#### KOMANDORSKI ISLANDS

#### 0840 26 March 1943

Background: During their vast and disastrous Midway operation, the Japanese landed troops on the Aleutian islands of Attu and Kiska. Supplying these outposts required the Japanese to use of heavily escorted convoys to run a gauntlet of American air and naval forces. At dawn on March 26, one of these convoys collided with the American naval forces in the area.

#### Forces:

USN: (Rear Admiral Charles H. McMorris)	Division 1:	Bailey Coughlan	(Livermore - flag) (Livermore)
	Division 2	Richmond Salt Lake City	(Omaha - flag) (Pensacola)
	Division 3	Dale Monaghan	(Farragut - flag) (Farragut)
NK: (Vice Admiral Hosogaya Boshiro)	Division 1	Nachi Maya	(Myoko - flag) (Myoko)
	Division 2:	Tama Wakaba Hatsushimo	(Kuma - flag) (Hatsuharu) (Hatsuharu)
	Division 2:	Abukuma Ikazuchi Inazuma	(Nagara - flag) (Akatsuki) (Akatsuki)

#### Set-up:

N^

The American friendly edge is the south edge. The Japanese friendly edge is the north edge.

The American formation is steaming in division order on a course of 0 degrees (due north). Its lead ship is 14 inches from the east edge and 20 inches from the north edge.

\_\_\_\_\_\_ The Japanese formation is also steaming in division order, on a course of 30 degrees. The lead ship is 15 inches from the east edge and 9 inches from the north edge.

Victory Conditions: Victory is decided on points:

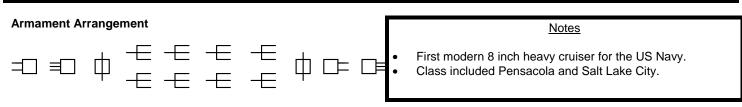
- a) 3 per heavy cruiser sunk;
- b) 2 per light cruiser sunk;
- c) 1 per destroyer sunk;
- d) 1 per turn that an American ship is north of the Japanese Division 1.

#### Special Rules.

- 1. All USN ships have SG radar and CICs. All USN ships have Mk 8 or Mk 12 fire control radars.
- 2. The Japanese are alert.
- 3. Because there is a Japanese convoy to the north of this action, the Japanese Division 1 must try to remain north of the American forces at all times.
- 4. The visual sighting base is 22, with a visibility state of -1 -- a clear morning.
- 5. The scenario lasts for 36 turns.

Outcome: Hosogaya fought a cautious action at long range, shielding the convoy to the north. Although he temporarily crippled Salt Lake City with 8 inch gunfire, a determined American torpedo attack kept him from closing in for the kill. McMorris lacked the speed to loop around the Japanese and the strength to bull his way through them. Frustrated, and with his largest ship damaged, he was content to let the Japanese break off the action 2 and 1/2 hours after it began.

	Pensacola														
Navy Class		United State Heavy cruis			<u>Dat</u>	<u>e</u> 1	942								
Surface Ar Main Batte		8 inch guns turrets	in 2 triple	turrets and 2 twin		nges inches		Directors Fore and	aft						
Secondary	Battery:	5 inch guns	in 8 single	e mounts	14	inches		Fore and aft							
Gun: 8 inch triple 8 inch twin 5 inch sing		5" A/10 A/9 A/10	10" 8/9 8/8 8/6	15" 6/7 6/6 2/1	20" 4/5 4/4	25" 3/1 3/0	30" 2/0 2/-1	32" 1/-1 1/-2	Power 6 6 4	Relia B B B					
Speed Flotation	4.00" Total: 68	8 boile		4 engines Sinking: 46	<u>Tor</u>	pedo Hits	17.7"-18": ±1	20.5"-2	2.5": ±2	24": ±3					



#### Hits

1 111	.o		
	Fuel Oil 1	11-13	Void
	Aviation Gas	14	Void
	Main Magazine A	15-21	Main A
	Main Magazine B	22-24	Main B
	Fuel Oil 2	25	Secondary Director, Bridge
	Fuel Oil 2	26	Forward Main Director, AAMGs, Bridge
	Boiler Room 1	31	Bridge
	Boiler Room 1	33-34	Funnel
	Engine Room 1	35-36	Aircraft, Catapult 1 or 2
	Engine Room 1	41	Secondary 1 or 2
	Boiler Room 2	42	Funnel
	Boiler Room 2	43	Secondary 3 or 4
	Boiler Room 2	44	Secondary 5 or 6
	Engine Room 2		Secondary 7 or 8
	Engine Room 2	46	Void
	Engine Room 2	51	Aft Secondary Director, AAMGs,
			Searchlight 1 or 2
	Evaporators	52	Aft Main Director, AAMGs, Searchlight 3
ļ			or 4
	Main Magazine X	53-55	Main X
	Main Magazine Y	56-62	Main Y
	Fuel Oil 3, Propshaft 1 or 2	63	Void
	Fuel Oil 3, Propshaft 3 or 4	64	Void
	Steering	65	Steering

Void

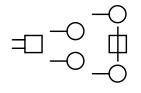
66

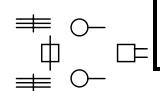
Void

FO1	AG	AM	ВМ	FO2	BR1 B1	ER1 E1	BR2 B3	ER2 E3	EVP	XM	YM	FO3	ST	V
2FP	1FP	2FP	3FP	4FP	B2 12FP	E2 10FP	B4 12FP	E4 10FP	2FP	3FP	2FP	4FP	1FP	0FP

#### **Omaha** United States Navy 1942 Navy <u>Date</u> Class Light cruiser Surface Armament Ranges **Directors** 6 inch guns in 2 twin turrets and 6 single 22 inches (turrets) Main Battery: Fore and aft 18 inches (casements) casement mounts Torpedo Battery: 21 inch torpedoes in 2 triple mounts 6 inches at 5.50" Port and starboard Maximum Value: 10 inches at 3.25" 8 5" 10" 15" 20" 22" Power Relia Gun: 6 inch twin A/12 8/10 3/7 2/5 1/2 6 В В 6 inch single A/10 3/5 2/3 1/0 6 8/8 3.50" 4 engines Torpedo Hits **Speed** 12 boilers 17.7"-18": ±1 20.5"-22.5": ±2 24": ±3 DIW: 20 Sinking: 27 **Flotation** Total: 40

## Armament Arrangement





#### **Notes**

- Class of 10 included Omaha, Marblehead and Richmond.
- AAMGs are actually 7 3 inch guns. These cannot engage surface targets.

#### Hits

	nits		
	Fuel Oil 1	11-14	Void
	Main Magazine A	15-16	Main A
	Main Magazine 1, 2, 3 and 4	21-22	Main 1 and 3, Main 2 and 4
	Void	23	Forward Main Director, Bridge
	Fuel Oil 2	24	Bridge
	Fuel Oil 2	25-26	AAMGs
	Fuel Oil 2	31	Funnel
	Boiler Room 1	32	Void
	Boiler Room 1	33	Funnel
	Boiler Room 2	34	Secondary 1 or 2
Ì	Engine Room 1	35-36	AAMGs
	Engine Room 1	41	Searchlight 1 or 2, Funnel
	Boiler Room 3	42	Secondary 3 or 4
	Boiler Room 3	43	Aircraft, Catapult 1 or 2, Searchlight 1 or 2, Funnel
	Boiler Room 4	44	Aircraft, Catapult 1 or 2
	Engine Room 2	45-46	Aircraft, Catapult 1 or 2
	Engine Room 2	51	Torpedo 1 or 2
	Aft Main Magazine 5 and 6	52	Torpedo 1 or 2, Aft Main Director
	Aft Main Magazine 5 and 6	53-54	Main 5 and 6
	Aft Main Magazine X	55	Void
	Propshaft 1 or 2, Fuel Oil 3	56-61	AAMGs
	Propshaft 3 or 4, Fuel Oil 3	62-63	Main X
	Fuel Oil 3	64	Void
	Steering	65	Steering
	Void	66	Void

		<u> </u>													
							ER1		BR4	ER2					
F	O1	PM	PM	FO2	BR1	BR2	E1	BR3	B10-	E3	PM	PM	FO3	ST	V
1	FP	Α	1234	4FP	B1-3	B4-6	E2	B7-9	12	E4	56	Χ	2FP	1FP	0FP
		2FP	2FP		3FP	3FP	6FP	3FP	3FP	6FP	2FP	2FP			

	Livermore														
Navy Class	United States Nav Destroyer	/	<u>Date</u> <u>Armor</u>	1942 None											
Surface Armament Main Battery: Torpedoes: Maximum Value:	5 inch guns in 4 sii 21 inch torpedoes 7 through 6/43, 9 a	in 2 quintuple mounts	Ranges 18 inches 6 inches 10 inches	at 5.50"	<u>Directors</u> Fore Port and starboard										
Gun: 5 inch single	5" 10 A/11 8/	-		ower Relia 4 A											
<u>Speed</u> 4.50	4 boilers	2 engines	Flotation Torpedo I	Total: 27 <u>Hits</u> 17.7"-18": ±1	DIW: 14 20.5"-22.5": ±3	Sinking: 18 24": ±5									

# Armament Arrangement • 15 ships in class, including Livermore, Gwin, Meredith, Grayson, Monssen and Nicholson (DD 429-430, 432-444). • Class built with had 5 guns and 10 tubes, but sacrificed one gun mount for increased AAMG armament.

#### Forward Void Fuel Oil 1 11-13 Fuel Oil 1 14 Main A Forward Main Magazine 15-16 Main A Forward Main Magazine 21-22 Main B Fuel Oil 2 23 Main B Fuel Oil 2 24 **AAMGs** Fuel Oil 2 25 Bridge Fuel Oil 2 26 Main Director (1-3), Bridge (4-6) Boiler Room 1 31 Search Radar Boiler Room 1 32-33 Funnel Boiler Room 1 Torpedo A 34 Engine Room 1 35-36 Torpedo A Boiler Room 2 41-42 Funnel (1-3), AAMGs (4-6) Boiler Room 2 43 Torpedo B Boiler Room 2 44 Torpedo B Engine Room 2 Torpedo B (1-3), Searchlight (4-6) 45 Engine Room 2 46-51 AAMGs Aft Main Magazine 52 **AAMGs** Aft Main Magazine 53-55 Main X Fuel Oil 3 (1-3), Propshaft 1 or 2 (4-6) 56-62 Main Y Fuel Oil 3 (1-3), Propshaft 1 or 2 (4-6) 63-64 Void

**Internal Diagram** 

Hits

FO <sup>2</sup>	MM	FO2	BR1	ER1	BR2	ER2	MM	FO3	ST
1FF	A&B	3FP	B1	E1	B3	E2	XY	2FP	1FP
	1FP		B2	4FP	B4	4FP	1FP		
			5FP		5FP				

65-66

Steering

Steering

**Farragut** 

United States Navy Navy Class

Destroyer

1942 Armor None

Surface Armament

5 inch single

Main Battery: 5 inch guns in 4 single mounts

21 inch torpedoes in 2 quadruple mounts

18 inches 6 inches at 5.50"

Ranges

**Directors** Fore

Torpedoes: Maximum Value: 7 through 6/43, 9 after

10 inches at 3.25"

Port and starboard

5" 10" 15" Gun:

18" Power A/11 1/-1 8/7 2/3 4

Speed 4.50 4 boilers 2 engines Torpedo Hits 17.7"-18": ±1 20.5"-22.5": ±3 24": ±5

Total: 25 DIW: 13 Sinking: 16 **Flotation** 

#### **Armament Arrangement**

#### **Notes**

First modern USN destroyer class.

Relia

Α

- 8 ships in class.
- As modified in 1942 by removal of a midships 5 inch mount and the installation of additional AAMGs.

#### Hits

Fuel Oil 1 11-14 Forward Void

Forward Main Magazine 15-21 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 Search Radar, Bridge 31

32-33 Boiler Room 1 Funnel Void Boiler Room 1 34 Boiler Room 1 35-36 Funnel Boiler Room 2 41-42 **AAMGs** Engine Room 43 **AAMGs** Engine Room 44-46 Torpedo A Fuel Oil 3 51-53 Torpedo B

Fuel Oil 3 54 AAMGs, Searchlight

Aft Main Magazine 55-61 Main X Fuel Oil 4, Propshaft 1 or 2 62-64 Main Y

Steering 65-66 Steering

-										
ſ	FO1	FM	FO2	BR1	BR2	ER	FO3	AM	FO4	ST
	1FP	AB	2FP	B1	В3	E1	1FP	XY	2FP	1FP
		1FP		B2	B4	E2		1FP		
				5FP	5FP	6FP				

	Myoko														
Navy Class		Imperial Jap Heavy cruise		vy	D	<u>)ate</u> 19	940, as reconst	ructed							
Surface Arm Main Battery Secondary I Torpedoes:	y: Battery:	8 reloads	in 4 twin r		3 1 nts 2 3	35 inches at 5.00"									
Maximum V	'alue:	9			4	4 inches at 4	.50"								
8 inch twin		A/10 8/9 6/7 4		20" 4/5 1/0	5 3/0 2/0		35" 1/0	Power 6 4	Relia B B						
Speed 4.25" 12 boilers 4 engines						orpedo Hits	17.7"-18": ±1	±1 20.5"-22.5": ±2 24":							
<u>Flotation</u>	Total: 66	DIW:	33	Sinking: 44	<u>B</u>	Bulge	-1 to torpedo h	nits in way o	f locations	21-54					

## **Armament Arrangement**

Steering

Aft Void

65

66

### **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	i
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 CatapultAircraft	
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	

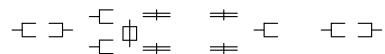
Steering

Aft Void

									BR5	BR7	BR9	ER1	ER3						
						BR1	BR2	BR3	B7	B9	B11	E1	E3						
	FO1	MM	MM	MM	SM	B1	В3	B5	2FP	2FP	2FP	6FP	6FP	MM	MM	FO2	FO3	ST	V
	2FP	Α	В	М	1FP	B2	В4	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						

#### Nagara/Kuma Imperial Japanese Navy Date 1942, as modified Navy Class Light cruiser Surface Armament Ranges **Directors** 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" Port and starboard no reloads 35 inches at 5.00" Maximum Value: 44 inches at 4.50" 5" 10" 15" 20" Power Relia Gun: 5.5 inch single A/10 2/3 8/8 3/5 5 В Torpedo Hits <u>Speed</u> 4.00" 12 boilers 4 engines 17.7"-18": ±1 20.5"-22.5": ±2 24": ±4 Total: 53 DIW: 27 Sinking: 36 <u>Flotation</u>

## **Armament Arrangement**



#### **Notes**

- Nagara class included Abukuma, Isuzu, Kinu, Nagara, Natori and Yura.
- Kuma class included Kiso, Kitakami, Kuma, Oi and Tama.
- In 1943, many in both classes had their M2 guns replaced with AAMGs, while some also replaced their X guns with a twin 5" mount. 5 inch twin: A/12, 8/8, 2/4, range 15 inches, power 4, reliability B.
- Abukuma had 2 quadruple 24inch torpedo tubes aft <u>vice</u> four twin mounts.

#### Hits

Void	1 1	11-12	Void
Forward Magazin	ie ´	13-14	Main A
Forward Magazin	ie ´	15-16	Main M1
Plo	ot	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	Torpedo 1 or 2
Boiler Room	2	26	Torpedo 1 or 2
Boiler Room	2	31	Funnel, AAMGs
Boiler Room	3	32	Funnel, AAMGs
Boiler Room	3	33	AAMGs
Boiler Room	3 3	34-35	Funnel
Boiler Room	4	36	Torpedo Director
Boiler Room	4	41	Funnel
Engine Room	1	42	Funnel
Engine Room	1	43	Torpedo 3 or 4
Engine Room	1	44	Torpedo 3 or 4
Engine Room	2	45	Main M2
Engine Room	2 4	46-51	Aircraft, Catapult
Aft Main Magazin	ie 5	52-53	Aircraft, Catapult
Aft Main Magazin	ie 5	54-55	Main M3
Void	2 5	56-61	Main X
Void	2	62	Void
Void 2, Propshaft 1 or	2	63	Void
Void 2, Propshaft 3 or	4	64	Void
Steerin	ıg	65	Steering
Voi	id	66	Void
Internal Diagram			

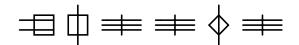
V1	FM	PL	FO1	BR1 B1	BR2 B2,3	BR3 B4,5,	BR4 B8,9	ER1 E1,2	ER2 E1,2	AM	V2	ST	V3
2FP	4FP	1FP	4FP	2FP	4FP	6,7 8FP	4FP	8FP	8FP	4FP	2FP	1FP	1FP

**Akatsuki** Imperial Japanese Navy Date 1942, as refit Navy Class Destroyer Surface Armament Ranges **Directors** Main Battery: 5 inch guns in 2 twin mounts 18 inches Fore and aft Torpedoes: 24 inch torpedoes in 3 triple mounts 22 inches at 6.00" Port and starboard 6 reloads 35 inches at 5.00" Maximum Value: 9 44 inches at 4.50" 5" 10" 15" 18" Power Relia Gun: 5 inch twin A/12 8/8 2/5 1/1 4 В

<u>Speed</u> 4.25" 3 boilers 2 engines <u>Torpedo Hits</u> 17.7"-18": ±1 20.5"-22.5": ±3 24": ±5

Flotation Total: 28 DIW: 14 Sinking: 18

#### **Armament Arrangement**





<u>Notes</u>

Similar to the Fubukis, but with 3 boilers. Six in the class.

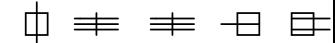
#### Hits

Fuel Oil 1 Forward Void 11-13 Forward Main Magazine 14-16 Main A Fuel Oil 2 21-22 Void Fuel Oil 2 23 Bridge Fuel Oil 2 24 AAMGs, Main Director Boiler Room 1 25 Bridge Boiler Room 1 26 Funnel Boiler Room 1 31 Torpedo A Boiler Room 2 32-33 Torpedo A Boiler Room 2 34 **AAMGs** Boiler Room 2 35 Funnel Boiler Room 2 36 Reload B Searchlight, AAMGs Engine Room 1 41 Torpedo B Engine Room 1 42-44 45 Torpedo Director Engine Room 2 46-52 Torpedo C Engine Room 2 Aft Main Magazine 53 AAMGs Aft Main Magazine 54-55 Reload C Aft Main Magazine 56-62 Main Y Propshaft 1 or 2, Fuel Oil 3 63-64 Aft Void Steering 65-66 Steering

FO1 1FP	PM A 1FP	FO2 FO 4FP	BR1 B1 3FP	BR2 B3 B4 6FP	ER2 E1 4FP	ER2 E2 4FP	PM Y 2FP	FO3 2FP	ST 1FP

Hatsuharu/Shiratsuyu												
Navy Class		Imperial Japa Destroyer	anese Na	vy	_		1940 None					
Class		Destroyer				<u> </u>	VOLLE					
Surface Arma			0		_	Ranges 8 inches		<u>Directors</u>				
Main Battery:	attery: 5 inch guns in 2 twin mounts and 1 single mount							Fore				
Torpedoes:		24 inch torpe 6 reloads	does in 2	triple mounts		22 inches at 6 35 inches at 5		Aft				
Maximum Val	lue:	9		_	14 inches at							
Gun:		5"	10"	15"	18"	Power	Relia					
5 inch twin		A/12	8/8	2/5	1/1	4	В					
5 inch single		A/10	8/6	2/3	1/-1	4	В					
Speed 4	4.25	3 boile	rs	2 engines	I	orpedo Hits	17.7"-18": ±1	20.5"-22.5": ±3	24": ±5			
<u>Flotation</u>	Total: 28	DIW: 1	4	Sinking: 18								

# Armament Arrangement



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

- 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 Bridge, Main Director 25 Boiler Room 1 Void 26-31 Boiler Room 1 Funnel 32 Torpedo A Boiler Room 1 33-34 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 Torpedo B Engine Room 2 45 Engine Room 2 46 Torpedo Director Engine Room 2 51-52 Torpedo Reload B Main M Aft Main Magazine 53-54 Main Y Aft Main Magazine 55-61 Propshaft 1 or 2, Fuel Oil 3 62-64 Void 65-66 Steering Steering

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