#### SAVO ISLAND

#### 2345 9 August 1942

Background: On 7 August 1942, the Allies seized the initiative in the Pacific by landing on Guadalcanal Island. Their objective was a partially built airfield begun by the Japanese on the island's north coast. The first Japanese response was a series of air attacks on the invasion force, and the second was a surface strike by all available forces at the Japanese base at Rabaul. These came boiling down the "Slot" -- the passage down the Solomon Islands from Rabaul to Guadalcanal -- on the evening of 9 August. The Allied surface escort forces, exhausted after three straight days of hard combat, patrolled between the onrushing Japanese and the vulnerable transports of the invasion force.

#### Forces:

RAN and USN: (Rear Admiral V. A. C. Crutchley, RN)

North Force: Wilson (Benham) Helm (Bagley)

Vincennes (New Orleans - flag)
Astoria (New Orleans)
Quincy (New Orleans)

South Force: Bagley (Bagley)

Patterson (Bagley)
Canberra (Canberra - flag)
Chicago (Northampton)

Pickets Blue (Bagley)

R. Talbot (Bagley)

IJN: (Vice Admiral Mikawa Gunichi)

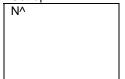
Division 1: Chokai (Takao - flag)

Aoba (Aoba)
Kinugasa (Aoba)
Furutaka (Furutaka)
Kako (Furutaka)

Division 2: Tenryu (Tenryu - flag)

Yubari (Yubari) Yunagi (Kamikaze)

#### Set-up:



The playing surface is bounded by the coast of Guadalcanal on the south. The coast begins 60 inches from the north edge. It runs from the east edge west for 20 inches, then northwest at a 45 degree angle for 40 inches, then southwest for 20 inches, then due south. Savo Island is a 4 inch circle centered 25 inches from the north edge and 30 inches from the east edge. For playing surfaces less than 60 inches wide, include only that portion of Guadalcanal that would project onto the southern part of the playing surface.

The American friendly edge is the east edge. The Japanese friendly edge is the west edge.

The Northern Force is patrolling around a box in a clockwise direction, steaming on courses of 30, 120, 210 and 300 degrees successively. Each leg of the box is 10 inches long. The eastern corner of the box is 2 inches from the west edge and 24 inches from the north edge. The ships are steaming at 1.50 inches/turn, with the cruisers in line and a destroyer immediately ahead and 1 inch to each side of the lead cruiser. The Wilson is on the right side of the formation and the Helm is on the left. The destroyers are assumed to speed or slow as necessary to keep their stations as the formation turns.

The Southern Force is steaming on a patrol line with its northeastern terminus 19 inches from the east edge and 40 inches from the north edge. The line is 9 inches long, with the courses followed being 120 and 300 degrees. The ships are steaming at 1.50 inches/turn, with the cruisers in line and a destroyer immediately ahead and 3 inches to each side of the lead cruiser. The Bagley is on the south side of the formation and the Patterson is on the north. When the formation reaches the end of its patrol line, each destroyer and the cruiser line turn right 180 degrees and steams on the opposite course. The destroyers will turn first, so as to maintain their position in front of the cruisers.

The two picket destroyers are also steaming on patrol lines. The Ralph Talbot's line is 12 inches long. Its east end is 17 inches from the east edge and 4 inches from the north edge. The courses followed are 60 and 240 degrees. The Blue's patrol line is also 12 inches long. Its eastern end is 43 inches from the east edge and 21 inches from the north edge. Its courses are 30 and 210 degrees. Both picket destroyers are steaming at 1.50 inches/turn.

For ease of play, the Allied player should mark out the courses and turning points for these ships. None of these ships are subject to independent movement unless they deviate from their assigned courses and are not otherwise in a normal formation. The Allied player can start each ship or formation at any desired point in its patrol route.

The Japanese divisions are steaming in order in line. Chokai begins 54 inches from the east edge and 15 inches from the north edge. The line is on a course of 150 degrees.

Victory Conditions: Victory is decided on points:

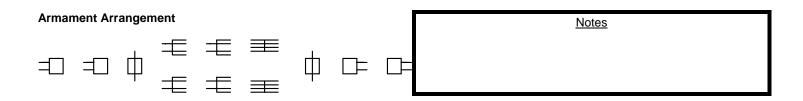
- a) 2 per cruiser sunk;
- b) 1 per Japanese cruiser left dead in the water;
- c) 1 per destroyer sunk;
- d) 1 per Japanese cruiser exited off the east edge, returned on the east edge 4 turns later and exited off the west edge.

#### Special Rules.

- 1. The Japanese may move freely from the first turn of the scenario.
- 2. The Japanese are alert.
- 3. The Blue and R. Talbot have SC radar and Mk 4 fire control radar.
- 4. Because their crews have been in combat continuously for three days, the Allied ships are subject to a -2 sighting modifier.
- 5. Neither the Northern and Southern Forces may maneuver outside of their patrol lines, illuminate or fire weapons until (a) the force is fired on by the Japanese or (b) Japanese have fired guns in a previous turn and the force rolls a 1 on a six-sided die in the movement plotting phase.
- 6. The picket destroyers are subject to independent movement if they leave their patrol lines.
- 7. The visual sighting base is rerolled at the start of each turn on **1D6** and the visibility state is **-5** for the Japanese and **-10** for the Allies -- an overcast night with scattered rain squalls, and the Allied crews exhausted from continuous combat.
- 8. Optional: On a 2D6 roll of **2** the Australia (Australia class) steams in from the east edge on a course of 270 degrees, 50 inches from the north edge.

Outcome: The Japanese swept into Ironbottom Sound engaging first the south force, then the north force. The Allies were defeated in detail, losing Canberra, Quincy, Vincennes and Astoria. Although the Japanese had suffered negligible damage, its disorganization and the coming dawn persuaded Mikawa to retire without closing on the Allied transports.

#### **Australia** Royal Australian Navy Date 1942 Navy Class Heavy cruiser Surface Armament <u>Ranges</u> **Directors** 8 inch guns in 4 twin turrets 4 inch guns in 4 twin mounts 21 inch torpedoes in 2 quadruple mounts Main Battery: 29 inches Fore and aft 16 inches Secondary Battery: Aft Torpedoes: 13 inches at 4.25" Port and starboard 2 special hits 16 inches at 2.75" 8 boilers 4.00" 4 engines Speed Sinking: 44 **Flotation** Total: 66 DIW: 33 <u>Torpedo Hits</u> 17.7"-18": ±1 20.5"-22.5": ±2 24": ±3



Hits

	Officers Berths	11-12	Void	
	Fuel Oil 1	13-14	Void	
	Main Magazine A	15-21	Main A	
	Main Magazine B	22-24	Main B	
	Transmitting	25	Bridge	
	Fuel Oil 2	26	Bridge, Forward Main Director	
	Boiler Room 1	31	Bridge	
	Boiler Room 1	32	Search Radar, AAMGs	
	Boiler Room 1	33	Funnel, Secondary 1 or 2	
	Boiler Room 2	34	Torpedo 1 or 2	
	Boiler Room 2	35	Funnel, Torpedo 1 or 2	
	Boiler Room 2	36	Funnel, Secondary 3 or 4	
	Secondary Magazine	41	Funnel	
	Engine Room 1	42-43	Catapult, Aircraft	
	Engine Room 1	44	Aircraft	
	Engine Room 2	45	Secondary Director	
	Engine Room 2	46	Searchlight A or B	
	Engine Room 2	51	Aft Main Director	
Ų	Engine Room 2	52	Void	
	Main Magazine X	53-55	Main X	
	Main Magazine Y		Main Y	Ė
	Fuel Oil 3, Propshaft 1 or 2	63-64	Void	
	Steering, Propshaft 3 or 4	65	Steering	

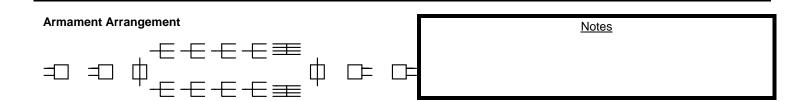
Void

66

Void

						BR1		BR2		SM	ER1	ER2					
V1	FO1	PM	PM	TR	FO2	B1	B3	B5	B7	2FP	E1	E3	PM	PM	FO3	ST	V2
1FP	2FP	Α	В	2FP	2FP	B2	B4	B6	B8		E2	E4	Χ	Υ	2FP	1FP	0FP
		2FP	2FP			13FP		13FP			10FP	10FP	2FP	2FP			1

#### Canberra Royal Australian Navy Date 1942 Navy Class Heavy cruiser **Directors** Surface Armament <u>Ranges</u> 8 inch guns in 4 twin turrets 4 inch guns in 8 single mounts 29 inches Fore and aft Main Battery: Secondary Battery: 16 inches Torpedoes: 21 inch torpedoes in 2 quadruple mounts 13 inches at 4.25" Port and starboard 2 special hits 16 inches at 2.75" 8 boilers 4.00" 4 engines Speed **Flotation** Total: 66 DIW: 33 Sinking: 44 <u>Torpedo Hits</u> 17.7"-18": ±1



20.5"-22.5": ±2

24": ±3

Hits

	Officers Berths	11-12	Void	
_	Fuel Oil 1	13-14	Void	
	Main Magazine A	15-21	Main A	
į	Main Magazine B	22-24	Main B	
•	Transmitting	25	Bridge	
:	Fuel Oil 2	26	Bridge, Forward Main Director	
į	Boiler Room 1	31	Bridge	
	Boiler Room 1	32	Search Radar, AAMGs	
į	Boiler Room 1	33	Funnel, Secondary 1 or 2	
	Boiler Room 2	34	Torpedo 1 or 2, Secondary 3 or 4	
	Boiler Room 2	35	Funnel, Torpedo 1 or 2	
•	Boiler Room 2	36	Funnel, Secondary 5 or 6	
	Secondary Magazine	41	Funnel, Secondary 7 or 8	
•	Engine Room 1	42-43	Catapult, Aircraft	
:	Engine Room 1	44	Aircraft	
!	Engine Room 2	45	Secondary Director	
	Engine Room 2	46	Searchlight A or B	
	Engine Room 2	51	Aft Main Director	
	Engine Room 2	52	Void	
	Main Magazine X	53-55	Main X	
	Main Magazine Y	56-62	Main Y	
	Fuel Oil 3, Propshaft 1 or 2	63-64	Void	
	Steering, Propshaft 3 or 4	65	Steering	

Void

66

Void

		V1 1FP	FO1 2FP	PM A 2FP	PM B 2FP	TR 2FP	FO2 2FP	BR1 B1 B2 13FP	B3 B4	BR2 B5 B6 13FP	B7 B8	SM 2FP	ER1 E1 E2 10FP	ER2 E3 E4 10FP	PM X 2FP	PM Y 2FP	FO3 2FP	ST 1FP	V2 0FP
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### **New Orleans**

Navy United States Navy

<u>Class</u> Heavy cruiser

<u>Date</u> 1942

**Surface Armament** 

Main Battery: 8 inch guns in 3 triple turrets
Secondary Battery: 5 inch guns in 8 single mounts

RangesDirectors32 inchesFore and aft14 inchesFore and aft

<u>Speed</u> 4.00"

4.00"

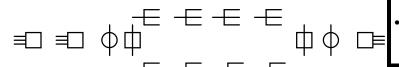
8 boilers 4 engines

Flotation Total: 67

DIW: 34 Sinking: 44

<u>Torpedo Hits</u> 17.7"-18": ±1 20.5"-22.5": ±2 24": ±3

#### **Armament Arrangement**



11-14

#### <u>Notes</u>

Class included New Orleans, Astoria, Minneapolis, Tuscaloosa, San Fransisco, Quincy and Vincinnes.

#### Hits

**Aviation Gas** Void 15 Main Magazine A 16-22 Main A Main Magazine B 23-25 Main B Plot/CIC Secondary 1 or 2, AAMGs, Bridge 26 Boiler Room 1 Forward Secondary Director, AAMGs, Bridge 31 Boiler Room 1 32 Forward Main Director, AAMGs, Bridge Boiler Room 2 33 Secondary 3 or 4 Funnel Boiler Room 2 34 Boiler Room 3 35 Secondary 5 or 6, Searchlight 1 or 2 Boiler Room 3 36 Funnel, Searchlight 3 or 4 Secondary 7 or 8 Boiler Room 4 41 Aircraft, Catapult 1 or 2 Boiler Room 4 42 Aircraft, Catapult 1 or 2 Engine Room 1 43-45 Engine Room 2 46 Aircraft, Catapult 1 or 2 Engine Room 2 51-52 Hanger, AAMGs Fuel Oil 2 Aft Primary Director, AAMGs 53 Main Magazine X Aft Secondary Director, AAMGs 54 Main Magazine X 55-56 Main X Propshaft 1 or 2, Fuel Oil 3 61 Main X

Void

Propshaft 3 or 4, Fuel Oil 3 62 Void
Fuel Oil 3 63-64 Void
Steering 65 Steering
Void 66 Void

Fuel Oil 1

					BR1	BR2	BR3	BR4	ER1	ER2					
FO1	AG	AM	BM	PLT	B1	В3	B5	В7	E1	E3	FO2	YM	FO3	ST	V
2FP	1FP	3FP	3FP	2FP	B2	B4	B6	B8	E2	E4	2FP	3FP	2FP	1FP	0FP
					7FP	7FP	7FP	7FP	10FP	10FP					

# **Northampton**

**United States Navy** Navy

Class Heavy cruiser

1942 <u>Date</u>

Surface Armament

Main Battery: 8 inch guns in 3 triple turrets Secondary Battery: 5 inch guns in 8 single mounts Ranges Directors 32 inches Fore and aft 14 inches Fore and aft

4.00" **Speed** 

8 boilers

4 engines

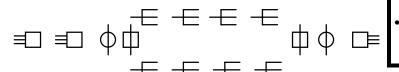
**Flotation** 

Total: 61 DIW: 31

Sinking: 40

Torpedo Hits 17.7"-18": ±1 20.5"-22.5": ±2 24": ±3

#### **Armament Arrangement**



#### **Notes**

Class of 6 included Northampton, Houston and Chicago.

Hits

Fuel Oil 11-13 Void **Aviation Fuel** 14 Void Fuel Oil 15 Void

Main Magazine A 16-22 Main A Main Magazine B 23-25 Main B

Plot/CIC 26 Secondary Director, Bridge

Boiler Room 1 31 Forward Main Director, AAMGs, Bridge

Boiler Room 1 32 Bridge Boiler Room 1 Funnel 33-34

Engine Room 1 35-41 Aircraft, Catapult 1 or 2 42 AAMGs, Hanger Engine Room 1

Boiler Room 2 43-44 AAMGs, Funnel Boiler Room 2 45 Secondary 1 or 2 Boiler Room 2 46 Secondary 3 or 4 Engine Room 2 Secondary 5 or 6 51 Engine Room 2 52 Secondary 7 or 8

Engine Room 2 53 Void

Aft Secondary Director, AAMGs, Searchlight 1 or 2 Engine Room 2 54 Main Magazine X 55 Aft Main Director, AAMGs, Searchlight 3 or 4

Main Magazine X 56-61 Main X Main X Fuel Oil 3, Propshaft 1 or 2 62

Fuel Oil 3, Propshaft 3 or 4 Void 63 Steering Steering 64-65

Void Void 66

						BR1	ER1	BR2	ER2				
FO1	AG	FO2	AM	BM	PLT	B1	E1	В3	E3	YM	FO3	ST	V
2FP	1FP	1FP	3FP	3FP	2FP	B2	E2	B4	E4	2FP	2FP	1FP	0FP
						12FP	10FP	12FP	10FP				

# **Bagley/Gridley**

Date

Armor

1942

None

Navy United States Navy
Class Destroyer

Surface ArmamentRangesDirectorsMain Battery:5 inch guns in 4 single mounts18 inchesFore

Torpedoes: 21 inch torpedoes in 4 quadruple mounts 6 inches at 5.50" Port and starboard

2 special hits 10 inches at 3.25"

Speed 4.50 4 boilers 2 engines

Flotation Total: 27 DIW: 14 Sinking: 18

Torpedo Hits 17.7"-18": ±1 20.5"-22.5": ±3 24": ±5

#### **Armament Arrangement**

Notes

Twelve ships in both classes.

#### Hits

Fuel Oil 1 11-14 Forward Void

Fuel Oil 1 15 Main A Forward Main Magazine 16-21 Main A

Forward Main Magazine 22-23 Main B Fuel Oil 2 24 Main B

Fuel Oil 2 25 AAMGs, Bridge Fuel Oil 2 26 Main Director, Bridge

Fuel Oil 2 31 Bridge Boiler Room 1 32 Void

Boiler Room 1 33 Search Radar

Boiler Room 1 34 Funnel Boiler Room 2 35-36 Funnel Boiler Room 2 41 AAMGs

Engine Room 42-44 Torpedo 1 or 2 Engine Room 45-51 Torpedo 3 or 4 Aft Main Magazine 52 Searchlight Aft Main Magazine 53 AAMGs Aft Main Magazine 54-55 Main X

Fuel Oil 3 56 Main X

Fuel Oil 3, Propshaft 1 or 2 61-63 Main Y Void, Propshaft 1 or 2 64 Void

Steering 65-66 Steering

FO1	FM	FO2	BR1	BR2	ER	AM	FO3	ST
1FP	A&B	3FP	B1	B3	E1	X&Y	1FP	1FP
	1FP		B2	B4	E2	1FP		
			5FP	5FP	9FP			

**Benham** 

United States Navy Navy

Class Destroyer

4.50

1942, as refit Date Armor None

Surface Armament Main Battery:

**Speed** 

5 inch guns in 4 single mounts

21 inch torpedoes in 2 quadruple mounts Torpedoes:

2 special hits

Ranges **Directors** 18 inches Fore

6 inches at 5.50"

10 inches at 3.25"

Port and starboard

4 boilers 2 engines

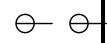
**Flotation** Total: 28 DIW: 14 Sinking: 18

Fuel Oil 1

Torpedo Hits 17.7"-18": ±1 24": ±5 20.5"-22.5": ±3

#### **Armament Arrangement**





Forward Void

**Notes** 

10 ships in class.

Shown with the after 2 torpedo mounts removed in favor of added AAMGs. All except Benham and Ellet were modified in this way.

#### Hits

Fuel Oil 1	15	Main A
Forward Main Magazine	16-21	Main A
Forward Main Magazine	22-23	Main B
Fuel Oil 2	24	Main B
Fuel Oil 2	25	AAMGs, Bridge
Fuel Oil 2	26	Main Director, Bridge
Boiler Room 1	31	Bridge
Boiler Room 1	32	Void
Boiler Room 1	33	Search Radar
Boiler Room 1	34	Funnel
Boiler Room 2	35-36	Funnel
Boiler Room 2	41	AAMGs

11-14

Engine Room 1 42-44 Torpedo 1 or 2

Engine Room 2 45-51 AAMGs [Torpedo 3 or 4]

Aft Main Magazine 52 Searchlight Aft Main Magazine 53 AAMGs Aft Main Magazine Main X 54-55 Fuel Oil 3 56 Main X Void 61-62 Main Y

Void, Propshaft 1 or 2 63-64 Void

Steering 65-66 Steering

FO1	FM	FO2	BR1	BR2	ER1	ER2	AM	FO3	V	ST
1FP	A&B	3FP	B1	В3	E1	E2	X&Y	1FP	1FP	1FP
	1FP		B2	3FP	5FP	5FP	1FP			
			6FP							

#### **Takao** Imperial Japanese Navy Date 1942, as reconstructed Navy Class Heavy cruiser Surface Armament Ranges **Directors** 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" 3 special hits 44 inches at 4.50" 4.25" 4 engines Speed 12 boilers DIW: 33 Sinking: 44 **Flotation** Total: 66 <u>Bulge</u> -1 to torpedo hits in way of locations 21-54 <u>Torpedo Hits</u> 17.7"-18": ±1 20.5"-22.5": ±2 24": ±3

#### **Armament Arrangement**



#### **Notes**

- Class included Chokai, Takao, Atago and Maya.
- Chokai and Maya were not refitted with their sisters. They retained a secondary battery of 4.7 inch guns in four single mounts (range 16 inches) and four twin 24 inch torpedo tubes. They also retained short rangefinders. These give a -1 modifier to main battery fire at ranges beyond 15 inches.
- Takao had Chokai's secondary battery until April 1942, Atago until May 1942.

#### Hits

	Fuel Oil	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	Officers Berths	
	Boiler Room 1	31	Bridge, AAMGs	
	Boiler Room 2	32	Forward Main Director, Funnel, Bridge	
	Boiler Room 3	33	Port or Starboard Secondary Director,	
			Torpedo 1 or 2, Torpedo Director	
	Boiler Room 4 or 5	34	Secondary 1 or 2, AAMGs	
	Boiler Room 6 or 7	35	Port or Starboard Reloads, Searchlight 1 or 2	
	Boiler Room 6 or 7	36	Void	
	Boiler Room 8 or 9	41	AAMGs, Torpedo 3 or 4	
	Boiler Room 8 or 9	42	Aft Main Director, Searchlight 3 or 4,	
			Secondary 3 or 4	
	Engine Room 1 or 2	43-45	Port or Starboard Catapult, Aircraft	
	Engine Room 3 or 4	46-51	Aircraft	
	Main Magazine X		Main X	
	Main Magazine Y		Main Y	
	Fuel Oil 2	56-62		
	Fuel Oil 3, Propshaft 1 or 2	63	Crew Berths	
	Fuel Oil 3, Propshaft 3 or 4	64	Crew Berths	
	Steering	65 66	Steering	
Interne	Aft Void	66	Aft Void	

								BR5	BR7	BR9	ER1	ER3						
					BR1	BR2	BR3	B7	B9	B11	E1	E3						
FO1	MM	MM	MM	SM	B1	B3	B5	2FP	2FP	2FP	6FP	6FP	MM	MM	FO2	FO3	ST	V
2FP	Α	В	М	1FP	B2	B4	B6	BR4	BR6	B8	ER2	ER4	Χ	Υ	2FP	2FP	1FP	0FP
	2FP	2FP	2FP		4FP	4FP	4FP	B8	B10	B12	E2	E4	2FP	2FP				
								2FP	2FP	2FP	6FP	6FP						

# **Aoba**

Imperial Japanese Navy Navy

Class Heavy cruiser

1941 <u>Date</u>

Surface Armament

Main Battery: 8 inch guns in 3 twin turrets Secondary Battery: 4.7 inch guns in 4 single mounts Torpedoes:

24 inch torpedoes in 2 quadruple mounts

8 reloads 3 special hits

Directors Ranges 32 inches Fore and aft 16 inches Port and starboard 22 inches at 6.00" Port and starboard

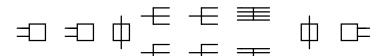
35 inches at 5.00" 44 inches at 4.50"

Speed 4.25" 12 boilers 4 engines

DIW: 32 **Flotation** Total: 63 Sinking: 42

-1 to torpedo hits in way of 22 -52 Bulge Torpedo Hits 17.7"-18": ±1 20.5"-22.5": ±2 24": ±3

#### **Armament Arrangement**



**Notes** 

Class included Aoba and Kinugasa.

Hits

Fuel Oil 1 11-14 Void Main Magazine A Main A 15-21

Main Magazine B Main B 22-23 Boiler Room 1 Bridge, AAMGs 24

Boiler Room 1 25 Secondary Director 1 or 2, Bridge Boiler Room 1 26

Main Director, Bridge Boiler Room 2 or 3 31 Torpedo Director, Bridge

Boiler Room 2 or 3 32 Secondary 1 or 2, Funnel, Searchlight 1 or 2

Boiler Room 2 or 3 33 Funnel Boiler Room 4 or 5 34 Funnel

Boiler Room 4 or 5 35 Secondary 3 or 4

Boiler Room 4 or 5 36 Funnel Boiler Room 6 or 7 41 **AAMGs** Engine Room 1 or 3 42

Aft Main Director Engine Room 1 or 3 43 Torpedo 1 or 2 Engine Room 1 or 3 44-45 Catapult, Aircraft Engine Room 2 or 4 46 Catapult, Aircraft Engine Room 2 or 4 51-53 Void

66

Void

Main Magazine C 54-56 Main C Fuel Oil 2, Propshaft 1 or 2) 61-62 Void Fuel Oil 3, Propshaft 3 or 4) 63-64 Void Steering 65 Steering

Void

Internal Diagram and Torpedo Hits

									BR7	ER1	ER3
				BR1	BR3	4FP	BR5	4FP	B11	E1	E3
FC	<b>)</b> 1	PM	PM	B1	В3	B5	B7	B9	2FP	6FP	6FP
3F	FΡ	Α	В	B2	BR2	4FP	BR4	4FP	BR6	ER2	ER4
		2FP	2FP	4FP	B4	B6	B8	B10	B12	E2	E4
									2FP	6FP	6FP

PM FO2 FO3 ST V	1
1 W   1 02   1 00   01   1	
X 2FP 2FP 1FP 1F	Ρ
2FP	

## **Furutaka**

Imperial Japanese Navy Navy

Class Heavy cruiser

1941 <u>Date</u>

Ranges

Surface Armament

Main Battery: 8 inch guns in 3 twin turrets Secondary Battery: 4.7 inch guns in 4 single mounts Torpedoes:

24 inch torpedoes in 2 quadruple mounts

8 reloads 3 special hits

32 inches 16 inches 22 inches at 6.00" 35 inches at 5.00"

Directors Fore and aft Port and starboard Port and starboard

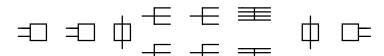
44 inches at 4.50"

Speed 4.25" 12 boilers 4 engines

DIW: 32 **Flotation** Total: 63 Sinking: 42

-1 to torpedo hits in way of 22 -52 Bulge Torpedo Hits 17.7"-18": ±1 20.5"-22.5": ±2 24": ±3

#### **Armament Arrangement**



#### **Notes**

Class included Furutaka and Kako.

Hits

Fuel Oil 1 11-14 Void Main Magazine A Main A 15-21 Main Magazine B Main B 22-23

Fuel Oil 2 Bridge, AAMGs 24

Boiler Room 1 25 Secondary Director 1 or 2, Bridge Main Director, Bridge Boiler Room 1 26 Torpedo Director, Bridge Boiler Room 1 31

Boiler Room 2 or 3 32 Secondary 1 or 2, Funnel, Searchlight 1 or 2

Boiler Room 2 or 3 33 Funnel Boiler Room 2 or 3 34 Funnel

Boiler Room 4 or 5 35 Secondary 3 or 4

Boiler Room 4 or 5 36 Funnel Boiler Room 4 or 5 41 **AAMGs** 

Engine Room 1 or 3 Aft Main Director 42 Engine Room 1 or 3 43 Torpedo 1 or 2 Engine Room 1 or 3 44-45 Catapult, Aircraft Engine Room 2 or 4 46 Catapult, Aircraft Engine Room 2 or 4 51-53 Void

Main Magazine C 54-56 Main X Fuel Oil 3, Propshaft 1 or 2) 61-62 Void

Fuel Oil 4, Propshaft 3 or 4) 63-64 Void Steering 65 Steering Void 66 Void

#### Internal Diagram and Torpedo Hits

										ER1	ER3	
					BR1	BR3	4FP	BR5	4FP	E1	E3	
	FO1	PM	PM	FO2	B1	В3	B5	B7	B9	6FP	6FP	PM
	3FP	Α	В	4FP	B2	BR2	4FP	BR4	4FP	ER2	ER4	Х
		2FP	2FP		4FP	B4	B6	B8	B10	E2	E4	2FP
,										6FP	6FP	

PM	FO3	FO4	ST	V
Х	2FP	2FP	1FP	1FP
2FP				

**Tenryu** Imperial Japanese Navy Navy Date 1940 Class Light cruiser Surface Armament Ranges **Directors** Main Battery: 5.5 inch guns in 4 single mounts 20 inches Fore 21 inch torpedoes in 2 triple mounts Torpedoes: 8 inches at 4.25" Port and starboard no reloads 16 inches at 3.75" 4.00" 3 engines 8 boilers **Speed** DIW: 22 Sinking: 30 **Flotation** Total: 44 Torpedo Hits 17.7"-18": ±1 20.5"-22.5": ±2 24": ±4

# 

Hits

Void 1 11-13 Void Forward Magazine 14-15 Main A Forward Magazine 16 Bridge

Forward Magazine 21 Bridge, Main Director

Fuel Oil 1 22-23 Main 1

Boiler Room 1 24 Torpedo A Boiler Room 2 Torpedo A 25-26 Boiler Room 2 Funnel 31-32 Boiler Room 3 33 Void Boiler Room 3 34-35 Funnel Boiler Room 3 36 Void

Engine Room 1 41-42 Funnel
Engine Room 1 43 Void
Engine Room 1 44 Torpedo B
Engine Room 2 45-46 Torpedo B

Engine Room 2 51 Torpedo Director

Engine Room 2 52 Main 2 Aft Magazine 53 Main 2 Aft Magazine 54 Searchlight Aft Magazine 55-56 Main X Fuel Oil 2 61-62 **AAMGs** Fuel Oil 2, Propshaft 1 or 2 63 AAMGs

Void 2, Propshaft 3 64 Void

Steering 65-66 Steering

V1 FM FO1 2FP 2FP 4FP	BR1 B1 2FP	BR2 B2,3 4 6FP	BR3 B5,6 7,8 8FP	ER1 E1,2 7FP	ER2 E3 6FP	AM 2FP	FO2 2FP	V2 2FP	ST 1FP
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Yubari Imperial Japanese Navy Date Navy 1942, as modified Class Light cruiser Surface Armament Ranges **Directors** Main Battery: 5.5 inch guns in 2 single and 2 twin 20 inches Fore Torpedoes: 24 inch torpedoes in 2 twin mounts 22 inches at 6.00" Aft no reloads 35 inches at 5.00" 44 inches at 4.50" 7 boilers 3 engines Speed 4.00" Total: 42 DIW: 21 Sinking: 28 **Flotation** Torpedo Hits 17.7"-18": ±1 20.5"-22.5": ±3 24": ±5

# Armament Arrangement Notes Experimental design mounting a heavy armament on a light displacement.

Hits Fuel Oil 1 Void 11-14 Forward Main Magazine 15-16 Main A Forward Main Magazine 21-22 Main B Bridge, Forward Searchlight Fuel Oil 2 23 Boiler Room 1 24 Bridge, Main Director Boiler Room 1 25 Funnel Boiler Room 2 26-32 Funnel Boiler Room 2 Searchlight 33 Boiler Room 2 34-36 Torpedo A Boiler Room 3 41-42 AAMGs Boiler Room 3 43-45 Torpedo B Engine Room 1 46 Torpedo Director Engine Room 1 51 Void Engine Room 2 52-53 Void Aft Main Magazine 54-55 Main X Aft Main Magazine Main Y 55-56 Fuel Oil 2, Propshaft 1 or 2 Void 61-62 Fuel Oil 2, Propshaft 3 Void 63-64 Steering 65 Steering

**Internal Diagram** 

			BR1	BR2	BR3	ER1					
V1	FM	FO	B1	B2,3	B5	E1	ER2	AM	FO2	ST	V
1FP	3FP	4FP	2FP	B4,5	В6	E2	E3	3FP	2FP	1FP	0FP
				6FP	4FP	8FP	8FP				

66

Void

Void

Kamikaze

Imperial Japanese Navy Navy Class Destroyer-transport

1942, as converted Date Armor None

Surface Armament

Main Battery: 4.7 inch guns in 3 single mounts 21 inch torpedoes in 2 twin mounts Torpedoes:

Ranges **Directors** 18 inches Fore 8 inches at 4.25" Aft 16 inches at 3.25"

No reloads

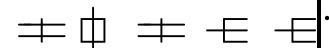
2 special hits

2 engines 4.25 4 boilers **Speed** 

DIW: 14 Sinking: 18 **Flotation** Total: 27

> Torpedo Hits 17.7"-18": ±1 20.5"-22.5": ±3 24": ±5

#### **Armament Arrangement**



**Notes** 

Nine Kamikazes were converted to this role.

Hits

Fuel Oil 1 Forward Void 11-13

Forward Magazine 14-16 Mount A

Crew Spaces 21-23 Torpedo A Fuel Oil 2 24

Bridge

Boiler Room 1 25 Bridge, Main Director

Boiler Room 1 26-31 Funnel

Boiler Room 1 32 AAMGs, Supply Area Boiler Room 2 33-35 AAMGs, Supply Area

Boiler Room 2 36 Funnel

Searchlight Engine Room 1 41

42-44 Engine Room 1 AAMGs, Supply Area Engine Room 2 AAMGs, Supply Area 45

Engine Room 2 46-52 Torpedo B

Aft Magazine 53-54 Main M Aft Magazine 55-56 Main X

Fuel Oil 3, Propshaft 1 or 2 61-64 Aft Void

Steering 65-66 Steering

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	FO1 1FP	PM A 1FP	V 2FP	FO2 FO 2FP	BR1 B1 B2 4FP	BR2 B3 B4 4FP	ER2 E1 4FP	ER2 E2 4FP	PM MY 2FP	FO3 2FP	ST 1FP