

Bight 1916 German Scouting Group

Initial conditions

Wind WSW at 3 knots

Visibility 10,000-12,000 yards, improving, best toward NE

Unit	Pos (in.)	Crs	Spd(ord/max/unit max)		
I.A.G. in formation Line Ahead					
flagship Lutzow	-20N 84E	330	0	28	27
II.A.G.a in formation Line Ahead					
flagship Moltke	8N 84E	330	10	27	27
II.A.G.b in formation Line Ahead					
flagship Von der Tann	0N 48E	330	10	27	25
III.A.G. in formation Screen					
flagship Breslau	24N 60E	000	10	29	29
screen Magdeburg	24N 72E	000	10	29	
screen Stralsund	24N 48E	000	10	29	
screen Strassburg	24N 84E	000	10	29	
IV.A.G. in formation Screen 45 Port					
flagship Frankfurt	0N 24E	000	10	28	27
screen Wiesbaden	8N 32E	000	10	28	
screen Ebling	-8N 16E	000	10	27	
screen Pillau	17N 41E	000	10	27	
HF-IV	H-Flot IV (5)	000	10	33	33
HF-V	H-Flot V (5)	000	10	33	33
HF-VI	H-Flot VI (5)	000	10	34	34
HF-VII	H-Flot VII (5)	000	10	34	34
HNW	Heligoland NW	315	0	0	0
HSW	Heligoland SE	330	0	0	0
HC	Heligoland Center	250	0	0	0

Turn 1 (5 min) Real Time 01:13:59 PM Visibility 10,500-12,500 yards, improving, best NE

H-Flot VII (5) reports smoke bearing NW

H-Flot VI (5) reports smoke bearing WNW

Sighted Invincible class BC 24N 03E, Crs 090, Spd 20 from H-Flot VII (5)

Sighted Invincible class BC 24N 03E, Crs 090, Spd 20 from H-Flot VII (5)

another 24N 02E, Crs 090, Spd 20

H-Flot VI (5) launches torpedoes and turns to east

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
I.A.G.	Lutzow	-20N 84E	330	00	00	00.0	28	27
II.A.G.a	Moltke	11N 82E	330	10	10	10.0	27	27
II.A.G.b	Von der Tann	03N 46E	330	10	10	10.0	27	25
III.A.G.	Breslau	27N 60E	000	10	10	10.0	29	29
	screen Magdeburg	27N 72E	000	10	10	10.0	29	--
	screen Stralsund	27N 48E	000	10	10	10.0	29	--
	screen Strassburg	27N 84E	000	10	10	10.0	29	--
IV.A.G.	Frankfurt	03N 24E	000	10	10	10.0	28	27
	screen Wiesbaden	12N 32E	000	10	10	10.0	28	--
	screen Ebling	-05N 16E	000	10	10	10.0	27	--
	screen Pillau	20N 41E	000	10	10	10.0	27	--
HF-IV	H-Flot IV (5)(5)	35N 76E	000	10	10	10.0	33	33
HF-V	H-Flot V (5)(5)	35N 54E	000	10	10	10.0	33	33
HF-VI	H-Flot VI (5)(5)	22N 33E	090	10	10	10.0	34	34
HF-VII	H-Flot VII (5)(5)	07N 16E	000	10	10	10.0	34	34
HNW	Heligoland NW	29N 96E	315	00	00	00.0	00	0
HSW	Heligoland SE	27N 96E	330	00	00	00.0	00	0
HC	Heligoland Center	28N 96E	250	00	00	00.0	00	0

Hits Heavy caliber Medium caliber

Turn 2 (10 min) Real Time 01:28:44 PM Visibility 11,100-13,100 yards, improving, best NE

H-Flot V (5) launches torpedoes and turns to southeast
H-Flot V (5) reports smoke bearing NNW
H-Flot V (5) reports smoke bearing NW
H-Flot VI (5) reports smoke bearing N
Sighted 4 funneled cruiser ----- 28N 19E, Crs 090, Spd 20 from H-Flot VI (5)
Sighted 4 funneled cruiser ----- 26N 19E, Crs 120, Spd 20 from H-Flot VI (5)
another ----- 26N 19E, Crs 120, Spd 20
another ----- 25N 18E, Crs 120, Spd 20

Visible to opposing side:
HF-VI ----- H-Flot VI (5)
HF-VII ----- H-Flot VII (5)

Firing Ship Target ship or class Range yds Arc Obstruction
H-Flot VI (5) -----> Bristol 5,522
H-Flot VII (5) -----> Bristol 6,326

Table with columns: Unit, Lead, screen, out of form., Pos (in.), Crs, Spd(ord/cur/avg /max/unit)

Hits Heavy caliber Medium caliber

Turn 3 (15 min) Real Time 01:52:00 PM Visibility 11,500-13,600 yards, improving, best NE

H-Flot VI (5) reports smoke bearing NNW
H-Flot V (5) reports smoke bearing NW
H-Flot V (5) reports smoke bearing N

Visible to opposing side:
II.A.G.b ---- Von der Tann
II.A.G.b ---- Blucher
IV.A.G. ----- Frankfurt
IV.A.G. ----- Wiesbaden
IV.A.G. ----- Ebling
HF-V ----- H-Flot V (5)

Firing Ship Target ship or class Range yds Arc Obstruction
Frankfurt -----> 3 Bristol 5,824
H-Flot VI (5) -----> 1 Bristol 6,503 H-Flot VI (5) downwind

indep.	Pillau -----	23N 59E	060	25	24	22.8	27	--
HF-IV	H-Flot IV (5) reform -----	48N 84E	116	31	26	26.0	33	33
HF-V	H-Flot V (5) reform -----	47N 58E	030	31	23	19.8	33	33
HF-VI	H-Flot VI (5) reform -----	23N 42E	180	32	26	24.0	34	34
HF-VII	H-Flot VII (5)(3) -----	05N 33E	130	34	31	27.4	34	34
HNW	Heligoland NW -----	29N 96E	315	00	00	00.0	00	0
HSW	Heligoland SE -----	27N 96E	330	00	00	00.0	00	0
HC	Heligoland Center -----	28N 96E	250	00	00	00.0	00	0

Hits Heavy caliber Medium caliber
Ebling ----- 1 hit, 1 total

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Turn 5 (25 min) Real Time 02:37:34 PM Visibility 12,500-14,600 yards, improving,
best NE

Visible to opposing side:
II.A.G.a ---- Moltke
II.A.G.a ---- Goeben
HF-IV ----- H-Flot IV (5)

Firing Ship	Target ship or class	Range yds	Arc	Obstruction
Wiesbaden ----->	1 Bristol	7,478		
H-Flot V (5) ----->	4 Arethusa	5,408		
H-Flot VI (5) target obscured by	ship			

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
I.A.G. -----	Lutzow -----	-03N 77E	330	25	23	21.2	28	27
II.A.G.a ----	Moltke -----	28N 64E	300	25	25	24.4	27	27
II.A.G.b ----	Von der Tann -----	25N 54E	000	23	23	22.4	27	25
III.A.G. ----	Breslau -----	33N 85E	090	27	27	27.0	29	29
screen	Magdeburg -----	21N 90E	090	27	26	24.0	29	--
6592 yds	Stralsund -----	40N 72E	079	27	28	27.6	29	--
5544 yds	Strassburg -----	12N 95E	157	27	28	27.4	29	--
IV.A.G. -----	Frankfurt -----	08N 49E	090	25	25	24.6	28	27
indep.	Wiesbaden -----	24N 51E	000	25	24	23.0	28	--
indep.	Pillau -----	31N 59E	000	25	24	22.8	27	--
HF-IV	H-Flot IV (5) reform -----	57N 84E	000	31	26	24.0	33	33
HF-V	H-Flot V (5)(5) -----	43N 65E	120	31	24	21.8	33	33
HF-VI	H-Flot VI (5)(4) -----	14N 47E	150	32	31	29.4	34	34
HF-VII	H-Flot VII (5)(3) -----	-01N 42E	120	34	32	31.6	34	34
HNW	Heligoland NW -----	29N 96E	315	00	00	00.0	00	0
HSW	Heligoland SE -----	27N 96E	330	00	00	00.0	00	0
HC	Heligoland Center -----	28N 96E	250	00	00	00.0	00	0

Hits Heavy caliber Medium caliber
H-Flot VI (5) medium damage

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Turn 6 (30 min) Real Time 02:59:00 PM Visibility 13,000-15,200 yards, improving,
best NE

Sighted 3 funneled cruiser ----- 46N 71E, Crs 045, Spd 25 from H-Flot IV (5)
Sighted 3 funneled cruiser ----- 44N 69E, Crs 110, Spd 15 from H-Flot IV (5)
Visible to opposing side:
IV.A.G. ----- Pillau

Firing Ship	Target ship or class	Range yds	Arc	Obstruction
Von der Tann ----->	1 Bristol	5,790	6	
Blucher ----->	4 Bristol	6,535	S	Von der Tann 2 pts P
Wiesbaden ----->	1 Bristol	4,443		
Pillau target obscured by	Von der Tann			
H-Flot IV (5) ----->	1 Arethusa	4,382		

H-Flot V (5) -----> 4 Arethusa 5,061
 H-Flot V (5) launches torpedoes and turns to south

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
I.A.G. -----	Lutzow -----	-15N 73E	330	25	25	24.6	28	27
II.A.G.a ----	Moltke -----	15N 64E	000	25	23	22.2	27	27
II.A.G.b ----	Von der Tann -----	12N 54E	000	23	23	23.0	27	25
III.A.G. ----	Breslau -----	17N 80E	300	27	23	21.4	29	29
	9937 yds Magdeburg -----	07N 87E	326	27	22	20.4	29	--
	5322 yds Stralsund -----	15N 67E	239	27	24	22.4	29	--
	20576 yds Strassburg -----	-04N 91E	330	27	24	22.4	29	--
IV.A.G. -----	Frankfurt -----	-08N 56E	060	25	25	24.6	28	27
	indep. Wiesbaden -----	12N 51E	000	25	25	25.0	28	--
	indep. Pillau -----	19N 59E	000	25	25	24.8	27	--
HF-IV -----	H-Flot IV (5) reform -----	46N 84E	000	31	31	29.8	33	33
HF-V -----	H-Flot V (5)(5) -----	25N 71E	150	31	28	25.2	33	33
HF-VI -----	H-Flot VI (5)(4) -----	-01N 55E	060	32	26	24.6	34	34
HF-VII -----	H-Flot VII (5)(3) -----	-16N 51E	060	34	30	29.2	34	34
HNW -----	Heligoland NW -----	09N 96E	315	00	00	00.0	00	0
HSW -----	Heligoland SE -----	07N 96E	330	00	00	00.0	00	0
HC -----	Heligoland Center -----	08N 96E	250	00	00	00.0	00	0
Hits				Heavy caliber		Medium caliber		
1 Bristol class -----				3 hits, 3 total				

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 Turn 7 (35 min) Real Time 03:20:54 PM Visibility 13,400-15,800 yards, improving, best NE

Visible to opposing side:
 III.A.G. ---- Breslau

Firing Ship	Target ship or class	Range yds	Arc	Obstruction
Moltke target obscured by ship				
Goeben target obscured by ship				
Von der Tann target obscured by 1st Flotilla (10)				
Blucher target obscured by ship				
Wiesbaden -----> Bristol		4,934		enemy making smoke
H-Flot IV (5) target obscured by ship				
H-Flot V (5) target obscured by ship				

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
I.A.G. -----	Lutzow -----	-07N 73E	000	25	25	24.2	28	27
II.A.G.a ----	Moltke -----	22N 68E	030	25	24	23.0	27	27
II.A.G.b ----	Von der Tann -----	20N 54E	000	23	23	23.0	27	25
III.A.G. ----	Breslau -----	25N 80E	000	27	26	23.4	29	29
	4903 yds Magdeburg -----	15N 89E	009	27	26	24.6	29	--
	1447 yds Stralsund -----	22N 67E	004	27	22	20.4	29	--
	11539 yds Strassburg -----	05N 93E	014	27	26	24.8	29	--
IV.A.G. -----	Frankfurt -----	-04N 63E	060	25	25	25.0	28	27
	indep. Wiesbaden -----	20N 51E	000	25	25	25.0	28	--
	indep. Pillau -----	28N 59E	000	25	25	25.0	27	--
HF-IV -----	H-Flot IV (5) reform -----	41N 88E	150	31	26	24.6	33	33
HF-V -----	H-Flot V (5)(5) -----	25N 79E	090	31	28	24.0	33	33
HF-VI -----	H-Flot VI (5)(4) -----	07N 60E	030	32	31	29.4	34	34
HF-VII -----	H-Flot VII (5)(3) -----	-07N 56E	030	32	31	30.6	34	34
HNW -----	Heligoland NW -----	09N 96E	315	00	00	00.0	00	0
HSW -----	Heligoland SE -----	07N 96E	330	00	00	00.0	00	0
HC -----	Heligoland Center -----	08N 96E	250	00	00	00.0	00	0
Hits				Heavy caliber		Medium caliber		
Bristol class -----				1 hit, 4 total				

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Turn 8 (40 min) Real Time 03:51:32 PM Visibility 13,900-16,200 yards, improving,
best NE

Blucher avoiding torpedoes (toward)

Firing Ship	Target ship or class	Range yds	Arc	Obstruction
Von der Tann	target obscured by ship			
Blucher	target obscured by ship			
Breslau	-----> 1 Arethusa	4,662	2	
Stralsund	-----> 2 Arethusa	6,264		
Wiesbaden	-----> Bristol	8,670		
Pillau	target obscured by ship			
H-Flot IV (5)	-----> 1 Arethusa	3,800		
H-Flot V (5)	-----> 3 Arethusa	4,489		
H-Flot VI (5)	target obscured by ship			
H-Flot IV (5) launches torpedoes and turns to southeast				

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)					
I.A.G.	----- Lutzow	00N 69E	330	25	25	24.2	28	27	
II.A.G.a	---- Moltke	18N 71E	150	25	18	18.0	27	27	
II.A.G.b	---- Von der Tann	16N 58E	150	23	18	17.8	27	25	
	1298 yds Blucher	20N 58E	166	23	11	17.6	25	--	
III.A.G.	---- Breslau	33N 78E	350	27	27	26.6	29	29	
	5670 yds Magdeburg	24N 89E	358	27	27	26.6	29	--	
	screen Stralsund	31N 66E	350	27	27	25.8	29	--	
	12822 yds Strassburg	13N 93E	004	27	27	26.8	29	--	
IV.A.G.	---- Frankfurt	04N 63E	000	25	24	23.0	28	27	
	indep. Wiesbaden	28N 55E	030	25	25	24.6	28	--	
	indep. Pillau	35N 63E	030	25	24	23.8	27	--	
HF-IV	----- H-Flot IV (5)(5)	36N 84E	150	31	26	24.0	33	33	
HF-V	----- H-Flot V (5) reform	33N 79E	000	31	25	23.6	33	33	
HF-VI	----- H-Flot VI (5)(4)	18N 60E	000	34	31	30.6	34	34	
HF-VII	----- H-Flot VII (5)(3)	04N 56E	000	34	31	30.8	34	34	
HNW	----- Heligoland NW	09N 96E	315	00	00	00.0	00	0	
HSW	----- Heligoland SE	07N 96E	330	00	00	00.0	00	0	
HC	----- Heligoland Center	08N 96E	250	00	00	00.0	00	0	
Hits				Heavy caliber		Medium caliber			

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Turn 9 (45 min) Real Time 04:12:15 PM Visibility 14,500-16,700 yards, improving,
best NE

Breslau avoids collision; course 110

Visible to opposing side:

I.A.G. ----- Lutzow
I.A.G. ----- Derfflinger
I.A.G. ----- Hindenburg
I.A.G. ----- Seydlitz
III.A.G. ---- Magdeburg

Firing Ship	Target ship or class	Range yds	Arc	Obstruction
Lutzow	target obscured by ship			
Derfflinger	target obscured by ship			
Hindenburg	target obscured by ship			
Seydlitz	target obscured by ship			
Von der Tann	target obscured by ship			
Blucher	-----> Bristol	5,443		
Breslau	-----> 1 Arethusa	2,067		enemy making smoke
Magdeburg	-----> 1 Arethusa	4,410	2	

Stralsund target obscured by H-Flot V (5) making smoke (near)
 Wiesbaden target obscured by H-Flot V (5) making smoke (near)
 Ebling -----> Bristol 6,173
 Pillau -----> 3 Arethusa 5,009
 H-Flot IV (5) -----> 1 Arethusa 3,067
 H-Flot V (5) -----> 1 Arethusa 213
 H-Flot VI (5) target obscured by H-Flot V (5) making smoke (near)
 H-Flot VII (5) target obscured by H-Flot V (5) making smoke (near)

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Lutzow -----	08N 69E	000	25 25 24.2 28 27
II.A.G.a ----	Moltke -----	18N 77E	090	25 19 17.8 27 27
II.A.G.b ----	Von der Tann -----	10N 61E	150	23 23 21.0 27 25
	2282 yds Blucher -----	15N 59E	154	23 16 14.0 25 --
III.A.G. ----	Breslau -----	38N 81E	110	27 17 25.0 29 29
	3225 yds Magdeburg -----	31N 85E	260	27 26 27.0 29 --
	6809 yds Stralsund -----	38N 70E	080	27 24 25.4 29 --
	screen Strassburg -----	21N 91E	350	27 26 27.2 29 --
IV.A.G. ----	Frankfurt -----	11N 67E	030	25 25 24.6 28 27
	indep. Wiesbaden -----	28N 63E	090	25 24 23.0 28 --
	indep. Pillau -----	35N 71E	090	25 24 22.8 27 --
HF-IV -----	H-Flot IV (5) reform -----	40N 91E	060	31 26 22.0 33 33
HF-V -----	H-Flot V (5) reform -----	41N 84E	030	31 30 28.4 33 33
HF-VI -----	H-Flot VI (5)(4) -----	27N 65E	030	34 31 30.8 34 34
HF-VII -----	H-Flot VII (5)(3) -----	13N 61E	030	34 31 30.6 34 34
HNW -----	Heligoland NW -----	09N 96E	315	00 00 00.0 00 0
HSW -----	Heligoland SE -----	07N 96E	330	00 00 00.0 00 0
HC -----	Heligoland Center -----	08N 96E	250	00 00 00.0 00 0
Hits		Heavy caliber	Medium caliber	
Von der Tann -----		1 hit,	1 total	

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 Turn 10 (50 min) Real Time 04:36:00 PM Visibility 15,000-17,100 yards, improving,
 best NE

Visible to opposing side:
 III.A.G. ---- Strassburg

Firing Ship	Target ship or class	Range yds	Arc	Obstruction
Lutzow target obscured by ship making smoke (near)				
Derfflinger -----> 1 Indefatigable		14,019		2 pts P
Hindenburg target obscured by ship making smoke (near)				
Seydlitz target obscured by ship making smoke (near)				
Von der Tann -----> 1 Lion		11,298		
Blucher target obscured by ship making smoke (near)				
Breslau -----> 1 Arethusa		3,499		
Magdeburg target obscured by ship				
Stralsund -----> 2 Arethusa		1,553		
Wiesbaden -----> 3 Arethusa		8,133		Stralsund
Ebling -----> Bristol		3,149		
Pillau -----> 1 Arethusa		4,762		
H-Flot IV (5) -----> 1 Arethusa		1,747		Arethusa class
H-Flot V (5) -----> 1 Arethusa		4,803		enemy making smoke
downwind				
H-Flot VI (5) -----> 4 Arethusa		4,174		
H-Flot VII (5) target obscured by H-Flot V (5) making smoke (near)				
Breslau avoiding torpedoes (away)				

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Lutzow -----	15N 73E	030	25 25 24.2 28 27

