

EMPRESS AUGUSTA BAY

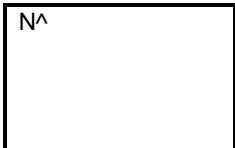
0025 2 November 1943

Background: The invasion of Bougainville marked the end of the Allies' long climb up the Solomons chain towards Rabaul. After this landing, the Japanese base would be left to wither on the vine. The Japanese response to this last invasion was the same as the response to the first, at Guadalcanal fifteen months before. A scratch force was thrown down the Slot to attack the American invasion fleet. This time, however, the Japanese faced an opponent that had learned its lessons on the slow push west.

Forces:

United States Navy Rear Admiral A. Stanton Merrill	Division 1:	Montpelier Cleveland Columbia Denver	(Cleveland - flag) (Cleveland) (Cleveland) (Cleveland)	
	Division 2:	Ausburne Dyson Stanly Claxton	(Fletcher - flag) (Fletcher) (Fletcher) (Fletcher)	
	Division 3:	Spence Thatcher Converse Foote	(Fletcher - flag) (Fletcher) (Fletcher) (Fletcher)	
	Nihon Kaigun Rear Admiral Omori Sentaro	Division 1:	Sendai Shigure Samidare Shiratsuyu	(Sendai - flag) (Shiratsuyu) (Shiratsuyu) (Shiratsuyu)
		Division 2:	Myoko Haguro	(Myoko - flag) (Myoko)
		Division 3:	Agano Naganami Hatsukaze Wakatsuki	(Agano - flag) (Yugumo) (Kagero) (Akitsuki)

Set-up:



The Japanese enter from the northwest corner in three parallel columns, all on a course of 120 degrees. Division 2 enters at the corner, Division 1 10 inches to the east, Division 3 4 inches to the south.

The Americans also begin in three parallel columns, all on a course of 300 degrees. Division 1 is 22 inches from the north edge and 46 inches from the west edge, Division 2 inches away and 4 inches ahead to the east and Division 3 2 inches away and 4 inches behind to the west.

Victory Conditions: Victory is determined by points. Score 1 point for each destroyer sunk, 2 points for each Japanese light cruiser sunk and 3 points for each American or Japanese heavy cruiser sunk. Score 2 points for each cruiser torpedoed but not sunk. Score 1 point for each Japanese light cruiser and 2 for each Japanese heavy cruiser with functioning main gun armament and at least capable of half speed exited off the east edge.

Special Rules:

1. All American ships have SG search radar, Mk 12 or Mk 8 fire control radar, and CICs. The Americans are forewarned of the Japanese approach, and may maneuver freely from turn 1.
2. The Japanese are aided by a floatplane. In each turn's spotting phase, the Japanese player rolls 2D6. If a "4" is rolled, one randomly selected American ship is illuminated by starshell.
2. Visibility is **0** inches (gunfire visibility factor of **-7**) -- calm and partly cloudy with no moon.
3. The American friendly edge is the east edge. The Japanese player may treat either the east or the west edges as friendly.

Outcome: The Americans poured radar-controlled gunfire into Omori's columns, smothering Sendai and causing Shigure and Samidare to collide. Hatsukaze was caught and sunk after colliding with Myoko. The Japanese succeeded only in putting a torpedo into Foote's stern before retiring.

Cleveland

<u>Navy Class</u>	United States Navy Heavy cruiser		<u>Date</u>	1943			
<u>Surface Armament</u>			<u>Ranges</u>			<u>Directors</u>	
Main Battery:	6 inch guns in 4 triple turrets		24 inches			Fore and aft	
Secondary Battery:	5 inch guns in 6 twin mounts		18 inches			Fore and aft	
<u>Gun:</u>	5"	10"	15"	20"	24"	Power	Relia
6 inch triple	A/14	8/12	3/10	2/8	1/5	6	A
5 inch twin	A/13	8/9	2/5	1/1		4	A
<u>Speed</u>	4.00"	8 boilers	4 engines	<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±2	24": ±3
<u>Flotation</u>	Total: 68	DIW: 34	Sinking: 46				

Armament Arrangement



Notes

- Class of 28 included Cleveland, Columbia, Montpelier and Denver.
- Based on Brooklyn class, with better protection, more anti-aircraft weapons and one less main battery turret.

Hits

Fuel Oil	11-15	Void
Main Magazine A	16-22	Main A
Main Magazine B	23-25	Main B
Forward Secondary Magazine	26	Secondary A
Plot/CIC	31	Forward Secondary Director, AAMGs (3-4), Bridge
Boiler Room 1	32	Secondary 1 or 2, Bridge
Boiler Room 1	33	Forward Main Director, AAMGs, Bridge
Boiler Room 2	34	AAMGs
Engine Room 1	35	Searchlight 1 or 2, Funnel
Engine Room 1	36-41	AAMGs
Boiler Room 3	42	Searchlight 3 or 4, Funnel
Boiler Room 3	43	Secondary 3 or 4
Boiler Room 4	44	AAMGs, Aft Primary Director
Engine Room 2	45	Aft Secondary Director
Engine Room 2	46	Secondary X
Main Magazine X	51-53	Main X
Main Magazine Y	54-56	Main Y
Propshaft 1 or 2, Fuel Oil 2	61-62	Catapult 1 or 2, Hanger 1
Propshaft 3 or 4 Fuel Oil 3	63-64	Catapult 1 or 2, Hanger 2
Steering	65	Hanger 2
Void	66	Void

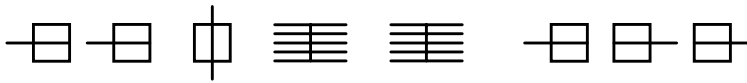
Internal Diagram

FO1 2FP	FM A 2FP	FM B 2FP	FM SEC 2FP	PLT 1FP	BR1 B1 B2 7FP	BR2 B3 B4 7FP	ER1 E1 E2 11FP	BR3 B5 B6 7FP	BR4 B7 B8 7FP	ER2 E3 E4 11FP	AM X 2FP	AM Y 2FP	FO2 2FP	FO3 2FP	ST 1FP	V 0FP
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Fletcher

<u>Navy Class</u>	United States Navy Destroyer	<u>Date</u>	1942	<u>Armor</u>	None		
<u>Surface Armament</u>		<u>Ranges</u>		<u>Directors</u>			
Main Battery:	5 inch guns in 5 single mounts	18 inches		Fore			
Torpedoes:	21 inch torpedoes in 2 quintuple mount	6 inches at 5.50"		Port and starboard			
Maximum Value:	9	10 inches at 3.25"					
<u>Gun:</u>	5"	10"	15"	18"	Power	Relia	
5 inch single	A/11	8/7	2/3	1/-1	4	A	
<u>Speed</u>	4.50	4 boilers	2 engines	<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±3	24": ±5
<u>Flotation</u>	Total: 30	DIW: 15	Sinking: 20				

Armament Arrangement



Notes

- Most numerous class of USN fleet destroyers, with 175 ships in the class.
- Most early units built with twin 40mm mounts on the after pilothouse and the fantail. Some of the earliest (*viz* Fletcher) had one 1.1 inch mount on the pilothouse instead.

Hits

	Fuel Oil 1	11-14	Void
Forward Main Magazine	Fuel Oil 2	15-21	Main A
	Fuel Oil 3	22-24	Main B
	Fuel Oil 3	25	Bridge, AAMGs
	Fuel Oil 3	26	Bridge, Main Director
Boiler Room 1		31	Search Radar
Boiler Room 1		32-33	Funnel
Engine Room 1		34-36	Torpedo A
Boiler Room 2		41	Searchlight 1 or 2, Funnel
Boiler Room 2		42-43	Torpedo B
Boiler Room 2		44	AAMGs, Torpedo B
Engine Room 2		45	AAMGs, Main M
Engine Room 2		46	Main M
Engine Room 2		51	Main M
Aft Main Magazine		52	AAMGs
Aft Main Magazine		53-55	Main X
	Fuel Oil 4	56-62	Main Y
Void, Propshaft 1 or 2		63-64	Void
	Steering	65-66	Steering [,AAMGs]

Internal Diagram

FO1	PM	FO2	FO3	BR1	ER1	BR2	ER2	PM	FO4	V	ST
1FP	A&B	FO	FO	B1	E1	B3	E2	MX	3FP	1FP	1FP
	1FP	2FP	2FP	B2	4FP	B4	4FP	Y			
				5FP		5FP		1FP			

Agano

Navy Imperial Japanese Navy Date 1942
Class Light cruiser

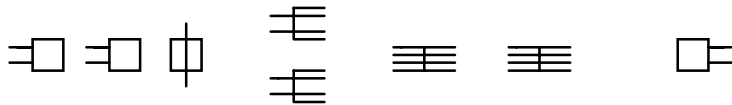
<u>Surface Armament</u>		<u>Ranges</u>	<u>Directors</u>
Main Battery:	6.1 inch guns in 3 twin turrets	26 inches	Fore
Torpedoes:	24 inch torpedoes in 2 quadruple mounts	22 inches at 6.00"	Aft
Maximum Value:	9	35 inches at 5.00"	
		44 inches at 4.50"	

<u>Gun:</u>	5"	10"	15"	20"	25"	26"	Power	Relia
6.1 inch twin	A/12	8/10	3/8	2/6	1/3	1/-2	5	B

<u>Speed</u>	4.25"	6 boilers	4 engines	<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±2	24": ±4
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<u>Flotation</u>	Total: 66	DIW: 33	Sinking: 44
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Armament Arrangement



Notes

- Class included Agano, Noshiro, Sakawa and Yahagi.
- AA guns cannot engage surface targets. They count as AAMGs.

HLts

	Fuel Oil 1	11-15	Void
	Main Magazine A	16-21	Main A
	Main Magazine B	22-23	Main B
	Fuel Oil 2	24-26	AAMGs
	Fuel Oil 3	31	Bridge, Torpedo Director
	Fuel Oil 3, Plotting Room	32	Forward Main Director, Bridge
	Boiler Room 1	33	Secondary 1 or 2, Bridge
	Boiler Room 1	34	Searchlight 1 or 2, Secondary Director 1 or 2
	Boiler Room 1	35	Funnel
	Boiler Room 2 or 3	36	AAMGs
	Boiler Room 2 or 3	41-42	Torpedo A
	Boiler Room 4 or 5	43-44	Aircraft
	Boiler Room 4 or 5	45	Catapult
	Engine Room 1 or 2	46	Torpedo B
	Engine Room 1 or 2	51	Aircraft, Catapult
	Engine Room 3	52	Aircraft, Catapult
	Engine Room 3	53	AAMGs
	Engine Room 3	54	AAMGs
	Main Magazine Y	55-56	Main Y
	Fuel Oil 4	61	Void
	Fuel Oil 4	62	AAMGs
	Fuel Oil 5, Propshaft 1 or 2	63	Void
	Fuel Oil 5, Propshaft 3 or 4	64	Void
	Steering	65	Steering
	Void	66	Void

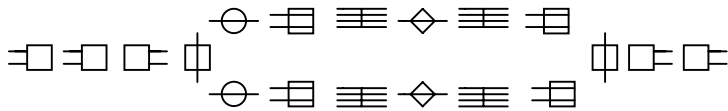
Internal Diagram

FO1	FM	FM	FO2	FO3	BR1	BR3	BR5	ER1	ER3	AM	FO4	FO5	ST	V
1FP	A	B	2FP	2FP	B1	4FP	4FP	6FP	E3,4	Y	2FP	2FP	1VP	1VP
	2FP	2FP			B2	BR2	BR3	ER2	11	Y				
					9FP	4FP	4FP	6FP	FP	2FP				

Myoko

<u>Navy Class</u>	Imperial Japanese Navy Heavy cruiser	<u>Date</u>	1940, as reconstructed		
<u>Surface Armament</u>		<u>Ranges</u>	<u>Directors</u>		
Main Battery:	8 inch guns in 5 twin turrets	32 inches	Fore and aft		
Secondary Battery:	5 inch guns in 4 twin mounts	15 inches	Port and starboard		
Torpedoes:	24 inch torpedoes in 4 quadruple mounts	22 inches at 6.00"	Port and starboard		
	8 reloads	35 inches at 5.00"			
Maximum Value:	9	44 inches at 4.50"			
<u>Gun:</u>	5" 10" 15" 20" 25" 30" 35"	<u>Power</u>	<u>Relia</u>		
8 inch twin	A/10 8/9 6/7 4/5 3/0 2/0 1/0	6	B		
5 inch twin	A/12 8/8 2/4 1/0	4	B		
<u>Speed</u>	4.25"	12 boilers	4 engines	<u>Torpedo Hits</u>	17.7"-18": ±1 20.5"-22.5": ±2 24": ±3
<u>Flotation</u>	Total: 66	DIW: 33	Sinking: 44	<u>Bulge</u>	-1 to torpedo hits in way of locations 21-54

Armament Arrangement



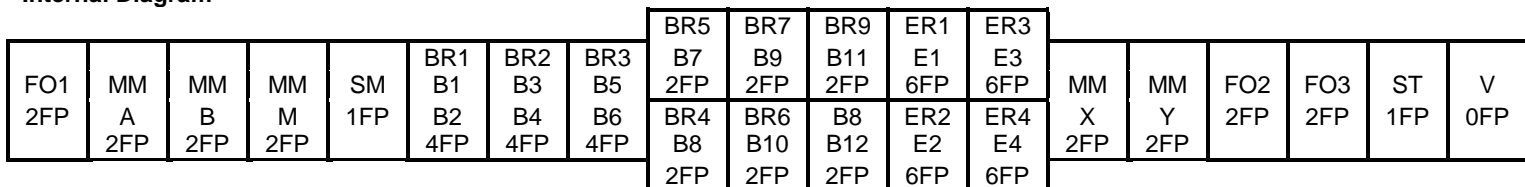
Notes

- Class included Myoko, Nachi, Haguro and Ashigara.

Hits

Fuel Oil 1	11-15	Officers Berths
Main Magazine A	16-21	Main A
Main Magazine B	22-23	Main B
Main Magazine M	24-25	Main M
Secondary Magazine	26	Bridge
Boiler Room 1	31	Bridge, Port or Starboard Secondary Director, AAMGs,
Boiler Room 2	32	Forward Main Director, Funnel, Bridge
Boiler Room 3	33	Secondary 1 or 2, Searchlight 1 or 2, Torpedo Director
Boiler Room 4 or 5	34	Funnel
Boiler Room 6 or 7	35	AAMGs
Boiler Room 6 or 7	36	Searchlight 3 or 4
Boiler Room 8 or 9	41	Secondary 3 or 4, Funnel
Boiler Room 8 or 9	42	AAMGs
Engine Room 1 or 2	43	Torpedo 1 or 2, Aft Main Director
Engine Room 1 or 2	44	Port or Starboard Catapult Aircraft
Engine Room 1 or 2	45	Port or Starboard Catapult, Aircraft
Engine Room 3 or 4	46	Torpedo 3 or 4
Engine Room 3 or 4	51	Aircraft
Main Magazine X	52-53	Main X
Main Magazine Y	54-55	Main Y
Fuel Oil 2	56-62	Crew Berths
Fuel Oil 3, Propshaft 1 or 2	63	Crew Berths
Fuel Oil 3, Propshaft 3 or 4	64	Crew Berths
Steering	65	Steering
Aft Void	66	Aft Void

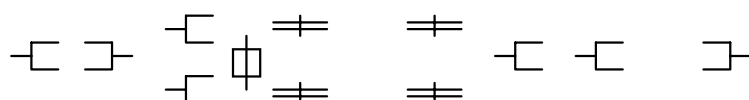
Internal Diagram



Sendai

<u>Navy Class</u>	Imperial Japanese Navy Light cruiser	<u>Date</u>	1942, as modified		
<u>Surface Armament</u>		<u>Ranges</u>	<u>Directors</u>		
Main Battery:	5.5 inch guns in 7 single mounts	20 inches	Fore		
Torpedoes:	24 inch torpedoes in 4 twin mounts	22 inches at 6.00" 35 inches at 5.00" 44 inches at 4.50"	Port and starboard		
<u>Gun:</u>	5" 10" 15" 20"	<u>Power</u>	<u>Relia</u>		
5.5 inch single	A/10 8/8 3/5 2/3	5	B		
<u>Speed</u>	4.00" 10 boilers 4 engines	<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±2	24": ±4
<u>Flotation</u>	Total: 55 DIW: 28 Sinking: 36				

Armament Arrangement



Notes

- Sendai class included Sendai, Jintsu and Naka.
- In June 1943, Sendai traded her M2 gun for AAMGs.
- In April 1943, Naka traded her M2 gun for AAMGs and a twin 5" mount. 5 inch twin: A/12, 8/8, 2/4, range 15 inches, power 4, reliability B.
- Naka and Jintsu had 2 quadruple torpedo mounts aft and none forward.

Hits

	Void 1	11-12	Void
	Forward Magazine	13-14	Main A
	Forward Magazine	15-16	Main M1
	Plot	21	AAMGs
	Fuel Oil 1	22	Bridge
	Fuel Oil 1	23	Bridge, Main Director, Main 1 or 2
	Fuel Oil 1	24	Main 1 or 2, Searchlight 1 or 2
	Boiler Room 1	25	Void
	Boiler Room 2	26	Funnel
	Boiler Room 3	31-32	Torpedo 1 or 2
	Boiler Room 3	33	Funnel, AAMGs
	Boiler Room 3	34	AAMGs
	Boiler Room 3	35-36	Funnel
	Boiler Room 4	41	Torpedo Director
	Boiler Room 4	42	Funnel
	Boiler Room 4	43	Torpedo 3 or 4
	Engine Room 1	44	Torpedo 3 or 4
	Engine Room 1	45	Main M2
	Engine Room 2	46	Main M2
	Engine Room 2	51	Searchlight 3
	Aft Main Magazine	52-53	Main M3
	Aft Main Magazine	54-55	Aircraft, Catapult
	Void 2	56-61	Aircraft, Catapult
	Void 2	62	Main X
	Void 2, Propshaft 1 or 2	63	Main X
	Void 2, Propshaft 3 or 4	64	Void
	Steering	65	Steering
	Void	66	Void

Internal Diagram

V1	FM	PL	FO1	BR1	BR2	BR3	BR4	ER1	ER2	AM	V2	ST	V3
2FP	4FP	1FP	4FP	B1	B2	B3,4	B8,9	E1,2	E1,2	4FP	2FP	1FP	1FP
				2FP	2FP	5,6	9,10	8FP	8FP				
						8FP	8FP						

Akitsuki

<u>Navy Class</u>	Imperial Japanese Navy Antiaircraft Destroyer	<u>Date</u>	1942
<u>Surface Armament</u>		<u>Ranges</u>	<u>Directors</u>
Main Battery:	3.9 inch guns in 4 twin mounts	20 inches	Fore and aft
Torpedoes:	24 inch torpedoes in 1 quadruple mounts 4 reloads	22 inches at 6.00" 35 inches at 5.00"	Aft
Maximum Value:	9	44 inches at 4.50"	
<u>Gun:</u>	5" 10" 15" 20"	Power	Relia
3.9 inch twin	A/13 8/8 2/4 1/-1	3	B
<u>Speed</u>	4.25" 3 boilers 2 engines	<u>Torpedo Hits</u>	17.7"-18": ±1 20.5"-22.5": ±3 24": ±5
<u>Flotation</u>	Total: 27 DIW: 14 Sinking: 18		

Armament Arrangement



Notes

- Purpose-designed as antiaircraft destroyers to escort fast carriers, but frequently used as flagships.
- Twelve in class.

Hits

Fuel Oil 1	11-14	Void
Forward Main Magazine	15-21	Main A
Forward Main Magazine	22-24	Main B
Fuel Oil 2	25	Void
Boiler Room 1	26	Bridge
Boiler Room 1	31	Forward Main Director, Bridge
Boiler Room 1	32	Funnel
Boiler Room 2	33-41	Funnel
Boiler Room 2		AAMGs
Boiler Room 2	42	Torpedo Director
Engine Room 1	43-45	Torpedo A
Engine Room 2	46	Searchlight, Torpedo Reload
Engine Room 2	51	Torpedo Reload
Engine Room 2	52	Aft Main Director
Aft Main Magazine	53-55	Main X
Aft Main Magazine	56-62	Main Y
Propshaft 1 or 2, Fuel Oil 3	63-64	Aft Void
Steering	65-66	Steering

Internal Diagram

FO1 1FP	FM A&B 2FP	FO2 2FP	BR1 B1 3FP	BR2 B2&B3 6FP	ER1 E1 4FP	ER2 E2 4FP	AM X&Y 2FP	FO3 2FP	ST 1FP
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Asashio/Kagero/Yugumo

<u>Navy Class</u>	Imperial Japanese Navy Destroyer	<u>Date</u>	1942	<u>Armor</u>	None		
<u>Surface Armament</u>		<u>Ranges</u>		<u>Directors</u>			
Main Battery:	5 inch guns in 3 twin mounts	18 inches		Fore			
Torpedoes:	24 inch torpedoes in 2 quadruple mounts	22 inches at 6.00"		Aft			
Maximum Value:	8 reloads	35 inches at 5.00"					
	9	44 inches at 4.50"					
<u>Gun:</u>	5"	10"	15"	18"	Power	Relia	
5 inch twin	A/12	8/8	2/5	1/1	4	B	
<u>Speed</u>	4.50	3 boilers	2 engines	<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±3	24": ±5
<u>Flotation</u>	Total: 28	DIW: 14	Sinking: 18				

Armament Arrangement



Notes

- All three classes were similar in game terms.
- Ten Asashios, 18 Kageros and 20 Yugumos were built.
- Use cruiser turn radius for Asashio class.

Hits

Fuel Oil 1	11-13	Void
Forward Main Magazine	14-21	Main A
Fuel Oil 2	22	Void
Fuel Oil 2	23-24	Bridge
Boiler Boom 1	25	Main Director, Bridge
Boiler Boom 1	26	Void
Boiler Boom 1	31	Reload A
Boiler Room 2	32	Reolad A
Boiler Boom 2	33	Funnel
Boiler Boom 2	34	Torpedo A
Boiler Boom 3	35	Torpedo A
Boiler Boom 3	36	AAMGs
Boiler Boom 3	41	Funnel
Engine Room	42	Searchlight
Engine Room	43-44	Torpedo B
Engine Room	45	Torpedo Director
Engine Room	46	Reload B
Void	51	Reload B
Aft Main Magazine	52-54	Main X
Aft Main Magazine	55-61	Main Y
Propshaft 1 or 2, Fuel Oil 3	62-64	Aft Void
Steering	65-66	Steering

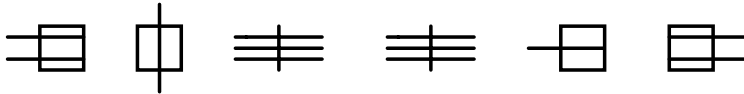
Internal Diagram

FO1 1FP	PM A 1FP	FO2 FO 4FP	BR1 B1 3FP	BR2 B2 3FP	BR3 B3 3FP	ER E1,E2 6FP	V 2FP	PM Y 2FP	FO3 2FP	ST 1FP
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Hatsuharu/Shiratsuyu

<u>Navy Class</u>	Imperial Japanese Navy Destroyer				<u>Date</u>	1940	
				<u>Armor</u>	None		
<u>Surface Armament</u>					<u>Ranges</u>	<u>Directors</u>	
Main Battery:	5 inch guns in 2 twin mounts and 1 single mount				18 inches	Fore	
Torpedoes:	24 inch torpedoes in 2 triple mounts 6 reloads				22 inches at 6.00" 35 inches at 5.00"	Aft	
Maximum Value:	9				44 inches at 4.50"		
<u>Gun:</u>	5"	10"	15"	18"	Power	Relia	
5 inch twin	A/12	8/8	2/5	1/1	4	B	
5 inch single	A/10	8/6	2/3	1/-1	4	B	
<u>Speed</u>	4.25	3 boilers	2 engines	<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±3	24": ±5
<u>Flotation</u>	Total: 28	DIW: 14	Sinking: 18				

Armament Arrangement



Notes

- Successor classes to the Fubukis and Akatsukis, extensively modified after the original design proved to be unstable.
- Shiratsuyus were similar, with quadruple torpedo mounts vice the triples, and 8 reloads rather than 6.

Hits

Fuel Oil 1	11-13	Forward Void
Forward Main Magazine	14-21	Main A
Fuel Oil 2	22	Void
Fuel Oil 2	23-24	Bridge
Boiler Room 1	25	Bridge, Main Director
Boiler Room 1	26-31	Void
Boiler Room 1	32	Funnel
Boiler Room 1	33-34	Torpedo A
Boiler Room 2	35	Torpedo A
Boiler Room 2	36	AAMGs, Torpedo Reload A
Boiler Room 2	41	Funnel, Torpedo Reload A
Engine Room 1	42	Searchlight
Engine Room 1	43-44	Torpedo B
Engine Room 2	45	Torpedo B
Engine Room 2	46	Torpedo Director
Engine Room 2	51-52	Torpedo Reload B
Aft Main Magazine	53-54	Main M
Aft Main Magazine	55-61	Main Y
Propshaft 1 or 2, Fuel Oil 3	62-64	Void
Steering	65-66	Steering

Internal Diagram

FO1 1FP	PM A 1FP	FO2 FO 3FP	BR1 B1 B2 6FP	BR2 B3 3FP	ER2 E1 4FP	ER2 E2 4FP	PM MY 2FP	FO3 2FP	ST 1FP
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