# Karuikaze (Asakaze)

**DD JAPAN** 1923 to 1941

1767-0 KAMIKAZE Class

| | | | | | |
|---|---|---|---|---|---|
| *Displacement* | 1,400 ts | *Length* | 327 ft | Mitsubishi, Nagasaki | |
| *Complement* | 148 | *Beam* | 30 ft | *Launched* | 12/08/1922 |
| Sunk 08/23/1944 | | *Draft* | 9.6 ft | *Completed* | 06/16/1923 |

SEEKRIEG 5

**SHIP LOG SHEET**

*Version* 3/6/2009

**4 x 12cm/45 Type 10** | 12

| Max ROF | Range | Shell Size/Weight |
|---|---|---|
| 8.0 sh/min | 17,500 yds 35.0" | 4.7" 45.0 lbs. |

| Fire Control | FC Radar | |
|---|---|---|
| 1 1Q2 | None | + 0 |

| AP | SAP |
|---|---|
| COM | HE |

| AA | 2.1 | Level | V | Ammunition | 160 rpg | 640 |
|---|---|---|---|---|---|---|

**FIRE CONTROL TABLE**

| T Kts | Short | | Medium | | Long | | Extreme | |
|---|---|---|---|---|---|---|---|---|
| 0 - 9 | 14 | 9 | 9 | 6 | 7 | 4 | 6 | 4 |
| 10 - 18 | 10 | 6 | 7 | 4 | 5 | 3 | 4 | 3 |
| 19 - 27 | 8 | 5 | 5 | 3 | 4 | 3 | 3 | 2 |
| 28 - 36 | 7 | 4 | 5 | 3 | 3 | 2 | 3 | 2 |
| 37 - 45 | 6 | 4 | 4 | 3 | 3 | 2 | 3 | 2 |

**HE — PENETRATION TABLE**

| Yds | 2,000 | 4,000 | 6,000 | 8,000 | 10,000 | 12,000 | 15,000 | 18,000 | 21,000 | 24,000 | 27,000 | 30,000 | 33,000 | 36,000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ROF | 7.8 | 6.4 | 5.3 | 4.3 | 3.5 | 2.9 | 2.2 | 1.5 | | | | | | |
| Rge | S | S | S | M | M | L | E | E | | | | | | |
| H | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 1.2 | 1.7 | | | | | | |
| V | 3.6 | 2.6 | 1.9 | 1.5 | 1.3 | 1.2 | 1.1 | 1.2 | | | | | | |

| Crew | Sea | BR | Targ Sz | Ops |
|---|---|---|---|---|
| | | | 0 | |

**AIRCRAFT**

| Aircraft | 0 | Catapult | 0 |
|---|---|---|---|

**TORPEDOES**

| TT | 6 | Ammo | 6 |
|---|---|---|---|

53cm Type 6

| Damage Class | E |
|---|---|

Settings

- 7,600/36
- 11,000/32
- 17,000/27

**MINES**

| 20 | | | |
|---|---|---|---|

**RAPID FIRE BATTERIES**

| RF1 | None |
|---|---|
| Max Rg | |
| Eff Rg | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| 0 | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF2 | None |
|---|---|
| Max Rg | |
| Eff Rg | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| 0 | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF3 | None |
|---|---|
| Max Rg | |
| Eff Rg | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| Captain | |
|---|---|

| T# | BTTY | TARGET SHIP | SHELL | FCS | BR | H | RANGE | R | #RNDS | HITS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| Coal (ts) | 0 | Oil (ts) | 420 |
|---|---|---|---|
| Engines | 2 Parsons GT | | |
| Boilers | 4 Kampon | | |

| Radius (nm/kts) | |
|---|---|
| 3600 | 14 |

| Search Radar |
|---|
| None |
| None |

| ASW MORTARS/ATW | | | DEPTH CHARGES | | | |
|---|---|---|---|---|---|---|
| 0 | | | Rack | 0 | | |
| None | | | Ammo | 0 | | |

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# Karuikaze (Asakaze)

| TIER | DP |
|---|---|
| 1/70 | 68 |
| 2/80 | 136 |
| 3/75 | 204 |
| 4/85 | 272 |
| 5/80 | 340 |
| 6/90 | 401 |
| 7/85 | 462 |
| 8/95 | 524 |
| 9/90 | 585 |
| 10 | 646 |
| 10 | 687 |

| DP | 680 |
|---|---|
| KTS | 38 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Engine Rm | 1 | 38 | 0 | 0 | 0 | 0 | 0 |
| Prop/Shaft | 2 | 38 | 19 | 0 | 0 | 0 | 0 |
| Boiler Rm | 2 | 38 | 23 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 |

| Standard Turn | |
|---|---|
| 90 | |
| Emergency Turn | |
| 120 | |

| Target Sz | |
|---|---|
| 0 | |
| Searchlights | |
| Port | Stbd |

| Speed | 00-12 kt | 13-21 kt | 22-27 kt | 28-30 kt | 31+ kt | |
|---|---|---|---|---|---|---|
| Increase | 13.0 | 9.0 | 6.0 | 3.0 | 1.0 | |

| Crew |
|---|
| |

| Bridge Command Rating | Flag Command Rating | Damage Control (DCR) |
|---|---|---|
| | | 2 |

| Fuel Code | DD5D |
|---|---|

| ARMOR | 1.00 | Actual |
|---|---|---|
| 1H DECK | 0.0 | 0.0 |
| 2H TURRET | 0.0 | 0.0 |
| 3H SUPERSTR | 0.0 | 0.0 |
| 4V CON | 0.0 | 0.0 |
| 5V BELT MID | 0.0 | 0.0 |
| 6V BELT END | 0.0 | 0.0 |
| 7V BARBETTE | 0.0 | 0.0 |
| 8V TURRET | 0.0 | 0.0 |
| 9V SUPERSTR | 0.0 | 0.0 |

| T# | DE # | SEVERITY | DESCRIPTION |
|---|---|---|---|
| | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | CODE | ORDER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | *AF* | Obey signals from Flagship |
| | | | | | | | | | | | | | | | | | | | | *AI* | Independent Action |
| | | | | | | | | | | | | | | | | | | | | *AX* | Battle Stations! |
| | | | | | | | | | | | | | | | | | | | | *AA* | Abandon ship! |
| | | | | | | | | | | | | | | | | | | | | *AZ* | Strike colors |
| **COURSE AND SPEED** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **CA** | Midships steady |
| | | | | | | | | | | | | | | | | | | | | **CP #** | Alter course to PORT |
| | | | | | | | | | | | | | | | | | | | | **CS #** | Alter course to STARBOARD |
| | | | | | | | | | | | | | | | | | | | | **SF** | Ahead full |
| | | | | | | | | | | | | | | | | | | | | **SR#** | Revolutions for # knots |
| | | | | | | | | | | | | | | | | | | | | **SA** | Full astern |
| | | | | | | | | | | | | | | | | | | | | **SS** | All stop |
| **ILLUMINATION AND EVASION** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **EX** | Evasive action |
| | | | | | | | | | | | | | | | | | | | | **KX** | Lay smoke |
| | | | | | | | | | | | | | | | | | | | | **IS ##** | Illuminate using starshell |
| | | | | | | | | | | | | | | | | | | | | **IL #** | Illuminate using searchlight |
| **TORPEDO AND AIRCRAFT** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **TR (X)** | Prepare to launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **TL (X)** | Launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **VL** | Prepare to launch aircraft |
| | | | | | | | | | | | | | | | | | | | | **VX** | Launch aircraft |
| **PRIMARY BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **B1D** | Directed fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1V** | Coordinated fire |
| | | | | | | | | | | | | | | | | | | | | **B1L** | Local control as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1P** | Split fire |
| | | | | | | | | | | | | | | | | | | | | **B1C** | Change target |
| | | | | | | | | | | | | | | | | | | | | **B1B** | Barrage fire as range permits |
| **RF BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **R5B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R6B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R7B** | Barrage fire as range permits |

## LOSS OF SPEED DURING TURNS

| KTS | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STD | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 21.0 | 22.5 | 24.0 | 25.5 | 27.0 | 28.5 | 30.0 |
| E/EA | NA | NA | NA | NA | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 |

## TURNING SEGMENTS

| DEG OF TURN | SEGMENTS |
|---|---|
| TO 15 | 2 Segments* |
| 16 TO 45 | 2 Segments |
| 46 TO 90 | 3 Segments |
| 91 TO 135 | 4 Segments |
| 136 TO 180 | 5 Segments |

## SHIPBOARD FIRE TRACKING

| T# | Fire | Current Severity | | | | | T# | Fire | Current Severity | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

## FIGHTING SHIPBOARD FIRES

| NO DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-03 | -20 from severity |
| 04-12 | -10 from severity |
| 13-50 | No change |
| 51-85 | +10 to severity |
| 86-95 | +30 to severity |
| 96-00 | +40 to severity |

| DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-05 | Fire extinguished |
| 06-15 | -30 from severity |
| 16-45 | -20 from severity |
| 46-75 | -10 from severity |
| 76-90 | No change |
| 91-00 | +10 to severity |

# Karuikaze (Asakaze)

**DD JAPAN** 1942 to 1944

1767-1 KAMIKAZE Class

| | | | | | |
|---|---|---|---|---|---|
| *Displacement* | 1,500 ts | *Length* | 327 ft | Mitsubishi, Nagasaki | |
| *Complement* | 148 | *Beam* | 30 ft | *Launched* | 12/08/1922 |
| Sunk 08/23/1944 | | *Draft* | 9.6 ft | *Completed* | 06/16/1923 |

SEEKRIEG 5

**SHIP LOG SHEET**

*Version* 3/6/2009

**3 x 12cm/45 Type 10** — 12

| Max ROF | Range | Shell Size/Weight |
|---|---|---|
| 8.0 sh/min | 17,500 yds 35.0" | 4.7" 45.0 lbs. |

| Fire Control | FC Radar | |
|---|---|---|
| 1 1Q2 | None | + 0 |

| AP | SAP |
|---|---|
| COM | HE |

| AA | 2.1 | Level | V | Ammunition | 160 rpg | 480 |
|---|---|---|---|---|---|---|

**FIRE CONTROL TABLE**

| T Kts | Short | | Medium | | Long | | Extreme | |
|---|---|---|---|---|---|---|---|---|
| 0 - 9 | 14 | 9 | 9 | 6 | 7 | 4 | 6 | 4 |
| 10 - 18 | 10 | 6 | 7 | 4 | 5 | 3 | 4 | 3 |
| 19 - 27 | 8 | 5 | 5 | 3 | 4 | 3 | 3 | 2 |
| 28 - 36 | 7 | 4 | 5 | 3 | 3 | 2 | 3 | 2 |
| 37 - 45 | 6 | 4 | 4 | 3 | 3 | 2 | 3 | 2 |

**HE — PENETRATION TABLE**

| Yds | 2,000 | 4,000 | 6,000 | 8,000 | 10,000 | 12,000 | 15,000 | 18,000 | 21,000 | 24,000 | 27,000 | 30,000 | 33,000 | 36,000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ROF | 7.8 | 6.4 | 5.3 | 4.3 | 3.5 | 2.9 | 2.2 | 1.5 | | | | | | |
| Rge | S | S | S | M | M | L | E | E | | | | | | |
| H | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 1.2 | 1.7 | | | | | | |
| V | 3.6 | 2.6 | 1.9 | 1.5 | 1.3 | 1.2 | 1.1 | 1.2 | | | | | | |

| Crew | Sea | BR | Targ Sz | Ops |
|---|---|---|---|---|
| | | | 0 | |

**AIRCRAFT**

| Aircraft | 0 | Catapult | 0 |
|---|---|---|---|

1

2

**TORPEDOES**

| TT | 4 | Ammo | 4 |
|---|---|---|---|

53cm Type 6

| Damage Class | E |
|---|---|

Settings

7,600/36

11,000/32

17,000/27

**MINES**

0

**RAPID FIRE BATTERIES**

| RF1 | 10 | 25mm/60 Type 96 | | | |
|---|---|---|---|---|---|
| Max Rg | 7,440 | 14.9" | 7 | 5 | |
| Eff Rg | 3,348 | 6.7" | 11 | 8 | |

| RF | | | | | |
|---|---|---|---|---|---|
| 5 | Port | 5 | 4 | 3 | 2 | 1 |
| | Stbd | 5 | 4 | 3 | 2 | 1 |
| AA | Port | 20 | 16 | 11 | 7 | 3 |
| M | Stbd | 20 | 16 | 11 | 7 | 3 |

| RF2 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | | | | | |
|---|---|---|---|---|---|
| 0 | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF3 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | | | | | |
|---|---|---|---|---|---|
| | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| Coal (ts) | 0 | Oil (ts) | 420 |
|---|---|---|---|
| Engines | 2 Parsons GT | | |
| Boilers | 4 Kampon | | |

| Radius (nm/kts) | |
|---|---|
| 3600 | 14 |
| | |

| Search Radar |
|---|
| None |
| None |

| ASW MORTARS/ATW | | | DEPTH CHARGES | | | |
|---|---|---|---|---|---|---|
| 4 K-Guns | | | Rack | 0 | | |
| None | | | Ammo | 18 | | |

| Captain | |
|---|---|

| T# | BTTY | TARGET SHIP | SHELL | FCS | BR | H | RANGE | R | #RNDS | HITS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

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# Karuikaze (Asakaze)

| TIER | DP |
|---|---|
| 1/70 | 70 |
| 2/80 | 141 |
| 3/75 | 211 |
| 4/85 | 282 |
| 5/80 | 352 |
| 6/90 | 415 |
| 7/85 | 479 |
| 8/95 | 542 |
| 9/90 | 605 |
| 10 | 669 |
| 10 | 711 |

| DP | 704 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| KTS | 35 | | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Engine Rm | 1 | 35 | 0 | 0 | 0 | 0 | 0 |
| Prop/Shaft | 2 | 35 | 18 | 0 | 0 | 0 | 0 |
| Boiler Rm | 2 | 35 | 22 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 |

| Standard Turn | |
|---|---|
| 90 | |
| Emergency Turn | |
| 120 | |

| Target Sz | |
|---|---|
| 0 | |
| Searchlights | |
| Port | Stbd |

| Speed Increase | 00-10 kt | 11-17 kt | 18-22 kt | 23-25 kt | 26+ kt | |
|---|---|---|---|---|---|---|
| | 11.0 | 8.0 | 5.0 | 3.0 | 1.0 | |

| Crew |
|---|
| |

| Bridge Command Rating | | | | |
|---|---|---|---|---|
| | | | | |

| Flag Command Rating | | | | |
|---|---|---|---|---|
| | | | | |

| Damage Control (DCR) | | | | |
|---|---|---|---|---|
| 2 | | | | |

| Fuel Code | DD5D |
|---|---|

| ARMOR | 1.00 | Actual |
|---|---|---|
| 1H DECK | 0.0 | 0.0 |
| 2H TURRET | 0.0 | 0.0 |
| 3H SUPERSTR | 0.0 | 0.0 |
| 4V CON | 0.0 | 0.0 |
| 5V BELT MID | 0.0 | 0.0 |
| 6V BELT END | 0.0 | 0.0 |
| 7V BARBETTE | 0.0 | 0.0 |
| 8V TURRET | 0.0 | 0.0 |
| 9V SUPERSTR | 0.0 | 0.0 |

| T# | DE # | SEVERITY | DESCRIPTION |
|---|---|---|---|
| | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | CODE | ORDER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | *AF* | Obey signals from Flagship |
| | | | | | | | | | | | | | | | | | | | | *AI* | Independent Action |
| | | | | | | | | | | | | | | | | | | | | *AX* | Battle Stations! |
| | | | | | | | | | | | | | | | | | | | | *AA* | Abandon ship! |
| | | | | | | | | | | | | | | | | | | | | *AZ* | Strike colors |
| **COURSE AND SPEED** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **CA** | Midships steady |
| | | | | | | | | | | | | | | | | | | | | **CP #** | Alter course to PORT |
| | | | | | | | | | | | | | | | | | | | | **CS #** | Alter course to STARBOARD |
| | | | | | | | | | | | | | | | | | | | | **SF** | Ahead full |
| | | | | | | | | | | | | | | | | | | | | **SR#** | Revolutions for # knots |
| | | | | | | | | | | | | | | | | | | | | **SA** | Full astern |
| | | | | | | | | | | | | | | | | | | | | **SS** | All stop |
| **ILLUMINATION AND EVASION** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **EX** | Evasive action |
| | | | | | | | | | | | | | | | | | | | | **KX** | Lay smoke |
| | | | | | | | | | | | | | | | | | | | | **IS ##** | Illuminate using starshell |
| | | | | | | | | | | | | | | | | | | | | **IL #** | Illuminate using searchlight |
| **TORPEDO AND AIRCRAFT** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **TR (X)** | Prepare to launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **TL (X)** | Launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **VL** | Prepare to launch aircraft |
| | | | | | | | | | | | | | | | | | | | | **VX** | Launch aircraft |
| **PRIMARY BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **B1D** | Directed fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1V** | Coordinated fire |
| | | | | | | | | | | | | | | | | | | | | **B1L** | Local control as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1P** | Split fire |
| | | | | | | | | | | | | | | | | | | | | **B1C** | Change target |
| | | | | | | | | | | | | | | | | | | | | **B1B** | Barrage fire as range permits |
| **RF BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **R5B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R6B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R7B** | Barrage fire as range permits |

## LOSS OF SPEED DURING TURNS

| KTS | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STD | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 21.0 | 22.5 | 24.0 | 25.5 | 27.0 | 28.5 | 30.0 |
| E/EA | NA | NA | NA | NA | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 |

## TURNING SEGMENTS

| DEG OF TURN | SEGMENTS |
|---|---|
| TO 15 | 2 Segments* |
| 16 TO 45 | 2 Segments |
| 46 TO 90 | 3 Segments |
| 91 TO 135 | 4 Segments |
| 136 TO 180 | 5 Segments |

## SHIPBOARD FIRE TRACKING

| T# | Fire | Current Severity | | | | | T# | Fire | Current Severity | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

## FIGHTING SHIPBOARD FIRES

| NO DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-03 | -20 from severity |
| 04-12 | -10 from severity |
| 13-50 | No change |
| 51-85 | +10 to severity |
| 86-95 | +30 to severity |
| 96-00 | +40 to severity |

| DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-05 | Fire extinguished |
| 06-15 | -30 from severity |
| 16-45 | -20 from severity |
| 46-75 | -10 from severity |
| 76-90 | No change |
| 91-00 | +10 to severity |

# Kiyokaze (Kamikaze)

**DD JAPAN** 1922 to 1941

1766-0 KAMIKAZE Class

| | | | | | |
|---|---|---|---|---|---|
| *Displacement* | 1,400 ts | *Length* | 327 ft | Mitsubishi, Nagasaki | |
| *Complement* | 148 | *Beam* | 30 ft | *Launched* | 09/25/1922 |
| BU 10/00/1947 | | *Draft* | 9.6 ft | *Completed* | 12/28/1922 |

SEEKRIEG 5

**SHIP LOG SHEET**

*Version* 3/6/2009

**4 x 12cm/45 Type 10** — 12

| Max ROF | Range | Shell Size/Weight |
|---|---|---|
| 8.0 sh/min | 17,500 yds 35.0" | 4.7" 45.0 lbs. |

| Fire Control | FC Radar | |
|---|---|---|
| 1 1Q2 | None | + 0 |

| AP | SAP |
|---|---|
| COM | HE |

| AA | 2.1 | Level | V | Ammunition | 160 rpg | 640 |
|---|---|---|---|---|---|---|

**FIRE CONTROL TABLE**

| T Kts | Short | | Medium | | Long | | Extreme | |
|---|---|---|---|---|---|---|---|---|
| 0 - 9 | 14 | 9 | 9 | 6 | 7 | 4 | 6 | 4 |
| 10 - 18 | 10 | 6 | 7 | 4 | 5 | 3 | 4 | 3 |
| 19 - 27 | 8 | 5 | 5 | 3 | 4 | 3 | 3 | 2 |
| 28 - 36 | 7 | 4 | 5 | 3 | 3 | 2 | 3 | 2 |
| 37 - 45 | 6 | 4 | 4 | 3 | 3 | 2 | 3 | 2 |

**HE — PENETRATION TABLE**

| Yds | 2,000 | 4,000 | 6,000 | 8,000 | 10,000 | 12,000 | 15,000 | 18,000 | 21,000 | 24,000 | 27,000 | 30,000 | 33,000 | 36,000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ROF | 7.8 | 6.4 | 5.3 | 4.3 | 3.5 | 2.9 | 2.2 | 1.5 | | | | | | |
| Rge | S | S | S | M | M | L | E | E | | | | | | |
| H | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 1.2 | 1.7 | | | | | | |
| V | 3.6 | 2.6 | 1.9 | 1.5 | 1.3 | 1.2 | 1.1 | 1.2 | | | | | | |

| Crew | Sea | BR | Targ Sz | Ops |
|---|---|---|---|---|
| | | | 0 | |

**AIRCRAFT**

| Aircraft | 0 | Catapult | 0 |
|---|---|---|---|

**TORPEDOES**

| TT | 6 | Ammo | 6 |
|---|---|---|---|

53cm Type 6

| Damage Class | E |
|---|---|

Settings

- 7,600/36
- 11,000/32
- 17,000/27

**MINES**

| 20 | | | |
|---|---|---|---|

**RAPID FIRE BATTERIES**

| RF1 | None |
|---|---|
| Max Rg | |
| Eff Rg | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| 0 | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF2 | None |
|---|---|
| Max Rg | |
| Eff Rg | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| 0 | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF3 | None |
|---|---|
| Max Rg | |
| Eff Rg | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| Captain | |
|---|---|

| T# | BTTY | TARGET SHIP | SHELL | FCS | BR | H | RANGE | R | #RNDS | HITS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| Coal (ts) | 0 | Oil (ts) | 420 |
|---|---|---|---|
| Engines | 2 Parsons GT | | |
| Boilers | 4 Kampon | | |

| Radius (nm/kts) | |
|---|---|
| 3600 | 14 |
| | |

| Search Radar |
|---|
| None |
| None |

| ASW MORTARS/ATW | | | DEPTH CHARGES | | | |
|---|---|---|---|---|---|---|
| 0 | | | Rack | 0 | | |
| None | | | Ammo | 0 | | |

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# Kiyokaze (Kamikaze)

| TIER | DP |
|---|---|
| 1/70 | 68 |
| 2/80 | 136 |
| 3/75 | 204 |
| 4/85 | 272 |
| 5/80 | 340 |
| 6/90 | 401 |
| 7/85 | 462 |
| 8/95 | 524 |
| 9/90 | 585 |
| 10 | 646 |
| 10 | 687 |

| DP | 680 |
|---|---|
| KTS | 38 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Engine Rm | 1 | 38 | 0 | 0 | 0 | 0 | 0 |
| Prop/Shaft | 2 | 38 | 19 | 0 | 0 | 0 | 0 |
| Boiler Rm | 2 | 38 | 23 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 |

| Standard Turn | |
|---|---|
| 90 | |
| Emergency Turn | |
| 120 | |

| Target Sz | |
|---|---|
| 0 | |
| Searchlights | |
| Port | Stbd |

| Speed | 00-12 kt | 13-21 kt | 22-27 kt | 28-30 kt | 31+ kt | |
|---|---|---|---|---|---|---|
| Increase | 13.0 | 9.0 | 6.0 | 3.0 | 1.0 | |

| Crew |
|---|
| |

| Bridge Command Rating | Flag Command Rating | Damage Control (DCR) |
|---|---|---|
| | | 2 |

| Fuel Code | DD5D |
|---|---|

| ARMOR | 1.00 | Actual |
|---|---|---|
| 1H DECK | 0.0 | 0.0 |
| 2H TURRET | 0.0 | 0.0 |
| 3H SUPERSTR | 0.0 | 0.0 |
| 4V CON | 0.0 | 0.0 |
| 5V BELT MID | 0.0 | 0.0 |
| 6V BELT END | 0.0 | 0.0 |
| 7V BARBETTE | 0.0 | 0.0 |
| 8V TURRET | 0.0 | 0.0 |
| 9V SUPERSTR | 0.0 | 0.0 |

| T# | DE # | SEVERITY | DESCRIPTION |
|---|---|---|---|
| | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | CODE | ORDER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | *AF* | Obey signals from Flagship |
| | | | | | | | | | | | | | | | | | | | | *AI* | Independent Action |
| | | | | | | | | | | | | | | | | | | | | *AX* | Battle Stations! |
| | | | | | | | | | | | | | | | | | | | | *AA* | Abandon ship! |
| | | | | | | | | | | | | | | | | | | | | *AZ* | Strike colors |
| **COURSE AND SPEED** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **CA** | Midships steady |
| | | | | | | | | | | | | | | | | | | | | **CP #** | Alter course to PORT |
| | | | | | | | | | | | | | | | | | | | | **CS #** | Alter course to STARBOARD |
| | | | | | | | | | | | | | | | | | | | | **SF** | Ahead full |
| | | | | | | | | | | | | | | | | | | | | **SR#** | Revolutions for # knots |
| | | | | | | | | | | | | | | | | | | | | **SA** | Full astern |
| | | | | | | | | | | | | | | | | | | | | **SS** | All stop |
| **ILLUMINATION AND EVASION** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **EX** | Evasive action |
| | | | | | | | | | | | | | | | | | | | | **KX** | Lay smoke |
| | | | | | | | | | | | | | | | | | | | | **IS ##** | Illuminate using starshell |
| | | | | | | | | | | | | | | | | | | | | **IL #** | Illuminate using searchlight |
| **TORPEDO AND AIRCRAFT** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **TR (X)** | Prepare to launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **TL (X)** | Launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **VL** | Prepare to launch aircraft |
| | | | | | | | | | | | | | | | | | | | | **VX** | Launch aircraft |
| **PRIMARY BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **B1D** | Directed fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1V** | Coordinated fire |
| | | | | | | | | | | | | | | | | | | | | **B1L** | Local control as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1P** | Split fire |
| | | | | | | | | | | | | | | | | | | | | **B1C** | Change target |
| | | | | | | | | | | | | | | | | | | | | **B1B** | Barrage fire as range permits |
| **RF BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **R5B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R6B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R7B** | Barrage fire as range permits |

## LOSS OF SPEED DURING TURNS

| KTS | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STD | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 21.0 | 22.5 | 24.0 | 25.5 | 27.0 | 28.5 | 30.0 |
| E/EA | NA | NA | NA | NA | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 |

## TURNING SEGMENTS

| DEG OF TURN | SEGMENTS |
|---|---|
| TO 15 | 2 Segments* |
| 16 TO 45 | 2 Segments |
| 46 TO 90 | 3 Segments |
| 91 TO 135 | 4 Segments |
| 136 TO 180 | 5 Segments |

## SHIPBOARD FIRE TRACKING

| T# | Fire | Current Severity | | | | | T# | Fire | Current Severity | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

## FIGHTING SHIPBOARD FIRES

| NO DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-03 | -20 from severity |
| 04-12 | -10 from severity |
| 13-50 | No change |
| 51-85 | +10 to severity |
| 86-95 | +30 to severity |
| 96-00 | +40 to severity |

| DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-05 | Fire extinguished |
| 06-15 | -30 from severity |
| 16-45 | -20 from severity |
| 46-75 | -10 from severity |
| 76-90 | No change |
| 91-00 | +10 to severity |

# Kiyokaze (Kamikaze)

**DD JAPAN** 1942 to 1944

1766-1 KAMIKAZE Class

| | | | | | |
|---|---|---|---|---|---|
| *Displacement* | 1,500 ts | *Length* | 327 ft | Mitsubishi, Nagasaki | |
| *Complement* | 148 | *Beam* | 30 ft | *Launched* | 09/25/1922 |
| BU 10/00/1947 | | *Draft* | 9.6 ft | *Completed* | 12/28/1922 |

SEEKRIEG 5

**SHIP LOG SHEET**

*Version* 3/6/2009

**3 x 12cm/45 Type 10** | 12

| Max ROF | Range | Shell Size/Weight |
|---|---|---|
| 8.0 sh/min | 17,500 yds 35.0" | 4.7" 45.0 lbs. |

| Fire Control | FC Radar | |
|---|---|---|
| 1 1Q2 | None | + 0 |

| AP | SAP |
|---|---|
| COM | HE |

| AA | 2.1 | Level | V | Ammunition | 160 rpg | 480 |
|---|---|---|---|---|---|---|

**FIRE CONTROL TABLE**

| T Kts | Short | | Medium | | Long | | Extreme | |
|---|---|---|---|---|---|---|---|---|
| 0 - 9 | 14 | 9 | 9 | 6 | 7 | 4 | 6 | 4 |
| 10 - 18 | 10 | 6 | 7 | 4 | 5 | 3 | 4 | 3 |
| 19 - 27 | 8 | 5 | 5 | 3 | 4 | 3 | 3 | 2 |
| 28 - 36 | 7 | 4 | 5 | 3 | 3 | 2 | 3 | 2 |
| 37 - 45 | 6 | 4 | 4 | 3 | 3 | 2 | 3 | 2 |

**HE — PENETRATION TABLE**

| Yds | 2,000 | 4,000 | 6,000 | 8,000 | 10,000 | 12,000 | 15,000 | 18,000 | 21,000 | 24,000 | 27,000 | 30,000 | 33,000 | 36,000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ROF | 7.8 | 6.4 | 5.3 | 4.3 | 3.5 | 2.9 | 2.2 | 1.5 | | | | | | |
| Rge | S | S | S | M | M | L | E | E | | | | | | |
| H | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 1.2 | 1.7 | | | | | | |
| V | 3.6 | 2.6 | 1.9 | 1.5 | 1.3 | 1.2 | 1.1 | 1.2 | | | | | | |

| Crew | Sea | BR | Targ Sz | Ops |
|---|---|---|---|---|
| | | | 0 | |

**AIRCRAFT**

| Aircraft | 0 | Catapult | 0 |
|---|---|---|---|

**TORPEDOES**

| TT | 4 | Ammo | 4 |
|---|---|---|---|

53cm Type 6

| Damage Class | E |
|---|---|

Settings

7,600/36

11,000/32

17,000/27

1

2

**MINES**

0

**RAPID FIRE BATTERIES**

| RF1 | 10 | 25mm/60 Type 96 | | | |
|---|---|---|---|---|---|
| Max Rg | 7,440 | 14.9" | 7 | 5 | |
| Eff Rg | 3,348 | 6.7" | 11 | 8 | |

| RF | | | | | |
|---|---|---|---|---|---|
| 5 | Port | 5 | 4 | 3 | 2 | 1 |
| | Stbd | 5 | 4 | 3 | 2 | 1 |
| AA | Port | 20 | 16 | 11 | 7 | 3 |
| M | Stbd | 20 | 16 | 11 | 7 | 3 |

| RF2 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | | | | | |
|---|---|---|---|---|---|
| 0 | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF3 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | | | | | |
|---|---|---|---|---|---|
| | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| Coal (ts) | 0 | Oil (ts) | 420 |
|---|---|---|---|
| Engines | 2 Parsons GT | | |
| Boilers | 4 Kampon | | |

| Radius (nm/kts) | |
|---|---|
| 3600 | 14 |
| | |

| Search Radar |
|---|
| None |
| None |

| ASW MORTARS/ATW | | | DEPTH CHARGES | | | |
|---|---|---|---|---|---|---|
| 4 K-Guns | | | Rack | 0 | | |
| None | | | Ammo | 18 | | |

| Captain | |
|---|---|

| T# | BTTY | TARGET SHIP | SHELL | FCS | BR | H | RANGE | R | #RNDS | HITS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

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# Kiyokaze (Kamikaze)

| TIER | DP |
|---|---|
| 1/70 | 70 |
| 2/80 | 141 |
| 3/75 | 211 |
| 4/85 | 282 |
| 5/80 | 352 |
| 6/90 | 415 |
| 7/85 | 479 |
| 8/95 | 542 |
| 9/90 | 605 |
| 10 | 669 |
| 10 | 711 |

| DP | 704 |
|---|---|
| KTS | 35 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Engine Rm | 1 | 35 | 0 | 0 | 0 | 0 | 0 |
| Prop/Shaft | 2 | 35 | 18 | 0 | 0 | 0 | 0 |
| Boiler Rm | 2 | 35 | 22 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 |

| Standard Turn | |
|---|---|
| 90 | |
| Emergency Turn | |
| 120 | |

| Target Sz | |
|---|---|
| 0 | |
| Searchlights | |
| Port | Stbd |

| Speed | 00-10 kt | 11-17 kt | 18-22 kt | 23-25 kt | 26+ kt | |
|---|---|---|---|---|---|---|
| Increase | 11.0 | 8.0 | 5.0 | 3.0 | 1.0 | |

| Crew |
|---|
| |

| Bridge Command Rating | Flag Command Rating | Damage Control (DCR) |
|---|---|---|
| | | 2 |

| Fuel Code | DD5D |
|---|---|

| ARMOR | 1.00 | Actual |
|---|---|---|
| 1H DECK | 0.0 | 0.0 |
| 2H TURRET | 0.0 | 0.0 |
| 3H SUPERSTR | 0.0 | 0.0 |
| 4V CON | 0.0 | 0.0 |
| 5V BELT MID | 0.0 | 0.0 |
| 6V BELT END | 0.0 | 0.0 |
| 7V BARBETTE | 0.0 | 0.0 |
| 8V TURRET | 0.0 | 0.0 |
| 9V SUPERSTR | 0.0 | 0.0 |

| T# | DE # | SEVERITY | DESCRIPTION |
|---|---|---|---|
| | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | CODE | ORDER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | *AF* | Obey signals from Flagship |
| | | | | | | | | | | | | | | | | | | | | *AI* | Independent Action |
| | | | | | | | | | | | | | | | | | | | | *AX* | Battle Stations! |
| | | | | | | | | | | | | | | | | | | | | *AA* | Abandon ship! |
| | | | | | | | | | | | | | | | | | | | | *AZ* | Strike colors |
| **COURSE AND SPEED** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **CA** | Midships steady |
| | | | | | | | | | | | | | | | | | | | | **CP #** | Alter course to PORT |
| | | | | | | | | | | | | | | | | | | | | **CS #** | Alter course to STARBOARD |
| | | | | | | | | | | | | | | | | | | | | **SF** | Ahead full |
| | | | | | | | | | | | | | | | | | | | | **SR#** | Revolutions for # knots |
| | | | | | | | | | | | | | | | | | | | | **SA** | Full astern |
| | | | | | | | | | | | | | | | | | | | | **SS** | All stop |
| **ILLUMINATION AND EVASION** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **EX** | Evasive action |
| | | | | | | | | | | | | | | | | | | | | **KX** | Lay smoke |
| | | | | | | | | | | | | | | | | | | | | **IS ##** | Illuminate using starshell |
| | | | | | | | | | | | | | | | | | | | | **IL #** | Illuminate using searchlight |
| **TORPEDO AND AIRCRAFT** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **TR (X)** | Prepare to launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **TL (X)** | Launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **VL** | Prepare to launch aircraft |
| | | | | | | | | | | | | | | | | | | | | **VX** | Launch aircraft |
| **PRIMARY BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **B1D** | Directed fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1V** | Coordinated fire |
| | | | | | | | | | | | | | | | | | | | | **B1L** | Local control as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1P** | Split fire |
| | | | | | | | | | | | | | | | | | | | | **B1C** | Change target |
| | | | | | | | | | | | | | | | | | | | | **B1B** | Barrage fire as range permits |
| **RF BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **R5B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R6B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R7B** | Barrage fire as range permits |

## LOSS OF SPEED DURING TURNS

| KTS | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STD | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 21.0 | 22.5 | 24.0 | 25.5 | 27.0 | 28.5 | 30.0 |
| E/EA | NA | NA | NA | NA | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 |

## TURNING SEGMENTS

| DEG OF TURN | SEGMENTS |
|---|---|
| TO 15 | 2 Segments* |
| 16 TO 45 | 2 Segments |
| 46 TO 90 | 3 Segments |
| 91 TO 135 | 4 Segments |
| 136 TO 180 | 5 Segments |

## SHIPBOARD FIRE TRACKING

| T# | Fire | Current Severity | | | | | T# | Fire | Current Severity | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

## FIGHTING SHIPBOARD FIRES

| NO DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-03 | -20 from severity |
| 04-12 | -10 from severity |
| 13-50 | No change |
| 51-85 | +10 to severity |
| 86-95 | +30 to severity |
| 96-00 | +40 to severity |

| DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-05 | Fire extinguished |
| 06-15 | -30 from severity |
| 16-45 | -20 from severity |
| 46-75 | -10 from severity |
| 76-90 | No change |
| 91-00 | +10 to severity |

# Makaze (Harukaze)

**DD JAPAN** 1923 to 1941

1768-0 KAMIKAZE Class

| | | | | | |
|---|---|---|---|---|---|
| *Displacement* | 1,400 ts | *Length* | 327 ft | Maizuru Navy Yard | |
| *Complement* | 148 | *Beam* | 30 ft | *Launched* | 12/18/1922 |
| BU 00/00/1947 | | *Draft* | 9.6 ft | *Completed* | 05/31/1923 |

SEEKRIEG 5

**SHIP LOG SHEET**

*Version* 3/6/2009

**4 x 12cm/45 Type 10** — 12

| Max ROF | Range | Shell Size/Weight |
|---|---|---|
| 8.0 sh/min | 17,500 yds 35.0" | 4.7" 45.0 lbs. |

| Fire Control | FC Radar | |
|---|---|---|
| 1 1Q2 | None | + 0 |

| AP | SAP |
|---|---|
| COM | HE |

| AA | 2.1 | Level | V | Ammunition | 160 rpg | 640 |
|---|---|---|---|---|---|---|

**FIRE CONTROL TABLE**

| T Kts | Short | | Medium | | Long | | Extreme | |
|---|---|---|---|---|---|---|---|---|
| 0 - 9 | 14 | 9 | 9 | 6 | 7 | 4 | 6 | 4 |
| 10 - 18 | 10 | 6 | 7 | 4 | 5 | 3 | 4 | 3 |
| 19 - 27 | 8 | 5 | 5 | 3 | 4 | 3 | 3 | 2 |
| 28 - 36 | 7 | 4 | 5 | 3 | 3 | 2 | 3 | 2 |
| 37 - 45 | 6 | 4 | 4 | 3 | 3 | 2 | 3 | 2 |

**HE — PENETRATION TABLE**

| Yds | 2,000 | 4,000 | 6,000 | 8,000 | 10,000 | 12,000 | 15,000 | 18,000 | 21,000 | 24,000 | 27,000 | 30,000 | 33,000 | 36,000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ROF | 7.8 | 6.4 | 5.3 | 4.3 | 3.5 | 2.9 | 2.2 | 1.5 | | | | | | |
| Rge | S | S | S | M | M | L | E | E | | | | | | |
| H | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 1.2 | 1.7 | | | | | | |
| V | 3.6 | 2.6 | 1.9 | 1.5 | 1.3 | 1.2 | 1.1 | 1.2 | | | | | | |

| Crew | Sea | BR | Targ Sz | Ops |
|---|---|---|---|---|
| | | | 0 | |

**AIRCRAFT**

| Aircraft | 0 | Catapult | 0 |
|---|---|---|---|

**TORPEDOES**

| TT | 6 | Ammo | 6 |
|---|---|---|---|

53cm Type 6

| Damage Class | E |
|---|---|

Settings

- 7,600/36
- 11,000/32
- 17,000/27

**MINES**

| 20 | | | |
|---|---|---|---|

**RAPID FIRE BATTERIES**

| RF1 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | Port | | | | | |
|---|---|---|---|---|---|---|
| 0 | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF2 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | Port | | | | | |
|---|---|---|---|---|---|---|
| 0 | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF3 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | Port | | | | | |
|---|---|---|---|---|---|---|
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| Coal (ts) | 0 | Oil (ts) | 420 |
|---|---|---|---|
| Engines | 2 Parsons GT | | |
| Boilers | 4 Kampon | | |

| Radius (nm/kts) | |
|---|---|
| 3600 | 14 |

| Search Radar |
|---|
| None |
| None |

| ASW MORTARS/ATW | | | DEPTH CHARGES | | | |
|---|---|---|---|---|---|---|
| 0 | | | Rack | 0 | | |
| None | | | Ammo | 0 | | |

| Captain | |
|---|---|

| T# | BTTY | TARGET SHIP | SHELL | FCS | BR | H | RANGE | R | #RNDS | HITS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

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# Makaze (Harukaze)

| TIER | DP |
|---|---|
| 1/70 | 68 |
| 2/80 | 136 |
| 3/75 | 204 |
| 4/85 | 272 |
| 5/80 | 340 |
| 6/90 | 401 |
| 7/85 | 462 |
| 8/95 | 524 |
| 9/90 | 585 |
| 10 | 646 |
| 10 | 687 |

| DP | 680 |
|---|---|
| KTS | 38 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Engine Rm | 1 | 38 | 0 | 0 | 0 | 0 | 0 |
| Prop/Shaft | 2 | 38 | 19 | 0 | 0 | 0 | 0 |
| Boiler Rm | 2 | 38 | 23 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 |

| Standard Turn | |
|---|---|
| 90 | |
| Emergency Turn | |
| 120 | |

| Target Sz | |
|---|---|
| 0 | |
| Searchlights | |
| Port | Stbd |

| Speed | 00-12 kt | 13-21 kt | 22-27 kt | 28-30 kt | 31+ kt | |
|---|---|---|---|---|---|---|
| Increase | 13.0 | 9.0 | 6.0 | 3.0 | 1.0 | |

| Crew |
|---|
| |

| Bridge Command Rating | Flag Command Rating | Damage Control (DCR) |
|---|---|---|
| | | 2 |

| Fuel Code | DD5D |
|---|---|

| ARMOR | 1.00 | Actual |
|---|---|---|
| 1H DECK | 0.0 | 0.0 |
| 2H TURRET | 0.0 | 0.0 |
| 3H SUPERSTR | 0.0 | 0.0 |
| 4V CON | 0.0 | 0.0 |
| 5V BELT MID | 0.0 | 0.0 |
| 6V BELT END | 0.0 | 0.0 |
| 7V BARBETTE | 0.0 | 0.0 |
| 8V TURRET | 0.0 | 0.0 |
| 9V SUPERSTR | 0.0 | 0.0 |

| T# | DE # | SEVERITY | DESCRIPTION |
|---|---|---|---|
| | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | CODE | ORDER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | *AF* | Obey signals from Flagship |
| | | | | | | | | | | | | | | | | | | | | *AI* | Independent Action |
| | | | | | | | | | | | | | | | | | | | | *AX* | Battle Stations! |
| | | | | | | | | | | | | | | | | | | | | *AA* | Abandon ship! |
| | | | | | | | | | | | | | | | | | | | | *AZ* | Strike colors |
| **COURSE AND SPEED** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **CA** | Midships steady |
| | | | | | | | | | | | | | | | | | | | | **CP #** | Alter course to PORT |
| | | | | | | | | | | | | | | | | | | | | **CS #** | Alter course to STARBOARD |
| | | | | | | | | | | | | | | | | | | | | **SF** | Ahead full |
| | | | | | | | | | | | | | | | | | | | | **SR#** | Revolutions for # knots |
| | | | | | | | | | | | | | | | | | | | | **SA** | Full astern |
| | | | | | | | | | | | | | | | | | | | | **SS** | All stop |
| **ILLUMINATION AND EVASION** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **EX** | Evasive action |
| | | | | | | | | | | | | | | | | | | | | **KX** | Lay smoke |
| | | | | | | | | | | | | | | | | | | | | **IS ##** | Illuminate using starshell |
| | | | | | | | | | | | | | | | | | | | | **IL #** | Illuminate using searchlight |
| **TORPEDO AND AIRCRAFT** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **TR (X)** | Prepare to launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **TL (X)** | Launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **VL** | Prepare to launch aircraft |
| | | | | | | | | | | | | | | | | | | | | **VX** | Launch aircraft |
| **PRIMARY BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **B1D** | Directed fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1V** | Coordinated fire |
| | | | | | | | | | | | | | | | | | | | | **B1L** | Local control as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1P** | Split fire |
| | | | | | | | | | | | | | | | | | | | | **B1C** | Change target |
| | | | | | | | | | | | | | | | | | | | | **B1B** | Barrage fire as range permits |
| **RF BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **R5B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R6B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R7B** | Barrage fire as range permits |

## LOSS OF SPEED DURING TURNS

| KTS | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STD | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 21.0 | 22.5 | 24.0 | 25.5 | 27.0 | 28.5 | 30.0 |
| E/EA | NA | NA | NA | NA | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 |

## TURNING SEGMENTS

| DEG OF TURN | SEGMENTS |
|---|---|
| TO 15 | 2 Segments* |
| 16 TO 45 | 2 Segments |
| 46 TO 90 | 3 Segments |
| 91 TO 135 | 4 Segments |
| 136 TO 180 | 5 Segments |

## SHIPBOARD FIRE TRACKING

| T# | Fire | Current Severity | | | | | T# | Fire | Current Severity | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

## FIGHTING SHIPBOARD FIRES

| NO DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-03 | -20 from severity |
| 04-12 | -10 from severity |
| 13-50 | No change |
| 51-85 | +10 to severity |
| 86-95 | +30 to severity |
| 96-00 | +40 to severity |

| DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-05 | Fire extinguished |
| 06-15 | -30 from severity |
| 16-45 | -20 from severity |
| 46-75 | -10 from severity |
| 76-90 | No change |
| 91-00 | +10 to severity |

# Makaze (Harukaze)

**DD JAPAN** 1942 to 1944

1768-1 KAMIKAZE Class

| | | | | | |
|---|---|---|---|---|---|
| *Displacement* | 1,500 ts | *Length* | 327 ft | Maizuru Navy Yard | |
| *Complement* | 148 | *Beam* | 30 ft | *Launched* | 12/18/1922 |
| BU 00/00/1947 | | *Draft* | 9.6 ft | *Completed* | 05/31/1923 |

SEEKRIEG 5

**SHIP LOG SHEET**

*Version* 3/6/2009

**3 x 12cm/45 Type 10** — 12

| Max ROF | Range | Shell Size/Weight |
|---|---|---|
| 8.0 sh/min | 17,500 yds 35.0" | 4.7" 45.0 lbs. |

| Fire Control | FC Radar | |
|---|---|---|
| 1 1Q2 | None | + 0 |

| AP | SAP |
|---|---|
| COM | HE |

| AA | 2.1 | Level | V | Ammunition | 160 rpg | 480 |
|---|---|---|---|---|---|---|

**FIRE CONTROL TABLE**

| T Kts | Short | | Medium | | Long | | Extreme | |
|---|---|---|---|---|---|---|---|---|
| 0 - 9 | 14 | 9 | 9 | 6 | 7 | 4 | 6 | 4 |
| 10 - 18 | 10 | 6 | 7 | 4 | 5 | 3 | 4 | 3 |
| 19 - 27 | 8 | 5 | 5 | 3 | 4 | 3 | 3 | 2 |
| 28 - 36 | 7 | 4 | 5 | 3 | 3 | 2 | 3 | 2 |
| 37 - 45 | 6 | 4 | 4 | 3 | 3 | 2 | 3 | 2 |

**HE — PENETRATION TABLE**

| Yds | 2,000 | 4,000 | 6,000 | 8,000 | 10,000 | 12,000 | 15,000 | 18,000 | 21,000 | 24,000 | 27,000 | 30,000 | 33,000 | 36,000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ROF | 7.8 | 6.4 | 5.3 | 4.3 | 3.5 | 2.9 | 2.2 | 1.5 | | | | | | |
| Rge | S | S | S | M | M | L | E | E | | | | | | |
| H | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 1.2 | 1.7 | | | | | | |
| V | 3.6 | 2.6 | 1.9 | 1.5 | 1.3 | 1.2 | 1.1 | 1.2 | | | | | | |

| Crew | Sea | BR | Targ Sz | Ops |
|---|---|---|---|---|
| | | | 0 | |

**AIRCRAFT**

| Aircraft | 0 | Catapult | 0 |
|---|---|---|---|

1

2

**TORPEDOES**

| TT | 4 | Ammo | 4 |
|---|---|---|---|

53cm Type 6

| Damage Class | E |
|---|---|

Settings

7,600/36

11,000/32

17,000/27

**MINES**

0

**RAPID FIRE BATTERIES**

| RF1 | 10 | 25mm/60 Type 96 | | | |
|---|---|---|---|---|---|
| Max Rg | 7,440 | 14.9" | 7 | 5 | |
| Eff Rg | 3,348 | 6.7" | 11 | 8 | |

| RF | | | | | |
|---|---|---|---|---|---|
| 5 | Port | 5 | 4 | 3 | 2 | 1 |
| | Stbd | 5 | 4 | 3 | 2 | 1 |
| AA | Port | 20 | 16 | 11 | 7 | 3 |
| M | Stbd | 20 | 16 | 11 | 7 | 3 |

| RF2 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | | | | | |
|---|---|---|---|---|---|
| 0 | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF3 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | | | | | |
|---|---|---|---|---|---|
| | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| Captain | |
|---|---|

| T# | BTTY | TARGET SHIP | SHELL | FCS | BR | H | RANGE | R | #RNDS | HITS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| Coal (ts) | 0 | Oil (ts) | 420 |
|---|---|---|---|
| Engines | 2 Parsons GT | | |
| Boilers | 4 Kampon | | |

| Radius (nm/kts) | |
|---|---|
| 3600 | 14 |

| Search Radar |
|---|
| None |
| None |

| ASW MORTARS/ATW | | | DEPTH CHARGES | | | |
|---|---|---|---|---|---|---|
| 4 K-Guns | | | Rack | 0 | | |
| None | | | Ammo | 18 | | |

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# Makaze (Harukaze)

| TIER | DP |
|---|---|
| 1/70 | 70 |
| 2/80 | 141 |
| 3/75 | 211 |
| 4/85 | 282 |
| 5/80 | 352 |
| 6/90 | 415 |
| 7/85 | 479 |
| 8/95 | 542 |
| 9/90 | 605 |
| 10 | 669 |
| 10 | 711 |

| DP | 704 |
|---|---|
| KTS | 35 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Engine Rm | 1 | 35 | 0 | 0 | 0 | 0 | 0 |
| Prop/Shaft | 2 | 35 | 18 | 0 | 0 | 0 | 0 |
| Boiler Rm | 2 | 35 | 22 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 |

| Standard Turn | |
|---|---|
| 90 | |
| Emergency Turn | |
| 120 | |

| Target Sz | |
|---|---|
| 0 | |
| Searchlights | |
| Port | Stbd |

| Speed | 00-10 kt | 11-17 kt | 18-22 kt | 23-25 kt | 26+ kt | |
|---|---|---|---|---|---|---|
| Increase | 11.0 | 8.0 | 5.0 | 3.0 | 1.0 | |

| Crew |
|---|
| |

| Bridge Command Rating | Flag Command Rating | Damage Control (DCR) |
|---|---|---|
| | | 2 |

| Fuel Code | DD5D |
|---|---|

| ARMOR | 1.00 | Actual |
|---|---|---|
| 1H DECK | 0.0 | 0.0 |
| 2H TURRET | 0.0 | 0.0 |
| 3H SUPERSTR | 0.0 | 0.0 |
| 4V CON | 0.0 | 0.0 |
| 5V BELT MID | 0.0 | 0.0 |
| 6V BELT END | 0.0 | 0.0 |
| 7V BARBETTE | 0.0 | 0.0 |
| 8V TURRET | 0.0 | 0.0 |
| 9V SUPERSTR | 0.0 | 0.0 |

| T# | DE # | SEVERITY | DESCRIPTION |
|---|---|---|---|
| | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | CODE | ORDER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | *AF* | Obey signals from Flagship |
| | | | | | | | | | | | | | | | | | | | | *AI* | Independent Action |
| | | | | | | | | | | | | | | | | | | | | *AX* | Battle Stations! |
| | | | | | | | | | | | | | | | | | | | | *AA* | Abandon ship! |
| | | | | | | | | | | | | | | | | | | | | *AZ* | Strike colors |
| **COURSE AND SPEED** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **CA** | Midships steady |
| | | | | | | | | | | | | | | | | | | | | **CP #** | Alter course to PORT |
| | | | | | | | | | | | | | | | | | | | | **CS #** | Alter course to STARBOARD |
| | | | | | | | | | | | | | | | | | | | | **SF** | Ahead full |
| | | | | | | | | | | | | | | | | | | | | **SR#** | Revolutions for # knots |
| | | | | | | | | | | | | | | | | | | | | **SA** | Full astern |
| | | | | | | | | | | | | | | | | | | | | **SS** | All stop |
| **ILLUMINATION AND EVASION** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **EX** | Evasive action |
| | | | | | | | | | | | | | | | | | | | | **KX** | Lay smoke |
| | | | | | | | | | | | | | | | | | | | | **IS ##** | Illuminate using starshell |
| | | | | | | | | | | | | | | | | | | | | **IL #** | Illuminate using searchlight |
| **TORPEDO AND AIRCRAFT** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **TR (X)** | Prepare to launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **TL (X)** | Launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **VL** | Prepare to launch aircraft |
| | | | | | | | | | | | | | | | | | | | | **VX** | Launch aircraft |
| **PRIMARY BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **B1D** | Directed fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1V** | Coordinated fire |
| | | | | | | | | | | | | | | | | | | | | **B1L** | Local control as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1P** | Split fire |
| | | | | | | | | | | | | | | | | | | | | **B1C** | Change target |
| | | | | | | | | | | | | | | | | | | | | **B1B** | Barrage fire as range permits |
| **RF BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **R5B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R6B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R7B** | Barrage fire as range permits |

## LOSS OF SPEED DURING TURNS

| KTS | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STD | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 21.0 | 22.5 | 24.0 | 25.5 | 27.0 | 28.5 | 30.0 |
| E/EA | NA | NA | NA | NA | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 |

## TURNING SEGMENTS

| DEG OF TURN | SEGMENTS |
|---|---|
| TO 15 | 2 Segments* |
| 16 TO 45 | 2 Segments |
| 46 TO 90 | 3 Segments |
| 91 TO 135 | 4 Segments |
| 136 TO 180 | 5 Segments |

## SHIPBOARD FIRE TRACKING

| T# | Fire | Current Severity | | | | | T# | Fire | Current Severity | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

## FIGHTING SHIPBOARD FIRES

| NO DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-03 | -20 from severity |
| 04-12 | -10 from severity |
| 13-50 | No change |
| 51-85 | +10 to severity |
| 86-95 | +30 to severity |
| 96-00 | +40 to severity |

| DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-05 | Fire extinguished |
| 06-15 | -30 from severity |
| 16-45 | -20 from severity |
| 46-75 | -10 from severity |
| 76-90 | No change |
| 91-00 | +10 to severity |

# No. 11 (Oite)

**DD JAPAN** 1925 to 1941

1771-0 KAMIKAZE Class

| | | | | | |
|---|---|---|---|---|---|
| *Displacement* | 1,400 ts | *Length* | 327 ft | Uraga, Tokyo | |
| *Complement* | 148 | *Beam* | 30 ft | *Launched* | 11/27/1924 |
| Sunk 02/17/1944 | | *Draft* | 9.6 ft | *Completed* | 10/30/1925 |

SEEKRIEG 5

**SHIP LOG SHEET**

*Version* 3/6/2009

**4 x 12cm/45 Type 10** | 12

| Max ROF | Range | Shell Size/Weight |
|---|---|---|
| 8.0 sh/min | 17,500 yds 35.0" | 4.7" 45.0 lbs. |

| Fire Control | FC Radar | |
|---|---|---|
| 1 1Q2 | None | + 0 |

| AP | SAP |
|---|---|
| COM | HE |

| AA | 2.1 | Level | V | Ammunition | 160 rpg | 640 |
|---|---|---|---|---|---|---|

**FIRE CONTROL TABLE**

| T Kts | Short | | Medium | | Long | | Extreme | |
|---|---|---|---|---|---|---|---|---|
| 0 - 9 | 14 | 9 | 9 | 6 | 7 | 4 | 6 | 4 |
| 10 - 18 | 10 | 6 | 7 | 4 | 5 | 3 | 4 | 3 |
| 19 - 27 | 8 | 5 | 5 | 3 | 4 | 3 | 3 | 2 |
| 28 - 36 | 7 | 4 | 5 | 3 | 3 | 2 | 3 | 2 |
| 37 - 45 | 6 | 4 | 4 | 3 | 3 | 2 | 3 | 2 |

**HE — PENETRATION TABLE**

| Yds | 2,000 | 4,000 | 6,000 | 8,000 | 10,000 | 12,000 | 15,000 | 18,000 | 21,000 | 24,000 | 27,000 | 30,000 | 33,000 | 36,000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ROF | 7.8 | 6.4 | 5.3 | 4.3 | 3.5 | 2.9 | 2.2 | 1.5 | | | | | | |
| Rge | S | S | S | M | M | L | E | E | | | | | | |
| H | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 1.2 | 1.7 | | | | | | |
| V | 3.6 | 2.6 | 1.9 | 1.5 | 1.3 | 1.2 | 1.1 | 1.2 | | | | | | |

| Crew | Sea | BR | Targ Sz | Ops |
|---|---|---|---|---|
| | | | 0 | |

**AIRCRAFT**

| Aircraft | 0 | Catapult | 0 |
|---|---|---|---|

**TORPEDOES**

| TT | 6 | Ammo | 6 |
|---|---|---|---|

53cm Type 6

| Damage Class | E |
|---|---|

Settings

- 7,600/36
- 11,000/32
- 17,000/27

1 2 3

**MINES**

20

**RAPID FIRE BATTERIES**

| RF1 | None |
|---|---|
| Max Rg | |
| Eff Rg | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| 0 | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF2 | None |
|---|---|
| Max Rg | |
| Eff Rg | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| 0 | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF3 | None |
|---|---|
| Max Rg | |
| Eff Rg | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

Captain

| T# | BTTY | TARGET SHIP | SHELL | FCS | BR | H | RANGE | R | #RNDS | HITS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| Coal (ts) | 0 | Oil (ts) | 420 |
|---|---|---|---|
| Engines | 2 Parsons GT | | |
| Boilers | 4 Kampon | | |

| Radius (nm/kts) | |
|---|---|
| 3600 | 14 |

| Search Radar |
|---|
| None |
| None |

| ASW MORTARS/ATW | | |
|---|---|---|
| 0 | | |
| None | | |

| DEPTH CHARGES | | | |
|---|---|---|---|
| Rack | 0 | | |
| Ammo | 0 | | |

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| TIER | DP |
|---|---|
| 1/70 | 68 |
| 2/80 | 136 |
| 3/75 | 204 |
| 4/85 | 272 |
| 5/80 | 340 |
| 6/90 | 401 |
| 7/85 | 462 |
| 8/95 | 524 |
| 9/90 | 585 |
| 10 | 646 |
| 10 | 687 |

| DP | 680 |
|---|---|
| KTS | 38 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Engine Rm | 1 | 38 | 0 | 0 | 0 | 0 | 0 |
| Prop/Shaft | 2 | 38 | 19 | 0 | 0 | 0 | 0 |
| Boiler Rm | 2 | 38 | 23 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 |

| Standard Turn | |
|---|---|
| 90 | |
| Emergency Turn | |
| 120 | |

| Target Sz | |
|---|---|
| 0 | |
| Searchlights | |
| Port | Stbd |

| Speed | 00-12 kt | 13-21 kt | 22-27 kt | 28-30 kt | 31+ kt | |
|---|---|---|---|---|---|---|
| Increase | 13.0 | 9.0 | 6.0 | 3.0 | 1.0 | |

| Crew |
|---|
| |

| Bridge Command Rating | Flag Command Rating | Damage Control (DCR) |
|---|---|---|
| | | 2 |

| Fuel Code | DD5D |
|---|---|

| ARMOR | 1.00 | Actual |
|---|---|---|
| 1H DECK | 0.0 | 0.0 |
| 2H TURRET | 0.0 | 0.0 |
| 3H SUPERSTR | 0.0 | 0.0 |
| 4V CON | 0.0 | 0.0 |
| 5V BELT MID | 0.0 | 0.0 |
| 6V BELT END | 0.0 | 0.0 |
| 7V BARBETTE | 0.0 | 0.0 |
| 8V TURRET | 0.0 | 0.0 |
| 9V SUPERSTR | 0.0 | 0.0 |

# No. 11 (Oite)

| T# | DE # | SEVERITY | DESCRIPTION |
|---|---|---|---|
| | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | CODE | ORDER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | *AF* | Obey signals from Flagship |
| | | | | | | | | | | | | | | | | | | | | *AI* | Independent Action |
| | | | | | | | | | | | | | | | | | | | | *AX* | Battle Stations! |
| | | | | | | | | | | | | | | | | | | | | *AA* | Abandon ship! |
| | | | | | | | | | | | | | | | | | | | | *AZ* | Strike colors |
| **COURSE AND SPEED** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | CA | Midships steady |
| | | | | | | | | | | | | | | | | | | | | CP # | Alter course to PORT |
| | | | | | | | | | | | | | | | | | | | | CS # | Alter course to STARBOARD |
| | | | | | | | | | | | | | | | | | | | | SF | Ahead full |
| | | | | | | | | | | | | | | | | | | | | SR# | Revolutions for # knots |
| | | | | | | | | | | | | | | | | | | | | SA | Full astern |
| | | | | | | | | | | | | | | | | | | | | SS | All stop |
| **ILLUMINATION AND EVASION** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | EX | Evasive action |
| | | | | | | | | | | | | | | | | | | | | KX | Lay smoke |
| | | | | | | | | | | | | | | | | | | | | IS ## | Illuminate using starshell |
| | | | | | | | | | | | | | | | | | | | | IL # | Illuminate using searchlight |
| **TORPEDO AND AIRCRAFT** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | TR (X) | Prepare to launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | TL (X) | Launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | VL | Prepare to launch aircraft |
| | | | | | | | | | | | | | | | | | | | | VX | Launch aircraft |
| **PRIMARY BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | B1D | Directed fire as range permits |
| | | | | | | | | | | | | | | | | | | | | B1V | Coordinated fire |
| | | | | | | | | | | | | | | | | | | | | B1L | Local control as range permits |
| | | | | | | | | | | | | | | | | | | | | B1P | Split fire |
| | | | | | | | | | | | | | | | | | | | | B1C | Change target |
| | | | | | | | | | | | | | | | | | | | | B1B | Barrage fire as range permits |
| **RF BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | R5B | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | R6B | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | R7B | Barrage fire as range permits |

## LOSS OF SPEED DURING TURNS

| KTS | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STD | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 21.0 | 22.5 | 24.0 | 25.5 | 27.0 | 28.5 | 30.0 |
| E/EA | NA | NA | NA | NA | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 |

## TURNING SEGMENTS

| DEG OF TURN | SEGMENTS |
|---|---|
| TO 15 | 2 Segments* |
| 16 TO 45 | 2 Segments |
| 46 TO 90 | 3 Segments |
| 91 TO 135 | 4 Segments |
| 136 TO 180 | 5 Segments |

## SHIPBOARD FIRE TRACKING

| T# | Fire | Current Severity | | | | | T# | Fire | Current Severity | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

## FIGHTING SHIPBOARD FIRES

| NO DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-03 | -20 from severity |
| 04-12 | -10 from severity |
| 13-50 | No change |
| 51-85 | +10 to severity |
| 86-95 | +30 to severity |
| 96-00 | +40 to severity |

| DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-05 | Fire extinguished |
| 06-15 | -30 from severity |
| 16-45 | -20 from severity |
| 46-75 | -10 from severity |
| 76-90 | No change |
| 91-00 | +10 to severity |

# No. 11 (Oite)

**DD JAPAN** 1942 to 1944

1771-1 KAMIKAZE Class

| | | | | | |
|---|---|---|---|---|---|
| *Displacement* | 1,500 ts | *Length* | 327 ft | Uraga, Tokyo | |
| *Complement* | 148 | *Beam* | 30 ft | *Launched* | 11/27/1924 |
| Sunk 02/17/1944 | | *Draft* | 9.6 ft | *Completed* | 10/30/1925 |

SEEKRIEG 5

**SHIP LOG SHEET**

*Version* 3/6/2009

**3 x 12cm/45 Type 10** | 12

| Max ROF | Range | Shell Size/Weight |
|---|---|---|
| 8.0 sh/min | 17,500 yds 35.0" | 4.7" 45.0 lbs. |

| Fire Control | FC Radar | |
|---|---|---|
| 1 1Q2 | None | + 0 |

| AP | SAP |
|---|---|
| COM | HE |

| AA | 2.1 | Level | V | Ammunition | 160 rpg | 480 |
|---|---|---|---|---|---|---|

**FIRE CONTROL TABLE**

| T Kts | Short | | Medium | | Long | | Extreme | |
|---|---|---|---|---|---|---|---|---|
| 0 - 9 | 14 | 9 | 9 | 6 | 7 | 4 | 6 | 4 |
| 10 - 18 | 10 | 6 | 7 | 4 | 5 | 3 | 4 | 3 |
| 19 - 27 | 8 | 5 | 5 | 3 | 4 | 3 | 3 | 2 |
| 28 - 36 | 7 | 4 | 5 | 3 | 3 | 2 | 3 | 2 |
| 37 - 45 | 6 | 4 | 4 | 3 | 3 | 2 | 3 | 2 |

**HE — PENETRATION TABLE**

| Yds | 2,000 | 4,000 | 6,000 | 8,000 | 10,000 | 12,000 | 15,000 | 18,000 | 21,000 | 24,000 | 27,000 | 30,000 | 33,000 | 36,000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ROF | 7.8 | 6.4 | 5.3 | 4.3 | 3.5 | 2.9 | 2.2 | 1.5 | | | | | | |
| Rge | S | S | S | M | M | L | E | E | | | | | | |
| H | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 1.2 | 1.7 | | | | | | |
| V | 3.6 | 2.6 | 1.9 | 1.5 | 1.3 | 1.2 | 1.1 | 1.2 | | | | | | |

| Crew | Sea | BR | Targ Sz | Ops |
|---|---|---|---|---|
| | | | 0 | |

**AIRCRAFT**

| Aircraft | 0 | Catapult | 0 |
|---|---|---|---|

**TORPEDOES**

| TT | 4 | Ammo | 4 |
|---|---|---|---|

53cm Type 6

| Damage Class | E |
|---|---|

Settings

7,600/36

11,000/32

17,000/27

1

2

**MINES**

0

**RAPID FIRE BATTERIES**

| RF1 | 10 | 25mm/60 Type 96 | | | |
|---|---|---|---|---|---|
| Max Rg | 7,440 | 14.9" | 7 | 5 | |
| Eff Rg | 3,348 | 6.7" | 11 | 8 | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| 5 | Port | 5 | 4 | 3 | 2 | 1 |
| | Stbd | 5 | 4 | 3 | 2 | 1 |
| AA | Port | 20 | 16 | 11 | 7 | 3 |
| M | Stbd | 20 | 16 | 11 | 7 | 3 |

| RF2 | | None | | | |
|---|---|---|---|---|---|
| Max Rg | | | | | |
| Eff Rg | | | | | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| 0 | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF3 | | None | | | |
|---|---|---|---|---|---|
| Max Rg | | | | | |
| Eff Rg | | | | | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| Captain | |
|---|---|

| T# | BTTY | TARGET SHIP | SHELL | FCS | BR | H | RANGE | R | #RNDS | HITS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| Coal (ts) | 0 | Oil (ts) | 420 |
|---|---|---|---|
| Engines | 2 Parsons GT | | |
| Boilers | 4 Kampon | | |

| Radius (nm/kts) | |
|---|---|
| 3600 | 14 |

| Search Radar |
|---|
| None |
| None |

| ASW MORTARS/ATW | | | DEPTH CHARGES | | | |
|---|---|---|---|---|---|---|
| 4 K-Guns | | | Rack | 0 | | |
| None | | | Ammo | 18 | | |

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| TIER | DP |
|---|---|
| 1/70 | 70 |
| 2/80 | 141 |
| 3/75 | 211 |
| 4/85 | 282 |
| 5/80 | 352 |
| 6/90 | 415 |
| 7/85 | 479 |
| 8/95 | 542 |
| 9/90 | 605 |
| 10 | 669 |
| 10 | 711 |

| DP | 704 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| KTS | 35 | | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Engine Rm | 1 | 35 | 0 | 0 | 0 | 0 | 0 |
| Prop/Shaft | 2 | 35 | 18 | 0 | 0 | 0 | 0 |
| Boiler Rm | 2 | 35 | 22 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 |

| Standard Turn | |
|---|---|
| 90 | |
| Emergency Turn | |
| 120 | |

| Target Sz | |
|---|---|
| 0 | |
| Searchlights | |
| Port | Stbd |

| Speed | 00-10 kt | 11-17 kt | 18-22 kt | 23-25 kt | 26+ kt | |
|---|---|---|---|---|---|---|
| Increase | 11.0 | 8.0 | 5.0 | 3.0 | 1.0 | |

| Crew |
|---|
| |

| Bridge Command Rating | | | | |
|---|---|---|---|---|
| | | | | |

| Flag Command Rating | | | | |
|---|---|---|---|---|
| | | | | |

| Damage Control (DCR) | | | | |
|---|---|---|---|---|
| 2 | | | | |

| Fuel Code | DD5D |
|---|---|

| ARMOR | 1.00 | Actual |
|---|---|---|
| 1H DECK | 0.0 | 0.0 |
| 2H TURRET | 0.0 | 0.0 |
| 3H SUPERSTR | 0.0 | 0.0 |
| 4V CON | 0.0 | 0.0 |
| 5V BELT MID | 0.0 | 0.0 |
| 6V BELT END | 0.0 | 0.0 |
| 7V BARBETTE | 0.0 | 0.0 |
| 8V TURRET | 0.0 | 0.0 |
| 9V SUPERSTR | 0.0 | 0.0 |

# No. 11 (Oite)

| T# | DE # | SEVERITY | DESCRIPTION |
|---|---|---|---|
| | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | CODE | ORDER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | *AF* | Obey signals from Flagship |
| | | | | | | | | | | | | | | | | | | | | *AI* | Independent Action |
| | | | | | | | | | | | | | | | | | | | | *AX* | Battle Stations! |
| | | | | | | | | | | | | | | | | | | | | *AA* | Abandon ship! |
| | | | | | | | | | | | | | | | | | | | | *AZ* | Strike colors |
| **COURSE AND SPEED** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **CA** | Midships steady |
| | | | | | | | | | | | | | | | | | | | | **CP #** | Alter course to PORT |
| | | | | | | | | | | | | | | | | | | | | **CS #** | Alter course to STARBOARD |
| | | | | | | | | | | | | | | | | | | | | **SF** | Ahead full |
| | | | | | | | | | | | | | | | | | | | | **SR#** | Revolutions for # knots |
| | | | | | | | | | | | | | | | | | | | | **SA** | Full astern |
| | | | | | | | | | | | | | | | | | | | | **SS** | All stop |
| **ILLUMINATION AND EVASION** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **EX** | Evasive action |
| | | | | | | | | | | | | | | | | | | | | **KX** | Lay smoke |
| | | | | | | | | | | | | | | | | | | | | **IS ##** | Illuminate using starshell |
| | | | | | | | | | | | | | | | | | | | | **IL #** | Illuminate using searchlight |
| **TORPEDO AND AIRCRAFT** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **TR (X)** | Prepare to launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **TL (X)** | Launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **VL** | Prepare to launch aircraft |
| | | | | | | | | | | | | | | | | | | | | **VX** | Launch aircraft |
| **PRIMARY BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **B1D** | Directed fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1V** | Coordinated fire |
| | | | | | | | | | | | | | | | | | | | | **B1L** | Local control as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1P** | Split fire |
| | | | | | | | | | | | | | | | | | | | | **B1C** | Change target |
| | | | | | | | | | | | | | | | | | | | | **B1B** | Barrage fire as range permits |
| **RF BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **R5B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R6B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R7B** | Barrage fire as range permits |

## LOSS OF SPEED DURING TURNS

| KTS | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STD | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 21.0 | 22.5 | 24.0 | 25.5 | 27.0 | 28.5 | 30.0 |
| E/EA | NA | NA | NA | NA | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 |

## TURNING SEGMENTS

| DEG OF TURN | SEGMENTS |
|---|---|
| TO 15 | 2 Segments* |
| 16 TO 45 | 2 Segments |
| 46 TO 90 | 3 Segments |
| 91 TO 135 | 4 Segments |
| 136 TO 180 | 5 Segments |

## SHIPBOARD FIRE TRACKING

| T# | Fire | Current Severity | | | | | T# | Fire | Current Severity | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

## FIGHTING SHIPBOARD FIRES

| NO DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-03 | -20 from severity |
| 04-12 | -10 from severity |
| 13-50 | No change |
| 51-85 | +10 to severity |
| 86-95 | +30 to severity |
| 96-00 | +40 to severity |

| DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-05 | Fire extinguished |
| 06-15 | -30 from severity |
| 16-45 | -20 from severity |
| 46-75 | -10 from severity |
| 76-90 | No change |
| 91-00 | +10 to severity |

# No. 13 (Hayate)

**DD JAPAN** 1925 to 1941

1772-0 KAMIKAZE Class

| | | | | | |
|---|---|---|---|---|---|
| *Displacement* | 1,400 ts | *Length* | 327 ft | Ishikawajima, Tokyo | |
| *Complement* | 148 | *Beam* | 30 ft | *Launched* | 03/23/1925 |
| Sunk 12/11/1941 | | *Draft* | 9.6 ft | *Completed* | 12/21/1925 |

SEEKRIEG 5

**SHIP LOG SHEET**

*Version* 3/6/2009

**4 x 12cm/45 Type 10** | 12

| Max ROF | Range | Shell Size/Weight |
|---|---|---|
| 8.0 sh/min | 17,500 yds 35.0" | 4.7" 45.0 lbs. |

| Fire Control | FC Radar | |
|---|---|---|
| 1 1Q2 | None | + 0 |

| AP | SAP |
|---|---|
| COM | HE |

| AA | 2.1 | Level | V | Ammunition | 160 rpg | 640 |
|---|---|---|---|---|---|---|

**FIRE CONTROL TABLE**

| T Kts | Short | | Medium | | Long | | Extreme | |
|---|---|---|---|---|---|---|---|---|
| 0 - 9 | 14 | 9 | 9 | 6 | 7 | 4 | 6 | 4 |
| 10 - 18 | 10 | 6 | 7 | 4 | 5 | 3 | 4 | 3 |
| 19 - 27 | 8 | 5 | 5 | 3 | 4 | 3 | 3 | 2 |
| 28 - 36 | 7 | 4 | 5 | 3 | 3 | 2 | 3 | 2 |
| 37 - 45 | 6 | 4 | 4 | 3 | 3 | 2 | 3 | 2 |

**HE — PENETRATION TABLE**

| Yds | 2,000 | 4,000 | 6,000 | 8,000 | 10,000 | 12,000 | 15,000 | 18,000 | 21,000 | 24,000 | 27,000 | 30,000 | 33,000 | 36,000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ROF | 7.8 | 6.4 | 5.3 | 4.3 | 3.5 | 2.9 | 2.2 | 1.5 | | | | | | |
| Rge | S | S | S | M | M | L | E | E | | | | | | |
| H | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 1.2 | 1.7 | | | | | | |
| V | 3.6 | 2.6 | 1.9 | 1.5 | 1.3 | 1.2 | 1.1 | 1.2 | | | | | | |

| Crew | Sea | BR | Targ Sz | Ops |
|---|---|---|---|---|
| | | | 0 | |

**AIRCRAFT**

| Aircraft | 0 | Catapult | 0 |
|---|---|---|---|

**TORPEDOES**

| TT | 6 | Ammo | 6 |
|---|---|---|---|

53cm Type 6

| Damage Class | E |
|---|---|

Settings

- 7,600/36
- 11,000/32
- 17,000/27

1 2 3

**MINES**

20

**RAPID FIRE BATTERIES**

| RF1 | None |
|---|---|
| Max Rg | |
| Eff Rg | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| 0 | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF2 | None |
|---|---|
| Max Rg | |
| Eff Rg | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| 0 | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF3 | None |
|---|---|
| Max Rg | |
| Eff Rg | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

Captain

| T# | BTTY | TARGET SHIP | SHELL | FCS | BR | H | RANGE | R | #RNDS | HITS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| Coal (ts) | 0 | Oil (ts) | 420 |
|---|---|---|---|
| Engines | 2 Parsons GT | | |
| Boilers | 4 Kampon | | |

| Radius (nm/kts) | |
|---|---|
| 3600 | 14 |

| Search Radar |
|---|
| None |
| None |

| ASW MORTARS/ATW | | | DEPTH CHARGES | | | |
|---|---|---|---|---|---|---|
| 0 | | | Rack | 0 | | |
| None | | | Ammo | 0 | | |

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# No. 13 (Hayate)

| TIER | DP |
|---|---|
| 1/70 | 68 |
| 2/80 | 136 |
| 3/75 | 204 |
| 4/85 | 272 |
| 5/80 | 340 |
| 6/90 | 401 |
| 7/85 | 462 |
| 8/95 | 524 |
| 9/90 | 585 |
| 10 | 646 |
| 10 | 687 |

| DP | 680 |
|---|---|
| KTS | 38 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Engine Rm | 1 | 38 | 0 | 0 | 0 | 0 | 0 |
| Prop/Shaft | 2 | 38 | 19 | 0 | 0 | 0 | 0 |
| Boiler Rm | 2 | 38 | 23 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 |

| Standard Turn | |
|---|---|
| 90 | |
| Emergency Turn | |
| 120 | |

| Target Sz | |
|---|---|
| 0 | |
| Searchlights | |
| Port | Stbd |

| Speed | 00-12 kt | 13-21 kt | 22-27 kt | 28-30 kt | 31+ kt | |
|---|---|---|---|---|---|---|
| Increase | 13.0 | 9.0 | 6.0 | 3.0 | 1.0 | |

| Crew |
|---|
| |

| Bridge Command Rating | Flag Command Rating | Damage Control (DCR) |
|---|---|---|
| | | 2 |

| Fuel Code | DD5D |
|---|---|

| ARMOR | 1.00 | Actual |
|---|---|---|
| 1H DECK | 0.0 | 0.0 |
| 2H TURRET | 0.0 | 0.0 |
| 3H SUPERSTR | 0.0 | 0.0 |
| 4V CON | 0.0 | 0.0 |
| 5V BELT MID | 0.0 | 0.0 |
| 6V BELT END | 0.0 | 0.0 |
| 7V BARBETTE | 0.0 | 0.0 |
| 8V TURRET | 0.0 | 0.0 |
| 9V SUPERSTR | 0.0 | 0.0 |

| T# | DE # | SEVERITY | DESCRIPTION |
|---|---|---|---|
| | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | CODE | ORDER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | *AF* | Obey signals from Flagship |
| | | | | | | | | | | | | | | | | | | | | *AI* | Independent Action |
| | | | | | | | | | | | | | | | | | | | | *AX* | Battle Stations! |
| | | | | | | | | | | | | | | | | | | | | *AA* | Abandon ship! |
| | | | | | | | | | | | | | | | | | | | | *AZ* | Strike colors |
| **COURSE AND SPEED** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | CA | Midships steady |
| | | | | | | | | | | | | | | | | | | | | CP # | Alter course to PORT |
| | | | | | | | | | | | | | | | | | | | | CS # | Alter course to STARBOARD |
| | | | | | | | | | | | | | | | | | | | | SF | Ahead full |
| | | | | | | | | | | | | | | | | | | | | SR# | Revolutions for # knots |
| | | | | | | | | | | | | | | | | | | | | SA | Full astern |
| | | | | | | | | | | | | | | | | | | | | SS | All stop |
| **ILLUMINATION AND EVASION** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | EX | Evasive action |
| | | | | | | | | | | | | | | | | | | | | KX | Lay smoke |
| | | | | | | | | | | | | | | | | | | | | IS ## | Illuminate using starshell |
| | | | | | | | | | | | | | | | | | | | | IL # | Illuminate using searchlight |
| **TORPEDO AND AIRCRAFT** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | TR (X) | Prepare to launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | TL (X) | Launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | VL | Prepare to launch aircraft |
| | | | | | | | | | | | | | | | | | | | | VX | Launch aircraft |
| **PRIMARY BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | B1D | Directed fire as range permits |
| | | | | | | | | | | | | | | | | | | | | B1V | Coordinated fire |
| | | | | | | | | | | | | | | | | | | | | B1L | Local control as range permits |
| | | | | | | | | | | | | | | | | | | | | B1P | Split fire |
| | | | | | | | | | | | | | | | | | | | | B1C | Change target |
| | | | | | | | | | | | | | | | | | | | | B1B | Barrage fire as range permits |
| **RF BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | R5B | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | R6B | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | R7B | Barrage fire as range permits |

## LOSS OF SPEED DURING TURNS

| KTS | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STD | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 21.0 | 22.5 | 24.0 | 25.5 | 27.0 | 28.5 | 30.0 |
| E/EA | NA | NA | NA | NA | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 |

## TURNING SEGMENTS

| DEG OF TURN | SEGMENTS |
|---|---|
| TO 15 | 2 Segments* |
| 16 TO 45 | 2 Segments |
| 46 TO 90 | 3 Segments |
| 91 TO 135 | 4 Segments |
| 136 TO 180 | 5 Segments |

## SHIPBOARD FIRE TRACKING

| T# | Fire | Current Severity | | | | | T# | Fire | Current Severity | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

## FIGHTING SHIPBOARD FIRES

| NO DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-03 | -20 from severity |
| 04-12 | -10 from severity |
| 13-50 | No change |
| 51-85 | +10 to severity |
| 86-95 | +30 to severity |
| 96-00 | +40 to severity |

| DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-05 | Fire extinguished |
| 06-15 | -30 from severity |
| 16-45 | -20 from severity |
| 46-75 | -10 from severity |
| 76-90 | No change |
| 91-00 | +10 to severity |

# No. 15 (Asanagi)

**DD JAPAN** 1924 to 1941

1773-0 KAMIKAZE Class

| | | | | | |
|---|---|---|---|---|---|
| *Displacement* | 1,400 ts | *Length* | 327 ft | Fujinagata, Osaka | |
| *Complement* | 148 | *Beam* | 30 ft | *Launched* | 04/21/1924 |
| Sunk 05/22/1944 | | *Draft* | 9.6 ft | *Completed* | 12/29/1924 |

SEEKRIEG 5

**SHIP LOG SHEET**

*Version* 3/6/2009

**4 x 12cm/45 Type 10** — 12

| Max ROF | Range | Shell Size/Weight |
|---|---|---|
| 8.0 sh/min | 17,500 yds 35.0" | 4.7" 45.0 lbs. |

| Fire Control | FC Radar | |
|---|---|---|
| 1 1Q2 | None | + 0 |

| AP | SAP |
|---|---|
| COM | HE |

| AA | 2.1 | Level | V | Ammunition | 160 rpg | 640 |
|---|---|---|---|---|---|---|

**FIRE CONTROL TABLE**

| T Kts | Short | | Medium | | Long | | Extreme | |
|---|---|---|---|---|---|---|---|---|
| 0 - 9 | 14 | 9 | 9 | 6 | 7 | 4 | 6 | 4 |
| 10 - 18 | 10 | 6 | 7 | 4 | 5 | 3 | 4 | 3 |
| 19 - 27 | 8 | 5 | 5 | 3 | 4 | 3 | 3 | 2 |
| 28 - 36 | 7 | 4 | 5 | 3 | 3 | 2 | 3 | 2 |
| 37 - 45 | 6 | 4 | 4 | 3 | 3 | 2 | 3 | 2 |

**PENETRATION TABLE**

| HE | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Yds | 2,000 | 4,000 | 6,000 | 8,000 | 10,000 | 12,000 | 15,000 | 18,000 | 21,000 | 24,000 | 27,000 | 30,000 | 33,000 | 36,000 |
| ROF | 7.8 | 6.4 | 5.3 | 4.3 | 3.5 | 2.9 | 2.2 | 1.5 | | | | | | |
| Rge | S | S | S | M | M | L | E | E | | | | | | |
| H | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 1.2 | 1.7 | | | | | | |
| V | 3.6 | 2.6 | 1.9 | 1.5 | 1.3 | 1.2 | 1.1 | 1.2 | | | | | | |

| Crew | Sea | BR | Targ Sz | Ops |
|---|---|---|---|---|
| | | | 0 | |

**AIRCRAFT**

| Aircraft | 0 | Catapult | 0 |
|---|---|---|---|

**TORPEDOES**

| TT | 6 | Ammo | 6 |
|---|---|---|---|

53cm Type 6

| Damage Class | E |
|---|---|

Settings

- 7,600/36
- 11,000/32
- 17,000/27

**MINES**

| 20 | | | |
|---|---|---|---|

**RAPID FIRE BATTERIES**

| RF1 | None |
|---|---|
| Max Rg | |
| Eff Rg | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| 0 | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF2 | None |
|---|---|
| Max Rg | |
| Eff Rg | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| 0 | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF3 | None |
|---|---|
| Max Rg | |
| Eff Rg | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

Captain

| T# | BTTY | TARGET SHIP | SHELL | FCS | BR | H | RANGE | R | #RNDS | HITS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| Coal (ts) | 0 | Oil (ts) | 420 |
|---|---|---|---|
| Engines | 2 Parsons GT | | |
| Boilers | 4 Kampon | | |

| Radius (nm/kts) | |
|---|---|
| 3600 | 14 |

| Search Radar |
|---|
| None |
| None |

| ASW MORTARS/ATW | | | DEPTH CHARGES | | | |
|---|---|---|---|---|---|---|
| 0 | | | Rack | 0 | | |
| None | | | Ammo | 0 | | |

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# No. 15 (Asanagi)

| TIER | DP |
|---|---|
| 1/70 | 68 |
| 2/80 | 136 |
| 3/75 | 204 |
| 4/85 | 272 |
| 5/80 | 340 |
| 6/90 | 401 |
| 7/85 | 462 |
| 8/95 | 524 |
| 9/90 | 585 |
| 10 | 646 |
| 10 | 687 |

| DP | 680 |
|---|---|
| KTS | 38 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Engine Rm | 1 | 38 | 0 | 0 | 0 | 0 | 0 |
| Prop/Shaft | 2 | 38 | 19 | 0 | 0 | 0 | 0 |
| Boiler Rm | 2 | 38 | 23 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 |

| Standard Turn | |
|---|---|
| 90 | |
| Emergency Turn | |
| 120 | |

| Target Sz | |
|---|---|
| 0 | |
| Searchlights | |
| Port | Stbd |

| Speed | 00-12 kt | 13-21 kt | 22-27 kt | 28-30 kt | 31+ kt | |
|---|---|---|---|---|---|---|
| Increase | 13.0 | 9.0 | 6.0 | 3.0 | 1.0 | |

| Crew |
|---|
| |

| Bridge Command Rating | Flag Command Rating | Damage Control (DCR) |
|---|---|---|
| | | 2 |

| Fuel Code | DD5D |
|---|---|

| ARMOR | 1.00 | Actual |
|---|---|---|
| 1H DECK | 0.0 | 0.0 |
| 2H TURRET | 0.0 | 0.0 |
| 3H SUPERSTR | 0.0 | 0.0 |
| 4V CON | 0.0 | 0.0 |
| 5V BELT MID | 0.0 | 0.0 |
| 6V BELT END | 0.0 | 0.0 |
| 7V BARBETTE | 0.0 | 0.0 |
| 8V TURRET | 0.0 | 0.0 |
| 9V SUPERSTR | 0.0 | 0.0 |

| T# | DE # | SEVERITY | DESCRIPTION |
|---|---|---|---|
| | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | CODE | ORDER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | *AF* | Obey signals from Flagship |
| | | | | | | | | | | | | | | | | | | | | *AI* | Independent Action |
| | | | | | | | | | | | | | | | | | | | | *AX* | Battle Stations! |
| | | | | | | | | | | | | | | | | | | | | *AA* | Abandon ship! |
| | | | | | | | | | | | | | | | | | | | | *AZ* | Strike colors |
| **COURSE AND SPEED** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | CA | Midships steady |
| | | | | | | | | | | | | | | | | | | | | CP # | Alter course to PORT |
| | | | | | | | | | | | | | | | | | | | | CS # | Alter course to STARBOARD |
| | | | | | | | | | | | | | | | | | | | | SF | Ahead full |
| | | | | | | | | | | | | | | | | | | | | SR# | Revolutions for # knots |
| | | | | | | | | | | | | | | | | | | | | SA | Full astern |
| | | | | | | | | | | | | | | | | | | | | SS | All stop |
| **ILLUMINATION AND EVASION** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | EX | Evasive action |
| | | | | | | | | | | | | | | | | | | | | KX | Lay smoke |
| | | | | | | | | | | | | | | | | | | | | IS ## | Illuminate using starshell |
| | | | | | | | | | | | | | | | | | | | | IL # | Illuminate using searchlight |
| **TORPEDO AND AIRCRAFT** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | TR (X) | Prepare to launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | TL (X) | Launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | VL | Prepare to launch aircraft |
| | | | | | | | | | | | | | | | | | | | | VX | Launch aircraft |
| **PRIMARY BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | B1D | Directed fire as range permits |
| | | | | | | | | | | | | | | | | | | | | B1V | Coordinated fire |
| | | | | | | | | | | | | | | | | | | | | B1L | Local control as range permits |
| | | | | | | | | | | | | | | | | | | | | B1P | Split fire |
| | | | | | | | | | | | | | | | | | | | | B1C | Change target |
| | | | | | | | | | | | | | | | | | | | | B1B | Barrage fire as range permits |
| **RF BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | R5B | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | R6B | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | R7B | Barrage fire as range permits |

## LOSS OF SPEED DURING TURNS

| KTS | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STD | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 21.0 | 22.5 | 24.0 | 25.5 | 27.0 | 28.5 | 30.0 |
| E/EA | NA | NA | NA | NA | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 |

## TURNING SEGMENTS

| DEG OF TURN | SEGMENTS |
|---|---|
| TO 15 | 2 Segments* |
| 16 TO 45 | 2 Segments |
| 46 TO 90 | 3 Segments |
| 91 TO 135 | 4 Segments |
| 136 TO 180 | 5 Segments |

## SHIPBOARD FIRE TRACKING

| T# | Fire | Current Severity | | | | | T# | Fire | Current Severity | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

## FIGHTING SHIPBOARD FIRES

| NO DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-03 | -20 from severity |
| 04-12 | -10 from severity |
| 13-50 | No change |
| 51-85 | +10 to severity |
| 86-95 | +30 to severity |
| 96-00 | +40 to severity |

| DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-05 | Fire extinguished |
| 06-15 | -30 from severity |
| 16-45 | -20 from severity |
| 46-75 | -10 from severity |
| 76-90 | No change |
| 91-00 | +10 to severity |

# No. 15 (Asanagi)

**DD JAPAN** 1942 to 1944

1773-1 KAMIKAZE Class

| | | | | | |
|---|---|---|---|---|---|
| *Displacement* | 1,500 ts | *Length* | 327 ft | Fujinagata, Osaka | |
| *Complement* | 148 | *Beam* | 30 ft | *Launched* | 04/21/1924 |
| Sunk 05/22/1944 | | *Draft* | 9.6 ft | *Completed* | 12/29/1924 |

SEEKRIEG 5

**SHIP LOG SHEET**

*Version* 3/6/2009

**3 x 12cm/45 Type 10** | 12

| Max ROF | | Range | | Shell Size/Weight | |
|---|---|---|---|---|---|
| 8.0 | sh/min | 17,500 yds | 35.0" | 4.7" | 45.0 lbs. |

| Fire Control | | | FC Radar | + 0 | AP | SAP |
|---|---|---|---|---|---|---|
| 1 | | 1Q2 | None | | COM | HE |

| AA | 2.1 | Level | V | Ammunition | 160 rpg | 480 |
|---|---|---|---|---|---|---|

**FIRE CONTROL TABLE**

| T Kts | Short | | Medium | | Long | | Extreme | |
|---|---|---|---|---|---|---|---|---|
| 0 - 9 | 14 | 9 | 9 | 6 | 7 | 4 | 6 | 4 |
| 10 - 18 | 10 | 6 | 7 | 4 | 5 | 3 | 4 | 3 |
| 19 - 27 | 8 | 5 | 5 | 3 | 4 | 3 | 3 | 2 |
| 28 - 36 | 7 | 4 | 5 | 3 | 3 | 2 | 3 | 2 |
| 37 - 45 | 6 | 4 | 4 | 3 | 3 | 2 | 3 | 2 |

**HE — PENETRATION TABLE**

| Yds | 2,000 | 4,000 | 6,000 | 8,000 | 10,000 | 12,000 | 15,000 | 18,000 | 21,000 | 24,000 | 27,000 | 30,000 | 33,000 | 36,000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ROF | 7.8 | 6.4 | 5.3 | 4.3 | 3.5 | 2.9 | 2.2 | 1.5 | | | | | | |
| Rge | S | S | S | M | M | L | E | E | | | | | | |
| H | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 1.2 | 1.7 | | | | | | |
| V | 3.6 | 2.6 | 1.9 | 1.5 | 1.3 | 1.2 | 1.1 | 1.2 | | | | | | |

| Crew | Sea | BR | Targ Sz | Ops |
|---|---|---|---|---|
| | | | 0 | |

**AIRCRAFT**

| Aircraft | 0 | | | Catapult | 0 | |
|---|---|---|---|---|---|---|

1

2

**TORPEDOES**

| TT | 4 | Ammo | 4 |
|---|---|---|---|

53cm Type 6

| Damage Class | E |
|---|---|

Settings

7,600/36

11,000/32

17,000/27

**MINES**

0

**RAPID FIRE BATTERIES**

| RF1 | 10 | 25mm/60 Type 96 | | | |
|---|---|---|---|---|---|
| Max Rg | 7,440 | 14.9" | 7 | 5 | |
| Eff Rg | 3,348 | 6.7" | 11 | 8 | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| 5 | Port | 5 | 4 | 3 | 2 | 1 |
| | Stbd | 5 | 4 | 3 | 2 | 1 |
| AA | Port | 20 | 16 | 11 | 7 | 3 |
| M | Stbd | 20 | 16 | 11 | 7 | 3 |

| RF2 | | None | | | |
|---|---|---|---|---|---|
| Max Rg | | | | | |
| Eff Rg | | | | | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| 0 | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF3 | | None | | | |
|---|---|---|---|---|---|
| Max Rg | | | | | |
| Eff Rg | | | | | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| Captain | |
|---|---|

| T# | BTTY | TARGET SHIP | SHELL | FCS | BR | H | RANGE | R | #RNDS | HITS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| Coal (ts) | 0 | Oil (ts) | 420 |
|---|---|---|---|
| Engines | 2 Parsons GT | | |
| Boilers | 4 Kampon | | |

| Radius (nm/kts) | |
|---|---|
| 3600 | 14 |
| | |

| Search Radar |
|---|
| None |
| None |

| ASW MORTARS/ATW | | | DEPTH CHARGES | | | |
|---|---|---|---|---|---|---|
| 4 K-Guns | | | Rack | 0 | | |
| None | | | Ammo | 18 | | |

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# No. 15 (Asanagi)

| TIER | DP |
|---|---|
| 1/70 | 70 |
| 2/80 | 141 |
| 3/75 | 211 |
| 4/85 | 282 |
| 5/80 | 352 |
| 6/90 | 415 |
| 7/85 | 479 |
| 8/95 | 542 |
| 9/90 | 605 |
| 10 | 669 |
| 10 | 711 |

| DP | 704 |
|---|---|
| KTS | 35 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Engine Rm | 1 | 35 | 0 | 0 | 0 | 0 | 0 |
| Prop/Shaft | 2 | 35 | 18 | 0 | 0 | 0 | 0 |
| Boiler Rm | 2 | 35 | 22 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 |

| Standard Turn | |
|---|---|
| 90 | |
| Emergency Turn | |
| 120 | |

| Target Sz | |
|---|---|
| 0 | |
| Searchlights | |
| Port | Stbd |

| Speed | 00-10 kt | 11-17 kt | 18-22 kt | 23-25 kt | 26+ kt | |
|---|---|---|---|---|---|---|
| Increase | 11.0 | 8.0 | 5.0 | 3.0 | 1.0 | |

| Crew |
|---|
| |

| Bridge Command Rating | Flag Command Rating | Damage Control (DCR) |
|---|---|---|
| | | 2 |

| Fuel Code | DD5D |
|---|---|

| ARMOR | 1.00 | Actual |
|---|---|---|
| 1H DECK | 0.0 | 0.0 |
| 2H TURRET | 0.0 | 0.0 |
| 3H SUPERSTR | 0.0 | 0.0 |
| 4V CON | 0.0 | 0.0 |
| 5V BELT MID | 0.0 | 0.0 |
| 6V BELT END | 0.0 | 0.0 |
| 7V BARBETTE | 0.0 | 0.0 |
| 8V TURRET | 0.0 | 0.0 |
| 9V SUPERSTR | 0.0 | 0.0 |

| T# | DE # | SEVERITY | DESCRIPTION |
|---|---|---|---|
| | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | CODE | ORDER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | *AF* | Obey signals from Flagship |
| | | | | | | | | | | | | | | | | | | | | *AI* | Independent Action |
| | | | | | | | | | | | | | | | | | | | | *AX* | Battle Stations! |
| | | | | | | | | | | | | | | | | | | | | *AA* | Abandon ship! |
| | | | | | | | | | | | | | | | | | | | | *AZ* | Strike colors |
| **COURSE AND SPEED** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **CA** | Midships steady |
| | | | | | | | | | | | | | | | | | | | | **CP #** | Alter course to PORT |
| | | | | | | | | | | | | | | | | | | | | **CS #** | Alter course to STARBOARD |
| | | | | | | | | | | | | | | | | | | | | **SF** | Ahead full |
| | | | | | | | | | | | | | | | | | | | | **SR#** | Revolutions for # knots |
| | | | | | | | | | | | | | | | | | | | | **SA** | Full astern |
| | | | | | | | | | | | | | | | | | | | | **SS** | All stop |
| **ILLUMINATION AND EVASION** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **EX** | Evasive action |
| | | | | | | | | | | | | | | | | | | | | **KX** | Lay smoke |
| | | | | | | | | | | | | | | | | | | | | **IS ##** | Illuminate using starshell |
| | | | | | | | | | | | | | | | | | | | | **IL #** | Illuminate using searchlight |
| **TORPEDO AND AIRCRAFT** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **TR (X)** | Prepare to launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **TL (X)** | Launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **VL** | Prepare to launch aircraft |
| | | | | | | | | | | | | | | | | | | | | **VX** | Launch aircraft |
| **PRIMARY BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **B1D** | Directed fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1V** | Coordinated fire |
| | | | | | | | | | | | | | | | | | | | | **B1L** | Local control as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1P** | Split fire |
| | | | | | | | | | | | | | | | | | | | | **B1C** | Change target |
| | | | | | | | | | | | | | | | | | | | | **B1B** | Barrage fire as range permits |
| **RF BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **R5B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R6B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R7B** | Barrage fire as range permits |

## LOSS OF SPEED DURING TURNS

| KTS | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STD | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 21.0 | 22.5 | 24.0 | 25.5 | 27.0 | 28.5 | 30.0 |
| E/EA | NA | NA | NA | NA | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 |

## TURNING SEGMENTS

| DEG OF TURN | SEGMENTS |
|---|---|
| TO 15 | 2 Segments* |
| 16 TO 45 | 2 Segments |
| 46 TO 90 | 3 Segments |
| 91 TO 135 | 4 Segments |
| 136 TO 180 | 5 Segments |

## SHIPBOARD FIRE TRACKING

| T# | Fire | Current Severity | | | | | T# | Fire | Current Severity | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

## FIGHTING SHIPBOARD FIRES

| NO DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-03 | -20 from severity |
| 04-12 | -10 from severity |
| 13-50 | No change |
| 51-85 | +10 to severity |
| 86-95 | +30 to severity |
| 96-00 | +40 to severity |

| DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-05 | Fire extinguished |
| 06-15 | -30 from severity |
| 16-45 | -20 from severity |
| 46-75 | -10 from severity |
| 76-90 | No change |
| 91-00 | +10 to severity |

# No. 17 (Yunagi)

**DD JAPAN** 1925 to 1941

1774-0 KAMIKAZE Class

| | | | | | |
|---|---|---|---|---|---|
| *Displacement* | 1,400 ts | *Length* | 327 ft | Sasebo Navy Yard | |
| *Complement* | 148 | *Beam* | 30 ft | *Launched* | 04/23/1924 |
| Sunk 08/25/1944 | | *Draft* | 9.6 ft | *Completed* | 04/24/1925 |

SEEKRIEG 5

**SHIP LOG SHEET**

*Version* 3/6/2009

**4 x 12cm/45 Type 10** | 12

| Max ROF | Range | Shell Size/Weight |
|---|---|---|
| 8.0 sh/min | 17,500 yds 35.0" | 4.7" 45.0 lbs. |

| Fire Control | FC Radar | |
|---|---|---|
| 1 1Q2 | None | + 0 |

| AP | SAP |
|---|---|
| COM | HE |

| AA | 2.1 | Level | V | Ammunition | 160 rpg | 640 |
|---|---|---|---|---|---|---|

**FIRE CONTROL TABLE**

| T Kts | Short | | Medium | | Long | | Extreme | |
|---|---|---|---|---|---|---|---|---|
| 0 - 9 | 14 | 9 | 9 | 6 | 7 | 4 | 6 | 4 |
| 10 - 18 | 10 | 6 | 7 | 4 | 5 | 3 | 4 | 3 |
| 19 - 27 | 8 | 5 | 5 | 3 | 4 | 3 | 3 | 2 |
| 28 - 36 | 7 | 4 | 5 | 3 | 3 | 2 | 3 | 2 |
| 37 - 45 | 6 | 4 | 4 | 3 | 3 | 2 | 3 | 2 |

**HE — PENETRATION TABLE**

| Yds | 2,000 | 4,000 | 6,000 | 8,000 | 10,000 | 12,000 | 15,000 | 18,000 | 21,000 | 24,000 | 27,000 | 30,000 | 33,000 | 36,000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ROF | 7.8 | 6.4 | 5.3 | 4.3 | 3.5 | 2.9 | 2.2 | 1.5 | | | | | | |
| Rge | S | S | S | M | M | L | E | E | | | | | | |
| H | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 1.2 | 1.7 | | | | | | |
| V | 3.6 | 2.6 | 1.9 | 1.5 | 1.3 | 1.2 | 1.1 | 1.2 | | | | | | |

| Crew | Sea | BR | Targ Sz | Ops |
|---|---|---|---|---|
| | | | 0 | |

**AIRCRAFT**

| Aircraft | 0 | Catapult | 0 |
|---|---|---|---|

**TORPEDOES**

| TT | 6 | Ammo | 6 |
|---|---|---|---|

53cm Type 6

| Damage Class | E |
|---|---|

Settings

7,600/36

11,000/32

17,000/27

**MINES**

20

**RAPID FIRE BATTERIES**

| RF1 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | Port | | | | | |
|---|---|---|---|---|---|---|
| 0 | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF2 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | Port | | | | | |
|---|---|---|---|---|---|---|
| 0 | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF3 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | Port | | | | | |
|---|---|---|---|---|---|---|
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

Captain

| T# | BTTY | TARGET SHIP | SHELL | FCS | BR | H | RANGE | R | #RNDS | HITS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| Coal (ts) | 0 | Oil (ts) | 420 |
|---|---|---|---|
| Engines | 2 Parsons GT | | |
| Boilers | 4 Kampon | | |

| Radius (nm/kts) | |
|---|---|
| 3600 | 14 |

| Search Radar |
|---|
| None |
| None |

| ASW MORTARS/ATW | | | DEPTH CHARGES | | | |
|---|---|---|---|---|---|---|
| 0 | | | Rack | 0 | | |
| None | | | Ammo | 0 | | |

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# No. 17 (Yunagi)

| TIER | DP |
|---|---|
| 1/70 | 68 |
| 2/80 | 136 |
| 3/75 | 204 |
| 4/85 | 272 |
| 5/80 | 340 |
| 6/90 | 401 |
| 7/85 | 462 |
| 8/95 | 524 |
| 9/90 | 585 |
| 10 | 646 |
| 10 | 687 |

| DP | 680 |
|---|---|
| KTS | 38 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Engine Rm | 1 | 38 | 0 | 0 | 0 | 0 | 0 |
| Prop/Shaft | 2 | 38 | 19 | 0 | 0 | 0 | 0 |
| Boiler Rm | 2 | 38 | 23 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 |

| Standard Turn | |
|---|---|
| 90 | |
| Emergency Turn | |
| 120 | |

| Target Sz | |
|---|---|
| 0 | |
| Searchlights | |
| Port | Stbd |

| Speed | 00-12 kt | 13-21 kt | 22-27 kt | 28-30 kt | 31+ kt | |
|---|---|---|---|---|---|---|
| Increase | 13.0 | 9.0 | 6.0 | 3.0 | 1.0 | |

| Crew |
|---|
| |

| Bridge Command Rating | Flag Command Rating | Damage Control (DCR) |
|---|---|---|
| | | 2 |

| Fuel Code | DD5D |
|---|---|

| ARMOR | 1.00 | Actual |
|---|---|---|
| 1H DECK | 0.0 | 0.0 |
| 2H TURRET | 0.0 | 0.0 |
| 3H SUPERSTR | 0.0 | 0.0 |
| 4V CON | 0.0 | 0.0 |
| 5V BELT MID | 0.0 | 0.0 |
| 6V BELT END | 0.0 | 0.0 |
| 7V BARBETTE | 0.0 | 0.0 |
| 8V TURRET | 0.0 | 0.0 |
| 9V SUPERSTR | 0.0 | 0.0 |

| T# | DE # | SEVERITY | DESCRIPTION |
|---|---|---|---|
| | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | CODE | ORDER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | *AF* | Obey signals from Flagship |
| | | | | | | | | | | | | | | | | | | | | *AI* | Independent Action |
| | | | | | | | | | | | | | | | | | | | | *AX* | Battle Stations! |
| | | | | | | | | | | | | | | | | | | | | *AA* | Abandon ship! |
| | | | | | | | | | | | | | | | | | | | | *AZ* | Strike colors |
| **COURSE AND SPEED** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **CA** | Midships steady |
| | | | | | | | | | | | | | | | | | | | | **CP #** | Alter course to PORT |
| | | | | | | | | | | | | | | | | | | | | **CS #** | Alter course to STARBOARD |
| | | | | | | | | | | | | | | | | | | | | **SF** | Ahead full |
| | | | | | | | | | | | | | | | | | | | | **SR#** | Revolutions for # knots |
| | | | | | | | | | | | | | | | | | | | | **SA** | Full astern |
| | | | | | | | | | | | | | | | | | | | | **SS** | All stop |
| **ILLUMINATION AND EVASION** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **EX** | Evasive action |
| | | | | | | | | | | | | | | | | | | | | **KX** | Lay smoke |
| | | | | | | | | | | | | | | | | | | | | **IS ##** | Illuminate using starshell |
| | | | | | | | | | | | | | | | | | | | | **IL #** | Illuminate using searchlight |
| **TORPEDO AND AIRCRAFT** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **TR (X)** | Prepare to launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **TL (X)** | Launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **VL** | Prepare to launch aircraft |
| | | | | | | | | | | | | | | | | | | | | **VX** | Launch aircraft |
| **PRIMARY BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **B1D** | Directed fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1V** | Coordinated fire |
| | | | | | | | | | | | | | | | | | | | | **B1L** | Local control as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1P** | Split fire |
| | | | | | | | | | | | | | | | | | | | | **B1C** | Change target |
| | | | | | | | | | | | | | | | | | | | | **B1B** | Barrage fire as range permits |
| **RF BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **R5B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R6B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R7B** | Barrage fire as range permits |

## LOSS OF SPEED DURING TURNS

| KTS | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STD | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 21.0 | 22.5 | 24.0 | 25.5 | 27.0 | 28.5 | 30.0 |
| E/EA | NA | NA | NA | NA | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 |

## TURNING SEGMENTS

| DEG OF TURN | SEGMENTS |
|---|---|
| TO 15 | 2 Segments* |
| 16 TO 45 | 2 Segments |
| 46 TO 90 | 3 Segments |
| 91 TO 135 | 4 Segments |
| 136 TO 180 | 5 Segments |

## SHIPBOARD FIRE TRACKING

| T# | Fire | Current Severity | | | | | T# | Fire | Current Severity | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

## FIGHTING SHIPBOARD FIRES

| NO DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-03 | -20 from severity |
| 04-12 | -10 from severity |
| 13-50 | No change |
| 51-85 | +10 to severity |
| 86-95 | +30 to severity |
| 96-00 | +40 to severity |

| DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-05 | Fire extinguished |
| 06-15 | -30 from severity |
| 16-45 | -20 from severity |
| 46-75 | -10 from severity |
| 76-90 | No change |
| 91-00 | +10 to severity |

# No. 17 (Yunagi)

**DD JAPAN** 1942 to 1944

1774-1 KAMIKAZE Class

| | | | | | |
|---|---|---|---|---|---|
| *Displacement* | 1,500 ts | *Length* | 327 ft | Sasebo Navy Yard | |
| *Complement* | 148 | *Beam* | 30 ft | *Launched* | 04/23/1924 |
| Sunk 08/25/1944 | | *Draft* | 9.6 ft | *Completed* | 04/24/1925 |

SEEKRIEG 5

**SHIP LOG SHEET**

*Version* 3/6/2009

**3 x 12cm/45 Type 10** | 12

| Max ROF | Range | Shell Size/Weight |
|---|---|---|
| 8.0 sh/min | 17,500 yds 35.0" | 4.7" 45.0 lbs. |

| Fire Control | FC Radar | |
|---|---|---|
| 1 1Q2 | None | + 0 |

| AP | SAP |
|---|---|
| COM | HE |

| AA | 2.1 | Level | V | Ammunition | 160 rpg | 480 |
|---|---|---|---|---|---|---|

**FIRE CONTROL TABLE**

| T Kts | Short | | Medium | | Long | | Extreme | |
|---|---|---|---|---|---|---|---|---|
| 0 - 9 | 14 | 9 | 9 | 6 | 7 | 4 | 6 | 4 |
| 10 - 18 | 10 | 6 | 7 | 4 | 5 | 3 | 4 | 3 |
| 19 - 27 | 8 | 5 | 5 | 3 | 4 | 3 | 3 | 2 |
| 28 - 36 | 7 | 4 | 5 | 3 | 3 | 2 | 3 | 2 |
| 37 - 45 | 6 | 4 | 4 | 3 | 3 | 2 | 3 | 2 |

**HE — PENETRATION TABLE**

| Yds | 2,000 | 4,000 | 6,000 | 8,000 | 10,000 | 12,000 | 15,000 | 18,000 | 21,000 | 24,000 | 27,000 | 30,000 | 33,000 | 36,000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ROF | 7.8 | 6.4 | 5.3 | 4.3 | 3.5 | 2.9 | 2.2 | 1.5 | | | | | | |
| Rge | S | S | S | M | M | L | E | E | | | | | | |
| H | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 1.2 | 1.7 | | | | | | |
| V | 3.6 | 2.6 | 1.9 | 1.5 | 1.3 | 1.2 | 1.1 | 1.2 | | | | | | |

| Crew | Sea | BR | Targ Sz | Ops |
|---|---|---|---|---|
| | | | 0 | |

**AIRCRAFT**

| Aircraft | 0 | Catapult | 0 |
|---|---|---|---|

**TORPEDOES**

| TT | 4 | Ammo | 4 |
|---|---|---|---|

53cm Type 6

| Damage Class | E |
|---|---|

Settings

- 7,600/36
- 11,000/32
- 17,000/27

1 2

**MINES**

0

**RAPID FIRE BATTERIES**

| RF1 | 10 | 25mm/60 Type 96 | | | |
|---|---|---|---|---|---|
| Max Rg | 7,440 | 14.9" | 7 | 5 | |
| Eff Rg | 3,348 | 6.7" | 11 | 8 | |

| RF | | | | | |
|---|---|---|---|---|---|
| 5 | Port | 5 | 4 | 3 | 2 | 1 |
| | Stbd | 5 | 4 | 3 | 2 | 1 |
| AA | Port | 20 | 16 | 11 | 7 | 3 |
| M | Stbd | 20 | 16 | 11 | 7 | 3 |

| RF2 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| 0 | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF3 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | | | | | | |
|---|---|---|---|---|---|---|
| | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

Captain

| T# | BTTY | TARGET SHIP | SHELL | FCS | BR | H | RANGE | R | #RNDS | HITS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| Coal (ts) | 0 | Oil (ts) | 420 |
|---|---|---|---|
| Engines | 2 Parsons GT | | |
| Boilers | 4 Kampon | | |

| Radius (nm/kts) | |
|---|---|
| 3600 | 14 |

| Search Radar |
|---|
| None |
| None |

| ASW MORTARS/ATW | | |
|---|---|---|
| 4 K-Guns | | |
| None | | |

| DEPTH CHARGES | | | |
|---|---|---|---|
| Rack | 0 | | |
| Ammo | 18 | | |

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# No. 17 (Yunagi)

| TIER | DP |
|---|---|
| 1/70 | 70 |
| 2/80 | 141 |
| 3/75 | 211 |
| 4/85 | 282 |
| 5/80 | 352 |
| 6/90 | 415 |
| 7/85 | 479 |
| 8/95 | 542 |
| 9/90 | 605 |
| 10 | 669 |
| 10 | 711 |

| DP | 704 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| KTS | 35 | | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Engine Rm | 1 | 35 | 0 | 0 | 0 | 0 | 0 |
| Prop/Shaft | 2 | 35 | 18 | 0 | 0 | 0 | 0 |
| Boiler Rm | 2 | 35 | 22 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 |

| Standard Turn | |
|---|---|
| 90 | |
| Emergency Turn | |
| 120 | |

| Target Sz | |
|---|---|
| 0 | |
| Searchlights | |
| Port | Stbd |

| Speed | 00-10 kt | 11-17 kt | 18-22 kt | 23-25 kt | 26+ kt | |
|---|---|---|---|---|---|---|
| Increase | 11.0 | 8.0 | 5.0 | 3.0 | 1.0 | |

| Crew |
|---|
| |

| Bridge Command Rating | | | | |
|---|---|---|---|---|
| | | | | |

| Flag Command Rating | | | | |
|---|---|---|---|---|
| | | | | |

| Damage Control (DCR) | | | | |
|---|---|---|---|---|
| 2 | | | | |

| Fuel Code | DD5D |
|---|---|

| ARMOR | 1.00 | Actual |
|---|---|---|
| 1H DECK | 0.0 | 0.0 |
| 2H TURRET | 0.0 | 0.0 |
| 3H SUPERSTR | 0.0 | 0.0 |
| 4V CON | 0.0 | 0.0 |
| 5V BELT MID | 0.0 | 0.0 |
| 6V BELT END | 0.0 | 0.0 |
| 7V BARBETTE | 0.0 | 0.0 |
| 8V TURRET | 0.0 | 0.0 |
| 9V SUPERSTR | 0.0 | 0.0 |

| T# | DE # | SEVERITY | DESCRIPTION |
|---|---|---|---|
| | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | CODE | ORDER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | *AF* | Obey signals from Flagship |
| | | | | | | | | | | | | | | | | | | | | *AI* | Independent Action |
| | | | | | | | | | | | | | | | | | | | | *AX* | Battle Stations! |
| | | | | | | | | | | | | | | | | | | | | *AA* | Abandon ship! |
| | | | | | | | | | | | | | | | | | | | | *AZ* | Strike colors |
| **COURSE AND SPEED** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **CA** | Midships steady |
| | | | | | | | | | | | | | | | | | | | | **CP #** | Alter course to PORT |
| | | | | | | | | | | | | | | | | | | | | **CS #** | Alter course to STARBOARD |
| | | | | | | | | | | | | | | | | | | | | **SF** | Ahead full |
| | | | | | | | | | | | | | | | | | | | | **SR#** | Revolutions for # knots |
| | | | | | | | | | | | | | | | | | | | | **SA** | Full astern |
| | | | | | | | | | | | | | | | | | | | | **SS** | All stop |
| **ILLUMINATION AND EVASION** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **EX** | Evasive action |
| | | | | | | | | | | | | | | | | | | | | **KX** | Lay smoke |
| | | | | | | | | | | | | | | | | | | | | **IS ##** | Illuminate using starshell |
| | | | | | | | | | | | | | | | | | | | | **IL #** | Illuminate using searchlight |
| **TORPEDO AND AIRCRAFT** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **TR (X)** | Prepare to launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **TL (X)** | Launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **VL** | Prepare to launch aircraft |
| | | | | | | | | | | | | | | | | | | | | **VX** | Launch aircraft |
| **PRIMARY BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **B1D** | Directed fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1V** | Coordinated fire |
| | | | | | | | | | | | | | | | | | | | | **B1L** | Local control as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1P** | Split fire |
| | | | | | | | | | | | | | | | | | | | | **B1C** | Change target |
| | | | | | | | | | | | | | | | | | | | | **B1B** | Barrage fire as range permits |
| **RF BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **R5B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R6B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R7B** | Barrage fire as range permits |

## LOSS OF SPEED DURING TURNS

| KTS | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STD | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 21.0 | 22.5 | 24.0 | 25.5 | 27.0 | 28.5 | 30.0 |
| E/EA | NA | NA | NA | NA | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 |

## TURNING SEGMENTS

| DEG OF TURN | SEGMENTS |
|---|---|
| TO 15 | 2 Segments* |
| 16 TO 45 | 2 Segments |
| 46 TO 90 | 3 Segments |
| 91 TO 135 | 4 Segments |
| 136 TO 180 | 5 Segments |

## SHIPBOARD FIRE TRACKING

| T# | Fire | Current Severity | | | | | T# | Fire | Current Severity | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

## FIGHTING SHIPBOARD FIRES

| NO DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-03 | -20 from severity |
| 04-12 | -10 from severity |
| 13-50 | No change |
| 51-85 | +10 to severity |
| 86-95 | +30 to severity |
| 96-00 | +40 to severity |

| DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-05 | Fire extinguished |
| 06-15 | -30 from severity |
| 16-45 | -20 from severity |
| 46-75 | -10 from severity |
| 76-90 | No change |
| 91-00 | +10 to severity |

# No. 7 (Matsukaze)

**DD JAPAN** 1924 to 1941

1769-0 KAMIKAZE Class

| | | | | | |
|---|---|---|---|---|---|
| *Displacement* | 1,400 ts | *Length* | 327 ft | Maizuru Navy Yard | |
| *Complement* | 148 | *Beam* | 30 ft | *Launched* | 10/30/1923 |
| Sunk 06/09/1944 | | *Draft* | 9.6 ft | *Completed* | 04/05/1924 |

SEEKRIEG 5

**SHIP LOG SHEET**

*Version* 3/6/2009

**4 x 12cm/45 Type 10** — 12

| Max ROF | Range | Shell Size/Weight |
|---|---|---|
| 8.0 sh/min | 17,500 yds 35.0" | 4.7" 45.0 lbs. |

| Fire Control | FC Radar | |
|---|---|---|
| 1 1Q2 | None | + 0 |

| AP | SAP |
|---|---|
| COM | HE |

| AA | 2.1 | Level | V | Ammunition | 160 rpg | 640 |
|---|---|---|---|---|---|---|

**FIRE CONTROL TABLE**

| T Kts | Short | | Medium | | Long | | Extreme | |
|---|---|---|---|---|---|---|---|---|
| 0 - 9 | 14 | 9 | 9 | 6 | 7 | 4 | 6 | 4 |
| 10 - 18 | 10 | 6 | 7 | 4 | 5 | 3 | 4 | 3 |
| 19 - 27 | 8 | 5 | 5 | 3 | 4 | 3 | 3 | 2 |
| 28 - 36 | 7 | 4 | 5 | 3 | 3 | 2 | 3 | 2 |
| 37 - 45 | 6 | 4 | 4 | 3 | 3 | 2 | 3 | 2 |

**HE — PENETRATION TABLE**

| Yds | 2,000 | 4,000 | 6,000 | 8,000 | 10,000 | 12,000 | 15,000 | 18,000 | 21,000 | 24,000 | 27,000 | 30,000 | 33,000 | 36,000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ROF | 7.8 | 6.4 | 5.3 | 4.3 | 3.5 | 2.9 | 2.2 | 1.5 | | | | | | |
| Rge | S | S | S | M | M | L | E | E | | | | | | |
| H | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 1.2 | 1.7 | | | | | | |
| V | 3.6 | 2.6 | 1.9 | 1.5 | 1.3 | 1.2 | 1.1 | 1.2 | | | | | | |

| Crew | Sea | BR | Targ Sz | Ops |
|---|---|---|---|---|
| | | | 0 | |

**AIRCRAFT**

| Aircraft | 0 | Catapult | 0 |
|---|---|---|---|

**TORPEDOES**

| TT | 6 | Ammo | 6 |
|---|---|---|---|

53cm Type 6

| Damage Class | E |
|---|---|

Settings

- 7,600/36
- 11,000/32
- 17,000/27

**MINES**

| 20 | | | |
|---|---|---|---|

**RAPID FIRE BATTERIES**

| RF1 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | Port | | | | | |
|---|---|---|---|---|---|---|
| 0 | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF2 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | Port | | | | | |
|---|---|---|---|---|---|---|
| 0 | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF3 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | Port | | | | | |
|---|---|---|---|---|---|---|
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| Coal (ts) | 0 | Oil (ts) | 420 |
|---|---|---|---|
| Engines | 2 Parsons GT | | |
| Boilers | 4 Kampon | | |

| Radius (nm/kts) | |
|---|---|
| 3600 | 14 |
| | |

| Search Radar |
|---|
| None |
| None |

| ASW MORTARS/ATW | | | DEPTH CHARGES | | | |
|---|---|---|---|---|---|---|
| 0 | | | Rack | 0 | | |
| None | | | Ammo | 0 | | |

| Captain | |
|---|---|

| T# | BTTY | TARGET SHIP | SHELL | FCS | BR | H | RANGE | R | #RNDS | HITS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

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# No. 7 (Matsukaze)

| TIER | DP |
|---|---|
| 1/70 | 68 |
| 2/80 | 136 |
| 3/75 | 204 |
| 4/85 | 272 |
| 5/80 | 340 |
| 6/90 | 401 |
| 7/85 | 462 |
| 8/95 | 524 |
| 9/90 | 585 |
| 10 | 646 |
| 10 | 687 |

| DP | 680 |
|---|---|
| KTS | 38 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Engine Rm | 1 | 38 | 0 | 0 | 0 | 0 | 0 |
| Prop/Shaft | 2 | 38 | 19 | 0 | 0 | 0 | 0 |
| Boiler Rm | 2 | 38 | 23 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 |

| Standard Turn | |
|---|---|
| 90 | |
| Emergency Turn | |
| 120 | |

| Target Sz | |
|---|---|
| 0 | |
| Searchlights | |
| Port | Stbd |

| Speed | 00-12 kt | 13-21 kt | 22-27 kt | 28-30 kt | 31+ kt | |
|---|---|---|---|---|---|---|
| Increase | 13.0 | 9.0 | 6.0 | 3.0 | 1.0 | |

| Crew |
|---|
| |

| Bridge Command Rating | Flag Command Rating | Damage Control (DCR) |
|---|---|---|
| | | 2 |

| Fuel Code | DD5D |
|---|---|

| ARMOR | 1.00 | Actual |
|---|---|---|
| 1H DECK | 0.0 | 0.0 |
| 2H TURRET | 0.0 | 0.0 |
| 3H SUPERSTR | 0.0 | 0.0 |
| 4V CON | 0.0 | 0.0 |
| 5V BELT MID | 0.0 | 0.0 |
| 6V BELT END | 0.0 | 0.0 |
| 7V BARBETTE | 0.0 | 0.0 |
| 8V TURRET | 0.0 | 0.0 |
| 9V SUPERSTR | 0.0 | 0.0 |

| T# | DE # | SEVERITY | DESCRIPTION |
|---|---|---|---|
| | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | CODE | ORDER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | *AF* | Obey signals from Flagship |
| | | | | | | | | | | | | | | | | | | | | *AI* | Independent Action |
| | | | | | | | | | | | | | | | | | | | | *AX* | Battle Stations! |
| | | | | | | | | | | | | | | | | | | | | *AA* | Abandon ship! |
| | | | | | | | | | | | | | | | | | | | | *AZ* | Strike colors |
| **COURSE AND SPEED** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **CA** | Midships steady |
| | | | | | | | | | | | | | | | | | | | | **CP #** | Alter course to PORT |
| | | | | | | | | | | | | | | | | | | | | **CS #** | Alter course to STARBOARD |
| | | | | | | | | | | | | | | | | | | | | **SF** | Ahead full |
| | | | | | | | | | | | | | | | | | | | | **SR#** | Revolutions for # knots |
| | | | | | | | | | | | | | | | | | | | | **SA** | Full astern |
| | | | | | | | | | | | | | | | | | | | | **SS** | All stop |
| **ILLUMINATION AND EVASION** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **EX** | Evasive action |
| | | | | | | | | | | | | | | | | | | | | **KX** | Lay smoke |
| | | | | | | | | | | | | | | | | | | | | **IS ##** | Illuminate using starshell |
| | | | | | | | | | | | | | | | | | | | | **IL #** | Illuminate using searchlight |
| **TORPEDO AND AIRCRAFT** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **TR (X)** | Prepare to launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **TL (X)** | Launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **VL** | Prepare to launch aircraft |
| | | | | | | | | | | | | | | | | | | | | **VX** | Launch aircraft |
| **PRIMARY BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **B1D** | Directed fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1V** | Coordinated fire |
| | | | | | | | | | | | | | | | | | | | | **B1L** | Local control as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1P** | Split fire |
| | | | | | | | | | | | | | | | | | | | | **B1C** | Change target |
| | | | | | | | | | | | | | | | | | | | | **B1B** | Barrage fire as range permits |
| **RF BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **R5B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R6B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R7B** | Barrage fire as range permits |

## LOSS OF SPEED DURING TURNS

| KTS | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STD | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 21.0 | 22.5 | 24.0 | 25.5 | 27.0 | 28.5 | 30.0 |
| E/EA | NA | NA | NA | NA | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 |

## TURNING SEGMENTS

| DEG OF TURN | SEGMENTS |
|---|---|
| TO 15 | 2 Segments* |
| 16 TO 45 | 2 Segments |
| 46 TO 90 | 3 Segments |
| 91 TO 135 | 4 Segments |
| 136 TO 180 | 5 Segments |

## SHIPBOARD FIRE TRACKING

| T# | Fire | Current Severity | | | | | T# | Fire | Current Severity | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

## FIGHTING SHIPBOARD FIRES

| NO DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-03 | -20 from severity |
| 04-12 | -10 from severity |
| 13-50 | No change |
| 51-85 | +10 to severity |
| 86-95 | +30 to severity |
| 96-00 | +40 to severity |

| DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-05 | Fire extinguished |
| 06-15 | -30 from severity |
| 16-45 | -20 from severity |
| 46-75 | -10 from severity |
| 76-90 | No change |
| 91-00 | +10 to severity |

# No. 7 (Matsukaze)

**DD JAPAN** 1942 to 1944

1769-1 KAMIKAZE Class

| | | | | | |
|---|---|---|---|---|---|
| *Displacement* | 1,500 ts | *Length* | 327 ft | Maizuru Navy Yard | |
| *Complement* | 148 | *Beam* | 30 ft | *Launched* | 10/30/1923 |
| Sunk 06/09/1944 | | *Draft* | 9.6 ft | *Completed* | 04/05/1924 |

SEEKRIEG 5

**SHIP LOG SHEET**

*Version* 3/6/2009

**3 x 12cm/45 Type 10** | 12

| Max ROF | Range | Shell Size/Weight |
|---|---|---|
| 8.0 sh/min | 17,500 yds 35.0" | 4.7" 45.0 lbs. |

| Fire Control | FC Radar | |
|---|---|---|
| 1 1Q2 | None | + 0 |

| AP | SAP |
|---|---|
| COM | HE |

| AA | 2.1 | Level | V | Ammunition | 160 rpg | 480 |
|---|---|---|---|---|---|---|

**FIRE CONTROL TABLE**

| T Kts | Short | | Medium | | Long | | Extreme | |
|---|---|---|---|---|---|---|---|---|
| 0 - 9 | 14 | 9 | 9 | 6 | 7 | 4 | 6 | 4 |
| 10 - 18 | 10 | 6 | 7 | 4 | 5 | 3 | 4 | 3 |
| 19 - 27 | 8 | 5 | 5 | 3 | 4 | 3 | 3 | 2 |
| 28 - 36 | 7 | 4 | 5 | 3 | 3 | 2 | 3 | 2 |
| 37 - 45 | 6 | 4 | 4 | 3 | 3 | 2 | 3 | 2 |

**HE — PENETRATION TABLE**

| Yds | 2,000 | 4,000 | 6,000 | 8,000 | 10,000 | 12,000 | 15,000 | 18,000 | 21,000 | 24,000 | 27,000 | 30,000 | 33,000 | 36,000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ROF | 7.8 | 6.4 | 5.3 | 4.3 | 3.5 | 2.9 | 2.2 | 1.5 | | | | | | |
| Rge | S | S | S | M | M | L | E | E | | | | | | |
| H | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 1.2 | 1.7 | | | | | | |
| V | 3.6 | 2.6 | 1.9 | 1.5 | 1.3 | 1.2 | 1.1 | 1.2 | | | | | | |

| Crew | Sea | BR | Targ Sz | Ops |
|---|---|---|---|---|
| | | | 0 | |

**AIRCRAFT**

| Aircraft | 0 | Catapult | 0 |
|---|---|---|---|

**TORPEDOES**

| TT | 4 | Ammo | 4 |
|---|---|---|---|

53cm Type 6

| Damage Class | E |
|---|---|

Settings

7,600/36

11,000/32

17,000/27

1

2

**MINES**

0

**RAPID FIRE BATTERIES**

| RF1 | 10 | 25mm/60 Type 96 | | | |
|---|---|---|---|---|---|
| Max Rg | 7,440 | 14.9" | 7 | 5 | |
| Eff Rg | 3,348 | 6.7" | 11 | 8 | |

| RF | | | | | |
|---|---|---|---|---|---|
| 5 | Port | 5 | 4 | 3 | 2 | 1 |
| | Stbd | 5 | 4 | 3 | 2 | 1 |
| AA | Port | 20 | 16 | 11 | 7 | 3 |
| M | Stbd | 20 | 16 | 11 | 7 | 3 |

| RF2 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | | | | | |
|---|---|---|---|---|---|
| 0 | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF3 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | | | | | |
|---|---|---|---|---|---|
| | Port | | | | | |
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| Captain | |
|---|---|

| T# | BTTY | TARGET SHIP | SHELL | FCS | BR | H | RANGE | R | #RNDS | HITS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| Coal (ts) | 0 | Oil (ts) | 420 |
|---|---|---|---|
| Engines | 2 Parsons GT | | |
| Boilers | 4 Kampon | | |

| Radius (nm/kts) | |
|---|---|
| 3600 | 14 |

| Search Radar |
|---|
| None |
| None |

| ASW MORTARS/ATW | | |
|---|---|---|
| 4 K-Guns | | |
| None | | |

| DEPTH CHARGES | | | |
|---|---|---|---|
| Rack | 0 | | |
| Ammo | 18 | | |

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# No. 7 (Matsukaze)

| TIER | DP |
|---|---|
| 1/70 | 70 |
| 2/80 | 141 |
| 3/75 | 211 |
| 4/85 | 282 |
| 5/80 | 352 |
| 6/90 | 415 |
| 7/85 | 479 |
| 8/95 | 542 |
| 9/90 | 605 |
| 10 | 669 |
| 10 | 711 |

| DP | 704 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| KTS | 35 | | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Engine Rm | 1 | 35 | 0 | 0 | 0 | 0 | 0 |
| Prop/Shaft | 2 | 35 | 18 | 0 | 0 | 0 | 0 |
| Boiler Rm | 2 | 35 | 22 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 |

| Standard Turn | |
|---|---|
| 90 | |
| Emergency Turn | |
| 120 | |

| Target Sz | |
|---|---|
| 0 | |
| Searchlights | |
| Port | Stbd |

| Speed Increase | 00-10 kt | 11-17 kt | 18-22 kt | 23-25 kt | 26+ kt | |
|---|---|---|---|---|---|---|
| | 11.0 | 8.0 | 5.0 | 3.0 | 1.0 | |

| Crew |
|---|
| |

| Bridge Command Rating | | | | |
|---|---|---|---|---|
| | | | | |

| Flag Command Rating | | | | |
|---|---|---|---|---|
| | | | | |

| Damage Control (DCR) | | | | |
|---|---|---|---|---|
| 2 | | | | |

| Fuel Code | DD5D |
|---|---|

| ARMOR | 1.00 | Actual |
|---|---|---|
| 1H DECK | 0.0 | 0.0 |
| 2H TURRET | 0.0 | 0.0 |
| 3H SUPERSTR | 0.0 | 0.0 |
| 4V CON | 0.0 | 0.0 |
| 5V BELT MID | 0.0 | 0.0 |
| 6V BELT END | 0.0 | 0.0 |
| 7V BARBETTE | 0.0 | 0.0 |
| 8V TURRET | 0.0 | 0.0 |
| 9V SUPERSTR | 0.0 | 0.0 |

| T# | DE # | SEVERITY | DESCRIPTION |
|---|---|---|---|
| | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | CODE | ORDER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | *AF* | Obey signals from Flagship |
| | | | | | | | | | | | | | | | | | | | | *AI* | Independent Action |
| | | | | | | | | | | | | | | | | | | | | *AX* | Battle Stations! |
| | | | | | | | | | | | | | | | | | | | | *AA* | Abandon ship! |
| | | | | | | | | | | | | | | | | | | | | *AZ* | Strike colors |
| **COURSE AND SPEED** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **CA** | Midships steady |
| | | | | | | | | | | | | | | | | | | | | **CP #** | Alter course to PORT |
| | | | | | | | | | | | | | | | | | | | | **CS #** | Alter course to STARBOARD |
| | | | | | | | | | | | | | | | | | | | | **SF** | Ahead full |
| | | | | | | | | | | | | | | | | | | | | **SR#** | Revolutions for # knots |
| | | | | | | | | | | | | | | | | | | | | **SA** | Full astern |
| | | | | | | | | | | | | | | | | | | | | **SS** | All stop |
| **ILLUMINATION AND EVASION** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **EX** | Evasive action |
| | | | | | | | | | | | | | | | | | | | | **KX** | Lay smoke |
| | | | | | | | | | | | | | | | | | | | | **IS ##** | Illuminate using starshell |
| | | | | | | | | | | | | | | | | | | | | **IL #** | Illuminate using searchlight |
| **TORPEDO AND AIRCRAFT** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **TR (X)** | Prepare to launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **TL (X)** | Launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **VL** | Prepare to launch aircraft |
| | | | | | | | | | | | | | | | | | | | | **VX** | Launch aircraft |
| **PRIMARY BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **B1D** | Directed fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1V** | Coordinated fire |
| | | | | | | | | | | | | | | | | | | | | **B1L** | Local control as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1P** | Split fire |
| | | | | | | | | | | | | | | | | | | | | **B1C** | Change target |
| | | | | | | | | | | | | | | | | | | | | **B1B** | Barrage fire as range permits |
| **RF BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **R5B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R6B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R7B** | Barrage fire as range permits |

## LOSS OF SPEED DURING TURNS

| KTS | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STD | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 21.0 | 22.5 | 24.0 | 25.5 | 27.0 | 28.5 | 30.0 |
| E/EA | NA | NA | NA | NA | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 |

## TURNING SEGMENTS

| DEG OF TURN | SEGMENTS |
|---|---|
| TO 15 | 2 Segments* |
| 16 TO 45 | 2 Segments |
| 46 TO 90 | 3 Segments |
| 91 TO 135 | 4 Segments |
| 136 TO 180 | 5 Segments |

## SHIPBOARD FIRE TRACKING

| T# | Fire | Current Severity | | | | | T# | Fire | Current Severity | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

## FIGHTING SHIPBOARD FIRES

| NO DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-03 | -20 from severity |
| 04-12 | -10 from severity |
| 13-50 | No change |
| 51-85 | +10 to severity |
| 86-95 | +30 to severity |
| 96-00 | +40 to severity |

| DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-05 | Fire extinguished |
| 06-15 | -30 from severity |
| 16-45 | -20 from severity |
| 46-75 | -10 from severity |
| 76-90 | No change |
| 91-00 | +10 to severity |

# No. 9 (Hatakaze)

**DD JAPAN** 1924 to 1941

1770-0 KAMIKAZE Class

| | | | | | |
|---|---|---|---|---|---|
| *Displacement* | 1,400 ts | *Length* | 327 ft | Maizuru Navy Yard | |
| *Complement* | 148 | *Beam* | 30 ft | *Launched* | 03/15/1924 |
| Sunk 01/15/1945 | | *Draft* | 9.6 ft | *Completed* | 08/30/1924 |

SEEKRIEG 5

**SHIP LOG SHEET**

*Version* 3/6/2009

**4 x 12cm/45 Type 10** — 12

| Max ROF | Range | Shell Size/Weight |
|---|---|---|
| 8.0 sh/min | 17,500 yds 35.0" | 4.7" 45.0 lbs. |

| Fire Control | FC Radar | |
|---|---|---|
| 1 1Q2 | None | + 0 |

| AP | SAP |
|---|---|
| COM | HE |

| AA | 2.1 | Level | V | Ammunition | 160 rpg | 640 |
|---|---|---|---|---|---|---|

**FIRE CONTROL TABLE**

| T Kts | Short | | Medium | | Long | | Extreme | |
|---|---|---|---|---|---|---|---|---|
| 0 - 9 | 14 | 9 | 9 | 6 | 7 | 4 | 6 | 4 |
| 10 - 18 | 10 | 6 | 7 | 4 | 5 | 3 | 4 | 3 |
| 19 - 27 | 8 | 5 | 5 | 3 | 4 | 3 | 3 | 2 |
| 28 - 36 | 7 | 4 | 5 | 3 | 3 | 2 | 3 | 2 |
| 37 - 45 | 6 | 4 | 4 | 3 | 3 | 2 | 3 | 2 |

**HE — PENETRATION TABLE**

| Yds | 2,000 | 4,000 | 6,000 | 8,000 | 10,000 | 12,000 | 15,000 | 18,000 | 21,000 | 24,000 | 27,000 | 30,000 | 33,000 | 36,000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ROF | 7.8 | 6.4 | 5.3 | 4.3 | 3.5 | 2.9 | 2.2 | 1.5 | | | | | | |
| Rge | S | S | S | M | M | L | E | E | | | | | | |
| H | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 1.2 | 1.7 | | | | | | |
| V | 3.6 | 2.6 | 1.9 | 1.5 | 1.3 | 1.2 | 1.1 | 1.2 | | | | | | |

| Crew | Sea | BR | Targ Sz | Ops |
|---|---|---|---|---|
| | | | 0 | |

**AIRCRAFT**

| Aircraft | 0 | Catapult | 0 |
|---|---|---|---|

**TORPEDOES**

| TT | 6 | Ammo | 6 |
|---|---|---|---|

53cm Type 6

| Damage Class | E |
|---|---|

Settings

- 7,600/36
- 11,000/32
- 17,000/27

**MINES**

| 20 | | | |
|---|---|---|---|

**RAPID FIRE BATTERIES**

| RF1 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | Port | | | | | |
|---|---|---|---|---|---|---|
| 0 | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF2 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | Port | | | | | |
|---|---|---|---|---|---|---|
| 0 | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

| RF3 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | Port | | | | | |
|---|---|---|---|---|---|---|
| | Stbd | | | | | |
| AA | Port | | | | | |
| | Stbd | | | | | |

Captain

| T# | BTTY | TARGET SHIP | SHELL | FCS | BR | H | RANGE | R | #RNDS | HITS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| Coal (ts) | 0 | Oil (ts) | 420 |
|---|---|---|---|
| Engines | 2 Parsons GT | | |
| Boilers | 4 Kampon | | |

| Radius (nm/kts) | |
|---|---|
| 3600 | 14 |

| Search Radar |
|---|
| None |
| None |

| ASW MORTARS/ATW | | | DEPTH CHARGES | | | |
|---|---|---|---|---|---|---|
| 0 | | | Rack | 0 | | |
| None | | | Ammo | 0 | | |

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# No. 9 (Hatakaze)

| TIER | DP |
|---|---|
| 1/70 | 68 |
| 2/80 | 136 |
| 3/75 | 204 |
| 4/85 | 272 |
| 5/80 | 340 |
| 6/90 | 401 |
| 7/85 | 462 |
| 8/95 | 524 |
| 9/90 | 585 |
| 10 | 646 |
| 10 | 687 |

| DP | 680 |
|---|---|
| KTS | 38 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Engine Rm | 1 | 38 | 0 | 0 | 0 | 0 | 0 |
| Prop/Shaft | 2 | 38 | 19 | 0 | 0 | 0 | 0 |
| Boiler Rm | 2 | 38 | 23 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 |

| Standard Turn | |
|---|---|
| 90 | |
| Emergency Turn | |
| 120 | |

| Target Sz | |
|---|---|
| 0 | |
| Searchlights | |
| Port | Stbd |

| Speed | 00-12 kt | 13-21 kt | 22-27 kt | 28-30 kt | 31+ kt | |
|---|---|---|---|---|---|---|
| Increase | 13.0 | 9.0 | 6.0 | 3.0 | 1.0 | |

| Crew |
|---|
| |

| Bridge Command Rating | Flag Command Rating | Damage Control (DCR) |
|---|---|---|
| | | 2 |

| Fuel Code | DD5D |
|---|---|

| ARMOR | 1.00 | Actual |
|---|---|---|
| 1H DECK | 0.0 | 0.0 |
| 2H TURRET | 0.0 | 0.0 |
| 3H SUPERSTR | 0.0 | 0.0 |
| 4V CON | 0.0 | 0.0 |
| 5V BELT MID | 0.0 | 0.0 |
| 6V BELT END | 0.0 | 0.0 |
| 7V BARBETTE | 0.0 | 0.0 |
| 8V TURRET | 0.0 | 0.0 |
| 9V SUPERSTR | 0.0 | 0.0 |

| T# | DE # | SEVERITY | DESCRIPTION |
|---|---|---|---|
| | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | CODE | ORDER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | *AF* | Obey signals from Flagship |
| | | | | | | | | | | | | | | | | | | | | *AI* | Independent Action |
| | | | | | | | | | | | | | | | | | | | | *AX* | Battle Stations! |
| | | | | | | | | | | | | | | | | | | | | *AA* | Abandon ship! |
| | | | | | | | | | | | | | | | | | | | | *AZ* | Strike colors |
| **COURSE AND SPEED** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **CA** | Midships steady |
| | | | | | | | | | | | | | | | | | | | | **CP #** | Alter course to PORT |
| | | | | | | | | | | | | | | | | | | | | **CS #** | Alter course to STARBOARD |
| | | | | | | | | | | | | | | | | | | | | **SF** | Ahead full |
| | | | | | | | | | | | | | | | | | | | | **SR#** | Revolutions for # knots |
| | | | | | | | | | | | | | | | | | | | | **SA** | Full astern |
| | | | | | | | | | | | | | | | | | | | | **SS** | All stop |
| **ILLUMINATION AND EVASION** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **EX** | Evasive action |
| | | | | | | | | | | | | | | | | | | | | **KX** | Lay smoke |
| | | | | | | | | | | | | | | | | | | | | **IS ##** | Illuminate using starshell |
| | | | | | | | | | | | | | | | | | | | | **IL #** | Illuminate using searchlight |
| **TORPEDO AND AIRCRAFT** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **TR (X)** | Prepare to launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **TL (X)** | Launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **VL** | Prepare to launch aircraft |
| | | | | | | | | | | | | | | | | | | | | **VX** | Launch aircraft |
| **PRIMARY BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **B1D** | Directed fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1V** | Coordinated fire |
| | | | | | | | | | | | | | | | | | | | | **B1L** | Local control as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1P** | Split fire |
| | | | | | | | | | | | | | | | | | | | | **B1C** | Change target |
| | | | | | | | | | | | | | | | | | | | | **B1B** | Barrage fire as range permits |
| **RF BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **R5B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R6B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R7B** | Barrage fire as range permits |

## LOSS OF SPEED DURING TURNS

| KTS | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STD | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 21.0 | 22.5 | 24.0 | 25.5 | 27.0 | 28.5 | 30.0 |
| E/EA | NA | NA | NA | NA | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 |

## TURNING SEGMENTS

| DEG OF TURN | SEGMENTS |
|---|---|
| TO 15 | 2 Segments* |
| 16 TO 45 | 2 Segments |
| 46 TO 90 | 3 Segments |
| 91 TO 135 | 4 Segments |
| 136 TO 180 | 5 Segments |

## SHIPBOARD FIRE TRACKING

| T# | Fire | Current Severity | | | | | T# | Fire | Current Severity | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

## FIGHTING SHIPBOARD FIRES

| NO DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-03 | -20 from severity |
| 04-12 | -10 from severity |
| 13-50 | No change |
| 51-85 | +10 to severity |
| 86-95 | +30 to severity |
| 96-00 | +40 to severity |

| DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-05 | Fire extinguished |
| 06-15 | -30 from severity |
| 16-45 | -20 from severity |
| 46-75 | -10 from severity |
| 76-90 | No change |
| 91-00 | +10 to severity |

# No. 9 (Hatakaze)

**DD JAPAN** 1942 to 1944

1770-1 KAMIKAZE Class

| | | | | | |
|---|---|---|---|---|---|
| *Displacement* | 1,500 ts | *Length* | 327 ft | Maizuru Navy Yard | |
| *Complement* | 148 | *Beam* | 30 ft | *Launched* | 03/15/1924 |
| Sunk 01/15/1945 | | *Draft* | 9.6 ft | *Completed* | 08/30/1924 |

SEEKRIEG 5

**SHIP LOG SHEET**

*Version* 3/6/2009

**3 x 12cm/45 Type 10** | 12

| Max ROF | Range | Shell Size/Weight |
|---|---|---|
| 8.0 sh/min | 17,500 yds 35.0" | 4.7" 45.0 lbs. |

| Fire Control | FC Radar | |
|---|---|---|
| 1 1Q2 | None | + 0 |

| AP | SAP |
|---|---|
| COM | HE |

| AA | 2.1 | Level | V | Ammunition | 160 rpg | 480 |
|---|---|---|---|---|---|---|

**FIRE CONTROL TABLE**

| T Kts | Short | | Medium | | Long | | Extreme | |
|---|---|---|---|---|---|---|---|---|
| 0 - 9 | 14 | 9 | 9 | 6 | 7 | 4 | 6 | 4 |
| 10 - 18 | 10 | 6 | 7 | 4 | 5 | 3 | 4 | 3 |
| 19 - 27 | 8 | 5 | 5 | 3 | 4 | 3 | 3 | 2 |
| 28 - 36 | 7 | 4 | 5 | 3 | 3 | 2 | 3 | 2 |
| 37 - 45 | 6 | 4 | 4 | 3 | 3 | 2 | 3 | 2 |

**HE — PENETRATION TABLE**

| Yds | 2,000 | 4,000 | 6,000 | 8,000 | 10,000 | 12,000 | 15,000 | 18,000 | 21,000 | 24,000 | 27,000 | 30,000 | 33,000 | 36,000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ROF | 7.8 | 6.4 | 5.3 | 4.3 | 3.5 | 2.9 | 2.2 | 1.5 | | | | | | |
| Rge | S | S | S | M | M | L | E | E | | | | | | |
| H | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 1.2 | 1.7 | | | | | | |
| V | 3.6 | 2.6 | 1.9 | 1.5 | 1.3 | 1.2 | 1.1 | 1.2 | | | | | | |

| Crew | Sea | BR | Targ Sz | Ops |
|---|---|---|---|---|
| | | | 0 | |

**AIRCRAFT**

| Aircraft | 0 | Catapult | 0 |
|---|---|---|---|

**TORPEDOES**

| TT | 4 | Ammo | 4 |
|---|---|---|---|

53cm Type 6

| Damage Class | E |
|---|---|

Settings: 7,600/36 | 11,000/32 | 17,000/27

1 2

**MINES**

0

**RAPID FIRE BATTERIES**

| RF1 | 10 | 25mm/60 Type 96 | | | |
|---|---|---|---|---|---|
| Max Rg | 7,440 | 14.9" | 7 | 5 | |
| Eff Rg | 3,348 | 6.7" | 11 | 8 | |

| RF 5 | | | | | |
|---|---|---|---|---|---|
| Port | 5 | 4 | 3 | 2 | 1 |
| Stbd | 5 | 4 | 3 | 2 | 1 |

| AA M | | | | | |
|---|---|---|---|---|---|
| Port | 20 | 16 | 11 | 7 | 3 |
| Stbd | 20 | 16 | 11 | 7 | 3 |

| RF2 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF 0 | | | | | |
|---|---|---|---|---|---|
| Port | | | | | |
| Stbd | | | | | |

| AA | | | | | |
|---|---|---|---|---|---|
| Port | | | | | |
| Stbd | | | | | |

| RF3 | | None |
|---|---|---|
| Max Rg | | |
| Eff Rg | | |

| RF | | | | | |
|---|---|---|---|---|---|
| Port | | | | | |
| Stbd | | | | | |

| AA | | | | | |
|---|---|---|---|---|---|
| Port | | | | | |
| Stbd | | | | | |

Captain

| T# | BTTY | TARGET SHIP | SHELL | FCS | BR | H | RANGE | R | #RNDS | HITS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| Coal (ts) | 0 | Oil (ts) | 420 |
|---|---|---|---|
| Engines | 2 Parsons GT | | |
| Boilers | 4 Kampon | | |

| Radius (nm/kts) | |
|---|---|
| 3600 | 14 |

| Search Radar |
|---|
| None |
| None |

| ASW MORTARS/ATW | | |
|---|---|---|
| 4 K-Guns | | |
| None | | |

| DEPTH CHARGES | | | |
|---|---|---|---|
| Rack | 0 | | |
| Ammo | 18 | | |

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# No. 9 (Hatakaze)

| TIER | DP |
|---|---|
| 1/70 | 70 |
| 2/80 | 141 |
| 3/75 | 211 |
| 4/85 | 282 |
| 5/80 | 352 |
| 6/90 | 415 |
| 7/85 | 479 |
| 8/95 | 542 |
| 9/90 | 605 |
| 10 | 669 |
| 10 | 711 |

| DP | 704 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| KTS | 35 | | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Engine Rm | 1 | 35 | 0 | 0 | 0 | 0 | 0 |
| Prop/Shaft | 2 | 35 | 18 | 0 | 0 | 0 | 0 |
| Boiler Rm | 2 | 35 | 22 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 |

| Standard Turn | |
|---|---|
| 90 | |
| Emergency Turn | |
| 120 | |

| Target Sz | |
|---|---|
| 0 | |
| Searchlights | |
| Port | Stbd |

| Speed | 00-10 kt | 11-17 kt | 18-22 kt | 23-25 kt | 26+ kt | |
|---|---|---|---|---|---|---|
| Increase | 11.0 | 8.0 | 5.0 | 3.0 | 1.0 | |

| Crew |
|---|
| |

| Bridge Command Rating | | | | |
|---|---|---|---|---|
| | | | | |

| Flag Command Rating | | | | |
|---|---|---|---|---|
| | | | | |

| Damage Control (DCR) | | | | |
|---|---|---|---|---|
| 2 | | | | |

| Fuel Code | DD5D |
|---|---|

| ARMOR | 1.00 | Actual |
|---|---|---|
| 1H DECK | 0.0 | 0.0 |
| 2H TURRET | 0.0 | 0.0 |
| 3H SUPERSTR | 0.0 | 0.0 |
| 4V CON | 0.0 | 0.0 |
| 5V BELT MID | 0.0 | 0.0 |
| 6V BELT END | 0.0 | 0.0 |
| 7V BARBETTE | 0.0 | 0.0 |
| 8V TURRET | 0.0 | 0.0 |
| 9V SUPERSTR | 0.0 | 0.0 |

| T# | DE # | SEVERITY | DESCRIPTION |
|---|---|---|---|
| | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | CODE | ORDER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | *AF* | Obey signals from Flagship |
| | | | | | | | | | | | | | | | | | | | | *AI* | Independent Action |
| | | | | | | | | | | | | | | | | | | | | *AX* | Battle Stations! |
| | | | | | | | | | | | | | | | | | | | | *AA* | Abandon ship! |
| | | | | | | | | | | | | | | | | | | | | *AZ* | Strike colors |
| **COURSE AND SPEED** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **CA** | Midships steady |
| | | | | | | | | | | | | | | | | | | | | **CP #** | Alter course to PORT |
| | | | | | | | | | | | | | | | | | | | | **CS #** | Alter course to STARBOARD |
| | | | | | | | | | | | | | | | | | | | | **SF** | Ahead full |
| | | | | | | | | | | | | | | | | | | | | **SR#** | Revolutions for # knots |
| | | | | | | | | | | | | | | | | | | | | **SA** | Full astern |
| | | | | | | | | | | | | | | | | | | | | **SS** | All stop |
| **ILLUMINATION AND EVASION** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **EX** | Evasive action |
| | | | | | | | | | | | | | | | | | | | | **KX** | Lay smoke |
| | | | | | | | | | | | | | | | | | | | | **IS ##** | Illuminate using starshell |
| | | | | | | | | | | | | | | | | | | | | **IL #** | Illuminate using searchlight |
| **TORPEDO AND AIRCRAFT** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **TR (X)** | Prepare to launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **TL (X)** | Launch torpedoes to (X) |
| | | | | | | | | | | | | | | | | | | | | **VL** | Prepare to launch aircraft |
| | | | | | | | | | | | | | | | | | | | | **VX** | Launch aircraft |
| **PRIMARY BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **B1D** | Directed fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1V** | Coordinated fire |
| | | | | | | | | | | | | | | | | | | | | **B1L** | Local control as range permits |
| | | | | | | | | | | | | | | | | | | | | **B1P** | Split fire |
| | | | | | | | | | | | | | | | | | | | | **B1C** | Change target |
| | | | | | | | | | | | | | | | | | | | | **B1B** | Barrage fire as range permits |
| **RF BATTERY** | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | **R5B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R6B** | Barrage fire as range permits |
| | | | | | | | | | | | | | | | | | | | | **R7B** | Barrage fire as range permits |

## LOSS OF SPEED DURING TURNS

| KTS | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STD | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 21.0 | 22.5 | 24.0 | 25.5 | 27.0 | 28.5 | 30.0 |
| E/EA | NA | NA | NA | NA | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 |

## TURNING SEGMENTS

| DEG OF TURN | SEGMENTS |
|---|---|
| TO 15 | 2 Segments* |
| 16 TO 45 | 2 Segments |
| 46 TO 90 | 3 Segments |
| 91 TO 135 | 4 Segments |
| 136 TO 180 | 5 Segments |

## SHIPBOARD FIRE TRACKING

| T# | Fire | Current Severity | | | | | T# | Fire | Current Severity | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

## FIGHTING SHIPBOARD FIRES

| NO DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-03 | -20 from severity |
| 04-12 | -10 from severity |
| 13-50 | No change |
| 51-85 | +10 to severity |
| 86-95 | +30 to severity |
| 96-00 | +40 to severity |

| DAMAGE CONTROL | |
|---|---|
| ROLL | EFECT ON FIRE |
| 01-05 | Fire extinguished |
| 06-15 | -30 from severity |
| 16-45 | -20 from severity |
| 46-75 | -10 from severity |
| 76-90 | No change |
| 91-00 | +10 to severity |