5,296	216	18 HE		Sissoi Veliki
15:09	5,527	337	14 HE	1 hit	Sissoi Veliki
15:10	6,088	-92	9 HE		Sissoi Veliki
15:11	6,014	-74	13 HE		Sissoi Veliki
15:12	5,564	-450	11 HE		Sissoi Veliki
15:13	5,323	-236	16 HE		Sissoi Veliki
15:14	5,098	-216	15 HE		Sissoi Veliki
15:15	4,849	-234	16 HE	1 hit	Sissoi Veliki
15:16	4,627	-208	16 HE	1 hit	Sissoi Veliki
15:17	4,437	-175	18 HE	1 hit	Sissoi Veliki
15:18	4,282	-139	21 HE		Sissoi Veliki
15:19	4,167	-96	26 HE	1 hit	Sissoi Veliki
15:20	4,094	-51	19 HE		Sissoi Veliki

15:21	4,066	-6	26	HE		Sissoi Veliki
15:22	4,085	52	22	HE		Sissoi Veliki
15:23	4,161	103	23	HE	1 hit	Sissoi Veliki
15:24	4,273	66	21	HE		Sissoi Veliki
15:25	4,359	103	21	HE	2 hits	Sissoi Veliki
15:26	4,338	254	14	HE		Sissoi Veliki
15:27	4,604	278	16	HE		Sissoi Veliki
15:28	4,894	300	8	HE		Sissoi Veliki
15:29	6,133	163	14	HE		Admiral Nakhimov
15:30	6,301	178	13	HE		Admiral Nakhimov
15:31	6,481	190	12	HE		Admiral Nakhimov
15:32	7,141	216	8	HE		Vladimir Monomakh
15:33	8,114	134	6	HE		Dimitri Donskoi
15:34	6,238	265	14	HE		Osliabia
15:35	8,396	137	5	HE		Dimitri Donskoi
15:36	8,557	-76	4	HE		Dimitri Donskoi
15:37	8,482	63	4	HE		Dimitri Donskoi
15:38	8,602	563	2	HE		Dimitri Donskoi
15:39	9,132	646	5	HE		Dimitri Donskoi
15:40	8,721	635	5	HE		Admiral Nakhimov
15:41	6,214	774	4	HE		Navarin
15:42	6,404	678	10	HE		GenAdm Graf Apraxine
15:43	6,889	702	10	HE		Admiral Ushakov
15:44	7,429	-29	7	HE		Svietlana
15:45	8,012	502	1	HE		RU 1st DD
15cm/40	Secondary	Total	1060	shells	11 hits	1%

Combined Fleet, Azuma

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:06	6,642	-325	8 HE	1 hit	Imp Alexander III
14:07	6,369	-223	8 HE		Imp Alexander III
14:08	5,618	-295	7 HE		Kniaz Suvorow
14:09	5,345	-222	8 HE	1 hit	Kniaz Suvorow
14:10	6,701	-129	8 HE		Osliabia
14:11	6,612	-24	7 HE	1 hit	Osliabia
14:12	5,268	-398	2 HE	1 hit	Kniaz Suvorow
14:13	5,488	287	4 HE		Kniaz Suvorow
14:14	5,670	208	8 HE		Borodino
14:15	5,944	315	6 HE	1 hit	Borodino
14:16	6,324	423	4 HE		Borodino
14:17	6,788	492	4 HE		Borodino
14:18	7,278	-71	3 HE		Borodino
14:19	7,229	-39	8 HE		Borodino
14:20	7,201	1	7 HE		Borodino
14:21	7,222	59	8 HE		Borodino
14:22	7,486	296	8 HE		Borodino
14:23	7,846	396	8 HE		Borodino
14:24	8,263	543	7 HE	1 hit	Borodino
14:25	8,806	523	7 HE		Borodino
14:26	9,374	576	6 HE		Borodino
14:27	9,947	580	1 HE		Borodino
14:28	10,539	599	1 HE		Borodino
14:29	11,123	581	1 HE		Borodino
14:30	11,715	593	1 HE		Borodino
14:31	12,304	594	1 HE		Borodino
14:35	12,565	-456	1 HE		Borodino
14:37	11,594	-478	1 HE		Borodino
14:38	11,122	-466	1 HE		Borodino
14:39	10,660	-452	1 HE		Borodino
14:40	10,210	-436	2 HE		Borodino
14:41	9,774	-421	2 HE		Borodino
14:42	9,360	-401	3 HE		Borodino
14:43	8,959	-392	3 HE		Borodino
14:44	8,631	72	3 HE		Borodino
14:46	9,292	-79	2 HE		Kniaz Suvorow
14:47	7,444	-357	3 HE		Osliabia
14:48	7,059	-383	4 HE		Osliabia
14:49	6,645	-410	4 HE		Osliabia
14:50	6,201	-378	4 HE		Osliabia
14:51	6,302	107	8 HE		Osliabia
14:52	6,387	115	8 HE		Osliabia
14:53	6,505	123	8 HE		Osliabia
14:54	6,632	131	8 HE		Osliabia
14:55	6,702	-78	7 HE		Osliabia
14:56	6,625	-76	8 HE		Osliabia
14:57	6,543	-82	7 HE		Osliabia
14:58	6,462	-81	8 HE		Osliabia
14:59	7,544	144	2 HE		Kniaz Suvorow
15:00	7,703	173	2 HE		Kniaz Suvorow
15:01	7,780	-21	2 AP		Kniaz Suvorow
15:02	7,747	-30	2 AP		Kniaz Suvorow
15:03	6,983	34	2 HE		Borodino
15:04	7,164	-8	2 HE		Borodino
15:05	5,329	-208	7 HE		Navarin
15:06	4,993	-336	8 HE		Navarin
15:07	5,903	-34	8 HE		Osliabia
15:08	5,885	-10	8 AP		Osliabia
15:09	5,862	-13	7 AP		Osliabia
15:10	5,858	4	8 AP		Osliabia
15:11	5,870	30	4 AP		Osliabia
15:12	5,829	37	3 AP		Osliabia
15:13	5,824	38	4 AP		Osliabia
15:14	5,880	76	3 AP		Osliabia
15:15	5,979	116	4 AP		Osliabia
15:17	5,691	-161	4 AP		Osliabia
15:18	5,589	-121	4 AP		Osliabia
15:19	5,466	-117	4 AP		Osliabia
20cm/45	Primary	Total	325 shells	6 hits	1.8%

Combined Fleet, Azuma, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:06	6,642	-325	14 HE		Imp Alexander III
14:07	6,369	-223	12 HE		Imp Alexander III
14:08	5,618	-295	16 HE		Kniaz Suvorow
14:09	5,345	-222	18 HE		Kniaz Suvorow
14:10	6,701	-129	11 HE		Osliabia
14:11	6,612	-24	12 HE		Osliabia
14:12	5,268	-398	4 HE		Kniaz Suvorow
14:13	5,488	287	5 HE		Kniaz Suvorow
14:14	5,670	208	13 HE		Borodino
14:15	5,944	315	12 HE		Borodino
14:16	6,324	423	11 HE	1 hit	Borodino
14:17	6,788	492	9 HE		Borodino
14:18	7,278	-71	3 HE		Borodino
14:19	7,229	-39	8 HE		Borodino
14:20	7,201	1	9 HE		Borodino
14:21	7,222	59	11 HE		Borodino
14:22	7,486	296	9 HE	1 hit	Borodino
14:23	7,846	396	10 HE		Borodino
14:24	8,263	543	8 HE		Borodino
14:25	8,806	523	8 HE		Borodino
14:26	9,374	576	6 HE		Borodino
14:41	9,774	-421	1 HE		Borodino
14:42	9,360	-401	1 HE		Borodino
14:43	8,959	-392	1 HE		Borodino
14:44	8,631	72	4 HE		Borodino
14:46	9,292	-79	1 HE		Kniaz Suvorow
14:47	7,444	-357	2 HE		Osliabia
14:48	7,059	-383	2 HE		Osliabia
14:49	6,645	-410	2 HE		Osliabia
14:50	6,201	-378	3 HE		Osliabia
14:51	6,302	107	12 HE		Osliabia
14:52	6,387	115	11 HE		Osliabia
14:53	6,505	123	11 HE		Osliabia
14:54	6,632	131	13 HE		Osliabia
14:55	6,702	-78	14 HE		Osliabia
14:56	6,625	-76	9 HE		Osliabia
14:57	6,543	-82	10 HE		Osliabia
14:58	6,462	-81	11 HE		Osliabia
14:59	7,544	144	9 HE		Kniaz Suvorow
15:00	7,703	173	11 HE		Kniaz Suvorow
15:01	7,780	-21	7 HE		Kniaz Suvorow
15:02	7,747	-30	7 HE		Kniaz Suvorow
15:03	6,983	34	10 HE		Borodino
15:04	7,164	-8	10 HE		Borodino
15:05	5,329	-208	14 HE		Navarin
15:06	4,993	-336	12 HE		Navarin
15:07	5,903	-34	13 HE		Osliabia
15:08	5,885	-10	12 HE		Osliabia
15:09	5,862	-13	12 HE		Osliabia
15:10	5,858	4	13 HE	1 hit	Osliabia
15:11	5,870	30	12 HE		Osliabia
15:12	5,829	37	12 HE		Osliabia
15:13	5,824	38	15 HE		Osliabia
15:14	5,880	76	16 HE		Osliabia
15:15	5,979	116	15 HE		Osliabia
15:16	6,383	-273	9 HE		Borodino
15:17	5,691	-161	14 HE		Osliabia
15:18	5,589	-121	11 HE		Osliabia
15:19	5,466	-117	13 HE		Osliabia
15:22	4,490	172	18 HE		Admiral Nakhimov
15:23	5,378	11	12 HE		Dimitri Donskoi
15:24	4,674	115	17 HE	1 hit	Admiral Nakhimov
15:25	5,473	154	17 HE		Dimitri Donskoi
15:26	5,203	341	17 HE		Admiral Nakhimov
15:27	5,993	373	11 HE		Dimitri Donskoi
15:28	5,927	331	13 HE		Admiral Nakhimov
15:29	6,706	403	10 HE		Dimitri Donskoi
15:30	7,126	452	8 HE		Dimitri Donskoi
15:31	7,201	72	9 HE		Dimitri Donskoi

15:32	7,664	-368	1 HE	Osliabia
15:33	6,152	417	5 HE	Vladimir Monomakh
15:34	7,029	-295	2 HE	Sissoi Veliki
15:35	7,050	497	8 HE	Vladimir Monomakh
15:36	7,611	579	9 HE	Vladimir Monomakh
15:37	8,466	788	1 HE	Vladimir Monomakh
15:38	9,265	788	1 HE	Vladimir Monomakh
15:39	6,609	819	10 HE	Navarin
15:40	6,672	746	11 HE	GenAdm Graf Apraxine
15:41	6,967	746	10 HE	Admiral Ushakov
15:42	7,376	227	10 HE	Jemtchug
15:43	7,991	-111	2 HE	RU 1st DD
15:44	8,649	-107	1 HE	RU 1st DD
15cm/40 Secondary Total 767 shells 4 hits 0.5%				

Combined Fleet, Yakumo

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:06	7,070	-423	8 HE		Borodino
14:07	6,685	-339	8 HE		Borodino
14:08	6,401	-237	8 HE		Borodino
14:09	5,672	-295	8 HE		Imp Alexander III
14:10	6,932	-251	8 HE		Sissoi Veliki
14:11	6,725	-150	8 HE		Sissoi Veliki
14:12	6,631	-47	8 HE		Sissoi Veliki
14:13	6,642	44	8 HE	1 hit	Sissoi Veliki
14:14	6,628	38	8 HE		Sissoi Veliki
14:15	6,398	-100	8 HE		Sissoi Veliki
14:16	6,314	0	8 HE		Sissoi Veliki
14:17	6,350	92	8 HE	1 hit	Sissoi Veliki
14:18	6,491	183	8 HE		Sissoi Veliki
14:19	6,918	-243	2 HE		Sissoi Veliki
14:20	6,691	-166	8 HE	1 hit	Sissoi Veliki
14:21	6,511	-640	8 HE		Sissoi Veliki
14:22	6,415	-100	8 HE		Sissoi Veliki
14:23	6,548	111	8 HE		Sissoi Veliki
14:24	6,754	225	8 HE		Sissoi Veliki
14:25	7,035	320	7 HE		Sissoi Veliki
14:26	7,372	378	8 HE		Sissoi Veliki
14:27	7,775	433	8 HE		Sissoi Veliki
14:28	8,219	474	7 HE		Sissoi Veliki
14:29	8,711	533	6 HE		Sissoi Veliki
14:30	9,247	537	4 HE		Sissoi Veliki
14:31	9,756	492	4 HE		Sissoi Veliki
14:32	10,245	499	1 HE		Sissoi Veliki
14:33	10,812	554	1 HE		Sissoi Veliki
14:35	11,151	-127	1 HE		Sissoi Veliki
14:36	10,801	-212	1 HE		Sissoi Veliki
14:37	10,558	-242	1 HE		Sissoi Veliki
14:38	10,317	-239	1 HE		Sissoi Veliki
14:39	10,078	-237	1 HE		Sissoi Veliki
14:40	9,843	-234	2 HE		Sissoi Veliki
14:41	9,605	-231	2 HE		Sissoi Veliki
14:42	9,377	-227	3 HE		Sissoi Veliki
14:43	9,150	-223	3 HE	1 hit	Sissoi Veliki
14:44	8,833	-482	3 HE		Sissoi Veliki
14:45	8,601	-432	2 HE		Sissoi Veliki
14:46	8,261	-430	4 HE	1 hit	Sissoi Veliki
14:47	7,832	-427	3 HE		Sissoi Veliki
14:48	9,008	-345	2 HE		Imp Alexander III
14:49	8,878	-320	4 HE		Kniaz Suworow
14:50	8,564	-310	4 HE		Kniaz Suworow
14:51	8,020	-315	1 HE		Imp Alexander III
14:52	7,835	-123	2 HE		Imp Alexander III
14:53	7,713	-102	7 HE		Imp Alexander III
14:54	7,591	-151	8 HE		Imp Alexander III
14:55	7,471	-148	8 HE		Imp Alexander III
14:56	7,160	-114	8 HE		Borodino
14:57	6,653	-86	8 HE		Osliabia
14:58	6,570	-83	8 HE		Osliabia
14:59	6,612	42	8 HE		Osliabia
15:00	6,654	42	8 HE		Osliabia
15:01	6,690	36	7 HE		Osliabia
15:02	6,616	-193	8 HE	1 hit	Osliabia
15:03	6,407	-234	8 HE		Osliabia
15:04	6,386	7	6 HE		Osliabia
15:05	6,320	-22	8 HE		Osliabia
15:06	7,376	-115	2 AP		Borodino
15:07	5,785	-51	8 HE		Sissoi Veliki
15:08	5,719	-59	8 HE		Sissoi Veliki
15:09	5,659	-29	8 HE		Sissoi Veliki
15:10	5,564	-61	8 HE		Sissoi Veliki
15:11	5,492	-45	8 HE		Sissoi Veliki
15:12	5,108	79	8 HE	1 hit	Navarin
15:13	5,217	130	7 HE		Navarin
15:14	5,355	157	8 HE	1 hit	Navarin
15:15	5,518	189	8 HE		Navarin

15:16	5,736	227	8 AP	1 hit	Navarin
15:17	5,652	-92	8 AP	1 hit	Navarin
15:18	5,541	-99	8 AP	1 hit	Navarin
15:19	5,424	-140	8 AP	1 hit	Navarin
15:20	5,293	-126	7 AP	1 hit	Navarin
15:21	5,202	-226	4 AP		Navarin
15:22	4,978	-176	4 AP		Navarin
15:23	4,871	48	4 AP		Navarin
15:24	4,948	91	4 AP		Navarin
15:25	5,122	189	4 AP		Navarin
15:26	5,336	302	4 AP		Navarin
15:27	5,648	338	4 AP		Navarin
15:28	5,981	278	4 AP		Navarin
15:29	6,286	243	4 AP	1 hit	Navarin
15:30	6,460	208	4 AP		Navarin
20cm/45	Primary	Total	484 shells	14 hits	2.9%

Combined Fleet, Yakumo, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:06	7,070	-423	10 HE		Borodino
14:07	6,685	-339	13 HE		Borodino
14:08	6,401	-237	14 HE		Borodino
14:09	5,672	-295	16 HE		Imp Alexander III
14:10	6,932	-251	11 HE		Sissoi Veliki
14:11	6,725	-150	12 HE		Sissoi Veliki
14:12	6,631	-47	12 HE		Sissoi Veliki
14:13	6,642	44	12 HE		Sissoi Veliki
14:14	6,628	38	12 HE		Sissoi Veliki
14:15	6,398	-100	8 HE		Sissoi Veliki
14:16	6,314	0	9 HE		Sissoi Veliki
14:17	6,350	92	9 HE		Sissoi Veliki
14:18	6,491	183	10 HE		Sissoi Veliki
14:19	6,918	-243	2 HE		Sissoi Veliki
14:20	6,691	-166	8 HE		Sissoi Veliki
14:21	6,511	-640	10 HE		Sissoi Veliki
14:22	6,415	-100	10 HE		Sissoi Veliki
14:23	6,548	111	9 HE		Sissoi Veliki
14:24	6,754	225	12 HE	1 hit	Sissoi Veliki
14:25	7,035	320	10 HE		Sissoi Veliki
14:26	7,372	378	10 HE		Sissoi Veliki
14:27	7,775	433	9 HE		Sissoi Veliki
14:28	8,219	474	5 HE		Sissoi Veliki
14:29	8,711	533	5 HE		Sissoi Veliki
14:30	9,247	537	5 HE		Sissoi Veliki
14:31	9,756	492	4 HE		Sissoi Veliki
14:40	9,843	-234	1 HE		Sissoi Veliki
14:41	9,605	-231	1 HE		Sissoi Veliki
14:42	9,377	-227	1 HE		Sissoi Veliki
14:43	9,150	-223	1 HE		Sissoi Veliki
14:44	8,833	-482	2 HE		Sissoi Veliki
14:45	8,601	-432	5 HE		Sissoi Veliki
14:46	8,261	-430	7 HE		Sissoi Veliki
14:47	7,832	-427	8 HE		Sissoi Veliki
14:48	9,008	-345	1 HE		Imp Alexander III
14:49	8,878	-320	1 HE		Kniaz Suvorow
14:50	8,564	-310	2 HE		Kniaz Suvorow
14:51	8,020	-315	1 HE		Imp Alexander III
14:52	7,835	-123	6 HE		Imp Alexander III
14:53	7,713	-102	7 HE		Imp Alexander III
14:54	7,591	-151	8 HE		Imp Alexander III
14:55	7,471	-148	8 HE		Imp Alexander III
14:56	7,160	-114	9 HE		Borodino
14:57	6,653	-86	10 HE		Osliabia
14:58	6,570	-83	13 HE	2 hits	Osliabia
14:59	6,612	42	11 HE		Osliabia
15:00	6,654	42	12 HE		Osliabia
15:01	6,690	36	12 HE		Osliabia
15:02	6,616	-193	9 HE		Osliabia
15:03	6,407	-234	11 HE		Osliabia
15:04	6,386	7	11 HE		Osliabia
15:05	6,320	-22	8 HE		Osliabia
15:06	7,376	-115	8 HE		Borodino
15:07	5,785	-51	11 HE		Sissoi Veliki
15:08	5,719	-59	12 HE		Sissoi Veliki
15:09	5,659	-29	10 HE		Sissoi Veliki
15:10	5,564	-61	13 HE		Sissoi Veliki
15:11	5,492	-45	12 HE		Sissoi Veliki
15:12	5,108	79	13 HE		Navarin
15:13	5,217	130	16 HE		Navarin
15:14	5,355	157	13 HE	1 hit	Navarin
15:15	5,518	189	17 HE		Navarin
15:16	5,736	227	13 HE		Navarin
15:17	5,652	-92	9 HE		Navarin
15:18	5,541	-99	12 HE		Navarin
15:19	5,424	-140	11 HE		Navarin
15:20	5,293	-126	14 HE		Navarin
15:21	5,202	-226	10 HE		Navarin
15:22	4,978	-176	12 HE		Navarin

15:23	4,871	48	17	HE		Navarin
15:24	4,948	91	17	HE		Navarin
15:25	5,122	189	17	HE	1 hit	Navarin
15:26	5,336	302	12	HE	1 hit	Navarin
15:27	5,648	338	15	HE		Navarin
15:28	5,981	278	14	HE	1 hit	Navarin
15:29	6,286	243	12	HE	2 hits	Navarin
15:30	6,460	208	13	HE		Navarin
15:31	6,074	208	13	HE		Vladimir Monomakh
15:32	8,025	-141	1	HE		Sissoi Veliki
15:33	7,667	-231	2	HE		Osliabia
15:34	7,421	-425	1	HE		Sissoi Veliki
15:35	7,167	276	11	HE		Osliabia
15:36	7,142	338	11	HE		Osliabia
15:37	6,716	600	9	HE		Osliabia
15:38	6,588	781	10	HE		Osliabia
15:39	9,569	848	1	HE		Vladimir Monomakh
15:40	6,470	855	10	HE		Navarin
15:41	6,693	746	8	HE		Admiral Seniavin
15:42	7,051	749	7	HE		Admiral Ushakov
15:43	7,635	-114	1	HE		RU 1st DD
15:45	8,943	690	1	HE		RU 2nd DD
15cm/40	Secondary Total	822	shells		9 hits	1.1%

Combined Fleet, Iwate

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:06	7,601	-490	7 HE		Orel
14:07	7,124	-436	8 HE		Orel
14:08	6,730	-354	7 HE		Orel
14:09	6,102	-417	8 HE		Borodino
14:10	7,307	-281	8 HE		Navarin
14:11	7,075	-291	7 HE		Navarin
14:12	4,913	-90	8 HE		Imp Alexander III
14:13	5,010	173	7 HE		Imp Alexander III
14:14	5,406	2	8 HE		Orel
14:15	5,318	203	8 HE		Orel
14:16	5,539	316	8 HE		Orel
14:17	6,162	524	4 HE		Imp Alexander III
14:18	6,698	563	4 HE		Imp Alexander III
14:19	7,264	574	4 HE		Imp Alexander III
14:20	7,466	-106	2 HE		Orel
14:21	7,364	-39	8 HE		Orel
14:22	7,360	32	8 HE		Orel
14:23	7,431	103	6 HE		Orel
14:24	8,581	457	1 HE		Imp Alexander III
14:25	9,583	514	1 HE		Kniaz Suvorow
14:26	10,096	529	1 HE		Kniaz Suvorow
14:27	10,627	535	1 HE		Kniaz Suvorow
14:28	11,161	547	1 HE		Kniaz Suvorow
14:29	11,714	559	1 HE		Kniaz Suvorow
14:31	12,836	574	1 HE		Kniaz Suvorow
14:38	12,162	-434	1 HE		Kniaz Suvorow
14:39	11,732	-420	1 HE		Kniaz Suvorow
14:40	11,316	-406	1 HE		Kniaz Suvorow
14:41	10,915	-391	1 HE		Kniaz Suvorow
14:42	10,297	-431	1 HE		Orel
14:43	9,873	-421	1 HE		Orel
14:44	9,458	-405	1 HE		Orel
14:45	9,735	-187	1 HE		Imp Alexander III
14:46	9,860	-181	2 HE		Imp Alexander III
14:47	8,298	-424	1 HE		Sissoi Veliki
14:48	7,968	-418	4 HE		Sissoi Veliki
14:49	7,551	-415	3 HE	1 hit	Sissoi Veliki
14:50	7,139	-408	4 HE		Sissoi Veliki
14:51	6,733	-401	3 HE		Sissoi Veliki
14:52	6,334	91	8 HE		Sissoi Veliki
14:53	6,430	111	7 HE		Sissoi Veliki
14:54	6,534	107	6 HE		Sissoi Veliki
14:55	6,672	140	8 HE		Sissoi Veliki
14:56	6,816	-82	8 HE		Sissoi Veliki
14:57	6,734	-81	8 HE	2 hits	Sissoi Veliki
14:58	6,656	-85	8 HE	1 hit	Sissoi Veliki
14:59	6,570	-85	8 HE		Sissoi Veliki
15:00	6,596	30	8 HE		Sissoi Veliki
15:01	6,639	42	8 HE		Sissoi Veliki
15:02	6,667	-23	7 HE		Sissoi Veliki
15:03	6,560	-227	8 HE	1 hit	Sissoi Veliki
15:04	6,300	-266	7 HE	1 hit	Sissoi Veliki
15:05	5,823	-243	8 AP		Admiral Nakhimov
15:06	6,610	-17	7 HE		Osliabia
15:07	6,604	-68	2 HE		Osliabia
15:08	7,923	-147	2 HE		Kniaz Suvorow
15:09	7,762	-150	1 HE		Kniaz Suvorow
15:10	7,622	-128	2 HE		Kniaz Suvorow
15:11	7,020	-99	2 HE		Borodino
15:12	5,119	56	6 HE		Admiral Nakhimov
15:13	7,347	-54	2 HE		Kniaz Suvorow
15:14	7,305	-31	2 HE		Kniaz Suvorow
15:15	7,289	0	7 HE		Kniaz Suvorow
15:16	6,292	79	8 HE		Osliabia
15:17	6,383	-58	8 HE		Osliabia
15:18	6,914	-219	1 HE		Borodino
15:19	6,722	-253	2 HE		Borodino
15:20	6,671	-189	4 HE		Dimitri Donskoi
15:21	6,482	-137	4 AP		Dimitri Donskoi

15:22	6,320	-181	4 AP	Dimitri Donskoi
15:23	6,140	-168	4 AP	Dimitri Donskoi
15:24	6,058	-121	8 AP	Dimitri Donskoi
15:25	6,006	-58	6 AP	Dimitri Donskoi
15:26	5,990	30	8 AP	Dimitri Donskoi
15:27	6,092	233	7 AP	Dimitri Donskoi
15:28	6,373	361	8 AP	Dimitri Donskoi
15:29	6,755	400	6 AP	Dimitri Donskoi
15:30	7,177	411	2 AP	Dimitri Donskoi
15:31	7,294	42	6 AP	Dimitri Donskoi
15:32	7,313	52	5 AP	Dimitri Donskoi
15:33	7,399	-382	3 AP	Dimitri Donskoi
15:34	7,090	-325	2 AP	Dimitri Donskoi
15:35	6,819	133	6 AP	Dimitri Donskoi
15:36	7,020	663	3 AP	Dimitri Donskoi
15:37	7,731	650	2 AP	Dimitri Donskoi
15:38	8,434	699	1 HE	Dimitri Donskoi
15:39	9,154	739	1 HE	Dimitri Donskoi
15:41	10,938	893	1 HE	Dimitri Donskoi
20cm/45 Primary Total 402 shells 6 hits 1.5%				

Combined Fleet, Iwate, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:06	7,601	-490	8 HE		Orel
14:07	7,124	-436	10 HE		Orel
14:08	6,730	-354	13 HE		Orel
14:09	6,102	-417	13 HE		Borodino
14:10	7,307	-281	10 HE		Navarin
14:11	7,075	-291	13 HE		Navarin
14:12	4,913	-90	12 HE		Imp Alexander III
14:13	5,010	173	14 HE		Imp Alexander III
14:14	5,406	2	13 HE		Orel
14:15	5,318	203	12 HE		Orel
14:16	5,539	316	11 HE	1 hit	Orel
14:17	6,162	524	9 HE		Imp Alexander III
14:18	6,698	563	9 HE		Imp Alexander III
14:19	7,264	574	8 HE		Imp Alexander III
14:20	7,466	-106	2 HE		Orel
14:21	7,364	-39	7 HE		Orel
14:22	7,360	32	7 HE		Orel
14:23	7,431	103	11 HE		Orel
14:24	8,581	457	7 HE		Imp Alexander III
14:25	9,583	514	5 HE		Kniaz Suvorow
14:43	9,873	-421	2 HE		Orel
14:44	9,458	-405	2 HE		Orel
14:45	9,735	-187	1 HE		Imp Alexander III
14:46	9,860	-181	2 HE		Imp Alexander III
14:47	8,298	-424	6 HE		Sissoi Veliki
14:48	7,968	-418	2 HE		Sissoi Veliki
14:49	7,551	-415	3 HE		Sissoi Veliki
14:50	7,139	-408	3 HE		Sissoi Veliki
14:51	6,733	-401	3 HE		Sissoi Veliki
14:52	6,334	91	7 HE		Sissoi Veliki
14:53	6,430	111	9 HE		Sissoi Veliki
14:54	6,534	107	10 HE		Sissoi Veliki
14:55	6,672	140	12 HE		Sissoi Veliki
14:56	6,816	-82	11 HE		Sissoi Veliki
14:57	6,734	-81	11 HE		Sissoi Veliki
14:58	6,656	-85	12 HE		Sissoi Veliki
14:59	6,570	-85	12 HE		Sissoi Veliki
15:00	6,596	30	12 HE		Sissoi Veliki
15:01	6,639	42	11 HE		Sissoi Veliki
15:02	6,667	-23	9 HE		Sissoi Veliki
15:03	6,560	-227	7 HE		Sissoi Veliki
15:04	6,300	-266	8 HE		Sissoi Veliki
15:05	5,823	-243	10 HE		Admiral Nakhimov
15:06	6,610	-17	8 HE		Osliabia
15:07	6,604	-68	8 HE		Osliabia
15:08	7,923	-147	7 HE		Kniaz Suvorow
15:09	7,762	-150	4 HE		Kniaz Suvorow
15:10	7,622	-128	7 HE		Kniaz Suvorow
15:11	7,020	-99	7 HE		Borodino
15:12	5,119	56	11 HE		Admiral Nakhimov
15:13	7,347	-54	7 HE		Kniaz Suvorow
15:14	7,305	-31	8 HE		Kniaz Suvorow
15:15	7,289	0	7 HE		Kniaz Suvorow
15:16	6,292	79	14 HE		Osliabia
15:17	6,383	-58	9 HE		Osliabia
15:18	6,914	-219	7 HE		Borodino
15:19	6,722	-253	9 HE		Borodino
15:20	6,671	-189	7 HE		Dimitri Donskoi
15:21	6,482	-137	7 HE		Dimitri Donskoi
15:22	6,320	-181	8 HE		Dimitri Donskoi
15:23	6,140	-168	7 HE		Dimitri Donskoi
15:24	6,058	-121	8 HE		Dimitri Donskoi
15:25	6,006	-58	8 HE		Dimitri Donskoi
15:26	5,990	30	9 HE		Dimitri Donskoi
15:27	6,092	233	12 HE		Dimitri Donskoi
15:28	6,373	361	11 HE		Dimitri Donskoi
15:29	6,755	400	10 HE		Dimitri Donskoi
15:30	7,177	411	8 HE		Dimitri Donskoi
15:31	7,294	42	7 HE		Dimitri Donskoi

15:32	7,313	52	9 HE		Dimitri Donskoi
15:33	7,399	-382	4 HE		Dimitri Donskoi
15:34	7,090	-325	5 HE		Dimitri Donskoi
15:35	6,819	133	6 HE		Dimitri Donskoi
15:36	7,020	663	4 HE		Dimitri Donskoi
15:37	7,731	650	7 HE		Dimitri Donskoi
15:38	8,434	699	4 HE		Dimitri Donskoi
15:39	9,154	739	3 HE		Dimitri Donskoi
15cm/40	Secondary	Total	616 shells	1 hit	0.2%

Combined Fleet, Naniwa

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
13:58	9,603	253	1 HE		Jemtchug
14:10	7,683	-361	5 HE		Admiral Nakhimov
14:11	7,365	-402	1 HE		Admiral Nakhimov
14:12	6,836	-575	1 HE		Admiral Nakhimov
14:13	6,306	-522	2 HE		Admiral Nakhimov
14:14	5,818	-486	2 HE		Admiral Nakhimov
14:15	5,379	-407	11 HE		Admiral Nakhimov
14:16	5,154	-542	2 HE		Admiral Nakhimov
14:17	4,582	-507	11 HE		Admiral Nakhimov
14:18	4,100	-415	12 HE		Admiral Nakhimov
14:19	3,783	-231	16 HE		Admiral Nakhimov
14:20	3,854	553	16 HE		Bogatyr
14:21	4,692	842	2 HE		Bogatyr
14:22	5,524	833	1 HE		Bogatyr
14:23	6,391	900	2 HE		Bogatyr
14:24	7,291	900	1 HE		Bogatyr
14:25	8,190	900	1 HE		Bogatyr
14:26	9,029	842	1 HE		Bogatyr
14:52	9,623	-310	1 HE		Bogatyr
14:53	9,291	-332	1 HE		Bogatyr
14:54	8,959	-332	7 HE		Bogatyr
14:55	8,627	-332	6 HE		Bogatyr
14:56	8,296	-331	5 HE		Bogatyr
14:57	8,327	35	2 HE		Bogatyr
14:58	8,304	43	1 HE		Bogatyr
14:59	8,350	52	2 HE		Bogatyr
15:00	8,404	56	1 HE		Bogatyr
15:02	8,414	-48	2 HE		Bogatyr
15:03	8,366	-48	5 HE		Bogatyr
15:04	8,319	-46	2 HE		Bogatyr
15:05	8,275	-44	6 HE		Bogatyr
15:07	8,184	-47	1 HE		Bogatyr
15:08	8,139	-44	1 HE		Bogatyr
15:09	5,348	-51	2 HE		Admiral Nakhimov
15:10	8,058	-36	1 HE		Bogatyr
15:11	7,545	-30	1 HE		Aurora
15:12	7,470	-75	1 HE		Aurora
15:13	7,396	-71	1 HE		Aurora
15:14	5,110	-46	3 HE		Admiral Nakhimov
15:15	4,975	-70	2 HE		Admiral Nakhimov
15:16	4,850	-89	12 HE	1 hit	Admiral Nakhimov
15:17	4,785	-56	14 HE		Admiral Nakhimov
15:18	4,793	-14	14 HE		Admiral Nakhimov
15:19	4,785	0	16 HE		Admiral Nakhimov
15:20	4,792	13	14 HE	1 hit	Admiral Nakhimov
15:21	4,813	27	13 HE		Admiral Nakhimov
15:22	4,902	123	14 HE		Admiral Nakhimov
15:24	7,656	105	1 HE		Bogatyr
15:25	7,855	242	1 HE		Bogatyr
15:26	8,197	384	1 HE		Bogatyr
15:27	8,561	375	1 HE		Bogatyr
15:28	8,632	90	1 HE		Bogatyr
15:29	8,652	56	1 HE		Bogatyr
15:30	8,710	58	1 HE		Bogatyr
15:31	8,770	61	1 HE		Bogatyr
15:32	8,919	150	1 HE		Bogatyr
15:33	9,071	156	1 HE		Bogatyr
15:35	9,387	162	1 HE		Bogatyr
15:36	9,550	165	1 HE		Bogatyr
15cm/40	Primary	Total	251 shells	2 hits	0.8%

Combined Fleet, Takachiho

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:05	9,828	-649	1 HE		Admiral Nakhimov
14:06	9,206	-370	1 HE		Admiral Nakhimov
14:08	8,561	-292	1 HE		Admiral Nakhimov
14:09	8,299	-326	1 HE		Admiral Nakhimov
14:10	6,831	-743	1 HE		Bogatyr
14:11	6,105	-708	2 HE		Bogatyr
14:12	5,489	-574	1 HE		Bogatyr
14:13	4,821	-677	9 HE		Bogatyr
14:14	4,205	-576	12 HE		Bogatyr
14:15	3,684	-458	18 HE	1 hit	Bogatyr
14:16	3,304	-298	21 HE		Bogatyr
14:17	3,124	-74	19 HE	2 hits	Bogatyr
14:18	3,094	80	21 HE		Bogatyr
14:19	3,286	293	19 HE		Bogatyr
14:20	3,676	468	19 HE		Bogatyr
14:21	4,210	587	12 HE		Bogatyr
14:22	5,025	900	2 HE		Bogatyr
14:23	5,891	833	2 HE		Bogatyr
14:24	6,791	900	1 HE		Bogatyr
14:25	7,690	900	1 HE		Bogatyr
14:26	8,530	842	1 HE		Bogatyr
14:55	9,787	-297	1 HE		Bogatyr
14:56	9,464	-323	1 HE		Bogatyr
14:58	9,423	20	1 HE		Bogatyr
14:59	9,445	30	1 HE		Bogatyr
15:01	9,544	55	1 HE		Bogatyr
15:03	9,629	12	1 HE		Bogatyr
15:05	9,663	17	1 HE		Bogatyr
15:07	9,581	-32	1 HE		Bogatyr
15:09	9,519	-29	1 HE		Bogatyr
15:11	9,443	-50	1 HE		Bogatyr
15:13	6,389	-30	2 HE		Admiral Nakhimov
15:14	6,439	-47	2 HE		Admiral Nakhimov
15:15	6,300	-77	2 HE		Admiral Nakhimov
15:16	6,137	-129	2 HE		Admiral Nakhimov
15:18	9,026	-61	1 HE		Bogatyr
15:19	8,966	-59	1 HE		Bogatyr
15:20	8,908	-57	1 HE		Bogatyr
15:21	8,875	-31	1 HE		Bogatyr
15:23	8,701	-130	1 HE		Bogatyr
15:24	8,612	-49	1 HE		Bogatyr
15:25	8,299	-1	1 HE		Aurora
15:26	8,452	105	1 HE		Aurora
15:27	8,538	171	1 HE		Aurora
15:28	8,730	223	1 HE		Aurora
15:29	8,945	73	1 HE		Aurora
15:31	9,062	44	1 HE		Aurora
15:33	9,193	115	1 HE		Aurora
15:34	9,340	124	1 HE		Aurora
15:35	9,467	119	1 HE		Aurora
15:37	9,750	303	1 HE		Aurora
15:38	6,542	88	1 HE		Jemtchug
15:39	6,636	80	2 HE		Jemtchug
15:40	6,447	-189	1 HE		Jemtchug
15:41	6,228	-187	2 HE		Jemtchug
15:42	5,847	398	2 HE		Svietlana
15:43	6,327	514	1 HE		Svietlana
15:44	6,859	558	1 HE		Svietlana
15cm/40	Primary Total		209 shells	3 hits	1.4%

Combined Fleet, Akashi

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:06	9,519	-419	1 HE		Admiral Nakhimov
14:07	9,140	-273	1 HE		Admiral Nakhimov
14:08	8,906	-190	1 HE		Admiral Nakhimov
14:09	8,672	-377	1 HE		Admiral Nakhimov
14:10	7,679	-800	1 HE		Aurora
14:11	6,918	-775	2 HE		Aurora
14:12	6,166	-730	2 HE		Aurora
14:13	5,517	-593	5 HE		Aurora
14:14	4,922	-716	2 HE		Aurora
14:15	4,294	-614	3 HE		Aurora
14:16	3,756	-530	7 HE		Aurora
14:17	3,316	-348	9 HE		Aurora
14:18	3,099	-93	9 HE		Aurora
14:19	3,076	51	9 HE		Aurora
14:20	3,244	281	6 HE	1 hit	Aurora
14:21	3,625	478	9 HE		Aurora
14:22	4,034	875	2 HE		Aurora
14:23	4,891	866	3 HE		Aurora
14:24	5,791	933	2 HE		Aurora
14:25	6,691	933	1 HE		Aurora
14:26	7,590	933	2 HE		Aurora
14:27	8,410	875	1 HE		Aurora
14:28	9,286	878	1 HE		Aurora
14:54	9,539	-327	2 HE		Aurora
14:55	9,213	-324	2 HE		Aurora
14:56	8,898	-312	2 HE		Aurora
14:57	8,578	-158	2 HE		Aurora
14:58	8,389	-116	1 HE		Aurora
14:59	8,566	35	2 HE		Aurora
15:00	8,603	39	1 HE		Aurora
15:01	8,648	48	1 HE		Aurora
15:02	8,699	12	1 HE		Aurora
15:03	8,711	-4	1 HE		Aurora
15:04	8,697	-51	1 HE		Aurora
15:05	8,647	-48	1 HE		Aurora
15:06	8,599	-46	1 HE		Aurora
15:07	8,553	-43	1 HE		Aurora
15:08	8,512	-38	1 HE		Aurora
15:09	8,483	-47	1 HE		Aurora
15:10	8,437	-44	1 HE		Aurora
15:11	8,395	-41	1 HE		Aurora
15:12	8,355	-52	1 HE		Aurora
15:13	8,304	-57	2 HE		Aurora
15:14	8,239	-74	1 HE		Aurora
15:15	8,165	-74	1 HE		Aurora
15:16	8,092	-73	2 HE		Aurora
15:17	8,020	-61	1 HE		Aurora
15:18	7,959	-45	1 HE		Aurora
15:19	7,928	-28	1 HE		Aurora
15:20	7,902	-25	1 HE		Aurora
15:21	7,879	-22	1 HE		Aurora
15:22	7,860	10	2 HE		Aurora
15:23	7,945	-124	1 HE		Aurora
15:24	7,878	-63	3 HE		Aurora
15:25	7,948	63	3 HE		Aurora
15:26	8,160	160	2 HE		Aurora
15:27	8,296	206	1 HE		Aurora
15:28	8,523	251	1 HE		Aurora
15:29	8,725	49	1 HE		Aurora
15:30	8,775	51	2 HE		Aurora
15:31	8,827	54	2 HE		Aurora
15:32	8,881	96	2 HE		Aurora
15:33	8,977	128	2 HE		Aurora
15:34	9,140	146	2 HE		Aurora
15:35	9,288	150	1 HE		Aurora
15:36	9,440	153	1 HE		Aurora
15:37	9,595	371	2 HE		Aurora
15cm/40 Primary Total			143 shells	1 hit	0.7%

Combined Fleet, Akashi, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:06	9,519	-419	2 HE		Admiral Nakhimov
14:07	9,140	-273	2 HE		Admiral Nakhimov
14:08	8,906	-190	2 HE		Admiral Nakhimov
14:09	8,672	-377	2 HE		Admiral Nakhimov
14:10	7,679	-800	3 HE		Aurora
14:11	6,918	-775	3 HE		Aurora
14:12	6,166	-730	5 HE		Aurora
14:13	5,517	-593	5 HE		Aurora
14:14	4,922	-716	6 HE		Aurora
14:15	4,294	-614	7 HE		Aurora
14:16	3,756	-530	9 HE		Aurora
14:17	3,316	-348	10 HE		Aurora
14:18	3,099	-93	13 HE		Aurora
14:19	3,076	51	15 HE		Aurora
14:20	3,244	281	15 HE	2 hits	Aurora
14:21	3,625	478	13 HE		Aurora
14:22	4,034	875	3 HE		Aurora
14:23	4,891	866	3 HE		Aurora
14:24	5,791	933	2 HE		Aurora
14:25	6,691	933	2 HE		Aurora
14:26	7,590	933	1 HE		Aurora
14:27	8,410	875	1 HE		Aurora
14:28	9,286	878	1 HE		Aurora
14:29	10,100	881	1 HE		Aurora
14:30	10,983	884	1 HE		Aurora
14:32	12,755	809	1 HE		Aurora
14:41	12,343	-739	1 HE		Aurora
14:42	11,614	-313	1 HE		Aurora
14:43	11,301	-141	1 HE		Aurora
14:44	11,213	-70	2 HE		Aurora
14:45	11,160	-31	1 HE		Aurora
14:46	11,175	-1	1 HE		Aurora
14:47	11,140	-99	1 HE		Aurora
14:48	11,040	-129	2 HE		Aurora
14:49	10,951	-173	1 HE		Aurora
14:50	10,799	-180	1 HE		Aurora
14:51	10,494	-325	2 HE		Aurora
14:52	10,168	-325	1 HE		Aurora
14:53	9,845	-329	2 HE		Aurora
14:54	9,539	-327	2 HE		Aurora
14:55	9,213	-324	2 HE		Aurora
14:56	8,898	-312	3 HE		Aurora
14:57	8,578	-158	2 HE		Aurora
14:58	8,389	-116	3 HE		Aurora
14:59	8,566	35	3 HE		Aurora
15:00	8,603	39	2 HE		Aurora
15:01	8,648	48	3 HE		Aurora
15:02	8,699	12	2 HE		Aurora
15:03	8,711	-4	2 HE		Aurora
15:04	8,697	-51	3 HE		Aurora
15:05	8,647	-48	2 HE		Aurora
15:06	8,599	-46	2 HE		Aurora
15:07	8,553	-43	2 HE		Aurora
15:08	8,512	-38	2 HE		Aurora
15:09	8,483	-47	3 HE		Aurora
15:10	8,437	-44	2 HE		Aurora
15:11	8,395	-41	3 HE		Aurora
15:12	8,355	-52	2 HE		Aurora
15:13	8,304	-57	3 HE		Aurora
15:14	8,239	-74	3 HE		Aurora
15:15	8,165	-74	3 HE		Aurora
15:16	8,092	-73	3 HE		Aurora
15:17	8,020	-61	3 HE		Aurora
15:18	7,959	-45	3 HE		Aurora
15:19	7,928	-28	2 HE		Aurora
15:20	7,902	-25	3 HE		Aurora
15:21	7,879	-22	3 HE		Aurora
15:22	7,860	10	3 HE		Aurora
15:23	7,945	-124	4 HE		Aurora

15:24	7,878	-63	4 HE	Aurora
15:25	7,948	63	2 HE	Aurora
15:26	8,160	160	3 HE	Aurora
15:27	8,296	206	3 HE	Aurora
15:28	8,523	251	3 HE	Aurora
15:29	8,725	49	3 HE	Aurora
15:30	8,775	51	2 HE	Aurora
15:31	8,827	54	4 HE	Aurora
15:32	8,881	96	3 HE	Aurora
15:33	8,977	128	4 HE	Aurora
15:34	9,140	146	3 HE	Aurora
15:35	9,288	150	2 HE	Aurora
15:36	9,440	153	3 HE	Aurora
15:37	9,595	371	3 HE	Aurora
15:38	9,970	518	1 HE	Aurora
15:39	10,429	683	2 HE	Aurora
15:40	11,166	736	1 HE	Aurora
15:41	11,879	738	1 HE	Aurora
15:42	12,617	754	1 HE	Aurora
12cm/45 Secondary	Total	271 shells	2 hits	0.7%

Combined Fleet, Tsushima

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:07	9,417	-321	1 HE		Admiral Nakhimov
14:08	9,129	-237	1 HE		Admiral Nakhimov
14:09	9,057	-430	1 HE		Admiral Nakhimov
14:10	8,323	-1,148	1 HE		Izumrud
14:11	7,212	-1,132	1 HE		Izumrud
14:12	6,142	-1,048	2 HE		Izumrud
14:13	5,128	-970	2 HE		Izumrud
14:14	4,212	-848	14 HE		Izumrud
14:15	4,365	-5	5 HE		Izumrud
14:16	4,361	8	8 HE		Izumrud
14:17	4,449	138	8 HE		Izumrud
14:18	4,701	303	3 HE		Izumrud
14:19	5,052	395	3 HE		Izumrud
14:20	5,493	365	1 HE		Izumrud
14:21	5,880	412	2 HE		Izumrud
14:22	5,381	720	1 HE		Izumrud
14:23	6,099	769	2 HE		Izumrud
14:24	6,956	948	1 HE		Izumrud
14:25	7,882	1,008	1 HE		Izumrud
15:07	9,461	-32	1 HE		Bogatyr
15:08	9,432	-33	1 HE		Bogatyr
15:09	9,403	-30	1 HE		Bogatyr
15:11	9,320	-47	1 HE		Bogatyr
15:12	9,275	-55	1 HE		Bogatyr
15:13	9,220	-57	1 HE		Bogatyr
15:14	9,163	-55	1 HE		Bogatyr
15:15	9,110	-77	1 HE		Bogatyr
15:16	9,033	-76	1 HE		Bogatyr
15:17	8,963	-61	1 HE		Bogatyr
15:18	8,902	-61	1 HE		Bogatyr
15:19	8,842	-55	2 HE		Bogatyr
15:21	8,766	-31	2 HE		Bogatyr
15:23	8,607	-117	1 HE		Bogatyr
15:24	8,527	-49	2 HE		Bogatyr
15:25	8,574	110	1 HE		Bogatyr
15:27	9,107	330	2 HE		Bogatyr
15:28	9,194	109	1 HE		Bogatyr
15:30	9,278	36	1 HE		Bogatyr
15:31	9,316	39	1 HE		Bogatyr
15:32	9,417	114	1 HE		Bogatyr
15:33	9,532	117	1 HE		Bogatyr
15:34	9,650	121	1 HE		Bogatyr
15:35	9,767	133	1 HE		Bogatyr
15cm/40	Primary Total		86 shells	0 hits	

Combined Fleet, Tsushima, Secondary

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:07	9,417	-321	4 HE		Admiral Nakhimov
14:08	9,129	-237	5 HE		Admiral Nakhimov
14:09	9,057	-430	5 HE		Admiral Nakhimov
14:10	8,323	-1,148	3 HE		Izumrud
14:11	7,212	-1,132	5 HE		Izumrud
14:12	6,142	-1,048	10 HE		Izumrud
14:13	5,128	-970	13 HE	1 hit	Izumrud
14:14	4,212	-848	15 HE		Izumrud
14:15	4,365	-5	9 HE	1 hit	Izumrud
14:16	4,361	8	14 HE	1 hit	Izumrud
14:17	4,449	138	14 HE		Izumrud
14:18	4,701	303	12 HE		Izumrud
14:19	5,052	395	11 HE		Izumrud
14:20	5,493	365	10 HE		Izumrud
14:21	5,880	412	7 HE		Izumrud
14:22	5,381	720	5 HE		Izumrud
14:23	6,099	769	7 HE		Izumrud
14:24	6,956	948	5 HE		Izumrud
14:25	7,882	1,008	4 HE		Izumrud
14:26	8,884	1,078	2 HE		Izumrud
14:27	9,948	1,136	1 HE		Izumrud
15:07	9,461	-32	3 HE		Bogatyr
15:08	9,432	-33	4 HE		Bogatyr
15:09	9,403	-30	3 HE		Bogatyr
15:10	9,369	-50	4 HE		Bogatyr
15:11	9,320	-47	3 HE		Bogatyr
15:12	9,275	-55	4 HE		Bogatyr
15:13	9,220	-57	4 HE		Bogatyr
15:14	9,163	-55	3 HE		Bogatyr
15:15	9,110	-77	4 HE		Bogatyr
15:16	9,033	-76	5 HE		Bogatyr
15:17	8,963	-61	3 HE		Bogatyr
15:18	8,902	-61	4 HE		Bogatyr
15:19	8,842	-55	5 HE		Bogatyr
15:20	8,797	-34	4 HE		Bogatyr
15:21	8,766	-31	5 HE		Bogatyr
15:22	8,757	6	4 HE		Bogatyr
15:23	8,607	-117	5 HE		Bogatyr
15:24	8,527	-49	4 HE		Bogatyr
15:25	8,574	110	4 HE		Bogatyr
15:26	8,775	250	4 HE		Bogatyr
15:27	9,107	330	6 HE		Bogatyr
15:28	9,194	109	3 HE		Bogatyr
15:29	9,216	67	4 HE		Bogatyr
15:30	9,278	36	3 HE		Bogatyr
15:31	9,316	39	4 HE		Bogatyr
15:32	9,417	114	6 HE		Bogatyr
15:33	9,532	117	4 HE		Bogatyr
15:34	9,650	121	4 HE		Bogatyr
15:35	9,767	133	3 HE		Bogatyr
15:36	9,902	136	4 HE		Bogatyr
15:37	10,113	345	6 HE		Bogatyr
15:38	10,469	419	6 HE		Bogatyr
15:39	10,842	413	4 HE		Bogatyr
15:40	11,230	727	1 HE		Bogatyr
15:41	11,936	706	2 HE		Bogatyr
15:42	12,681	753	1 HE		Bogatyr
12cm/45 Secondary Total			301 shells	3 hits	1%

Combined Fleet, JA 1st DD

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:12	8,067	-848	1 HE		Jemtchug
14:14	7,907	107	1 HE		Jemtchug
14:16	7,875	-73	1 HE		RU 1st DD
14:17	7,899	115	1 HE		RU 1st DD
14:33	8,056	-566	1 HE		Svietlana
14:34	7,782	-786	2 HE		Izumrud
14:35	6,964	-816	1 HE		Izumrud
14:36	6,127	-835	2 HE		Izumrud
14:37	6,245	134	1 HE		Izumrud
14:38	6,889	675	1 HE		Izumrud
14:40	7,764	-53	1 HE		Izumrud
14:41	7,793	-141	1 HE		Izumrud
14:43	7,856	129	1 HE		Svietlana
14:49	7,298	-512	2 HE		Izumrud
14:50	6,768	-539	1 HE		Izumrud
14:51	6,221	-539	2 HE		Izumrud
14:52	5,679	-527	3 HE		Izumrud
14:53	5,181	-475	2 HE		Izumrud
14:54	4,740	-418	3 HE		Izumrud
14:55	4,370	-337	12 HE		Izumrud
14:56	4,103	-218	11 HE		Izumrud
14:57	4,446	334	2 HE		Izumrud
14:58	4,786	344	10 HE		Izumrud
14:59	5,174	389	8 HE		Izumrud
15:00	5,606	432	1 HE		Izumrud
15:01	6,080	473	2 HE		Izumrud
15:02	6,144	64	1 HE		Izumrud
15:03	5,352	-791	2 HE		Izumrud
15:04	4,610	-741	2 HE		Izumrud
15:05	3,793	-815	16 HE		Izumrud
15:06	2,896	-894	19 HE		Izumrud
15:07	2,280	-615	25 HE	1 hit	Izumrud
15:08	2,077	275	21 HE		Jemtchug
15:09	2,439	517	21 AP		Jemtchug
15:10	3,066	648	4 HE		Jemtchug
15:11	4,184	754	3 HE		Izumrud
15:12	4,154	-25	2 HE		Izumrud
15:13	7,681	-878	1 HE		Bogatyry
15:14	1,960	-682	26 HE	1 hit	Izumrud
15:15	6,010	-863	8 HE		Bogatyry
15:16	5,144	-864	2 HE		Bogatyry
15:17	3,260	1,003	4 HE		Izumrud
15:18	3,468	-850	17 HE	1 hit	Bogatyry
15:19	2,590	-868	19 HE		Aurora
15:20	1,788	-809	29 AP		Bogatyry
15:21	1,022	-692	41 HE		Bogatyry
8cm/40 Primary Total 337 shells				3 hits	0.9%

Combined Fleet, JA 2nd DD

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:12	8,012	-230	1 HE		Izumrud
14:13	7,876	-33	1 HE		Izumrud
14:14	7,328	-50	1 HE		Svietlana
14:16	7,881	-98	1 HE		RU 1st DD
14:34	7,881	-786	1 HE		Izumrud
14:35	7,063	-816	2 HE		Izumrud
14:36	6,227	-835	2 HE		Izumrud
14:37	6,348	134	1 HE		Izumrud
14:39	7,625	671	1 HE		Izumrud
14:41	7,999	-131	1 HE		Svietlana
14:43	7,874	132	1 HE		Svietlana
14:49	7,399	-488	1 HE		Izumrud
14:50	6,885	-519	1 HE		Izumrud
14:51	6,343	-533	1 HE		Izumrud
14:52	5,790	-543	1 HE		Izumrud
14:53	5,613	-409	2 HE		Svietlana
14:54	4,829	-425	2 HE		Izumrud
14:55	4,432	-370	2 HE		Izumrud
14:56	4,118	-242	3 HE		Izumrud
14:57	4,176	4	8 HE		Jemtchug
14:58	4,370	363	9 AP		Jemtchug
14:59	4,756	389	2 HE		Jemtchug
15:00	4,891	436	2 HE		Svietlana
15:01	5,660	473	2 HE		Jemtchug
15:02	5,400	35	1 HE		Svietlana
15:03	5,436	45	2 HE		Svietlana
15:04	4,563	-743	2 HE		Izumrud
15:05	4,055	-834	9 HE		Jemtchug
15:06	2,845	-892	14 HE	1 hit	Izumrud
15:07	2,231	-614	15 HE		Izumrud
15:08	2,453	289	16 AP		Izumrud
15:09	1,836	487	21 AP		Svietlana
15:10	3,379	625	11 AP		Izumrud
15:11	3,123	844	13 HE		Svietlana
15:12	4,071	-17	2 AP		Izumrud
15:13	3,251	-1,264	11 HE	1 hit	Jemtchug
15:14	1,814	-754	16 HE		Izumrud
15:15	6,003	-859	2 AP		Bogatyr
15:16	5,142	-858	2 HE		Bogatyr
15:17	4,323	-815	10 HE		Bogatyr
15:18	3,478	-841	13 HE		Bogatyr
15:19	2,584	-858	17 HE		Aurora
15:20	1,836	-784	22 AP	2 hits	Bogatyr
15:21	1,108	-639	28 HE	3 hits	Bogatyr
15:22	792	7	30 HE	3 hits	Bogatyr
15:23	619	-32	37 HE	1 hit	Bogatyr
8cm/40 Primary Total 343 shells				11 hits	3.2%

Combined Fleet, JA 3rd DD

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:12	7,900	-597	1 HE		Svietlana
14:13	7,389	-368	1 HE		Svietlana
14:14	7,174	-93	1 HE		Svietlana
14:15	7,668	489	1 HE		Jemtchug
14:17	7,942	331	1 HE		Svietlana
14:34	7,765	-295	1 HE		Svietlana
14:35	7,454	-124	1 HE		Svietlana
14:36	6,706	-822	1 HE		Jemtchug
14:41	8,016	-144	1 HE		Izumrud
14:49	7,579	-463	1 HE		Izumrud
14:50	7,079	-498	1 HE		Izumrud
14:51	6,553	-521	1 HE		Izumrud
14:52	6,001	-544	2 HE		Izumrud
14:53	5,485	-504	2 HE		Izumrud
14:54	5,353	-370	2 HE		Svietlana
14:55	4,538	-279	2 HE		Izumrud
14:56	4,158	-250	3 HE		Izumrud
14:57	4,430	279	3 HE		Izumrud
14:58	4,336	339	8 HE	1 hit	Jemtchug
14:59	4,703	371	2 HE		Jemtchug
15:00	5,485	414	2 HE		Izumrud
15:01	5,949	465	2 HE		Izumrud
15:02	6,088	139	1 HE		Izumrud
15:03	5,353	-732	2 HE		Izumrud
15:04	4,640	-713	3 HE		Izumrud
15:05	3,849	-791	10 HE		Izumrud
15:06	2,981	-869	13 HE		Izumrud
15:07	2,792	-777	14 HE		Svietlana
15:08	2,570	250	13 HE		Izumrud
15:09	2,347	401	17 HE		Jemtchug
15:10	2,902	593	13 AP		Jemtchug
15:11	4,035	730	3 HE		Izumrud
15:12	4,020	-6	2 HE		Izumrud
15:13	7,738	-853	2 HE		Bogatyr
15:14	2,133	-1,001	18 HE		Jemtchug
15:15	1,427	-223	25 AP	1 hit	Jemtchug
15:16	1,826	892	20 HE		Jemtchug
15:17	2,988	1,074	14 AP		Izumrud
15:18	3,635	-823	8 HE		Bogatyr
15:19	2,818	-807	16 AP		Bogatyr
15:20	5,947	1,264	1 AP		Izumrud
15:21	7,666	-803	1 HE		RU 1st DD
15:22	6,367	-1,299	1 HE		RU 1st DD
15:23	5,070	-1,286	2 HE		RU 1st DD
15:24	3,742	-1,298	4 HE		RU 1st DD
8cm/40	Primary	Total	243 shells	2 hits	0.8%

Combined Fleet, JA 4th DD

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:10	7,959	-698	1 HE		Izumrud
14:11	7,345	-500	1 HE		Izumrud
14:12	6,779	-451	1 HE		Izumrud
14:13	6,447	-190	1 HE		Izumrud
14:14	6,370	64	1 HE		Izumrud
14:15	6,923	583	2 HE		Izumrud
14:16	7,513	152	1 HE		Aurora
14:18	7,361	196	1 HE		RU 1st DD
14:34	7,744	-254	2 HE		Svietlana
14:35	7,441	-110	1 HE		Svietlana
14:36	6,424	-850	2 HE		Izumrud
14:38	7,367	518	1 HE		Izumrud
14:42	8,009	97	1 HE		Jemtchug
14:50	7,294	-477	1 HE		Izumrud
14:51	6,774	-514	1 HE		Izumrud
14:52	6,358	-476	1 HE		Svietlana
14:53	5,686	-525	2 HE		Izumrud
14:54	5,303	-444	5 HE		Jemtchug
14:55	4,865	-276	2 HE		Jemtchug
14:56	4,269	-273	2 HE		Izumrud
14:57	4,495	-130	10 HE		Svietlana
14:58	4,349	-50	10 AP		Svietlana
14:59	4,695	350	3 HE	1 hit	Jemtchug
15:00	5,100	409	2 HE		Jemtchug
15:01	5,561	462	2 HE		Jemtchug
15:02	5,310	116	1 HE		Svietlana
15:03	5,437	-683	2 HE		Izumrud
15:04	4,757	-680	2 HE		Izumrud
15:05	4,227	-778	3 HE		Jemtchug
15:06	3,157	-837	11 HE		Izumrud
15:07	2,604	-553	14 HE		Izumrud
15:08	2,712	190	15 AP		Izumrud
15:09	2,892	299	14 HE		Izumrud
15:10	3,350	532	3 HE		Izumrud
15:11	3,988	685	3 HE		Izumrud
15:12	3,813	118	3 HE		Jemtchug
15:13	7,796	-815	1 HE		Bogatyr
15:14	7,012	-783	2 HE		Bogatyr
15:15	6,236	-775	2 HE		Bogatyr
15:16	1,686	562	19 HE	1 hit	Svietlana
15:17	4,661	-769	8 HE		Bogatyr
15:18	3,893	-768	3 HE		Bogatyr
15:19	3,101	-791	13 HE	1 hit	Bogatyr
15:20	5,675	1,245	1 HE		Izumrud
15:21	1,483	-783	25 HE	1 hit	Aurora
15:22	656	-776	38 HE	1 hit	Aurora
15:23	221	309	44 HE	4 hits	Aurora
15:24	5,096	-723	1 HE		RU 1st DD
8cm/40 Primary Total			285 shells	9 hits	3.2%

Combined Fleet, JA 5th DD

Local Time	Range Yards	Range Rate	Shells Fired	Result	Target
14:11	7,409	-599	1 HE		Izumrud
14:12	6,762	-534	1 HE		Izumrud
14:13	6,344	-275	1 HE		Izumrud
14:14	6,185	5	2 HE		Izumrud
14:15	6,740	593	1 HE		Izumrud
14:16	7,530	216	1 HE		Bogatyr
14:17	7,788	337	1 HE		Bogatyr
14:18	7,384	125	1 HE		RU 1st DD
14:34	7,992	-247	1 HE		Svietlana
14:36	6,678	-853	1 HE		Izumrud
14:37	6,067	-510	1 HE		Izumrud
14:39	7,594	832	1 HE		Jemtchug
14:50	7,448	-485	1 HE		Izumrud
14:51	7,412	-740	1 HE		Svietlana
14:52	6,368	-539	1 HE		Izumrud
14:53	5,838	-520	2 HE		Izumrud
14:54	5,320	-506	2 HE		Izumrud
14:55	4,986	-290	1 HE		Jemtchug
14:56	4,421	-290	3 HE		Izumrud
14:57	4,627	216	2 HE		Izumrud
14:58	4,388	-53	8 HE	2 hits	Svietlana
14:59	4,732	326	3 HE		Jemtchug
15:00	5,119	393	2 HE		Jemtchug
15:01	5,568	451	2 HE		Jemtchug
15:02	6,187	209	1 HE		Izumrud
15:03	5,546	-637	1 HE		Izumrud
15:04	4,900	-646	2 HE		Izumrud
15:05	4,177	-724	3 HE		Izumrud
15:06	3,564	-806	11 HE		Jemtchug
15:07	2,692	-684	14 HE	1 hit	Jemtchug
15:08	2,405	148	16 HE		Jemtchug
15:09	1,947	225	20 AP		Svietlana
15:10	3,399	474	11 AP		Izumrud
15:11	3,518	600	9 HE		Jemtchug
15:12	3,903	260	2 HE		Jemtchug
15:13	3,625	-855	4 HE		Jemtchug
15:14	2,318	-921	18 HE		Izumrud
15:15	7,660	-477	1 AP		Bogatyr
15:16	7,125	-532	1 HE		Bogatyr
15:17	841	983	33 HE	3 hits	Izumrud
15:18	1,596	964	23 HE	1 hit	Jemtchug
15:19	5,268	-675	8 HE		Bogatyr
15:20	4,451	-681	10 HE		Aurora
15:21	3,740	-711	10 AP		Aurora
15:22	2,997	-696	13 HE		Aurora
15:23	2,375	-388	15 AP		Aurora
15:24	6,638	-1,230	2 HE		RU 1st DD
15:25	1,711	-290	21 HE	1 hit	Aurora
15:26	1,604	-171	8 HE		Aurora
8cm/40	Primary	Total	298 shells	8 hits	2.7%