Chikuma

CL JAPAN 1912 to 1923

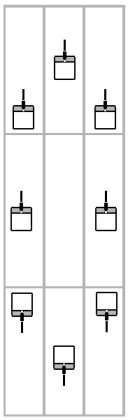
1644-0 CHIKUMA Class

Displacement	5,000 ts	*Length*	440 ft	Sasebo Naval Yard Navy Yard	
Complement	414	*Beam*	47 ft	*Launched*	04/01/1911
Stricken 1931		*Draft*	16.8 ft	*Completed*	05/17/1912

SEEKRIEG 5

SHIP LOG SHEET

Version 2/18/2009



8 x 15cm/45 Type 41 — 16

Max ROF	Range	Shell Size/Weight
5.0 sh/min	13,360 yds 26.7"	6.0" 100.0 lbs.

Fire Control	FC Radar	+ 0
2	None	

AP	SAP
COM	HE

AA	0.0	Level	S	Ammunition	120 rpg	960

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

AP 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	6.5	5.3	4.3	3.5	2.9	2.6							
Rge	S	S	S	M	M	L	L							
H	0.2	0.3	0.4	0.5	0.6	0.9	1.2							
V	4.8	3.5	2.5	2.0	1.7	1.6	1.5							

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT

Aircraft	0			Catapult	0	

1 2 3

TORPEDOES

TT	3	Ammo	6

18" Mk VI

Damage Class H

Settings

1,000/34

2,000/28

4,000/20

MINES

0			

RAPID FIRE BATTERIES

RF1 4 — 3"/40 12pdr QF

Max Rg	7,990	16.0"	5	4
Eff Rg	3,596	7.2"	8	6

RF						
16	Port	2	2	1	1	0
	Stbd	2	2	1	1	0
AA	Port	0	0	0	0	0
S	Stbd	0	0	0	0	0

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)	1128	Oil (ts)	300
Engines	GT		
Boilers	16 Kampon		

Radius (nm/kts)	
10000	10

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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Chikuma

TIER	DP
1/70	129
2/80	257
3/75	386
4/85	514
5/80	643
6/90	758
7/85	874
8/95	989
9/90	1105
10	1221
10	1298

DP	1285
KTS	27

Engine Rm	1	27	0	0	0	0	0
Prop/Shaft	2	27	14	0	0	0	0
Boiler Rm	4	27	24	17	6	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
1	
Searchlights	
Port	Stbd

Speed	00-07 kt	08-13 kt	14-16 kt	17-19 kt	20+ kt		Crew
Increase	8.0	6.0	4.0	2.0	1.0		

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		3

Fuel Code	CS2A

ARMOR	0.83	Actual
1H DECK	1.9	2.3
2H TURRET	0.0	0.0
3H SUPERSTR	0.6	0.7
4V CON	3.3	4.0
5V BELT MID	2.9	3.5
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.7	0.8

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

Chikuma

CL JAPAN 1924 to 1931

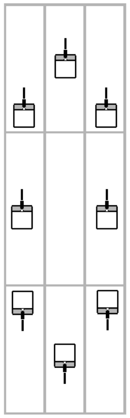
1644-1 CHIKUMA Class

Displacement	5,000 ts	*Length*	440 ft	Sasebo Naval Yard Navy Yard	
Complement	414	*Beam*	47 ft	*Launched*	04/01/1911
Stricken 1931		*Draft*	16.8 ft	*Completed*	05/17/1912

SEEKRIEG 5

SHIP LOG SHEET

Version 2/18/2009



8 x 15cm/45 Type 41 **16**

Max ROF		Range		Shell Size/Weight	
5.0	sh/min	16,189 yds	32.4"	6.0"	100.0 lbs.

Fire Control		FC Radar		AP	SAP
2	1S2	None	+ 0	COM	HE

AA	0.0	Level	S	Ammunition	120 rpg	960

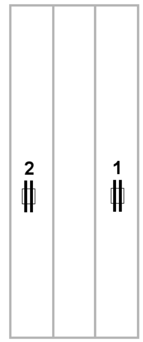
FIRE CONTROL TABLE								
T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

APC	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	6.6	5.6	4.7	4.0	3.3	2.6	2.4						
Rge	S	S	S	M	M	M	L	L						
H	0.2	0.3	0.4	0.5	0.6	0.7	1.0	1.3						
V	6.4	5.1	4.0	3.1	2.5	2.1	1.7	1.6						

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT

Aircraft	0			Catapult	0	



TORPEDOES

TT	4	Ammo	8
53cm Type 6			
Damage Class		E	
Settings			
7,600/36			
11,000/32			
17,000/27			

MINES

0

RAPID FIRE BATTERIES

RF1	4	3"/40 12pdr QF				
Max Rg	7,990	16.0"	5	4		
Eff Rg	3,596	7.2"	8	6		
RF	Port	2	2	1	1	0
16	Stbd	2	2	1	1	0
AA	Port	0	0	0	0	0
S	Stbd	0	0	0	0	0

RF2	2	8cm/40 Type 3				
Max Rg	11,800	23.6"	7	5		
Eff Rg	5,310	10.6"	11	8		
RF	Port	1	1	1	0	0
18	Stbd	1	1	1	0	0
AA	Port	2	2	1	1	0
H	Stbd	2	2	1	1	0

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)	1128	Oil (ts)	300	Radius (nm/kts)		Search Radar	ASW MORTARS/ATW	DEPTH CHARGES	
Engines	GT			10000	10	None	0	Rack	0
Boilers	16 Kampon					None	None	Ammo	0

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Chikuma

TIER	DP
1/70	129
2/80	257
3/75	386
4/85	514
5/80	643
6/90	758
7/85	874
8/95	989
9/90	1105
10	1221
10	1298

DP	1285
KTS	26

Engine Rm	1	26	0	0	0	0	0
Prop/Shaft	2	26	13	0	0	0	0
Boiler Rm	4	26	24	16	6	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
1	
Searchlights	
Port	Stbd

Speed	00-07 kt	08-13 kt	14-16 kt	17-19 kt	20+ kt	
Increase	8.0	6.0	4.0	2.0	1.0	

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		3

Fuel Code	CS2A

ARMOR	0.83	Actual
1H DECK	1.9	2.3
2H TURRET	0.0	0.0
3H SUPERSTR	0.6	0.7
4V CON	3.3	4.0
5V BELT MID	2.9	3.5
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.7	0.8

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
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																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
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TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
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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

Hirado

CL JAPAN 1912 to 1923

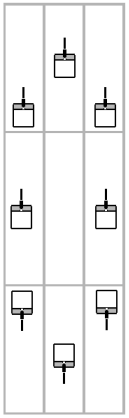
1645-0 CHIKUMA Class

Displacement	5,000 ts	*Length*	440 ft	Kawasaki, Kobe	
Complement	414	*Beam*	47 ft	*Launched*	06/29/1911
Scrapped 1947		*Draft*	16.8 ft	*Completed*	07/17/1912

SEEKRIEG 5

SHIP LOG SHEET

Version 2/18/2009



8 x 15cm/45 Type 41 — 16

Max ROF	Range		Shell Size/Weight	
5.0 sh/min	13,360 yds	26.7"	6.0"	100.0 lbs.

Fire Control			FC Radar	+ 0
2		1S2	None	

AP	SAP
COM	HE

AA	0.0	Level	S	Ammunition	120 rpg	960

AP	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	6.5	5.3	4.3	3.5	2.9	2.6							
Rge	S	S	S	M	M	L	L							
H	0.2	0.3	0.4	0.5	0.6	0.9	1.2							
V	4.8	3.5	2.5	2.0	1.7	1.6	1.5							

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT

Aircraft	0			Catapult	0	

TORPEDOES

TT	3	Ammo	6

18" Mk VI

Damage Class: H

Settings: 1,000/34 | 2,000/28 | 4,000/20

1 | 2 | 3

MINES

0			

RAPID FIRE BATTERIES

RF1 — 4 — 3"/40 12pdr QF

Max Rg	7,990	16.0"	5	4
Eff Rg	3,596	7.2"	8	6

RF 16	Port	2	2	1	1	0
	Stbd	2	2	1	1	0
AA S	Port	0	0	0	0	0
	Stbd	0	0	0	0	0

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)	1128	Oil (ts)	300
Engines	GT		
Boilers	16 Kampon		

Radius (nm/kts)	
10000	10

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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Hirado

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6/90	758
7/85	874
8/95	989
9/90	1105
10	1221
10	1298

DP	1285
KTS	27

Engine Rm	1	27	0	0	0	0	0
Prop/Shaft	2	27	14	0	0	0	0
Boiler Rm	4	27	24	17	6	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
1	
Searchlights	
Port	Stbd

Speed	00-07 kt	08-13 kt	14-16 kt	17-19 kt	20+ kt		Crew
Increase	8.0	6.0	4.0	2.0	1.0		

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		3

Fuel Code	CS2A

ARMOR	0.83	Actual
1H DECK	1.9	2.3
2H TURRET	0.0	0.0
3H SUPERSTR	0.6	0.7
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
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																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

T#	DE #	SEVERITY	DESCRIPTION

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
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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

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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

Hirado

CL JAPAN 1924 to 1931

1645-1 CHIKUMA Class

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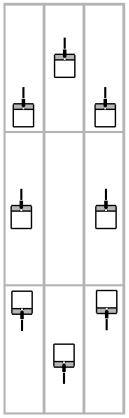
SEEKRIEG 5

SHIP LOG SHEET

Version 2/18/2009



8 x 15cm/45 Type 41 — 16

Max ROF	Range		Shell Size/Weight	
5.0 sh/min	16,189 yds	32.4"	6.0"	100.0 lbs.

Fire Control			FC Radar	+ 0
2		1S2	None	

AP	SAP
COM	HE

AA	0.0	Level	S	Ammunition	120 rpg	960

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

APC — 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	6.6	5.6	4.7	4.0	3.3	2.6	2.4						
Rge	S	S	S	M	M	M	L	L						
H	0.2	0.3	0.4	0.5	0.6	0.7	1.0	1.3						
V	6.4	5.1	4.0	3.1	2.5	2.1	1.7	1.6						

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT

Aircraft	0			Catapult	0	

2 | 1

TORPEDOES

TT	4	Ammo	8

53cm Type 6

Damage Class	E

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

MINES

0			

RAPID FIRE BATTERIES

RF1 — 4 — 3"/40 12pdr QF

Max Rg	7,990	16.0"	5	4	
Eff Rg	3,596	7.2"	8	6	

RF						
16	Port	2	2	1	1	0
	Stbd	2	2	1	1	0
AA	Port	0	0	0	0	0
S	Stbd	0	0	0	0	0

RF2 — 2 — 8cm/40 Type 3

Max Rg	11,800	23.6"	7	5	
Eff Rg	5,310	10.6"	11	8	

RF						
18	Port	1	1	1	0	0
	Stbd	1	1	1	0	0
AA	Port	2	2	1	1	0
H	Stbd	2	2	1	1	0

RF3 — None

Max Rg					
Eff Rg					

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Coal (ts)	1128	Oil (ts)	300
Engines	GT		
Boilers	16 Kampon		

Radius (nm/kts)	
10000	10

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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TIER	DP
1/70	129
2/80	257
3/75	386
4/85	514
5/80	643
6/90	758
7/85	874
8/95	989
9/90	1105
10	1221
10	1298

DP	1285
KTS	26

Engine Rm	1	26	0	0	0	0	0
Prop/Shaft	2	26	13	0	0	0	0
Boiler Rm	4	26	24	16	6	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
1	
Searchlights	
Port	Stbd

Speed	00-07 kt	08-13 kt	14-16 kt	17-19 kt	20+ kt	
Increase	8.0	6.0	4.0	2.0	1.0	

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		3

Fuel Code	CS2A

ARMOR	0.83	Actual
1H DECK	1.9	2.3
2H TURRET	0.0	0.0
3H SUPERSTR	0.6	0.7
4V CON	3.3	4.0
5V BELT MID	2.9	3.5
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.7	0.8

Hirado

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

Yahagi

CL JAPAN 1912 to 1923

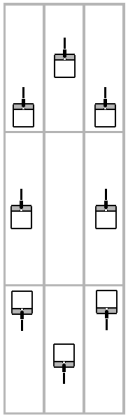
1646-0 CHIKUMA Class

Displacement	5,000 ts	*Length*	440 ft	Mitsubishi, Nagasaki	
Complement	414	*Beam*	47 ft	*Launched*	10/30/1911
Scrapped 1947		*Draft*	16.8 ft	*Completed*	07/27/1912

SEEKRIEG 5

SHIP LOG SHEET

Version 2/18/2009



8 x 15cm/45 Type 41 — 16

Max ROF	Range		Shell Size/Weight	
5.0 sh/min	13,360 yds	26.7"	6.0"	100.0 lbs.

Fire Control			FC Radar	+ 0
2		1S2	None	

AP	SAP
COM	HE

AA	0.0	Level	S	Ammunition	120 rpg	960

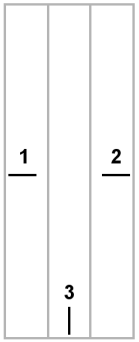
FIRE CONTROL TABLE								
T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

AP	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	6.5	5.3	4.3	3.5	2.9	2.6							
Rge	S	S	S	M	M	L	L							
H	0.2	0.3	0.4	0.5	0.6	0.9	1.2							
V	4.8	3.5	2.5	2.0	1.7	1.6	1.5							

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT

Aircraft	0			Catapult	0	



TORPEDOES

TT	3	Ammo	6

18" Mk VI

Damage Class H

Settings

1,000/34

2,000/28

4,000/20

MINES

0			

RAPID FIRE BATTERIES

RF1	4	3"/40 12pdr QF			
Max Rg	7,990	16.0"	5	4	
Eff Rg	3,596	7.2"	8	6	

RF						
16	Port	2	2	1	1	0
	Stbd	2	2	1	1	0
AA	Port	0	0	0	0	0
S	Stbd	0	0	0	0	0

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)	1128	Oil (ts)	300
Engines	GT		
Boilers	16 Kampon		

Radius (nm/kts)	
10000	10

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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Yahagi

TIER	DP
1/70	129
2/80	257
3/75	386
4/85	514
5/80	643
6/90	758
7/85	874
8/95	989
9/90	1105
10	1221
10	1298

DP	1285
KTS	27

Engine Rm	1	27	0	0	0	0	0
Prop/Shaft	2	27	14	0	0	0	0
Boiler Rm	4	27	24	17	6	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
1	
Searchlights	
Port	Stbd

Speed	00-07 kt	08-13 kt	14-16 kt	17-19 kt	20+ kt		Crew
Increase	8.0	6.0	4.0	2.0	1.0		

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		3

Fuel Code	CS2A

ARMOR	0.83	Actual
1H DECK	1.9	2.3
2H TURRET	0.0	0.0
3H SUPERSTR	0.6	0.7
4V CON	3.3	4.0
5V BELT MID	2.9	3.5
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.7	0.8

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

T#	DE #	SEVERITY	DESCRIPTION

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

Yahagi

CL JAPAN 1924 to 1931

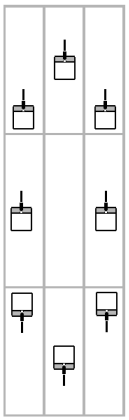
1646-1 CHIKUMA Class

Displacement	5,000 ts	*Length*	440 ft	Mitsubishi, Nagasaki	
Complement	414	*Beam*	47 ft	*Launched*	10/30/1911
Scrapped 1947		*Draft*	16.8 ft	*Completed*	07/27/1912

SEEKRIEG 5

SHIP LOG SHEET

Version 2/18/2009



8 x 15cm/45 Type 41 — 16

Max ROF	Range		Shell Size/Weight	
5.0 sh/min	16,189 yds	32.4"	6.0"	100.0 lbs.

Fire Control			FC Radar	+ 0
2		1S2	None	

AP	SAP
COM	HE

AA	0.0	Level	S	Ammunition	120 rpg	960

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

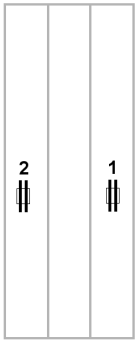
APC / PENETRATION TABLE

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	6.6	5.6	4.7	4.0	3.3	2.6	2.4						
Rge	S	S	S	M	M	M	L	L						
H	0.2	0.3	0.4	0.5	0.6	0.7	1.0	1.3						
V	6.4	5.1	4.0	3.1	2.5	2.1	1.7	1.6						

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT

Aircraft	0			Catapult	0	



TORPEDOES

TT	4	Ammo	8

53cm Type 6

Damage Class	E

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

MINES

0			

RAPID FIRE BATTERIES

RF1 — 4 — 3"/40 12pdr QF

Max Rg	7,990	16.0"	5	4
Eff Rg	3,596	7.2"	8	6

RF 16	Port	2	2	1	1	0
	Stbd	2	2	1	1	0
AA S	Port	0	0	0	0	0
	Stbd	0	0	0	0	0

RF2 — 2 — 8cm/40 Type 3

Max Rg	11,800	23.6"	7	5
Eff Rg	5,310	10.6"	11	8

RF 18	Port	1	1	1	0	0
	Stbd	1	1	1	0	0
AA H	Port	2	2	1	1	0
	Stbd	2	2	1	1	0

RF3 — None

Max Rg		
Eff Rg		

RF	Port					
	Stbd					
AA	Port					
	Stbd					

Coal (ts)	1128	Oil (ts)	300
Engines	GT		
Boilers	16 Kampon		

Radius (nm/kts)	
10000	10

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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Yahagi

TIER	DP
1/70	129
2/80	257
3/75	386
4/85	514
5/80	643
6/90	758
7/85	874
8/95	989
9/90	1105
10	1221
10	1298

DP	1285
KTS	26

Engine Rm	1	26	0	0	0	0	0
Prop/Shaft	2	26	13	0	0	0	0
Boiler Rm	4	26	24	16	6	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
1	
Searchlights	
Port	Stbd

Speed	00-07 kt	08-13 kt	14-16 kt	17-19 kt	20+ kt		Crew
Increase	8.0	6.0	4.0	2.0	1.0		

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		3

Fuel Code	CS2A

ARMOR	0.83	Actual
1H DECK	1.9	2.3
2H TURRET	0.0	0.0
3H SUPERSTR	0.6	0.7
4V CON	3.3	4.0
5V BELT MID	2.9	3.5
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.7	0.8

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