

## Pacific Fleet

Hits recieved by Orel from primary batteries

Time	Range	Hits	From
11:12	13,802	1	Kaga 41cm/45
			Hit 1, AP, secondary roof, no penetration
11:13	14,460	1	Mutsu 41cm/45
			Hit 1, AP, lower belt, spalling
11:15	12,290	1	Kaga 41cm/45
			Hit 1, AP, upper belt, penetration fit to burst
11:18	12,109	1	Mutsu 41cm/45
			Hit 1, AP, upper deck, penetration fit to burst, deck, no penetration
11:19	12,050	1	Mutsu 41cm/45
			Hit 1, AP, middle belt, penetration fit to burst
11:20	12,746	2	Kaga 41cm/45
			Hit 1, AP, upper deck, spalling, deck, no penetration
			Hit 2, AP, forward deck, no penetration
11:20	12,113	1	Mutsu 41cm/45
			Hit 1, AP, primary roof, no penetration, X turret
11:21	12,270	2	Mutsu 41cm/45
			Hit 1, AP, primary roof, no penetration
			Hit 2, AP, lower belt, spalling
11:22	13,358	1	Kaga 41cm/45
			Hit 1, AP, lower belt, no penetration
11:23	13,628	1	Kaga 41cm/45
			Hit 1, AP, aft side, penetration
11:24	13,092	1	Mutsu 41cm/45
			Hit 1, AP, upper deck, no penetration, deck, no penetration
11:25	13,236	1	Tosa 41cm/45
			Hit 1, AP, superstructure
11:25	13,367	2	Mutsu 41cm/45
			Hit 1, AP, secondary roof, no penetration
			Hit 2, AP, primary face, penetration
11:26	13,556	2	Tosa 41cm/45
			Hit 1, AP, upper belt, penetration fit to burst
			Hit 2, AP, forward belt, penetration fit to burst
11:26	13,646	2	Mutsu 41cm/45
			Hit 1, AP, middle belt, penetration
			Hit 2, AP, primary face, no penetration
11:27	14,758	1	Kaga 41cm/45
			Hit 1, AP, aft side, penetration
11:27	13,867	2	Mutsu 41cm/45
			Hit 1, AP, upper belt, penetration fit to burst
			Hit 2, AP, aft deck, spalling
11:35	15,814	1	Kaga 41cm/45
			Hit 1, AP, upper belt, penetration
11:36	15,835	1	Kaga 41cm/45

Hit 1, AP, aft deck, penetration fit to burst  
11:38 15,822 1 Kaga 41cm/45  
Hit 1, AP, aft belt, no penetration  
11:40 14,675 2 Yamashiro 36cm/45  
Hit 1, HE, upper belt, penetration fit to burst  
Hit 2, HE, superstructure  
11:41 15,831 2 Kaga 41cm/45  
Hit 1, AP, lower belt, no penetration  
Hit 2, AP, forward side, penetration  
11:42 15,549 1 Tosa 41cm/45  
Hit 1, AP, primary barbette, no penetration  
11:43 15,462 1 Kaga 41cm/45  
Hit 1, AP, middle belt, penetration  
11:45 14,978 1 Tosa 41cm/45  
Hit 1, AP, aft side, penetration fit to burst  
11:52 14,152 1 Kaga 41cm/45  
Hit 1, AP, forward deck, penetration fit to burst  
11:54 13,967 1 Kaga 41cm/45  
Hit 1, HE, forward belt, no penetration  
12:04 14,233 1 Fuso 36cm/45  
Hit 1, HE, lower belt, no penetration  
12:05 14,615 4 Fuso 36cm/45  
Hit 1, HE, aft side, penetration  
Hit 2, HE, upper deck, no penetration, deck, no penetration  
Hit 3, HE, middle belt, penetration  
Hit 4, HE, secondary face, penetration, secondary gun  
12:06 14,997 2 Fuso 36cm/45  
Hit 1, HE, secondary face, spalling, secondary gun  
Hit 2, HE, primary face, no penetration  
12:07 15,251 6 Fuso 36cm/45  
Hit 1, HE, primary barbette, no penetration  
Hit 2, HE, primary face, no penetration, X turret  
Hit 3, HE, upper belt, penetration fit to burst  
Hit 4, HE, secondary roof, no penetration  
Hit 5, HE, middle belt, no penetration  
Hit 6, HE, secondary face, no penetration  
12:10 15,964 1 Fuso 36cm/45  
Hit 1, HE, lower belt, no penetration  
12:11 16,209 2 Fuso 36cm/45  
Hit 1, HE, lower belt, no penetration  
Hit 2, HE, upper deck, penetration, deck, no penetration  
12:16 17,785 1 Fuso 36cm/45  
Hit 1, HE, lower belt, no penetration  
12:20 19,245 1 Fuso 36cm/45  
Hit 1, HE, upper deck, no penetration, deck, no penetration

## Hits recieved by Slava from primary batteries

Time	Range	Hits	From
11:12	16,082	1	Hyuga 36cm/45
			Hit 1, AP, funnel
11:16	12,540	1	Nagato 41cm/45
			Hit 1, AP, primary face, no penetration
11:17	12,079	1	Nagato 41cm/45
			Hit 1, AP, upper belt, penetration
11:17	12,634	2	Hyuga 36cm/45
			Hit 1, AP, middle belt, penetration dud/low order
			Hit 2, AP, primary barbette, no penetration
11:18	12,226	1	Hyuga 36cm/45
			Hit 1, AP, primary face, no penetration
11:19	11,817	3	Hyuga 36cm/45
			Hit 1, AP, forward side, penetration fit to burst
			Hit 2, AP, upper deck, no penetration, deck, no penetration
			Hit 3, AP, aft belt, no penetration
11:20	11,408	4	Hyuga 36cm/45
			Hit 1, AP, upper belt, penetration fit to burst
			Hit 2, AP, upper deck, no penetration, deck, no penetration
			Hit 3, AP, fire control
			Hit 4, AP, lower belt, penetration
11:21	11,000	2	Hyuga 36cm/45
			Hit 1, AP, secondary face, spalling, secondary gun
			Hit 2, AP, upper deck, spalling, deck, no penetration
11:22	10,602	2	Hyuga 36cm/45
			Hit 1, AP, aft side, penetration fit to burst
			Hit 2, AP, middle belt, penetration
11:23	10,968	1	Hyuga 36cm/45
			Hit 1, AP, upper deck, no penetration, deck, no penetration
11:25	13,020	1	Nagato 41cm/45
			Hit 1, AP, middle belt, penetration
11:27	13,690	1	Nagato 41cm/45
			Hit 1, AP, middle belt, penetration
11:28	13,985	1	Nagato 41cm/45
			Hit 1, AP, lower belt, penetration fit to burst
11:30	14,557	1	Nagato 41cm/45
			Hit 1, AP, upper deck, penetration fit to burst, deck, no penetration
11:30	13,821	1	Hyuga 36cm/45
			Hit 1, AP, forward side, penetration
11:32	15,413	1	Tosa 41cm/45
			Hit 1, AP, middle belt, penetration fit to burst
11:33	15,733	1	Tosa 41cm/45
			Hit 1, AP, forward belt, no penetration
11:34	15,755	1	Tosa 41cm/45
			Hit 1, AP, superstructure

11:35 15,772 1 Tosa 41cm/45  
Hit 1, AP, lower belt, penetration fit to burst

11:35 15,680 1 Nagato 41cm/45  
Hit 1, AP, primary barbette, spalling, Q turret

11:36 15,707 1 Nagato 41cm/45  
Hit 1, AP, upper deck, no penetration, deck, no penetration

11:37 15,734 1 Nagato 41cm/45  
Hit 1, AP, lower belt, spalling

11:38 15,740 1 Nagato 41cm/45  
Hit 1, AP, upper deck, spalling, deck, no penetration

11:39 15,740 1 Nagato 41cm/45  
Hit 1, AP, upper belt, penetration fit to burst

11:40 15,742 1 Nagato 41cm/45  
Hit 1, AP, secondary roof, no penetration, secondary gun

11:40 14,628 1 Fuso 36cm/45  
Hit 1, AP, aft side, penetration

11:41 14,585 1 Yamashiro 36cm/45  
Hit 1, HE, aft side, penetration

11:41 14,652 5 Fuso 36cm/45  
Hit 1, HE, forward side, penetration fit to burst  
Hit 2, HE, middle belt, spalling  
Hit 3, HE, lower belt, no penetration  
Hit 4, HE, lower belt, no penetration  
Hit 5, HE, upper deck, no penetration, deck, no penetration

11:42 14,629 1 Yamashiro 36cm/45  
Hit 1, HE, upper deck, no penetration, deck, no penetration

11:43 14,629 1 Fuso 36cm/45  
Hit 1, HE, primary face, no penetration

11:45 14,241 2 Yamashiro 36cm/45  
Hit 1, HE, upper deck, no penetration, deck, no penetration  
Hit 2, HE, primary roof, no penetration

11:45 14,266 2 Fuso 36cm/45  
Hit 1, HE, forward side, penetration  
Hit 2, HE, lower belt, no penetration

11:47 14,641 1 Tosa 41cm/45  
Hit 1, AP, lower belt, no penetration

11:52 12,542 1 Tosa 41cm/45  
Hit 1, AP, aft deck, penetration fit to burst

11:53 12,458 1 Tosa 41cm/45  
Hit 1, AP, forward side, penetration

11:54 12,189 1 Tosa 41cm/45  
Hit 1, AP, middle belt, penetration

11:55 12,043 1 Tosa 41cm/45  
Hit 1, AP, middle belt, penetration fit to burst

11:56 11,942 1 Tosa 41cm/45  
Hit 1, AP, lower belt, no penetration

11:57 12,635 1 Tosa 41cm/45  
Hit 1, AP, secondary face, penetration, secondary gun

12:01 13,824 2 Tosa 41cm/45  
Hit 1, AP, middle belt, penetration  
Hit 2, AP, upper deck, penetration, deck, no penetration

12:02 14,382 1 Tosa 41cm/45  
Hit 1, AP, primary barbette, no penetration

12:03 14,105 1 Tosa 41cm/45  
Hit 1, AP, upper deck, penetration fit to burst, deck,  
penetration, engines damaged

12:05 14,374 2 Tosa 41cm/45  
Hit 1, AP, lower belt, no penetration  
Hit 2, AP, upper belt, penetration

12:06 14,474 2 Tosa 41cm/45  
Hit 1, AP, upper deck, no penetration, deck, no penetration  
Hit 2, AP, upper deck, penetration fit to burst, deck, no  
penetration

12:07 14,595 1 Tosa 41cm/45  
Hit 1, AP, middle belt, penetration

12:11 16,043 1 Tosa 41cm/45  
Hit 1, HE, upper deck, no penetration, deck, no penetration

12:12 16,204 1 Tosa 41cm/45  
Hit 1, AP, superstructure

Hits recieved by Tsessarevitch from primary batteries

Time	Range	Hits	From
11:17	13,221	2	Ise 36cm/45
			Hit 1, AP, funnel
			Hit 2, AP, aft belt, no penetration
11:18	12,847	2	Ise 36cm/45
			Hit 1, AP, lower belt, penetration
			Hit 2, AP, upper deck, no penetration, deck, no penetration
11:19	12,450	3	Ise 36cm/45
			Hit 1, AP, forward side, penetration fit to burst
			Hit 2, AP, upper belt, penetration fit to burst
			Hit 3, AP, upper deck, no penetration, deck, no penetration
11:20	11,992	2	Ise 36cm/45
			Hit 1, AP, upper deck, no penetration, deck, no penetration
			Hit 2, AP, primary face, no penetration
11:21	11,594	5	Ise 36cm/45
			Hit 1, AP, secondary roof, no penetration
			Hit 2, AP, upper belt, penetration fit to burst
			Hit 3, AP, lower belt, penetration fit to burst
			Hit 4, AP, upper deck, no penetration, deck, no penetration
			Hit 5, AP, secondary face, penetration, secondary gun
11:22	11,166	3	Ise 36cm/45
			Hit 1, AP, upper deck, no penetration, deck, no penetration
			Hit 2, AP, primary roof, no penetration
			Hit 3, AP, upper deck, spalling, deck, no penetration
11:23	10,824	7	Ise 36cm/45
			Hit 1, AP, upper belt, penetration fit to burst
			Hit 2, AP, secondary roof, no penetration
			Hit 3, AP, upper deck, no penetration, deck, no penetration
			Hit 4, AP, upper deck, no penetration, deck, no penetration
			Hit 5, AP, lower belt, no penetration
			Hit 6, AP, upper belt, penetration
			Hit 7, AP, middle belt, penetration fit to burst
11:24	10,745	1	Ise 36cm/45
			Hit 1, AP, forward side, penetration fit to burst
11:26	11,471	1	Ise 36cm/45
			Hit 1, AP, primary roof, no penetration
11:27	11,945	1	Ise 36cm/45
			Hit 1, AP, lower belt, penetration
11:32	15,064	1	Mutsu 41cm/45
			Hit 1, AP, lower belt, no penetration
11:33	15,199	1	Mutsu 41cm/45
			Hit 1, AP, primary roof, no penetration, X turret
11:34	15,306	1	Mutsu 41cm/45
			Hit 1, AP, middle belt, penetration
11:35	15,394	1	Mutsu 41cm/45
			Hit 1, AP, upper deck, penetration, deck, penetration

11:36 15,472 1 Mutsu 41cm/45  
Hit 1, AP, upper deck, no penetration, deck, no penetration

11:39 15,627 1 Mutsu 41cm/45  
Hit 1, AP, upper deck, penetration fit to burst, deck, no penetration

11:41 15,665 1 Mutsu 41cm/45  
Hit 1, AP, forward side, penetration fit to burst

11:42 15,675 2 Mutsu 41cm/45  
Hit 1, AP, upper belt, penetration fit to burst  
Hit 2, AP, upper deck, penetration fit to burst, deck, no penetration

11:43 15,693 2 Mutsu 41cm/45  
Hit 1, AP, upper deck, penetration fit to burst, deck, no penetration  
Hit 2, AP, lower belt, penetration fit to burst

11:44 15,720 2 Mutsu 41cm/45  
Hit 1, AP, upper deck, no penetration, deck, no penetration  
Hit 2, AP, upper deck, penetration fit to burst, deck, no penetration

11:48 14,412 1 Nagato 41cm/45  
Hit 1, AP, upper deck, spalling, deck, no penetration

12:23 14,378 1 Fuso 36cm/45  
Hit 1, HE, upper deck, no penetration, deck, no penetration

12:26 11,647 1 Fuso 36cm/45  
Hit 1, HE, primary face, no penetration

12:28 12,653 1 Tosa 41cm/45  
Hit 1, AP, middle belt, penetration fit to burst

12:29 8,920 1 Fuso 36cm/45  
Hit 1, HE, superstructure

12:31 7,921 1 Yamashiro 36cm/45  
Hit 1, HE, upper deck, no penetration, deck, no penetration

12:32 11,919 1 Tosa 41cm/45  
Hit 1, HE, aft belt, no penetration

12:32 7,523 1 Yamashiro 36cm/45  
Hit 1, HE, upper deck, no penetration, deck, no penetration

12:33 7,266 4 Yamashiro 36cm/45  
Hit 1, HE, middle belt, spalling  
Hit 2, HE, primary face, no penetration  
Hit 3, HE, lower belt, no penetration  
Hit 4, HE, forward side, penetration fit to burst

12:34 7,024 3 Yamashiro 36cm/45  
Hit 1, HE, upper deck, no penetration, deck, no penetration  
Hit 2, HE, funnel  
Hit 3, HE, forward side, penetration fit to burst

12:35 6,794 4 Yamashiro 36cm/45  
Hit 1, HE, middle belt, spalling  
Hit 2, HE, upper deck, no penetration, deck, no penetration  
Hit 3, HE, lower belt, no penetration

Hit 4, HE, upper deck, no penetration, deck, no penetration  
12:36 11,609 1 Tosa 41cm/45  
Hit 1, HE, middle belt, penetration fit to burst, machinery  
damaged  
12:36 6,587 5 Yamashiro 36cm/45  
Hit 1, HE, lower belt, no penetration  
Hit 2, HE, primary face, no penetration, Q turret  
Hit 3, HE, upper deck, no penetration, deck, no penetration  
Hit 4, HE, upper belt, spalling  
Hit 5, HE, middle belt, spalling  
12:37 6,497 7 Yamashiro 36cm/45  
Hit 1, HE, secondary face, penetration fit to burst  
Hit 2, HE, lower belt, no penetration  
Hit 3, HE, secondary face, no penetration, secondary gun  
Hit 4, HE, forward side, penetration  
Hit 5, HE, lower belt, no penetration  
Hit 6, HE, lower belt, no penetration  
Hit 7, HE, upper deck, no penetration, deck, no penetration



## Hits recieved by Suvorow from primary batteries

Time	Range	Hits	From
11:16	14,929	1	Yamashiro 36cm/45
			Hit 1, AP, upper deck, penetration fit to burst, deck, no penetration
11:18	13,372	3	Yamashiro 36cm/45
			Hit 1, AP, forward deck, no penetration
			Hit 2, AP, funnel
			Hit 3, AP, upper deck, no penetration, deck, no penetration
11:19	12,922	2	Yamashiro 36cm/45
			Hit 1, AP, upper deck, spalling, deck, no penetration
			Hit 2, AP, secondary roof, no penetration
11:20	12,486	3	Yamashiro 36cm/45
			Hit 1, AP, primary face, spalling, Q turret
			Hit 2, AP, upper belt, penetration
			Hit 3, AP, primary roof, no penetration
11:21	12,040	3	Yamashiro 36cm/45
			Hit 1, AP, middle belt, penetration fit to burst
			Hit 2, AP, upper belt, penetration
			Hit 3, AP, superstructure
11:22	11,645	2	Yamashiro 36cm/45
			Hit 1, AP, primary face, no penetration
			Hit 2, AP, upper deck, no penetration, deck, no penetration
11:23	11,265	1	Yamashiro 36cm/45
			Hit 1, AP, upper deck, no penetration, deck, no penetration
11:24	10,930	6	Yamashiro 36cm/45
			Hit 1, AP, upper deck, spalling, deck, no penetration
			Hit 2, AP, primary face, no penetration
			Hit 3, AP, superstructure
			Hit 4, AP, upper belt, penetration
			Hit 5, AP, forward deck, no penetration
			Hit 6, AP, upper deck, no penetration, deck, no penetration
11:25	10,692	2	Yamashiro 36cm/45
			Hit 1, AP, middle belt, penetration
			Hit 2, AP, aft side, penetration
11:26	10,824	1	Yamashiro 36cm/45
			Hit 1, AP, middle belt, penetration
11:29	12,876	1	Ise 36cm/45
			Hit 1, AP, primary roof, no penetration
11:30	13,196	2	Ise 36cm/45
			Hit 1, AP, lower belt, penetration fit to burst
			Hit 2, AP, middle belt, penetration
11:31	13,483	2	Ise 36cm/45
			Hit 1, AP, upper belt, penetration fit to burst
			Hit 2, AP, middle belt, penetration
11:32	13,667	4	Ise 36cm/45
			Hit 1, AP, aft side, penetration fit to burst

Hit 2, AP, middle belt, penetration  
Hit 3, AP, aft belt, no penetration  
Hit 4, AP, forward belt, no penetration  
11:34 14,047 1 Ise 36cm/45  
Hit 1, AP, primary barbette, no penetration  
11:35 14,241 1 Ise 36cm/45  
Hit 1, AP, funnel  
11:36 14,436 1 Ise 36cm/45  
Hit 1, AP, upper deck, penetration fit to burst, deck, no penetration  
11:37 14,497 2 Ise 36cm/45  
Hit 1, AP, middle belt, penetration fit to burst  
Hit 2, AP, aft deck, no penetration  
11:38 14,559 4 Ise 36cm/45  
Hit 1, AP, superstructure  
Hit 2, AP, lower belt, spalling  
Hit 3, AP, forward side, penetration  
Hit 4, AP, aft side, penetration fit to burst  
11:39 14,622 1 Ise 36cm/45  
Hit 1, AP, lower belt, penetration fit to burst  
11:40 14,687 3 Ise 36cm/45  
Hit 1, HE, upper belt, penetration  
Hit 2, HE, middle belt, spalling  
Hit 3, HE, superstructure  
11:41 14,734 2 Ise 36cm/45  
Hit 1, HE, secondary face, no penetration  
Hit 2, HE, upper belt, penetration fit to burst  
11:42 14,793 2 Ise 36cm/45  
Hit 1, HE, upper deck, no penetration, deck, no penetration  
Hit 2, HE, forward belt, no penetration  
11:43 14,859 1 Ise 36cm/45  
Hit 1, HE, lower belt, no penetration  
11:44 14,923 2 Ise 36cm/45  
Hit 1, HE, primary face, no penetration  
Hit 2, HE, upper deck, no penetration, deck, no penetration  
11:45 14,989 2 Ise 36cm/45  
Hit 1, HE, forward belt, no penetration  
Hit 2, HE, lower belt, no penetration  
11:57 14,276 1 Mutsu 41cm/45  
Hit 1, HE, forward side, penetration  
11:59 14,023 1 Mutsu 41cm/45  
Hit 1, HE, forward belt, no penetration  
12:01 13,837 2 Mutsu 41cm/45  
Hit 1, HE, upper deck, no penetration, deck, no penetration  
Hit 2, HE, forward side, penetration  
12:03 13,742 1 Mutsu 41cm/45  
Hit 1, HE, lower belt, no penetration  
12:06 14,384 1 Mutsu 41cm/45

Hit 1, HE, lower belt, no penetration

## Hits recieved by Borodino from primary batteries

Time	Range	Hits	From
11:18	14,700	1	Fuso 36cm/45
			Hit 1, AP, upper belt, penetration fit to burst
11:20	13,505	1	Fuso 36cm/45
			Hit 1, AP, upper deck, no penetration, deck, no penetration
11:21	13,001	2	Fuso 36cm/45
			Hit 1, AP, upper deck, no penetration, deck, no penetration
			Hit 2, AP, upper deck, spalling, deck, no penetration
11:22	12,530	6	Fuso 36cm/45
			Hit 1, AP, upper belt, penetration
			Hit 2, AP, upper deck, no penetration, deck, no penetration
			Hit 3, AP, upper belt, penetration
			Hit 4, AP, superstructure
			Hit 5, AP, upper deck, no penetration, deck, no penetration
			Hit 6, AP, upper deck, no penetration, deck, no penetration
11:23	12,172	3	Fuso 36cm/45
			Hit 1, AP, upper belt, penetration
			Hit 2, AP, secondary roof, no penetration
			Hit 3, AP, forward belt, penetration
11:25	11,083	3	Fuso 36cm/45
			Hit 1, AP, primary roof, no penetration
			Hit 2, AP, middle belt, penetration fit to burst
			Hit 3, AP, upper belt, penetration
11:26	10,748	3	Fuso 36cm/45
			Hit 1, AP, upper deck, no penetration, deck, no penetration
			Hit 2, AP, secondary roof, no penetration
			Hit 3, AP, upper deck, spalling, deck, no penetration
11:27	10,561	1	Fuso 36cm/45
			Hit 1, AP, upper belt, penetration fit to burst
11:28	11,636	1	Yamashiro 36cm/45
			Hit 1, AP, secondary roof, no penetration
11:28	11,184	3	Fuso 36cm/45
			Hit 1, AP, upper deck, no penetration, deck, no penetration
			Hit 2, AP, upper belt, penetration fit to burst
			Hit 3, AP, upper belt, penetration fit to burst
11:31	12,732	1	Yamashiro 36cm/45
			Hit 1, AP, upper belt, penetration
11:31	12,394	5	Fuso 36cm/45
			Hit 1, AP, primary face, no penetration
			Hit 2, AP, primary roof, no penetration
			Hit 3, AP, upper belt, penetration
			Hit 4, AP, upper deck, no penetration, deck, no penetration
			Hit 5, AP, primary face, no penetration
11:32	13,064	3	Yamashiro 36cm/45
			Hit 1, AP, upper belt, penetration
			Hit 2, AP, secondary roof, no penetration

Hit 3, AP, forward side, penetration fit to burst  
 11:32 12,726 7 Fuso 36cm/45  
 Hit 1, AP, secondary roof, spalling, secondary gun  
 Hit 2, AP, middle belt, no penetration  
 Hit 3, AP, primary barbette, no penetration  
 Hit 4, AP, upper belt, penetration fit to burst  
 Hit 5, AP, secondary roof, no penetration  
 Hit 6, AP, upper deck, no penetration, deck, no penetration  
 Hit 7, AP, forward side, penetration  
 11:33 13,291 4 Yamashiro 36cm/45  
 Hit 1, AP, lower belt, spalling  
 Hit 2, AP, upper deck, no penetration, deck, no penetration  
 Hit 3, AP, primary roof, no penetration  
 Hit 4, AP, upper deck, spalling, deck, no penetration  
 11:33 13,085 1 Fuso 36cm/45  
 Hit 1, AP, upper belt, penetration  
 11:34 13,724 4 Yamashiro 36cm/45  
 Hit 1, AP, middle belt, no penetration  
 Hit 2, AP, upper deck, no penetration, deck, no penetration  
 Hit 3, AP, funnel  
 Hit 4, AP, primary barbette, no penetration  
 11:34 13,528 3 Fuso 36cm/45  
 Hit 1, AP, aft belt, no penetration  
 Hit 2, AP, upper belt, penetration  
 Hit 3, AP, secondary face, no penetration  
 11:35 14,158 1 Yamashiro 36cm/45  
 Hit 1, AP, upper belt, penetration fit to burst  
 11:35 13,961 2 Fuso 36cm/45  
 Hit 1, AP, upper deck, no penetration, deck, no penetration  
 Hit 2, AP, upper deck, spalling, deck, no penetration  
 11:36 14,581 3 Yamashiro 36cm/45  
 Hit 1, AP, upper deck, penetration fit to burst, deck, no  
 penetration  
 Hit 2, AP, primary barbette, no penetration  
 Hit 3, AP, upper belt, no penetration  
 11:37 14,801 1 Fuso 36cm/45  
 Hit 1, AP, primary barbette, penetration, P turret  
 11:38 14,938 2 Yamashiro 36cm/45  
 Hit 1, AP, superstructure  
 Hit 2, AP, upper deck, penetration, deck, no penetration  
 11:38 14,869 3 Fuso 36cm/45  
 Hit 1, AP, upper deck, penetration fit to burst, deck, no  
 penetration  
 Hit 2, AP, upper deck, spalling, deck, no penetration  
 Hit 3, AP, forward deck, penetration

## Hits recieved by Navarin from primary batteries

Time	Range	Hits	From
11:51	17,507	1	Ise 36cm/45
			Hit 1, HE, upper deck, no penetration, deck, no penetration
11:54	18,242	1	Ise 36cm/45
			Hit 1, HE, forward belt, no penetration
11:57	18,385	1	Ise 36cm/45
			Hit 1, HE, secondary face, no penetration
12:04	18,356	2	Ise 36cm/45
			Hit 1, HE, lower belt, no penetration
			Hit 2, HE, primary roof, no penetration
12:13	17,548	1	Ise 36cm/45
			Hit 1, HE, upper belt, no penetration
12:15	17,612	1	Ise 36cm/45
			Hit 1, HE, upper deck, no penetration, deck, no penetration
12:19	17,700	1	Ise 36cm/45
			Hit 1, HE, funnel
12:26	14,859	1	Ise 36cm/45
			Hit 1, HE, upper deck, no penetration, deck, no penetration
12:28	14,016	1	Ise 36cm/45
			Hit 1, HE, upper deck, no penetration, deck, no penetration
12:32	7,319	3	Fuso 36cm/45
			Hit 1, HE, forward deck, no penetration
			Hit 2, HE, forward belt, no penetration
			Hit 3, HE, secondary roof, no penetration
12:33	6,991	2	Fuso 36cm/45
			Hit 1, HE, aft side, penetration fit to burst
			Hit 2, HE, upper deck, no penetration, deck, no penetration
12:34	6,796	2	Fuso 36cm/45
			Hit 1, HE, upper deck, no penetration, deck, no penetration
			Hit 2, HE, primary face, no penetration
12:35	6,487	2	Fuso 36cm/45
			Hit 1, HE, lower belt, no penetration
			Hit 2, HE, middle belt, no penetration
12:36	6,203	1	Fuso 36cm/45
			Hit 1, HE, aft deck, no penetration
12:37	6,066	1	Fuso 36cm/45
			Hit 1, HE, forward deck, no penetration
12:38	6,013	3	Fuso 36cm/45
			Hit 1, HE, upper deck, no penetration, deck, no penetration
			Hit 2, HE, forward side, penetration fit to burst
			Hit 3, HE, forward deck, no penetration
12:40	6,065	2	Fuso 36cm/45
			Hit 1, HE, middle belt, no penetration
			Hit 2, HE, forward deck, no penetration
12:42	8,981	2	Ise 36cm/45
			Hit 1, HE, primary face, no penetration, X turret

Hit 2, HE, upper belt, no penetration  
12:43 8,671 1 Ise 36cm/45  
Hit 1, HE, upper deck, no penetration, deck, no penetration  
12:44 8,388 2 Ise 36cm/45  
Hit 1, HE, upper belt, no penetration  
Hit 2, HE, upper belt, no penetration  
12:45 8,133 2 Ise 36cm/45  
Hit 1, HE, primary barbette, no penetration  
Hit 2, HE, forward side, penetration

## Hits recieved by Ismail from primary batteries

Time	Range	Hits	From
12:04	18,395	1	Yamashiro 36cm/45
			Hit 1, HE, upper deck, no penetration, deck, no penetration
12:09	18,018	1	Yamashiro 36cm/45
			Hit 1, HE, upper belt, no penetration
12:14	17,492	1	Yamashiro 36cm/45
			Hit 1, HE, upper deck, no penetration, deck, no penetration
12:20	17,650	1	Yamashiro 36cm/45
			Hit 1, HE, middle belt, no penetration
12:38	7,700	1	Yamashiro 36cm/45
			Hit 1, HE, secondary face, no penetration
12:42	7,912	1	Yamashiro 36cm/45
			Hit 1, HE, primary face, no penetration, Q turret
12:42	6,861	2	Fuso 36cm/45
			Hit 1, HE, upper belt, no penetration
			Hit 2, HE, upper deck, no penetration, deck, no penetration
12:43	6,818	2	Fuso 36cm/45
			Hit 1, HE, primary face, no penetration, P turret
			Hit 2, HE, middle belt, no penetration
12:44	6,756	1	Fuso 36cm/45
			Hit 1, HE, primary barbette, no penetration



Hits recieved by Kinburn from primary batteries

Time	Range	Hits	From
11:52	16,946	1	Fuso 36cm/45
			Hit 1, HE, upper deck, no penetration, deck, no penetration
11:53	17,238	1	Fuso 36cm/45
			Hit 1, HE, primary barbette, no penetration
11:58	18,517	1	Fuso 36cm/45
			Hit 1, HE, aft deck, no penetration
11:59	18,493	3	Fuso 36cm/45
			Hit 1, HE, primary roof, no penetration
			Hit 2, HE, lower belt, no penetration
			Hit 3, HE, upper deck, no penetration, deck, no penetration

## Combined Fleet

Hits recieved by Kaga from primary batteries

Time	Range	Hits	From
11:08	18,742	1	Borodino 356mm/52
			Hit 1, AP, forward deck, no penetration
11:09	16,521	1	Slava 406mm/45
			Hit 1, AP, upper belt, penetration fit to burst
11:09	18,076	1	Borodino 356mm/52
			Hit 1, AP, middle belt, no penetration
11:10	15,983	1	Tsessarevitch 406mm/45
			Hit 1, AP, primary face, no penetration
11:11	14,340	1	Orel 406mm/45
			Hit 1, AP, upper belt, penetration
11:11	15,406	2	Tsessarevitch 406mm/45
			Hit 1, AP, primary face, penetration, B turret
			Hit 2, AP, primary roof, no penetration
11:12	13,802	1	Orel 406mm/45
			Hit 1, AP, lower belt, no penetration
11:12	14,854	1	Tsessarevitch 406mm/45
			Hit 1, AP, primary face, penetration
11:12	15,814	1	Suvorow 406mm/45
			Hit 1, AP, upper deck, no penetration, deck, no penetration
11:13	14,253	2	Tsessarevitch 406mm/45
			Hit 1, AP, secondary roof, penetration, secondary gun
			Hit 2, AP, upper belt, penetration fit to burst
11:13	15,239	1	Suvorow 406mm/45
			Hit 1, AP, secondary face, penetration fit to burst, secondary gun
11:18	12,236	2	Orel 406mm/45
			Hit 1, AP, lower belt, no penetration
			Hit 2, AP, primary roof, no penetration
11:19	12,468	1	Orel 406mm/45
			Hit 1, AP, primary face, no penetration
11:22	13,358	1	Orel 406mm/45
			Hit 1, AP, forward side, penetration fit to burst
11:26	16,478	1	Kinburn 356mm/52
			Hit 1, AP, lower belt, no penetration
11:27	16,591	1	Kinburn 356mm/52
			Hit 1, AP, middle belt, spalling
11:29	16,799	2	Kinburn 356mm/52
			Hit 1, AP, primary roof, no penetration
			Hit 2, AP, secondary face, penetration, secondary gun
11:30	15,492	1	Orel 406mm/45
			Hit 1, AP, secondary face, penetration dud/low order
11:31	17,265	1	Kinburn 356mm/52
			Hit 1, AP, upper deck, no penetration, deck, no penetration
11:32	15,761	2	Orel 406mm/45

Hit 1, AP, upper belt, penetration fit to burst  
 Hit 2, AP, aft side, penetration  
 11:32 17,300 2 Kinburn 356mm/52  
 Hit 1, AP, upper deck, no penetration, deck, no penetration  
 Hit 2, AP, upper deck, penetration, deck, no penetration  
 11:34 17,026 1 Ismail 356mm/52  
 Hit 1, AP, aft belt, penetration  
 11:35 17,027 1 Ismail 356mm/52  
 Hit 1, AP, upper deck, no penetration, deck, no penetration  
 11:36 15,835 1 Orel 406mm/45  
 Hit 1, AP, secondary face, penetration fit to burst, secondary  
 gun  
 11:36 17,496 2 Kinburn 356mm/52  
 Hit 1, AP, upper deck, no penetration, deck, no penetration  
 Hit 2, AP, upper deck, no penetration, deck, no penetration  
 11:37 15,826 1 Orel 406mm/45  
 Hit 1, AP, forward side, penetration fit to burst  
 11:37 17,405 1 Ismail 356mm/52  
 Hit 1, AP, upper belt, penetration fit to burst  
 11:38 17,959 1 Kinburn 356mm/52  
 Hit 1, AP, aft side, penetration fit to burst  
 11:39 18,132 1 Kinburn 356mm/52  
 Hit 1, AP, forward belt, penetration  
 11:41 15,831 2 Orel 406mm/45  
 Hit 1, AP, upper deck, no penetration, deck, no penetration  
 Hit 2, AP, middle belt, no penetration  
 11:46 14,887 1 Orel 406mm/45  
 Hit 1, AP, secondary face, penetration, secondary gun  
 11:49 14,506 1 Orel 406mm/45  
 Hit 1, AP, middle belt, no penetration  
 11:50 14,375 1 Orel 406mm/45  
 Hit 1, AP, middle belt, penetration fit to burst  
 11:56 13,783 1 Orel 406mm/45  
 Hit 1, AP, upper deck, no penetration, deck, no penetration  
 11:56 14,407 1 Tsessarevitch 406mm/45  
 Hit 1, AP, lower belt, no penetration  
 11:58 13,599 1 Orel 406mm/45  
 Hit 1, AP, aft belt, penetration fit to burst  
 11:59 13,507 1 Orel 406mm/45  
 Hit 1, AP, middle belt, no penetration  
 11:59 13,925 1 Tsessarevitch 406mm/45  
 Hit 1, AP, secondary face, penetration, secondary gun  
 12:02 13,920 1 Tsessarevitch 406mm/45  
 Hit 1, AP, secondary face, penetration fit to burst, secondary  
 gun  
 12:05 14,893 1 Orel 406mm/45  
 Hit 1, AP, funnel  
 12:13 13,256 1 Tsessarevitch 406mm/45

Hit 1, AP, forward belt, penetration fit to burst

## Hits recieved by Tosa from primary batteries

Time	Range	Hits	From
11:12	14,524	1	Slava 406mm/45
			Hit 1, AP, lower belt, penetration fit to burst
11:14	13,407	1	Slava 406mm/45
			Hit 1, AP, primary barbette, no penetration
11:15	12,861	1	Slava 406mm/45
			Hit 1, AP, upper deck, no penetration, deck, no penetration
11:16	12,400	1	Slava 406mm/45
			Hit 1, AP, lower belt, penetration fit to burst
11:18	12,566	1	Tsessarevitch 406mm/45
			Hit 1, AP, secondary face, penetration fit to burst, secondary gun
11:20	12,237	1	Slava 406mm/45
			Hit 1, AP, primary face, no penetration
11:20	12,579	1	Tsessarevitch 406mm/45
			Hit 1, AP, upper deck, no penetration, deck, no penetration
11:21	12,358	1	Slava 406mm/45
			Hit 1, AP, secondary face, penetration dud/low order
11:22	12,540	1	Slava 406mm/45
			Hit 1, AP, funnel
11:24	13,009	1	Slava 406mm/45
			Hit 1, AP, upper deck, penetration, deck, no penetration
11:25	13,384	1	Tsessarevitch 406mm/45
			Hit 1, AP, upper deck, no penetration, deck, no penetration
11:30	14,743	1	Slava 406mm/45
			Hit 1, AP, primary roof, no penetration, A turret
11:30	14,850	1	Tsessarevitch 406mm/45
			Hit 1, AP, lower belt, spalling
11:33	15,733	1	Slava 406mm/45
			Hit 1, AP, aft belt, penetration
11:33	15,834	1	Tsessarevitch 406mm/45
			Hit 1, AP, secondary face, penetration fit to burst, secondary gun
11:34	15,853	1	Tsessarevitch 406mm/45
			Hit 1, AP, upper deck, no penetration, deck, no penetration
11:35	15,772	1	Slava 406mm/45
			Hit 1, AP, secondary face, penetration, secondary gun
11:35	15,863	1	Tsessarevitch 406mm/45
			Hit 1, AP, upper belt, penetration
11:36	15,796	1	Slava 406mm/45
			Hit 1, AP, upper deck, no penetration, deck, no penetration
11:37	15,817	4	Slava 406mm/45
			Hit 1, AP, upper belt, penetration fit to burst
			Hit 2, AP, superstructure
			Hit 3, AP, lower belt, no penetration
			Hit 4, AP, primary roof, spalling, A turret

11:37 15,900 2 Tsessarevitch 406mm/45  
Hit 1, AP, upper belt, penetration fit to burst  
Hit 2, AP, upper deck, no penetration, deck, no penetration

11:38 15,925 1 Tsessarevitch 406mm/45  
Hit 1, AP, aft side, penetration fit to burst

11:39 15,944 1 Tsessarevitch 406mm/45  
Hit 1, AP, upper belt, penetration

11:40 15,950 2 Tsessarevitch 406mm/45  
Hit 1, AP, primary barbette, no penetration  
Hit 2, AP, middle belt, no penetration

11:42 15,956 1 Tsessarevitch 406mm/45  
Hit 1, AP, upper deck, spalling, deck, no penetration

11:43 15,962 1 Tsessarevitch 406mm/45  
Hit 1, AP, aft side, penetration

11:43 17,218 1 Navarin 356mm/52  
Hit 1, AP, primary roof, no penetration

11:44 17,291 1 Navarin 356mm/52  
Hit 1, AP, middle belt, no penetration

11:45 15,785 2 Tsessarevitch 406mm/45  
Hit 1, AP, upper deck, no penetration, deck, no penetration  
Hit 2, AP, upper deck, no penetration, deck, no penetration

11:50 12,960 1 Slava 406mm/45  
Hit 1, AP, middle belt, no penetration

12:27 12,859 1 Tsessarevitch 406mm/45  
Hit 1, HE, upper deck, no penetration, deck, no penetration

12:35 11,847 1 Navarin 356mm/52  
Hit 1, HE, lower belt, no penetration

12:37 11,468 1 Navarin 356mm/52  
Hit 1, HE, upper deck, no penetration, deck, no penetration

12:38 12,029 2 Kinburn 356mm/52  
Hit 1, AP, upper deck, penetration, deck, no penetration  
Hit 2, AP, secondary face, penetration, secondary gun

12:41 11,402 5 Kinburn 356mm/52  
Hit 1, AP, superstructure  
Hit 2, AP, funnel  
Hit 3, AP, upper belt, penetration fit to burst  
Hit 4, AP, forward deck, spalling  
Hit 5, AP, middle belt, penetration fit to burst

12:45 10,434 1 Ismail 356mm/52  
Hit 1, AP, upper deck, penetration, deck, no penetration

Hits recieved by Nagato from primary batteries

Time	Range	Hits	From
11:12	16,280	1	Borodino 356mm/52
			Hit 1, AP, secondary face, penetration, secondary gun
11:13	15,752	2	Borodino 356mm/52
			Hit 1, AP, upper deck, no penetration, deck, no penetration
			Hit 2, AP, upper deck, penetration dud/low order, deck, no penetration
11:15	14,169	1	Suvorow 406mm/45
			Hit 1, AP, lower belt, penetration fit to burst
11:15	14,746	1	Borodino 356mm/52
			Hit 1, AP, superstructure
11:16	13,593	1	Suvorow 406mm/45
			Hit 1, AP, secondary face, penetration, secondary gun
11:16	14,027	2	Borodino 356mm/52
			Hit 1, AP, upper deck, no penetration, deck, no penetration
			Hit 2, AP, lower belt, penetration fit to burst, engines damaged
11:17	13,021	1	Suvorow 406mm/45
			Hit 1, AP, upper deck, penetration fit to burst, deck, no penetration
11:17	13,547	2	Borodino 356mm/52
			Hit 1, AP, primary face, no penetration
			Hit 2, AP, primary roof, no penetration, X turret
11:18	12,530	1	Suvorow 406mm/45
			Hit 1, AP, middle belt, penetration
11:18	13,071	4	Borodino 356mm/52
			Hit 1, AP, secondary face, penetration fit to burst, secondary gun
			Hit 2, AP, upper deck, no penetration, deck, no penetration
			Hit 3, AP, upper deck, spalling, deck, no penetration
			Hit 4, AP, lower belt, penetration fit to burst
11:19	12,063	1	Suvorow 406mm/45
			Hit 1, AP, upper belt, penetration
11:19	12,593	2	Borodino 356mm/52
			Hit 1, AP, upper deck, no penetration, deck, no penetration
			Hit 2, AP, upper deck, no penetration, deck, no penetration
11:22	13,090	1	Borodino 356mm/52
			Hit 1, AP, upper deck, spalling, deck, no penetration
11:24	13,011	1	Suvorow 406mm/45
			Hit 1, AP, secondary face, penetration, secondary gun
11:25	13,547	3	Borodino 356mm/52
			Hit 1, AP, upper belt, penetration
			Hit 2, AP, upper belt, penetration fit to burst
			Hit 3, AP, secondary roof, penetration, secondary gun
11:26	13,721	3	Borodino 356mm/52
			Hit 1, AP, secondary roof, penetration fit to burst, secondary gun

Hit 2, AP, upper deck, no penetration, deck, no penetration  
 Hit 3, AP, forward side, penetration fit to burst  
 11:27 14,033 2 Borodino 356mm/52  
 Hit 1, AP, primary roof, no penetration  
 Hit 2, AP, funnel  
 11:29 14,517 1 Suvorow 406mm/45  
 Hit 1, AP, upper deck, no penetration, deck, no penetration  
 11:37 15,858 1 Suvorow 406mm/45  
 Hit 1, AP, superstructure  
 11:39 15,913 1 Suvorow 406mm/45  
 Hit 1, AP, upper deck, spalling, deck, no penetration  
 11:41 17,138 1 Ismail 356mm/52  
 Hit 1, AP, lower belt, penetration  
 11:42 17,240 2 Ismail 356mm/52  
 Hit 1, AP, primary roof, spalling, Y turret  
 Hit 2, AP, upper deck, penetration fit to burst, deck, no  
 penetration  
 11:43 17,395 4 Ismail 356mm/52  
 Hit 1, AP, upper deck, no penetration, deck, no penetration  
 Hit 2, AP, upper deck, penetration fit to burst, deck, no  
 penetration  
 Hit 3, AP, upper deck, no penetration, deck, no penetration  
 Hit 4, AP, aft belt, no penetration  
 11:52 12,871 1 Tsessarevitch 406mm/45  
 Hit 1, AP, superstructure  
 11:53 12,800 4 Tsessarevitch 406mm/45  
 Hit 1, AP, lower belt, spalling  
 Hit 2, AP, secondary face, penetration, secondary gun  
 Hit 3, AP, middle belt, penetration fit to burst  
 Hit 4, AP, lower belt, no penetration



## Hits recieved by Mutsu from primary batteries

Time	Range	Hits	From
11:13	17,083	1	Navarin 356mm/52
			Hit 1, AP, secondary face, penetration, secondary gun
11:14	16,447	1	Navarin 356mm/52
			Hit 1, AP, upper deck, penetration fit to burst, deck, no penetration
11:15	15,837	5	Navarin 356mm/52
			Hit 1, AP, upper deck, penetration, deck, no penetration
			Hit 2, AP, primary roof, no penetration
			Hit 3, AP, forward belt, penetration dud/low order
			Hit 4, AP, upper deck, penetration fit to burst, deck, no penetration
			Hit 5, AP, aft side, penetration fit to burst
11:16	15,222	3	Navarin 356mm/52
			Hit 1, AP, upper belt, penetration
			Hit 2, AP, primary roof, no penetration
			Hit 3, AP, primary barbette, no penetration
11:17	14,627	1	Navarin 356mm/52
			Hit 1, AP, primary roof, no penetration
11:18	14,290	2	Navarin 356mm/52
			Hit 1, AP, secondary face, penetration
			Hit 2, AP, lower belt, no penetration
11:22	14,057	1	Navarin 356mm/52
			Hit 1, AP, upper deck, penetration fit to burst, deck, no penetration
11:25	14,333	1	Navarin 356mm/52
			Hit 1, AP, primary face, no penetration
11:28	14,723	2	Navarin 356mm/52
			Hit 1, AP, aft belt, penetration
			Hit 2, AP, aft side, penetration
11:29	14,950	3	Navarin 356mm/52
			Hit 1, AP, middle belt, no penetration
			Hit 2, AP, secondary roof, penetration fit to burst, secondary gun
			Hit 3, AP, upper deck, no penetration, deck, no penetration
11:32	15,547	1	Navarin 356mm/52
			Hit 1, AP, middle belt, spalling
11:33	15,657	1	Navarin 356mm/52
			Hit 1, AP, lower belt, no penetration
11:37	16,485	1	Navarin 356mm/52
			Hit 1, AP, upper deck, penetration fit to burst, deck, no penetration
11:39	16,794	2	Navarin 356mm/52
			Hit 1, AP, upper deck, no penetration, deck, no penetration
			Hit 2, AP, upper deck, penetration fit to burst, deck, no penetration

11:51 15,338 1 Suvorow 406mm/45  
 Hit 1, AP, upper deck, spalling, deck, no penetration  
 12:02 13,771 1 Suvorow 406mm/45  
 Hit 1, AP, primary roof, no penetration  
 12:06 14,638 1 Tsessarevitch 406mm/45  
 Hit 1, AP, upper belt, penetration  
 12:06 14,384 1 Suvorow 406mm/45  
 Hit 1, AP, primary barbette, no penetration, X turret  
 12:12 18,965 1 Suvorow 406mm/45  
 Hit 1, AP, upper deck, penetration fit to burst, deck, no penetration  
 12:15 16,928 2 Kinburn 356mm/52  
 Hit 1, AP, aft deck, penetration fit to burst  
 Hit 2, AP, upper belt, penetration  
 12:16 15,121 1 Tsessarevitch 406mm/45  
 Hit 1, AP, upper deck, penetration fit to burst, deck, no penetration  
 12:17 15,311 1 Tsessarevitch 406mm/45  
 Hit 1, HE, primary roof, no penetration  
 12:18 15,528 1 Tsessarevitch 406mm/45  
 Hit 1, HE, upper deck, no penetration, deck, no penetration  
 12:19 15,545 1 Tsessarevitch 406mm/45  
 Hit 1, HE, primary roof, no penetration  
 12:20 15,525 2 Tsessarevitch 406mm/45  
 Hit 1, HE, upper deck, no penetration, deck, no penetration  
 Hit 2, HE, lower belt, no penetration  
 12:22 16,438 3 Kinburn 356mm/52  
 Hit 1, AP, upper deck, no penetration, deck, no penetration  
 Hit 2, AP, upper deck, spalling, deck, no penetration  
 Hit 3, AP, upper deck, penetration fit to burst, deck, no penetration  
 12:23 13,778 1 Tsessarevitch 406mm/45  
 Hit 1, HE, upper deck, no penetration, deck, no penetration  
 12:23 16,020 3 Kinburn 356mm/52  
 Hit 1, AP, secondary roof, penetration fit to burst, secondary gun  
 Hit 2, AP, upper deck, penetration fit to burst, deck, no penetration  
 Hit 3, AP, secondary roof, spalling, secondary gun  
 12:26 12,963 2 Navarin 356mm/52  
 Hit 1, HE, upper belt, penetration  
 Hit 2, HE, upper deck, no penetration, deck, no penetration

## Hits recieved by Hyuga from primary batteries

Time	Range	Hits	From
11:16	15,461	1	Ismail 356mm/52
			Hit 1, AP, lower belt, no penetration
11:19	13,730	1	Ismail 356mm/52
			Hit 1, AP, upper belt, penetration fit to burst
11:20	13,247	1	Ismail 356mm/52
			Hit 1, AP, primary face, no penetration
11:24	12,554	3	Ismail 356mm/52
			Hit 1, AP, superstructure
			Hit 2, AP, upper deck, no penetration, deck, no penetration
			Hit 3, AP, primary roof, penetration, X turret
11:25	12,676	2	Ismail 356mm/52
			Hit 1, AP, upper deck, no penetration, deck, no penetration
			Hit 2, AP, superstructure
11:27	13,149	1	Ismail 356mm/52
			Hit 1, AP, forward belt, penetration
11:28	13,394	2	Ismail 356mm/52
			Hit 1, AP, aft side, penetration
			Hit 2, AP, primary face, no penetration
11:30	14,205	1	Ismail 356mm/52
			Hit 1, AP, secondary roof, penetration, secondary magazine explodes

## Hits recieved by Ise from primary batteries

Time	Range	Hits	From
11:48	16,654	1	Navarin 356mm/52
			Hit 1, AP, upper deck, penetration fit to burst, deck, no penetration
11:51	17,507	1	Navarin 356mm/52
			Hit 1, AP, primary barbette, no penetration
12:18	18,253	1	Ismail 356mm/52
			Hit 1, AP, superstructure
12:38	11,328	1	Ismail 356mm/52
			Hit 1, HE, primary barbette, no penetration
12:40	10,524	1	Ismail 356mm/52
			Hit 1, HE, aft side, penetration

Hits recieved by Yamashiro from primary batteries

Time	Range	Hits	From
11:50	16,869	1	Ismail 356mm/52
	Hit 1, AP, funnel		
12:32	9,100	1	Ismail 356mm/52
	Hit 1, HE, upper deck, no penetration, deck, no penetration		

## Hits recieved by Fuso from primary batteries

Time	Range	Hits	From
11:50	16,345	1	Kinburn 356mm/52
			Hit 1, AP, upper deck, spalling, deck, no penetration
11:52	16,946	2	Kinburn 356mm/52
			Hit 1, AP, primary barbette, no penetration
			Hit 2, AP, upper belt, penetration fit to burst
11:55	17,853	1	Kinburn 356mm/52
			Hit 1, AP, lower belt, no penetration
12:33	6,280	1	Tsessarevitch 406mm/45
			Hit 1, HE, primary barbette, penetration, A turret
12:34	6,168	1	Tsessarevitch 406mm/45
			Hit 1, HE, aft side, penetration