

Scenario: Jutland RTTS at 2:20 Force 1, Battle Cruiser Force

Initial conditions

Wind WSW at 12 knots
Visibility 23,000 yards (46 inches), steady

Unit	Pos (in.)	Crs	Spd(ord/max/unit max)		
1stBCS in formation Line Ahead					
leadship Lion (F) -----	4N 24E	000	19	28	28
2ndBCS in formation Line Ahead					
leadship New Zealand -----	11N 34E	000	19	26	26
5thBS in formation Line Ahead					
leadship Barham -----	14N 7E	000	19	24	24
1stLCS in formation Independent					
leadship Galatea -----	11N 101E	095	25	28	28
2ndLCS in formation Independent					
leadship Southampton -----	-48N 16E	000	19	25	25
3rdLCS in formation Independent					
leadship Falmouth -----	-6N 58E	000	19	25	25
1stFlot ----- 1st Flotilla (9) -----	17N 7E	000	19	30	
9thFlot ----- 9th Flotilla (8) -----	14N 34E	000	19	29	
13thFlot ----- 13th Flotilla (10) -----	7N 24E	000	19	34	
1stFlotL ----- Fearless -----	18N 7E	000	19	25	25
13thFlotL --- Champion -----	8N 24E	000	19	28	28
CV in formation Line Ahead					
leadship Engadine -----	-20N 66E	000	19	21	21

Turn 1 14:25 Hrs Real Time 07:54:46 AM 04/04/2020

REPORTS

Galatea reports smoke bearing E, about 9 NM, multiple ships
Sighted 9 destroyers ----- 27N 89E, Crs 350, Spd 5 from Galatea
Visible to opposing side:
 1stLCS ----- Galatea
 1stLCS ----- Phaeton

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
1stBCS -----	Lion -----	26N -23E	000	19	19	19.0	28	28
2ndBCS -----	New Zealand -----	33N -13E	000	19	19	19.0	26	26
5thBS -----	Barham -----	37N -40E	000	19	19	19.0	24	24
1stLCS -----	Galatea -----	26N 62E	095	25	25	25.0	28	28
indep.	Inconstant -----	30N 25E	000	19	19	19.0	28	--
2ndLCS -----	Southampton -----	-26N -31E	000	19	19	19.0	25	25
indep.	Nottingham -----	-12N -17E	000	19	19	19.0	25	--
3rdLCS -----	Falmouth -----	16N 11E	000	19	19	19.0	25	25
indep.	Yarmouth -----	18N -09E	000	19	19	19.0	25	--
indep.	Birkenhead -----	02N -03E	000	19	19	19.0	25	--
1stFlot -----	1st Flotilla (9)(9) -----	40N -40E	000	19	19	19.0	30	--
9thFlot -----	9th Flotilla (8)(8) -----	36N -13E	000	19	19	19.0	29	--
13thFlot -----	13th Flotilla (10)(10) ---	29N -23E	000	19	19	19.0	34	--
1stFlotL -----	Fearless -----	41N -40E	000	19	19	19.0	25	25
13thFlotL ---	Champion -----	30N -23E	000	19	19	19.0	28	28
CV -----	Engadine -----	02N 19E	000	19	19	19.0	21	21

HITS Heavy caliber Medium caliber

REPORTS

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Galatea ----->	B97	Torpedoboat	9,996	1	4
Phaeton ----->	B97	Torpedoboat	10,479	1	4 Galatea/3ptsP

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
1stBCS -----	Lion -----	34N -31E	000	19 19 19.0 28 28
2ndBCS -----	New Zealand -----	41N -21E	000	19 19 19.0 26 26
5thBS -----	Barham -----	44N -48E	000	19 19 19.0 24 24
1stLCS -----	Galatea -----	26N 62E	095	25 25 25.0 28 28
indep.	Inconstant -----	38N 17E	000	19 19 19.0 28 --
2ndLCS -----	Southampton -----	-18N -39E	000	19 19 19.0 25 25
indep.	Nottingham -----	-04N -25E	000	19 19 19.0 25 --
3rdLCS -----	Falmouth -----	24N 03E	000	19 19 19.0 25 25
indep.	Yarmouth -----	25N -18E	000	19 19 19.0 25 --
indep.	Birkenhead -----	10N -11E	000	19 19 19.0 25 --
1stFlot -----	1st Flotilla (9)(9) -----	47N -48E	000	19 19 19.0 30 --
9thFlot -----	9th Flotilla (8)(8) -----	44N -21E	000	19 19 19.0 29 --
13thFlot -----	13th Flotilla (10)(10) ---	37N -31E	000	19 19 19.0 34 --
1stFlotL -----	Fearless -----	48N -48E	000	19 19 19.0 25 25
13thFlotL ---	Champion -----	38N -31E	000	19 19 19.0 28 28
CV -----	Engadine -----	10N 10E	000	19 19 19.0 21 21

HITS

Heavy caliber Medium caliber

Orders for turn 3

Unit	Lead Ship	Crs	Spd	Formation	Primary/Torpedo
Target					
1stBCS -----	Lion -----	158	19	Line Ahead	none / none
2ndBCS -----	New Zealand -----	158	19	Line Ahead	none / none
5thBS -----	Barham -----	338	19	Relative Pos.	none / none
1stLCS -----	Galatea -----	095	25	Independent	auto B97 T / none
	Phaeton -----	095	25	Follow ahead	auto B97 T / none
	Inconstant -----	000	19	Independent	auto / none
	Cordelia -----	095	25	Follow ahead	auto / none
2ndLCS -----	Southampton -----	158	19	Independent	none / none
	Birmingham -----	000	19	Follow ahead	none / none
	Nottingham -----	158	19	Independent	none / none
	Dublin -----	000	19	Follow ahead	none / none
3rdLCS -----	Falmouth -----	090	22	Line Ahead	none / none
1stFlot -----	1st Flotilla (9) -----	000	19	Independent	none / none
	Station on Barham			bearing 000,	1500 yards
9thFlot -----	9th Flotilla (8) -----	000	19	Independent	none / none
	Station on New Zealand			bearing 000,	1500 yards
13thFlot -----	13th Flotilla (10) -----	000	19	Independent	none / none
	Station on Lion			bearing 000,	1500 yards
1stFlotL -----	Fearless -----	000	19	Independent	none / none
	Station on Barham			bearing 000,	2000 yards
13thFlotL ---	Champion -----	000	19	Independent	none / none
	Station on Lion			bearing 000,	2000 yards
CV -----	Engadine -----	000	19	Line Ahead	none / none
	Station on Lion			bearing 180,	4000 yards

Turn 3 14:35 Hrs Real Time 08:54:58 AM 04/04/2020

REPORTS

Galatea reports smoke bearing E, about 18 NM, multiple ships
Galatea reports smoke bearing ENE, about 19 NM, multiple ships

TARGETING

Table with columns: Firing Ship, Pos., Target class, Range yds, Arc, Con. Rows include Galatea and Phaeton targeting B97 Torpedoboats.

POSITIONS

Table with columns: Unit, Lead, screen, out of form., Pos (in.), Crs, Spd(ord/cur/avg /max/unit). Lists various units like 1stBCS, 2ndBCS, 5thBS, etc.

HITS

Heavy caliber Medium caliber

Turn 4 14:40 Hrs Real Time 09:03:54 AM 04/04/2020

REPORTS

Sighted 3 funneled cruiser ----- 38N 88E, Crs 250, Spd 20 from Galatea

TARGETING

Table with columns: Firing Ship, Pos., Target class, Range yds, Arc, Con. Rows include Galatea and Phaeton targeting B97 Torpedoboats.

POSITIONS

Table with columns: Unit, Lead, screen, out of form., Pos (in.), Crs, Spd(ord/cur/avg /max/unit). Lists various units like 1stBCS, 2ndBCS, 5thBS, etc.

1stLCS	----- Galatea	-----	26N 62E	095	25	25	25.0	28	28
	23127 yds	Inconstant	-----	37N 15E	099	19	26	24.8	28 --
2ndLCS	----- Southampton	-----	-27N -51E	158	19	19	19.0	25	25
	indep.	Nottingham	-----	-14N -37E	158	19	19	19.0	25 --
3rdLCS	----- Falmouth	-----	25N 00E	090	22	22	21.6	25	25
	9805 yds	Yarmouth	-----	26N -21E	091	19	22	21.6	25 --
	7437 yds	Birkenhead	-----	16N -14E	072	19	23	22.6	25 --
	6946 yds	Gloucester	-----	16N -14E	070	22	24	23.4	26 --
1stFlot	----- 1st Flotilla (9)(9)	-----	60N -71E	338	19	19	19.0	30	--
9thFlot	----- 9th Flotilla (8)(8)	-----	32N -33E	160	29	26	25.0	29	--
13thFlot	----- 13th Flotilla (10)(10)	---	24N -42E	159	34	31	27.0	34	--
1stFlotL	----- Fearless	-----	61N -71E	338	19	19	19.0	25	25
13thFlotL	--- Champion	-----	27N -44E	164	20	20	19.8	28	28
CV	----- Engadine	-----	12N -17E	277	21	18	17.6	21	21

HITS

Heavy caliber Medium caliber

Orders for turn 5

Unit	Lead Ship	Crs	Spd	Formation	Primary/Torpedo
Target					
1stBCS	----- Lion	-----	158 22	Line Ahead	none / none
2ndBCS	----- New Zealand	-----	158 22	Line Ahead	none / none
5thBS	----- Barham	-----	158 22	Line Ahead	none / none
1stLCS	----- Galatea	-----	095 25	Independent	auto B97 T / none
	Phaeton	-----	095 25	Follow ahead	auto B97 T / none
	Inconstant	-----	000 19	Line Ahead	auto / none
	Cordelia	-----	095 25	Follow ahead	auto / none
2ndLCS	----- Southampton	-----	158 19	Independent	none / none
	Birmingham	-----	158 19	Follow ahead	none / none
	Nottingham	-----	158 19	Independent	none / none
	Dublin	-----	158 19	Follow ahead	none / none
3rdLCS	----- Falmouth	-----	090 22	Line Ahead	none / none
1stFlot	----- 1st Flotilla (9)	-----	338 19	Independent	none / none
	Station on Barham			bearing 000,	1500 yards
9thFlot	----- 9th Flotilla (8)	-----	160 29	Independent	none / none
	Station on New Zealand			bearing 000,	1500 yards
13thFlot	----- 13th Flotilla (10)	-----	159 34	Independent	none / none
	Station on Lion			bearing 000,	1500 yards
1stFlotL	----- Fearless	-----	338 19	Independent	none / none
	Station on Barham			bearing 000,	2000 yards
13thFlotL	--- Champion	-----	164 20	Independent	none / none
	Station on Lion			bearing 000,	2000 yards
CV	----- Engadine	-----	277 21	Line Ahead	none / none
	Station on Lion			bearing 180,	4000 yards

Turn 5 14:45 Hrs Real Time 09:14:22 AM 04/04/2020

REPORTS

Sighted 3 funneled cruiser ----- 45N 86E, Crs 180, Spd 25 from Galatea

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Galatea	----->	Ebling	9,411	1	2
Phaeton	----->	B97 Torpedoboat	8,153	2	2

Enemy making smoke

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
1stBCS -----	Lion -----	19N -48E	158	22	22	22.0	28	28
1000 yds	Queen Mary -----	23N -50E	158	22	22	20.0	28	--
1233 yds	Tiger -----	24N -50E	158	22	21	19.0	29	--
2ndBCS -----	New Zealand -----	26N -39E	158	22	22	22.0	26	26
5thBS -----	Barham -----	54N -75E	158	22	16	15.6	24	24
1stLCS -----	Galatea -----	26N 62E	095	25	25	25.0	28	28
22869 yds	Inconstant -----	36N 16E	098	28	27	26.4	28	--
1146 yds	Cordelia -----	37N 13E	102	25	26	25.8	28	--
2ndLCS -----	Southampton -----	-32N -57E	158	19	19	19.0	25	25
indep.	Nottingham -----	-20N -43E	158	19	19	19.0	25	--
3rdLCS -----	Falmouth -----	26N -01E	090	22	22	22.0	25	25
9602 yds	Yarmouth -----	27N -21E	091	19	24	23.2	25	--
6736 yds	Birkenhead -----	19N -15E	075	19	24	23.8	25	--
6030 yds	Gloucester -----	19N -14E	074	22	25	24.6	26	--
1stFlot -----	1st Flotilla (9)(9) -----	56N -76E	161	30	21	18.6	30	--
9thFlot -----	9th Flotilla (8)(8) -----	24N -38E	158	22	22	23.8	29	--
13thFlot -----	13th Flotilla (10)(10) -----	17N -47E	158	22	22	22.0	34	--
1stFlotL -----	Fearless -----	56N -79E	158	25	19	17.0	25	25
13thFlotL -----	Champion -----	21N -49E	158	25	25	24.0	28	28
CV -----	Engadine -----	14N -32E	275	21	20	19.2	21	21

HITS

Heavy caliber

Medium caliber

Turn 6 14:50 Hrs Real Time 12:41:55 PM 04/04/2020

REPORTS

Galatea reports smoke bearing ENE, about 14 NM, multiple ships
Sighted Derfflinger class BC ----- 01N 145E, Crs 250, Spd 15 from Galatea
 another ----- 03N 145E, Crs 250, Spd 20
Sighted Seydlitz class BC ----- 05N 146E, Crs 250, Spd 20 from Galatea
Sighted Moltke class BC ----- 06N 146E, Crs 250, Spd 15 from Galatea
Sighted Von Der Tann class BC ----- 07N 146E, Crs 250, Spd 15 from Galatea

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Galatea ----->	Ebling -----		8,640	2	2
Phaeton ----->	Ebling -----		11,032	2	2 Galatea/4ptsP

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
1stBCS -----	Lion -----	03N -07E	158	22	22	22.0	28	28
633 yds	Queen Mary -----	06N -09E	158	22	25	24.2	28	--
933 yds	Tiger -----	08N -09E	158	22	25	23.8	29	--
2ndBCS -----	New Zealand -----	10N 02E	158	22	22	22.0	26	26
5thBS -----	Barham -----	39N -35E	158	22	20	18.8	24	24
967 yds	Valiant -----	43N -36E	158	22	16	14.0	24	--
1167 yds	Malaya -----	44N -37E	158	22	14	11.8	24	--
1stLCS -----	Galatea -----	11N 106E	140	26	25	23.8	28	28
22133 yds	Inconstant -----	23N 62E	121	28	26	26.2	28	--
982 yds	Cordelia -----	24N 59E	117	25	27	27.0	28	--
2ndLCS -----	Southampton -----	-47N -16E	158	19	19	19.0	25	25
indep.	Nottingham -----	-35N -02E	158	19	19	19.0	25	--
3rdLCS -----	Falmouth -----	16N 45E	090	23	23	22.6	25	25
9332 yds	Yarmouth -----	17N 25E	091	19	25	24.2	25	--
6107 yds	Birkenhead -----	12N 31E	079	19	25	24.8	25	--
5223 yds	Gloucester -----	12N 32E	078	22	26	25.6	26	--
1stFlot -----	1st Flotilla (9)(9) -----	39N -35E	159	30	27	25.8	30	--

9thFlot	-----	9th Flotilla (8)(8)	-----	08N 03E	158	22	22	22.0	29	--
13thFlot	----	13th Flotilla (10)(10)	---	00N -06E	158	22	22	22.0	34	--
1stFlotL	----	Fearless	-----	41N -36E	144	21	21	21.0	25	25
13thFlotL	---	Champion	-----	04N -07E	158	25	25	25.0	28	28
CV	-----	Engadine	-----	04N -01E	272	21	21	20.2	21	21

HITS Heavy caliber Medium caliber

Turn 7 14:55 Hrs Real Time 01:03:43 PM 04/04/2020

REPORTS

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Galatea ----->	Ebling	-----	8,829	2	2
Phaeton ----->	Ebling	-----	9,868	2	2 Galatea/4ptsS

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
1stBCS -----	Lion -----	02N -10E	135	22 22 22.0 28 28
2ndBCS -----	New Zealand -----	10N 00E	135	22 22 21.8 26 26
5thBS -----	Barham -----	37N -40E	158	22 22 21.4 24 24
1400 yds	Valiant -----	41N -41E	158	22 20 18.8 24 --
1900 yds	Malaya -----	43N -42E	158	22 19 17.0 24 --
1stLCS -----	Galatea -----	19N 93E	315	26 23 21.0 28 28
18960 yds	Inconstant -----	32N 60E	049	28 24 22.6 28 --
20603 yds	Cordelia -----	34N 58E	053	25 25 23.6 28 --
2ndLCS -----	Southampton -----	-49N -21E	158	19 19 19.0 25 25
indep.	Nottingham -----	-36N -07E	158	19 19 19.0 25 --
3rdLCS -----	Falmouth -----	21N 45E	090	23 23 23.0 25 25
8997 yds	Yarmouth -----	22N 26E	091	19 25 25.0 25 --
5619 yds	Birkenhead -----	18N 32E	082	19 25 25.0 25 --
4553 yds	Gloucester -----	18N 33E	081	22 26 26.0 26 --
1stFlot -----	1st Flotilla (9)(9) -----	34N -39E	158	22 22 24.2 30 --
9thFlot -----	9th Flotilla (8)(8) -----	07N 02E	135	22 22 21.8 29 --
13thFlot -----	13th Flotilla (10)(10) ---	00N -08E	135	22 22 22.0 34 --
1stFlotL -----	Fearless -----	39N -41E	153	25 23 22.0 25 25
13thFlotL ---	Champion -----	02N -09E	136	25 25 24.6 28 28
CV -----	Engadine -----	09N -15E	271	21 21 21.0 21 21

HITS Heavy caliber Medium caliber

Turn 8 14:60 Hrs Real Time 01:15:24 PM 04/04/2020

REPORTS

Phaeton reports smoke bearing NE, about 12 NM, multiple ships
 Sighted 3 funneled cruiser ----- 46N 107E, Crs 220, Spd 20 from Galatea
 Sighted 3 funneled cruiser ----- 45N 108E, Crs 235, Spd 25 from Galatea

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Galatea ----->	Ebling	-----	9,253	2	
Phaeton ----->	Ebling	-----	9,015	2	2 Galatea/3ptsS

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
1stBCS	----- Lion	----- -08N -11E	135	22	22	22.0	28	28
2ndBCS	----- New Zealand	----- -01N -01E	135	22	22	22.0	26	26
5thBS	----- Barham	----- 28N -40E	120	22	21	20.8	24	24
	1125 yds Valiant	----- 31N -42E	130	22	22	21.4	24	--
	1770 yds Malaya	----- 33N -44E	134	22	21	20.6	24	--
1stLCS	----- Galatea	----- 19N 81E	315	26	26	25.4	28	28
	13894 yds Inconstant	----- 33N 60E	045	28	26	25.0	28	--
	15321 yds Cordelia	----- 34N 58E	047	25	26	25.6	28	--
2ndLCS	----- Southampton	----- -59N -23E	135	19	19	19.0	25	25
	indep. Nottingham	----- -46N -09E	135	19	19	19.0	25	--
3rdLCS	----- Falmouth	----- 15N 46E	090	23	23	23.0	25	25
	8661 yds Yarmouth	----- 16N 28E	091	19	25	25.0	25	--
	5200 yds Birkenhead	----- 13N 34E	084	19	25	25.0	25	--
	3967 yds Gloucester	----- 14N 36E	084	22	26	26.0	26	--
1stFlot	----- 1st Flotilla (9)(9)	----- 26N -37E	120	21	21	20.8	30	--
9thFlot	----- 9th Flotilla (8)(8)	----- -03N 01E	135	22	22	22.0	29	--
13thFlot	----- 13th Flotilla (10)(10)	----- -10N -09E	135	22	22	22.0	34	--
1stFlotL	----- Fearless	----- 29N -41E	130	25	23	22.4	25	25
13thFlotL	----- Champion	----- -09N -10E	135	24	24	23.8	28	28
CV	----- Engadine	----- 00N -19E	134	21	16	15.8	21	21

HITS

Heavy caliber

Medium caliber

Turn 9

15:05 Hrs

Real Time 01:28:31 PM 04/04/2020

REPORTS

Sighted 4 funneled cruiser ----- 33N 104E, Crs 250, Spd 30 from Galatea
Visible to opposing side:
1stLCS ----- Inconstant
1stLCS ----- Cordelia

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Galatea ----->	Ebling	-----	9,386	2	2
Phaeton ----->	Ebling	-----	8,611	2	4 Galatea/3ptsS
Inconstant ----->	Ebling	-----	13,472	1	4

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
1stBCS	----- Lion	----- -14N -09E	090	22	22	21.4	28	28
2ndBCS	----- New Zealand	----- -07N 01E	090	22	22	20.8	26	26
5thBS	----- Barham	----- 18N -39E	120	22	22	21.8	24	24
	894 yds Valiant	----- 20N -42E	123	22	23	22.6	24	--
	1505 yds Malaya	----- 22N -44E	126	22	23	22.2	24	--
1stLCS	----- Galatea	----- 18N 70E	315	23	23	23.0	28	28
	6824 yds Inconstant	----- 27N 62E	119	28	25	24.8	28	--
	7817 yds Cordelia	----- 27N 61E	117	25	27	26.4	28	--
2ndLCS	----- Southampton	----- -65N -22E	090	19	19	18.8	25	25
	indep. Nottingham	----- -52N -08E	090	19	19	18.8	25	--
3rdLCS	----- Falmouth	----- 09N 49E	090	23	23	23.0	25	25
	8328 yds Yarmouth	----- 10N 31E	090	19	25	25.0	25	--
	4823 yds Birkenhead	----- 08N 37E	086	19	25	25.0	25	--
	3429 yds Gloucester	----- 08N 39E	086	22	26	26.0	26	--
1stFlot	----- 1st Flotilla (9)(9)	----- 17N -36E	120	22	22	21.6	30	--
9thFlot	----- 9th Flotilla (8)(8)	----- -07N 04E	090	21	21	20.4	29	--
13thFlot	----- 13th Flotilla (10)(10)	----- -14N -06E	090	22	22	21.0	34	--
1stFlotL	----- Fearless	----- 19N -40E	123	24	24	23.4	25	25

13thFlotL --- Champion -----	-14N -08E	085	22	22	21.6	28	28
CV ----- Engadine -----	-10N -20E	133	21	18	17.6	21	21

HITS Heavy caliber Medium caliber

Turn 10 15:10 Hrs Real Time 01:35:04 PM 04/04/2020

REPORTS

Visible to opposing side:
3rdLCS ----- Falmouth

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con	
Obstruction/problem						
Galatea ----->	Ebling -----		9,386	2	2	Cordelia
Phaeton ----->	1 Frankfurt -----		11,081	2	2	Galatea/3ptsS
Inconstant ----->	2 Frankfurt -----		12,640	S		Frankfurt
class/Range rate high						
Cordelia ----->	Ebling -----		8,344	2	2	Galatea

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
1stBCS -----	Lion -----	-14N -10E	090	22 22 22.0 28 28
2ndBCS -----	New Zealand -----	-07N 00E	090	22 22 22.0 26 26
5thBS -----	Barham -----	15N -41E	120	22 22 22.0 24 24
617 yds	Valiant -----	16N -43E	121	22 24 23.6 24 --
1263 yds	Malaya -----	18N -45E	122	22 24 23.2 24 --
1stLCS -----	Galatea -----	24N 57E	315	23 23 23.0 28 28
2ndLCS -----	Southampton -----	-64N -24E	090	19 19 19.0 25 25
indep.	Nottingham -----	-52N -10E	090	19 19 19.0 25 --
3rdLCS -----	Falmouth -----	10N 48E	090	23 23 23.0 25 25
7994 yds	Yarmouth -----	10N 31E	090	19 25 25.0 25 --
4469 yds	Birkenhead -----	09N 37E	087	19 25 25.0 25 --
2915 yds	Gloucester -----	09N 39E	088	22 26 26.0 26 --
1stFlot -----	1st Flotilla (9)(9) -----	13N -38E	120	22 22 22.0 30 --
9thFlot -----	9th Flotilla (8)(8) -----	-07N 03E	090	22 22 22.0 29 --
13thFlot -----	13th Flotilla (10)(10) -----	-14N -07E	090	22 22 22.0 34 --
1stFlotL -----	Fearless -----	15N -41E	120	25 25 24.2 25 25
13thFlotL ---	Champion -----	-14N -08E	090	24 24 24.0 28 28
CV -----	Engadine -----	-13N -22E	116	21 20 19.2 21 21

HITS Heavy caliber Medium caliber

Orders for turn 11

Unit	Lead Ship	Crs	Spd	Formation	Primary/Torpedo
Target					
1stBCS -----	Lion -----	090	22	Line Ahead	none / none
2ndBCS -----	New Zealand -----	090	22	Line Ahead	none / none
5thBS -----	Barham -----	120	22	Line Ahead	none / none
1stLCS -----	Galatea -----	315	23	Line Ahead	auto Eblin / none
2ndLCS -----	Southampton -----	090	19	Independent	none / none
	Birmingham -----	090	19	Follow ahead	none / none
	Nottingham -----	090	19	Independent	none / none
	Dublin -----	090	19	Follow ahead	none / none
3rdLCS -----	Falmouth -----	315	23	Line Ahead	auto / none
1stFlot -----	1st Flotilla (9) -----	120	22	Independent	none / none
	Station on Barham			bearing 000, 1500 yards	
9thFlot -----	9th Flotilla (8) -----	090	22	Independent	none / none

	Station on New Zealand			bearing 000,	1500 yards
13thFlot	---- 13th Flotilla (10) -----	090	22	Independent	none / none
	Station on Lion			bearing 000,	1500 yards
1stFlotL	---- Fearless -----	120	25	Independent	none / none
	Station on Barham			bearing 000,	2000 yards
13thFlotL	--- Champion -----	090	24	Independent	none / none
	Station on Lion			bearing 000,	2000 yards
CV	----- Engadine -----	116	21	Line Ahead	none / none
	Station on Lion			bearing 180,	4000 yards
	No. 8359 -----	022	60	Independent	none / none

Turn 11 15:15 Hrs Real Time 08:29:36 AM 04/05/2020

REPORTS

Sighted 8 destroyers ----- 32N 86E, Crs 210, Spd 20 from Cordelia
Sighted 8 destroyers ----- 28N 83E, Crs 245, Spd 30 from Cordelia
Visible to opposing side:
3rdLCS ----- Yarmouth
3rdLCS ----- Birkenhead
3rdLCS ----- Gloucester

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Galatea ----->	Ebling -----		9,386	2	2
Phaeton ----->	1 Frankfurt -----		8,954	2	3 Galatea/3ptsS
Inconstant ----->	2 Frankfurt -----		9,163	2	2 Frankfurt class
Cordelia ----->	1 Frankfurt -----		8,415	2	3

Inconstant/3ptsS

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
1stBCS -----	Lion -----	-10N -07E	090	22 22 22.0 28 28
2ndBCS -----	New Zealand -----	-03N 03E	090	22 22 22.0 26 26
5thBS -----	Barham -----	15N -39E	120	22 22 22.0 24 24
	922 yds Malaya -----	18N -43E	121	22 24 24.0 24 --
1stLCS -----	Galatea -----	34N 47E	315	23 23 23.0 28 28
2ndLCS -----	Southampton -----	-60N -21E	090	19 19 19.0 25 25
	indep. Nottingham -----	-48N -08E	090	19 19 19.0 25 --
3rdLCS -----	Falmouth -----	18N 41E	315	23 21 19.0 25 25
	5276 yds Yarmouth -----	20N 31E	036	19 22 21.6 25 --
	2581 yds Birkenhead -----	19N 38E	038	19 22 22.2 25 --
1stFlot -----	1st Flotilla (9)(9) -----	14N -36E	120	22 22 22.0 30 --
9thFlot -----	9th Flotilla (8)(8) -----	-03N 06E	090	22 22 22.0 29 --
13thFlot -----	13th Flotilla (10)(10) ---	-10N -04E	090	22 22 22.0 34 --
1stFlotL ----	Fearless -----	15N -38E	120	25 25 25.0 25 25
13thFlotL ---	Champion -----	-10N -04E	090	24 24 24.0 28 28
CV -----	Engadine -----	-10N -20E	098	21 21 20.2 21 21
	indep. No. 8359 -----	09N -20E	022	60 60 53.2 77 --

HITS

Heavy caliber Medium caliber

Turn 12 15:20 Hrs Real Time 08:41:42 AM 04/05/2020

REPORTS

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Galatea ----->	Ebling -----		9,386	2	2
Phaeton ----->	1 Frankfurt -----		8,466	2	5 Galatea/3ptsS
Inconstant ----->	2 Frankfurt -----		8,507	2	2 Phaeton/3ptsS
Cordelia ----->	1 Frankfurt -----		7,897	2	4
Inconstant/3ptsS					
Gloucester ----->	1 Frankfurt -----		14,121	2	4
Birkenhead/4ptsS					

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)					
1stBCS -----	Lion -----	-10N 04E	045	22	22	21.4	28	28	
2ndBCS -----	New Zealand -----	-03N 13E	045	22	22	20.8	26	26	
5thBS -----	Barham -----	10N -26E	090	22	21	20.8	24	24	
1stLCS -----	Galatea -----	34N 47E	315	23	23	23.0	28	28	
2ndLCS -----	Southampton -----	-61N -12E	045	19	19	18.8	25	25	
	indep. Nottingham -----	-49N 02E	045	19	19	18.8	25	--	
3rdLCS -----	Falmouth -----	18N 41E	315	23	23	22.0	25	25	
	912 yds Birkenhead -----	16N 44E	303	23	12	17.2	25	--	
	852 yds Gloucester -----	15N 45E	308	23	19	17.6	26	--	
1stFlot -----	1st Flotilla (9)(9) -----	10N -23E	090	21	21	21.0	30	--	
9thFlot -----	9th Flotilla (8)(8) -----	-01N 15E	045	21	21	20.4	29	--	
13thFlot -----	13th Flotilla (10)(10) -----	-08N 06E	045	22	22	21.0	34	--	
1stFlotL -----	Fearless -----	10N -25E	089	22	22	21.8	25	25	
13thFlotL -----	Champion -----	-09N 05E	039	23	23	21.4	28	28	
CV -----	Engadine -----	-14N -07E	085	21	21	21.0	21	21	
	indep. No. 8359 -----	22N -07E	022	60	60	60.0	77	--	

HITS Heavy caliber Medium caliber

Turn 13 15:25 Hrs Real Time 08:56:35 AM 04/05/2020

REPORTS

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Galatea ----->	Ebling -----		9,386	2	2
Phaeton ----->	1 Frankfurt -----		8,267	2	5 Galatea/3ptsS
Inconstant ----->	2 Frankfurt -----		8,267	2	2 Phaeton/3ptsS
Cordelia ----->	1 Frankfurt -----		7,726	2	6
Inconstant/3ptsS					
Falmouth ----->	1 Frankfurt -----		13,804		6
Gloucester ----->	1 Frankfurt -----		14,018	2	6

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)					
1stBCS -----	Lion -----	-10N 15E	045	22	22	22.0	28	28	
2ndBCS -----	New Zealand -----	-03N 24E	045	22	22	22.0	26	26	
5thBS -----	Barham -----	09N -16E	045	23	21	20.2	24	24	
1stLCS -----	Galatea -----	34N 47E	315	23	23	23.0	28	28	
2ndLCS -----	Southampton -----	-62N -02E	045	19	19	19.0	25	25	
	indep. Nottingham -----	-50N 12E	045	19	19	19.0	25	--	
3rdLCS -----	Falmouth -----	19N 43E	330	23	23	23.0	25	25	
	1424 yds Yarmouth -----	16N 44E	334	23	16	14.4	25	--	
	1517 yds Birkenhead -----	15N 46E	323	23	22	18.0	25	--	
	779 yds Gloucester -----	16N 45E	324	23	24	22.8	26	--	
1stFlot -----	1st Flotilla (9)(9) -----	11N -14E	045	20	20	20.0	30	--	

9thFlot	-----	9th Flotilla (8)(8)	-----	-01N 26E	045	22	22	22.0	29	--
13thFlot	----	13th Flotilla (10)(10)	---	-08N 17E	045	22	22	22.0	34	--
1stFlotL	----	Fearless	-----	10N -15E	042	21	21	20.4	25	25
13thFlotL	---	Champion	-----	-09N 16E	045	24	24	24.0	28	28
CV	-----	Engadine	-----	-18N 05E	073	21	21	21.0	21	21
		indep. No. 8359	-----	35N 06E	022	60	60	60.0	77	--

HITS Heavy caliber Medium caliber

Turn 14 15:30 Hrs Real Time 09:15:09 AM 04/05/2020

REPORTS

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Galatea	----->	Ebling	-----	9,386	2 2
Phaeton	----->	1 Frankfurt	-----	8,466	2 4 Galatea/3ptsS
Inconstant	----->	2 Frankfurt	-----	8,466	2 3 Phaeton/3ptsS
Cordelia	----->	1 Frankfurt	-----	7,897	2 5
Inconstant/3ptsS					
Falmouth	----->	2 Frankfurt	-----	12,939	3
Yarmouth	----->	1 Frankfurt	-----	13,437	5 Gloucester
Gloucester	----->	3 Ebling	-----	13,174	2

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
1stBCS	-----	Lion	-----	01N -10E 045 22 22 22.0 28 28
2ndBCS	-----	New Zealand	-----	08N -01E 045 22 22 22.0 26 26
5thBS	-----	Barham	-----	20N -40E 045 23 22 21.6 24 24
	334 yds	Malaya	-----	17N -43E 045 23 21 20.2 24 --
1stLCS	-----	Galatea	-----	45N 12E 315 23 23 23.0 28 28
2ndLCS	-----	Southampton	-----	-52N -27E 045 19 19 19.0 25 25
	indep.	Nottingham	-----	-40N -13E 045 19 19 19.0 25 --
3rdLCS	-----	Falmouth	-----	32N 09E 330 23 23 23.0 25 25
	1773 yds	Yarmouth	-----	27N 11E 331 23 22 20.8 25 --
	1546 yds	Birkenhead	-----	27N 12E 327 23 23 22.6 25 --
1stFlot	-----	1st Flotilla (9)(9)	-----	22N -38E 045 22 22 21.4 30 --
9thFlot	-----	9th Flotilla (8)(8)	-----	10N 01E 045 22 22 22.0 29 --
13thFlot	----	13th Flotilla (10)(10)	---	03N -08E 045 22 22 22.0 34 --
1stFlotL	----	Fearless	-----	21N -40E 045 23 23 22.0 25 25
13thFlotL	---	Champion	-----	03N -07E 045 22 22 22.4 28 28
CV	-----	Engadine	-----	-08N -19E 057 21 21 21.0 21 21
		indep. No. 8359	-----	59N -16E 022 60 60 60.0 77 --

HITS Heavy caliber Medium caliber

Turn 15 15:35 Hrs Real Time 09:23:08 AM 04/05/2020

REPORTS

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Galatea	----->	Ebling	-----	13,257	1 2 Frankfurt
class/Range rate high					
Phaeton	----->	1 Frankfurt	-----	12,451	1 4

Galatea/3ptsS/Downwind/Range rate high
 Inconstant -----> 2 Frankfurt -----11,546 1 4
 Phaeton/3ptsS/Range rate high
 Cordelia -----> 1 Frankfurt -----11,673 1 3
 Inconstant/3ptsS/Range rate high
 Falmouth -----> 2 Frankfurt -----13,815 3
 Yarmouth -----> 2 Frankfurt -----13,671 3
 Gloucester -----> 3 Ebling -----13,359 2

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)					
1stBCS	Lion	-05N 02E	090	22	22	21.4	28	28	
2ndBCS	New Zealand	02N 12E	090	22	22	20.8	26	26	
5thBS	Barham	15N -28E	090	23	21	20.8	24	24	
1stLCS	Galatea	45N 12E	315	23	23	23.0	28	28	
2ndLCS	Southampton	-57N -16E	090	19	19	18.8	25	25	
	indep. Nottingham	-45N -02E	090	19	19	18.8	25	--	
3rdLCS	Falmouth	33N 10E	330	23	23	23.0	25	25	
	1736 yds Yarmouth	29N 12E	331	23	24	23.2	25	--	
	1409 yds Birkenhead	29N 13E	329	23	24	23.8	25	--	
1stFlot	1st Flotilla (9)(9)	15N -25E	090	21	21	20.8	30	--	
9thFlot	9th Flotilla (8)(8)	02N 15E	090	21	21	20.4	29	--	
13thFlot	13th Flotilla (10)(10)	-05N 05E	090	22	22	21.0	34	--	
1stFlotL	Fearless	15N -28E	093	22	22	21.2	25	25	
13thFlotL	Champion	-05N 04E	104	23	22	20.0	28	28	
CV	Engadine	-09N -09E	049	21	21	21.0	21	21	
	indep. No. 8359	54N 11E	090	65	65	64.2	77	--	

HITS Heavy caliber Medium caliber

Turn 16 15:40 Hrs Real Time 09:41:38 AM 04/05/2020

REPORTS

Visible to opposing side:
 2ndBCS ----- New Zealand
 2ndBCS ----- Indefatigable

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Cordelia	-----> 1 Frankfurt		7,726	S	

Cordelia/Downwind

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)					
1stBCS	Lion	-09N 15E	090	24	24	23.8	28	28	
2ndBCS	New Zealand	-02N 24E	090	24	24	23.0	26	26	
5thBS	Barham	15N -19E	045	24	21	20.2	24	24	
1stLCS	Galatea	46N 10E	315	23	23	23.0	28	28	
2ndLCS	Southampton	-62N -04E	090	24	22	21.6	25	25	
	indep. Nottingham	-49N 10E	090	24	22	21.6	25	--	
3rdLCS	Falmouth	35N 11E	330	23	23	23.0	25	25	
	1535 yds Yarmouth	32N 13E	330	23	25	24.2	25	--	
	1109 yds Birkenhead	32N 13E	330	23	25	24.8	25	--	
1stFlot	1st Flotilla (9)(9)	18N -17E	045	20	20	20.0	30	--	
9thFlot	9th Flotilla (8)(8)	-02N 27E	090	23	23	22.6	29	--	
13thFlot	13th Flotilla (10)(10)	-09N 18E	090	24	24	23.4	34	--	
1stFlotL	Fearless	16N -19E	042	21	21	20.4	25	25	
13thFlotL	Champion	-09N 17E	090	26	25	24.6	28	28	

CV ----- Engadine ----- -07N -05E 000 21 19 18.8 21 21
 indep. No. 8359 ----- 38N 15E 180 36 36 35.6 77 --

HITS Heavy caliber Medium caliber

Turn 17 15:45 Hrs Real Time 09:51:40 AM 04/05/2020

REPORTS

TARGETING

Firing Ship Pos. Target class Range yds Arc Con
 Obstruction/problem
 Cordelia -----> 1 Frankfurt ----- 7,726 S Galatea

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
1stBCS -----	Lion -----	-07N 19E	090	24	24	24.0	28	28
2ndBCS -----	New Zealand -----	-04N 16E	231	26	18	18.0	26	26
5thBS -----	Barham -----	18N -16E	090	24	20	19.6	24	24
1stLCS -----	Galatea -----	45N 12E	135	23	23	20.6	28	28
2ndLCS -----	Southampton -----	-59N 00E	090	24	24	23.2	25	25
indep.	Nottingham -----	-47N 14E	090	24	24	23.2	25	--
3rdLCS -----	Falmouth -----	34N 12E	135	23	21	19.0	25	25
1stFlot -----	1st Flotilla (9)(9) -----	18N -13E	090	20	20	19.2	30	--
9thFlot -----	9th Flotilla (8)(8) -----	-02N 19E	231	17	17	17.6	29	--
13thFlot -----	13th Flotilla (10)(10) ---	-07N 22E	090	24	24	24.0	34	--
1stFlotL ----	Fearless -----	18N -15E	093	20	20	19.8	25	25
13thFlotL ---	Champion -----	-07N 23E	090	24	24	23.8	28	28
CV -----	Engadine -----	02N -08E	000	21	20	19.4	21	21
indep.	No. 8359 -----	29N 05E	211	39	39	39.0	77	--

HITS Heavy caliber Medium caliber

Turn 18 15:50 Hrs Real Time 07:45:44 AM 04/06/2020

REPORTS

Visible to opposing side:
 1stBCS ----- Lion
 1stBCS ----- Princess Royal
 1stBCS ----- Queen Mary
 1stBCS ----- Tiger

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
1stBCS -----	Lion -----	-06N 22E	112	24	24	23.8	28	28
2ndBCS -----	New Zealand -----	-02N 19E	112	24	16	15.4	26	26
5thBS -----	Barham -----	19N -13E	112	24	21	20.6	24	24
1stLCS -----	Galatea -----	46N 15E	112	23	23	23.0	28	28
2ndLCS -----	Southampton -----	-58N 03E	112	24	23	23.2	25	25
6116 yds	Nottingham -----	-50N 11E	169	24	22	20.0	25	--
5961 yds	Dublin -----	-50N 10E	170	24	22	20.0	25	--
3rdLCS -----	Falmouth -----	36N 14E	112	23	22	21.6	25	25
1stFlot -----	1st Flotilla (9)(9) -----	16N -12E	112	21	20	19.6	30	--
9thFlot -----	9th Flotilla (8)(8) -----	-03N 19E	140	29	20	17.4	29	--
13thFlot -----	13th Flotilla (10)(10) ---	-08N 24E	112	24	24	23.4	34	--
1stFlotL ----	Fearless -----	19N -13E	113	22	22	21.6	25	25
13thFlotL ---	Champion -----	-07N 26E	112	24	24	23.6	28	28

CV ----- Engadine ----- 04N -07E 112 21 16 15.6 21 21
 indep. No. 8359 ----- 23N 02E 173 32 32 29.4 77 --

HITS Heavy caliber Medium caliber

Turn 19 15:55 Hrs Real Time 08:03:27 AM 04/06/2020

REPORTS

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
1stBCS -----	Lion -----	-03N 28E	112	24	24	24.0	28	28
2ndBCS -----	New Zealand -----	00N 25E	112	24	21	19.0	26	26
5thBS -----	Barham -----	22N -08E	112	24	22	21.8	24	24
1stLCS -----	Galatea -----	49N 20E	112	23	23	23.0	28	28
2ndLCS -----	Southampton -----	-50N 09E	069	25	22	22.0	25	25
	1606 yds Nottingham -----	-49N 10E	273	24	22	21.4	25	--
	1750 yds Dublin -----	-49N 09E	265	24	22	21.4	25	--
3rdLCS -----	Falmouth -----	39N 20E	112	23	23	23.0	25	25
1stFlot -----	1st Flotilla (9)(9) -----	19N -07E	112	22	22	21.6	30	--
9thFlot -----	9th Flotilla (8)(8) -----	-02N 23E	117	29	26	24.8	29	--
13thFlot -----	13th Flotilla (10)(10) ---	-06N 29E	112	24	24	24.0	34	--
1stFlotL -----	Fearless -----	22N -08E	112	24	23	22.6	25	25
13thFlotL ---	Champion -----	-04N 32E	112	24	24	24.0	28	28
CV -----	Engadine -----	07N -03E	112	21	18	17.6	21	21
	indep. No. 8359 -----	22N 02E	166	26	26	23.2	77	--

HITS Heavy caliber Medium caliber

Turn 20 15:60 Hrs Real Time 08:13:36 AM 04/06/2020

REPORTS

Visible to opposing side:
 13thFlotL --- Champion

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Lion -----	-> 1	Derfflinger -----	15,918	8	3 /Range rate high
Target bears P064 from Lion					
Princess Royal -----	-> 1	Derfflinger -----	15,956	8	3
Lion/4ptsP/Range rate high					
Queen Mary -----	-> 2	Derfflinger -----	16,191	8	2 Princess Royal/4ptsP/Range rate high
Tiger -----	-> 1	Derfflinger -----	16,078	8	3 Queen
Mary/4ptsP/Range rate high					
fourth ship in enemy unit, Moltke class not under fire					
fifth ship in enemy unit, Von Der Tann class not under fire					

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
1stBCS -----	Lion -----	00N 34E	112	24	24	24.0	28	28
2ndBCS -----	New Zealand -----	03N 30E	112	24	23	22.6	26	26
5thBS -----	Barham -----	25N -03E	112	24	23	23.0	24	24
1stLCS -----	Galatea -----	52N 26E	112	24	24	24.0	28	28
2ndLCS -----	Southampton -----	-41N 14E	070	25	23	22.8	25	25

362 yds	Nottingham	-----	-42N 13E	098	25	15	15.2	25	--
523 yds	Dublin	-----	-41N 11E	013	25	16	15.4	25	--
3rdLCS	Falmouth	-----	41N 25E	112	24	24	23.4	25	25
1stFlot	1st Flotilla (9)(9)	-----	22N -02E	112	23	23	22.8	30	--
9thFlot	9th Flotilla (8)(8)	-----	00N 30E	112	29	28	27.2	29	--
13thFlot	13th Flotilla (10)(10)	---	-03N 35E	112	24	24	24.0	34	--
1stFlotL	Fearless	-----	24N -02E	112	25	24	23.8	25	25
13thFlotL	Champion	-----	-02N 37E	112	24	24	24.0	28	28
CV	Engadine	-----	11N 01E	112	21	20	19.2	21	21
indep.	No. 8359	-----	19N 04E	157	27	27	27.0	77	--

HITS Heavy caliber Medium caliber
Princess Royal ----- 1 hit, 1 total

Turn 21 16:05 Hrs Real Time 08:24:38 AM 04/06/2020

REPORTS

Visible to opposing side:
9thFlot ----- 9th Flotilla (8)
13thFlot ---- 13th Flotilla (10)

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Lion ----->	1	Derfflinger -----	14,697	8	2
Target bears P088 from Lion					
Princess Royal ----->	1	Derfflinger -----	14,720	8	2 Lion/4ptsP
Queen Mary ----->	3	Seydlitz -----	14,888	8	Princess Royal/
4ptsP					
Tiger ----->	4	Moltke -----	14,984	8	2 Queen
Mary/4ptsP					
New Zealand ----->	4	Moltke -----	14,192	8	2
Indefatigable ----->	5	Von Der Tann -----	14,652	8	New
Zealand/4ptsP					
second ship in enemy unit, Derfflinger class not under fire					

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
1stBCS	Lion	01N 37E	135	24 24 23.8 28 28
2ndBCS	New Zealand	05N 35E	135	24 22 22.6 26 26
5thBS	Barham	26N 00E	135	24 23 23.2 24 24
1stLCS	Galatea	53N 29E	135	24 24 23.8 28 28
2ndLCS	Southampton	-34N 20E	083	25 24 24.0 25 25
298 yds	Nottingham	-34N 17E	082	25 22 19.8 25 --
891 yds	Dublin	-34N 15E	083	25 20 16.0 25 --
3rdLCS	Falmouth	43N 28E	135	24 23 23.2 25 25
1stFlot	1st Flotilla (9)(9)	23N 00E	135	23 23 23.2 30 --
9thFlot	9th Flotilla (8)(8)	01N 35E	135	22 22 23.6 29 --
13thFlot	13th Flotilla (10)(10)	-02N 37E	135	24 24 23.8 34 --
1stFlotL	Fearless	25N 01E	136	25 23 23.2 25 25
13thFlotL	Champion	-02N 40E	135	24 24 23.6 28 28
CV	Engadine	15N 05E	112	21 21 20.2 21 21
indep.	No. 8359	19N 04E	155	25 25 21.4 77 --

HITS Heavy caliber Medium caliber
Lion ----- 3 hits, 3 total
Tiger ----- 3 hits, 3 total
1 Derfflinger class ----- 1 hit, 1 total
4 Moltke class ----- 2 hits, 2 total

5 Von Der Tann class ----- 2 hits, 2 total

Turn 22 16:10 Hrs Real Time 08:34:49 AM 04/06/2020

REPORTS

Lion primary guns damaged

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Lion ----->	1	Derfflinger -----	15,773	7	
Target bears P122 from Lion					
Princess Royal ----->	2	Derfflinger -----	15,569	8	Lion/3ptsP
Queen Mary ----->	3	Seydlitz -----	15,382	8	Princess Royal/
4ptsP					
Tiger ----->	4	Moltke -----	15,214	8	2 Queen
Mary/4ptsP					
New Zealand ----->	4	Moltke -----	14,815	6	2
Indefatigable ----->	5	Von Der Tann -----	14,626	6	New
Zealand/4ptsP					

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
1stBCS -----	Lion -----	-01N 34E	169	24	24	23.4	28	28
2ndBCS -----	New Zealand -----	03N 34E	169	24	23	22.2	26	26
5thBS -----	Barham -----	27N 02E	135	24	24	23.8	24	24
1stLCS -----	Galatea -----	51N 27E	169	24	24	23.6	28	28
2ndLCS -----	Southampton -----	-26N 24E	078	25	25	25.0	25	25
	662 yds Nottingham -----	-27N 20E	078	25	23	22.8	25	--
	1318 yds Dublin -----	-27N 18E	079	25	23	22.4	25	--
3rdLCS -----	Falmouth -----	41N 26E	169	24	23	22.6	25	25
1stFlot -----	1st Flotilla (9)(9) -----	24N 02E	135	24	24	23.6	30	--
9thFlot -----	9th Flotilla (8)(8) -----	00N 31E	169	22	22	20.6	29	--
13thFlot -----	13th Flotilla (10)(10) ---	-03N 33E	169	24	24	22.0	34	--
1stFlotL -----	Fearless -----	26N 03E	135	25	24	24.0	25	25
13thFlotL ---	Champion -----	-05N 35E	169	24	24	21.6	28	28
CV -----	Engadine -----	18N 07E	112	21	21	21.0	21	21
	indep. No. 8359 -----	20N 05E	135	25	25	21.0	77	--

HITS

	Heavy caliber	Medium caliber
Lion -----	2 hits, 5 total	
Queen Mary -----	1 hit, 1 total	
Tiger -----	1 hit, 4 total	
Indefatigable -----	1 hit, 1 total	
1 Derfflinger class -----	1 hit, 2 total	
3 Seydlitz class -----	3 hits, 3 total	
4 Moltke class -----	2 hits, 4 total	
5 Von Der Tann class -----	2 hits, 4 total	

Turn 23 16:15 Hrs Real Time 08:40:18 AM 04/06/2020

REPORTS

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Lion ----->	1	Derfflinger -----	16,647	7	

Target bears P121 from Lion
 Princess Royal -----> 2 Derfflinger -----16,560 8 Lion/3ptsP
 Queen Mary -----> 3 Seydlitz -----16,474 8 Princess Royal/
 3ptsP
 Tiger -----> 4 Moltke -----16,387 8 2 Queen
 Mary/3ptsP
 New Zealand -----> 4 Moltke -----16,035 6 2
 Indefatigable -----> 5 Von Der Tann -----15,947 6 New
 Zealand/3ptsP

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
1stBCS -----	Lion -----	-03N 32E	169	24	24	24.0	28	28
2ndBCS -----	New Zealand -----	02N 31E	169	24	24	23.6	26	26
5thBS -----	Barham -----	27N 03E	135	24	24	24.0	24	24
1stLCS -----	Galatea -----	49N 24E	169	24	24	24.0	28	28
2ndLCS -----	Southampton -----	-18N 28E	079	25	25	25.0	25	25
	827 yds Nottingham -----	-19N 24E	079	25	24	24.0	25	--
	1550 yds Dublin -----	-19N 22E	079	25	24	23.6	25	--
3rdLCS -----	Falmouth -----	40N 23E	169	24	24	23.4	25	25
1stFlot -----	1st Flotilla (9)(9) -----	24N 03E	135	24	24	24.0	30	--
9thFlot -----	9th Flotilla (8)(8) -----	-02N 29E	169	24	24	23.4	29	--
13thFlot -----	13th Flotilla (10)(10) ---	-05N 30E	169	24	24	24.0	34	--
1stFlotL ----	Fearless -----	26N 04E	135	25	25	25.0	25	25
13thFlotL ---	Champion -----	-07N 33E	169	24	24	24.0	28	28
CV -----	Engadine -----	22N 10E	112	21	21	21.0	21	21
	indep. No. 8359 -----	23N 07E	121	25	25	21.0	77	--

HITS

	Heavy caliber	Medium caliber
Lion -----	2 hits, 7 total	
Princess Royal -----	3 hits, 4 total	
Tiger -----	1 hit, 5 total	
1 Derfflinger class -----	1 hit, 3 total	
4 Moltke class -----	1 hit, 5 total	

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Turn 24 16:20 Hrs Real Time 08:55:47 AM 04/06/2020

REPORTS

Tiger primary magazine fire, BLOWN UP
 Tiger BLOWN UP, position 1N 30E

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Lion ----->	1	Derfflinger -----	17,343	7	
Target bears P120 from Lion					
Princess Royal ----->	2	Derfflinger -----	17,255	8	Lion/3ptsP
Queen Mary ----->	3	Seydlitz -----	17,168	8	Princess Royal/ 3ptsP
New Zealand ----->	4	Moltke -----	16,740	6	
Indefatigable ----->	5	Von Der Tann -----	16,652	6	New Zealand/3ptsP

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
1stBCS -----	Lion -----	-03N 30E	169	24	24	24.0	28	28
2ndBCS -----	New Zealand -----	01N 30E	169	24	24	24.0	26	26
5thBS -----	Barham -----	29N 06E	135	24	24	24.0	24	24
1stLCS -----	Galatea -----	49N 23E	169	24	24	24.0	28	28

2ndLCS	-----	Southampton	-----	-11N 32E	169	24	23	24.6	25	25
1605 yds		Nottingham	-----	-11N 29E	116	25	25	25.0	25	--
2928 yds		Dublin	-----	-12N 27E	114	25	25	24.6	25	--
3rdLCS	-----	Falmouth	-----	39N 22E	169	24	24	24.0	25	25
1stFlot	-----	1st Flotilla (9)(9)	-----	26N 06E	135	24	24	24.0	30	--
9thFlot	-----	9th Flotilla (8)(8)	-----	-02N 27E	169	24	24	24.0	29	--
13thFlot	-----	13th Flotilla (10)(10)	---	-06N 29E	169	24	24	24.0	34	--
1stFlotL	-----	Fearless	-----	27N 07E	135	25	25	25.0	25	25
13thFlotL	---	Champion	-----	-07N 31E	169	24	24	24.0	28	28
CV	-----	Engadine	-----	26N 13E	112	21	21	21.0	21	21
indep.		No. 8359	-----	27N 11E	112	25	25	21.0	77	--

HITS		Heavy caliber	Medium caliber
Princess Royal	-----	1 hit, 5 total	
Indefatigable	-----	1 hit, 2 total	
1 Derfflinger class	-----	3 hits, 6 total	
4 Moltke class	-----	1 hit, 6 total	
5 Von Der Tann class	-----	1 hit, 5 total	

Turn 25 16:25 Hrs Real Time 09:03:18 AM 04/06/2020

REPORTS

Visible to opposing side:
 2ndLCS ----- Birmingham
 2ndLCS ----- Nottingham
 2ndLCS ----- Dublin

TARGETING

Firing Ship		Pos.	Target class		Range yds	Arc	Con
Obstruction/problem							
Lion	----->	1	Derfflinger	-----	18,044	7	
Target bears P119 from Lion							
Princess Royal	----->	2	Derfflinger	-----	17,956	8	Lion/3ptsP
Queen Mary	----->	3	Seydlitz	-----	17,869	8	Princess Royal/
3ptsP							
New Zealand	----->	4	Moltke	-----	17,451	6	
Indefatigable	----->	5	Von Der Tann	-----	17,362	6	New
Zealand/3ptsP							

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
1stBCS	----- Lion	----- -04N 29E	169	24 24 24.0 28 28
2ndBCS	----- New Zealand	----- 01N 28E	169	24 24 24.0 26 26
5thBS	----- Barham	----- 30N 09E	135	24 24 24.0 24 24
1stLCS	----- Galatea	----- 48N 21E	169	24 24 24.0 28 28
2ndLCS	----- Southampton	----- -11N 30E	169	24 21 18.6 25 25
3rdLCS	----- Falmouth	----- 39N 20E	169	24 24 24.0 25 25
1stFlot	----- 1st Flotilla (9)(9)	----- 27N 09E	135	24 24 24.0 30 --
9thFlot	----- 9th Flotilla (8)(8)	----- -01N 30E	140	29 26 25.6 29 --
13thFlot	----- 13th Flotilla (10)(10)	----- -03N 34E	120	34 30 26.8 34 --
1stFlotL	----- Fearless	----- 29N 10E	135	25 25 25.0 25 25
13thFlotL	----- Champion	----- -08N 30E	169	24 24 24.0 28 28
CV	----- Engadine	----- 31N 17E	112	21 21 21.0 21 21
indep.	No. 8359	----- 32N 14E	112	25 25 21.0 77 --

HITS		Heavy caliber	Medium caliber
Lion	-----	1 hit, 8 total	
Princess Royal	-----	3 hits, 8 total	
Queen Mary	-----	5 hits, 6 total	

Indefatigable ----- 1 hit, 3 total
 1 Derfflinger class ----- 1 hit, 7 total
 2 Derfflinger class ----- 1 hit, 1 total
 3 Seydlitz class ----- 1 hit, 4 total

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Turn 26 16:30 Hrs Real Time 09:11:26 AM 04/06/2020

REPORTS

Visible to opposing side:
 5thBS ----- Barham
 2ndLCS ----- Southampton

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Lion ----->	1	Derfflinger -----	18,723	7	9th Flotilla
(8)					
Target bears P118 from Lion					
Princess Royal ----->	2	Derfflinger -----	18,634	8	9th Flotilla
(8)					
Queen Mary ----->	3	Seydlitz -----	18,545	8	Princess Royal/ 3ptsP
New Zealand ----->	4	Moltke -----	18,140	6	
Indefatigable ----->	5	Von Der Tann -----	18,050	6	2 New
Zealand/3ptsP					
Barham ----->	5	Von Der Tann -----	22,856	4	2

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
1stBCS -----	Lion -----	-04N 27E	169	24 24 24.0 28 28
2ndBCS -----	New Zealand -----	00N 27E	169	24 24 24.0 26 26
5thBS -----	Barham -----	32N 11E	135	24 24 24.0 24 24
1stLCS -----	Galatea -----	48N 20E	169	24 24 24.0 28 28
2ndLCS -----	Southampton -----	-12N 29E	169	24 23 22.4 25 25
3rdLCS -----	Falmouth -----	38N 19E	169	24 24 24.0 25 25
1stFlot -----	1st Flotilla (9)(9) -----	29N 11E	135	24 24 24.0 30 --
9thFlot -----	9th Flotilla (8)(8) -----	-01N 33E	140	29 28 27.2 29 --
13thFlot -----	13th Flotilla (10)(10) ---	-01N 40E	120	34 32 31.0 34 --
1stFlotL -----	Fearless -----	29N 14E	135	24 23 23.4 25 25
13thFlotL ---	Champion -----	-08N 28E	169	24 24 24.0 28 28
CV -----	Engadine -----	36N 20E	112	21 21 21.0 21 21
indep.	No. 8359 -----	37N 18E	112	25 25 21.0 77 --

HITS

	Heavy caliber	Medium caliber
Princess Royal -----	1 hit, 9 total	
4 Moltke class -----	1 hit, 7 total	

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Turn 27 16:35 Hrs Real Time 09:21:15 AM 04/06/2020

REPORTS

13th Flotilla (10) launches torpedoes and turns to southwest
 Visible to opposing side:
 5thBS ----- Warspite
 5thBS ----- Valiant
 5thBS ----- Malaya

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Lion ----->	1	Derfflinger -----	18,795	7	
Target bears P117 from Lion					
Princess Royal ----->	2	Derfflinger -----	18,795	8	Lion/3ptsP
Queen Mary ----->	3	Seydlitz -----	18,795	8	Princess Royal/
3ptsP					
New Zealand ----->	4	Moltke -----	18,488	8	2
Indefatigable ----->	5	Von Der Tann -----	18,488	8	4 New
Zealand/3ptsP					
Barham ----->	4	Moltke -----	21,847	2	2
Valiant ----->	5	Von Der Tann -----	22,494	2	4 Barham
13th Flotilla (10) ----->		V25 Torpedoboat -----	7,988		13th Flotilla
(10)/Downwind					

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
1stBCS -----	Lion -----	-04N 26E	169	24	24	24.0	28	28
2ndBCS -----	New Zealand -----	00N 25E	169	24	24	24.0	26	26
5thBS -----	Barham -----	34N 14E	135	24	24	24.0	24	24
1stLCS -----	Galatea -----	48N 18E	169	24	24	24.0	28	28
2ndLCS -----	Southampton -----	-12N 27E	169	24	24	23.6	25	25
3rdLCS -----	Falmouth -----	38N 17E	169	24	24	24.0	25	25
1stFlot -----	1st Flotilla (9)(9) -----	31N 14E	135	24	24	24.0	30	--
9thFlot -----	9th Flotilla (8)(8) -----	00N 36E	140	29	29	28.2	29	--
13thFlot -----	13th Flotilla (10) refor -	00N 40E	215	34	21	30.0	34	--
1stFlotL -----	Fearless -----	31N 17E	135	24	24	24.0	25	25
13thFlotL -----	Champion -----	-08N 27E	169	24	24	24.0	28	28
CV -----	Engadine -----	41N 24E	112	21	21	21.0	21	21
	indep. No. 8359 -----	42N 21E	112	25	25	21.0	77	--

HITS

	Heavy caliber	Medium caliber
Lion -----	1 hit, 9 total	
Princess Royal -----	1 hit, 10 total	
3 Seydlitz class -----	1 hit, 5 total	

Turn 28 16:40 Hrs Real Time 09:27:31 AM 04/06/2020

REPORTS

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Lion ----->	1	Derfflinger -----	18,720	7	3
Target bears P116 from Lion					
Princess Royal ----->	2	Derfflinger -----	18,720	8	2 Lion/3ptsP
Queen Mary ----->	3	Seydlitz -----	18,720	8	Princess Royal/
3ptsP					
New Zealand ----->	4	Moltke -----	18,419	8	
Indefatigable ----->	5	Von Der Tann -----	18,419	8	2 New
Zealand/3ptsP					
Barham ----->	1	Derfflinger -----	21,141	2	3
Valiant ----->	2	Derfflinger -----	21,787	2	2 Barham
9th Flotilla (8) ----->		B97 Torpedoboat -----	8,135		

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
1stBCS -----	Lion -----	-04N 26E	169	24	24	24.0	28	28
2ndBCS -----	New Zealand -----	00N 25E	169	24	24	24.0	26	26

5thBS	-----	Barham	-----	37N 18E	135	24	24	24.0	24	24
1stLCS	-----	Galatea	-----	48N 18E	169	24	24	24.0	28	28
2ndLCS	-----	Southampton	-----	-12N 27E	169	24	24	24.0	25	25
3rdLCS	-----	Falmouth	-----	38N 17E	169	24	24	24.0	25	25
1stFlot	-----	1st Flotilla (9)(9)	-----	34N 18E	135	24	24	24.0	30	--
9thFlot	-----	9th Flotilla (8)(8)	-----	00N 40E	140	29	29	29.0	29	--
13thFlot	-----	13th Flotilla (10) refor	-	01N 33E	215	34	31	27.0	34	--
1stFlotL	-----	Fearless	-----	34N 21E	135	24	24	24.0	25	25
13thFlotL	-----	Champion	-----	-08N 27E	169	24	24	24.0	28	28
CV	-----	Engadine	-----	47N 28E	112	21	21	21.0	21	21
	indep.	No. 8359	-----	48N 26E	112	25	25	21.0	77	--

HITS

Princess Royal	-----	1 hit, 11 total
New Zealand	-----	1 hit, 1 total
1 Derfflinger class	-----	2 hits, 9 total
3 Seydlitz class	-----	1 hit, 6 total
4 Moltke class	-----	1 hit, 8 total

Turn 29 16:45 Hrs Real Time 09:34:12 AM 04/06/2020

REPORTS

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Lion	----->	1 Derfflinger	-----20,835	7	4 /Range rate high
Target bears P116 from Lion					
Queen Mary	----->	3 Seydlitz	-----21,977	8	Princess Royal/3ptsP/Range rate high
Barham	----->	1 Derfflinger	-----20,993	2	4
Warspite	----->	1 Derfflinger	-----21,463	2	4 Barham/4ptsP
9th Flotilla (8)	----->	B97 Torpedoboat	-----6,927		

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)						
1stBCS	-----	Lion	-----	-04N 26E	169	24	24	24.0	28	28
2ndBCS	-----	New Zealand	-----	01N 25E	169	24	24	24.0	26	26
5thBS	-----	Barham	-----	39N 22E	135	24	24	24.0	24	24
1stLCS	-----	Galatea	-----	48N 18E	169	24	24	24.0	28	28
2ndLCS	-----	Southampton	-----	-11N 27E	169	24	24	24.0	25	25
3rdLCS	-----	Falmouth	-----	39N 17E	169	24	24	24.0	25	25
1stFlot	-----	1st Flotilla (9)(9)	-----	36N 22E	135	24	24	24.0	30	--
9thFlot	-----	9th Flotilla (8)(8)	-----	01N 45E	140	29	29	29.0	29	--
13thFlot	-----	13th Flotilla (10) refor	-	01N 25E	215	34	32	31.6	34	--
1stFlotL	-----	Fearless	-----	36N 25E	135	24	24	24.0	25	25
13thFlotL	-----	Champion	-----	-07N 27E	169	24	24	24.0	28	28
CV	-----	Engadine	-----	52N 33E	112	21	21	21.0	21	21
	indep.	No. 8359	-----	53N 31E	112	25	25	21.0	77	--

HITS

1 Derfflinger class	-----	1 hit, 10 total
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