

Scenario: Jutland RTTS at 2:20 Force 4, Aufklarung Gruppe

Initial conditions

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

Table with columns: Unit, Pos (in.), Crs, Spd(ord/max/unit max). Rows include I.A.G. in formation Line Ahead, II.A.G. in formation Screen circular, Flot-II, Flot-VI, Flot-IX.

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

REPORTS

Flotille II (10) reports smoke bearing W, about 8 NM, multiple ships
Sighted 3 funneled cruiser 27N 56E, Crs 095, Spd 25 from Flotille II (10)
another 27N 55E, Crs 095, Spd 25
Visible to opposing side:
Flot-II 10

POSITIONS

Table with columns: Unit, Lead, screen, out of form., Pos (in.), Crs, Spd(ord/cur/avg /max/unit). Rows include I.A.G., II.A.G., Flot-II, Flot-VI, Flot-IX.

HITS Heavy caliber Medium caliber

Turn 2 14:30 Hrs Real Time 08:36:33 AM 04/04/2020

REPORTS

TARGETING

Firing Ship Pos. Target class Range yds Arc Con
Obstruction/problem
Flotille II (10) -> Arethusa 9,996

POSITIONS

Table with columns: Unit, Lead, screen, out of form., Pos (in.), Crs, Spd(ord/cur/avg /max/unit). Rows include I.A.G., relat. Derfflinger, Seydlitz, Moltke.

relat.	Von der Tann	-----	21N 140E	248	18	15	14.4	27	--
II.A.G.	Frankfurt	-----	64N 136E	349	18	18	18.0	28	27
indep.	Wiesbaden	-----	62N 155E	349	18	18	18.0	28	--
indep.	Pillau	-----	55N 120E	349	18	18	18.0	27	--
indep.	Regensburg	-----	50N 169E	349	18	18	18.0	29	--
indep.	Ebling	-----	39N 111E	349	18	18	18.0	27	--
Flot-II	Flotille II (10)(10)	-----	30N 80E	349	05	05	05.0	34	--
Flot-VI	Flotille VI (9)(9)	-----	58N 154E	349	18	18	18.0	33	--
Flot-IX	Flotille IX (11)(11)	-----	37N 142E	349	18	18	18.0	33	--

HITS Heavy caliber Medium caliber

Orders for turn 3

Unit	Lead Ship	Crs	Spd	Formation	Primary/Torpedo
Target					
I.A.G.	Lutzow	202	18	Line Ahead	none / none
II.A.G.	Frankfurt	282	20	Line Ahead	auto / none
	Pillau	220	25	Independent	auto / none
	Ebling	250	25	Independent	auto / none
Flot-II	Flotille II (10)	090	34	Independent	Arethusa / none
Flot-VI	Flotille VI (9)	349	18	Independent	none / none
	Station on Regensburg			bearing 180,	2000 yards
Flot-IX	Flotille IX (11)	349	18	Independent	none / none

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

REPORTS

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Flotille II (10)	----->	Arethusa	-----	7,448	

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G.	Lutzow	20N 129E	202	18 18 16.4 28 27
	467 yds Derfflinger	22N 129E	202	18 12 12.4 28 --
	930 yds Seydlitz	24N 129E	192	18 11 12.6 27 --
	554 yds Moltke	23N 131E	221	18 11 12.2 27 --
	634 yds Von der Tann	24N 131E	145	18 11 13.0 27 --
II.A.G.	Frankfurt	66N 122E	282	20 20 19.2 28 27
	8745 yds Wiesbaden	64N 140E	279	18 22 19.2 28 --
	indep. Pillau	51N 107E	220	25 21 18.4 27 --
	16174 yds Regensburg	53N 154E	288	18 23 20.0 29 --
	indep. Ebling	37N 97E	250	25 21 18.4 27 --
Flot-II	Flotille II (10)(10)	31N 76E	090	34 15 11.0 34 --
Flot-VI	Flotille VI (9)(9)	56N 151E	134	33 21 18.4 33 --
Flot-IX	Flotille IX (11)(11)	43N 132E	349	18 18 18.0 33 --

HITS Heavy caliber Medium caliber

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

REPORTS

Flotille II (10) reports smoke bearing W, about 18 NM, multiple ships
Visible to opposing side:

II.A.G. ----- Ebling

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Ebling ----->	Arethusa	-----	12,742		/Range rate
high					
Flotille II (10) ----->	Arethusa	-----	6,653	2	

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Lutzow -----	15N 118E	202	18 18 18.0 28 27
967 yds	Derfflinger -----	18N 119E	202	18 17 15.0 28 --
1543 yds	Seydlitz -----	20N 120E	199	18 16 14.0 27 --
1318 yds	Moltke -----	21N 120E	205	18 14 11.8 27 --
1292 yds	Von der Tann -----	21N 121E	207	18 13 11.2 27 --
II.A.G. -----	Frankfurt -----	68N 107E	282	20 20 20.0 28 27
7970 yds	Wiesbaden -----	66N 124E	279	18 25 24.6 28 --
indep.	Pillau -----	46N 94E	220	27 24 23.6 27 --
15205 yds	Regensburg -----	56N 138E	287	18 26 25.6 29 --
indep.	Ebling -----	33N 84E	220	20 20 19.8 27 --
Flot-II -----	Flotille II (10)(10) -----	32N 75E	090	34 25 21.0 34 --
Flot-VI -----	Flotille VI (9)(9) -----	53N 141E	349	18 18 24.2 33 --
Flot-IX -----	Flotille IX (11)(11) -----	50N 123E	349	18 18 18.0 33 --

HITS

Heavy caliber Medium caliber

Orders for turn 5

Unit	Lead Ship	Crs	Spd	Formation	Primary/Torpedo
Target					
I.A.G. -----	Lutzow -----	202	18	Line Ahead	none / none
II.A.G. -----	Frankfurt -----	240	20	Line Ahead	auto / none
	Pillau -----	180	27	Independent	auto / none
	Ebling -----	140	20	Independent	auto Areth / none
Flot-II -----	Flotille II (10) -----	045	34	Independent	Arethusa / none
	Making smoke				
Flot-VI -----	Flotille VI (9) -----	349	18	Independent	none / none
	Station on Regensburg			bearing 180,	2000 yards
Flot-IX -----	Flotille IX (11) -----	349	18	Independent	none / none

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

REPORTS

Visible to opposing side:
II.A.G. ----- Pillau

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Pillau ----->	Arethusa	-----	14,242	2	/Range rate
high					
Ebling ----->	Arethusa	-----	9,411	3	
Flotille II (10) ----->	Arethusa	-----	7,830	3	Flotille II
(10) making smoke/Downwind					

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Lutzow -----	11N 107E	202	18 18 18.0 28 27

633 yds	Derfflinger	-----	13N 108E	202	18	22	20.0	28	--
1372 yds	Seydlitz	-----	15N 109E	201	18	21	19.0	27	--
1475 yds	Moltke	-----	16N 110E	203	18	19	17.0	27	--
1609 yds	Von der Tann	-----	17N 110E	204	18	18	16.0	27	--
II.A.G. -----	Frankfurt	-----	66N 93E	240	20	20	19.8	28	27
6559 yds	Wiesbaden	-----	65N 107E	259	18	27	26.2	28	--
indep.	Pillau	-----	38N 86E	180	27	24	23.8	27	--
13596 yds	Regensburg	-----	57N 121E	270	18	28	27.2	29	--
indep.	Ebling	-----	29N 80E	140	20	20	18.8	27	--
Flot-II -----	Flotille II (10)(10)	-----	39N 73E	045	34	31	27.8	34	--
Flot-VI -----	Flotille VI (9)(9)	-----	55N 126E	276	33	23	20.2	33	--
Flot-IX -----	Flotille IX (11)(11)	-----	56N 113E	349	18	18	18.0	33	--

HITS Heavy caliber Medium caliber

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

REPORTS

Visible to opposing side:
 I.A.G. ----- Lutzow
 I.A.G. ----- Derfflinger
 I.A.G. ----- Seydlitz
 I.A.G. ----- Moltke
 I.A.G. ----- Von der Tann

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Pillau ----->	Arethusa	-----	11,032		Arethusa class
Ebling ----->	Arethusa	-----	8,640		

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Lutzow	-----	-01N 140E	248 18 18 17.4 28 27
indep.	Derfflinger	-----	01N 141E	248 18 18 18.8 28 --
indep.	Seydlitz	-----	03N 142E	248 18 18 18.4 27 --
indep.	Moltke	-----	04N 143E	248 18 18 17.4 27 --
indep.	Von der Tann	-----	06N 143E	248 18 18 17.4 27 --
II.A.G. -----	Frankfurt	-----	53N 125E	240 20 20 20.0 28 27
5014 yds	Wiesbaden	-----	54N 136E	255 18 28 27.2 28 --
indep.	Pillau	-----	20N 124E	180 27 26 25.2 27 --
11372 yds	Regensburg	-----	47N 150E	267 18 29 28.2 29 --
indep.	Ebling	-----	14N 123E	140 20 20 20.0 27 --
Flot-II -----	Flotille II (10)(10)	-----	37N 119E	045 34 32 31.6 34 --
Flot-VI -----	Flotille VI (9)(9)	-----	46N 155E	270 33 30 28.0 33 --
Flot-IX -----	Flotille IX (11)(11)	-----	53N 151E	349 18 18 18.0 33 --

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					
Pillau ----->	2 Arethusa	-----	9,868		Arethusa class

Ebling -----> 1 Arethusa ----- 8,829

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
I.A.G. -----	Lutzow -----	07N 129E	315	18	17	16.0	28	27
1477 yds	Seydlitz -----	09N 128E	294	18	17	19.8	27	--
1414 yds	Moltke -----	09N 130E	353	18	22	20.8	27	--
1462 yds	Von der Tann -----	08N 130E	315	18	14	19.2	27	--
II.A.G. -----	Frankfurt -----	52N 114E	220	20	20	20.0	28	27
3112 yds	Wiesbaden -----	54N 120E	241	18	28	28.0	28	--
indep.	Pillau -----	28N 110E	300	25	21	19.2	27	--
8860 yds	Regensburg -----	50N 133E	257	18	29	29.0	29	--
indep.	Ebling -----	23N 111E	315	20	20	18.2	27	--
Flot-II -----	Flotille II (10)(10) -----	49N 119E	052	34	33	32.8	34	--
Flot-VI -----	Flotille VI (9)(9) -----	49N 137E	258	33	31	30.6	33	--
Flot-IX -----	Flotille IX (11)(11) -----	54N 138E	228	33	21	18.4	33	--

HITS Heavy caliber Medium caliber

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

REPORTS

Visible to opposing side:
II.A.G. ----- Frankfurt
II.A.G. ----- Wiesbaden

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Frankfurt ----->	1	Arethusa -----	16,421	1	2 /Range rate
high					
Pillau ----->	2	Arethusa -----	9,015		Arethusa class
Ebling ----->	1	Arethusa -----	9,253	2	

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
I.A.G. -----	Lutzow -----	06N 118E	315	18	18	18.0	28	27
1061 yds	Seydlitz -----	07N 119E	304	18	14	15.0	27	--
986 yds	Moltke -----	07N 120E	323	18	15	15.0	27	--
791 yds	Von der Tann -----	06N 121E	315	18	14	12.8	27	--
II.A.G. -----	Frankfurt -----	42N 103E	220	20	20	20.0	28	27
1386 yds	Wiesbaden -----	43N 106E	234	18	28	28.0	28	--
indep.	Pillau -----	27N 98E	300	25	24	23.6	27	--
6106 yds	Regensburg -----	42N 117E	253	18	29	29.0	29	--
indep.	Ebling -----	22N 100E	315	20	20	20.0	27	--
Flot-II -----	Flotille II (10)(10) -----	45N 122E	154	34	33	33.6	34	--
Flot-VI -----	Flotille VI (9)(9) -----	41N 121E	252	33	32	31.8	33	--
Flot-IX -----	Flotille IX (11)(11) -----	43N 125E	231	33	29	26.6	33	--

HITS Heavy caliber Medium caliber

Turn 9 15:05 Hrs Real Time 01:28:31 PM 04/04/2020

REPORTS

Sighted 3 funneled cruiser ----- 28N 57E, Crs 090, Spd 25 from Pillau
another ----- 29N 56E, Crs 095, Spd 25
Visible to opposing side:

II.A.G. ----- Regensburg

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Pillau ----->	2	Arethusa -----	8,611		Arethusa class
Ebling ----->	1	Arethusa -----	9,386		

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
I.A.G. -----	Lutzow -----	05N 108E	315	23	23	21.0	28	27
	828 yds Seydlitz -----	05N 110E	317	23	17	15.4	27	--
	1019 yds Moltke -----	06N 111E	321	23	20	18.0	27	--
	1895 yds Von der Tann -----	05N 112E	324	23	19	17.0	27	--
II.A.G. -----	Frankfurt -----	31N 93E	220	20	20	20.0	28	27
	indep. Pillau -----	26N 86E	310	23	23	22.8	27	--
	3617 yds Regensburg -----	33N 102E	248	18	29	29.0	29	--
	indep. Ebling -----	22N 89E	315	23	23	22.8	27	--
Flot-II -----	Flotille II (10)(10) -----	37N 111E	252	34	17	18.6	34	--
Flot-VI -----	Flotille VI (9)(9) -----	31N 105E	245	33	33	32.8	33	--
Flot-IX -----	Flotille IX (11)(11) -----	31N 111E	240	33	31	30.4	33	--

HITS Heavy caliber Medium caliber

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

REPORTS

Sighted 4 funneled cruiser ----- 10N 44E, Crs 090, Spd 20 from Pillau

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Frankfurt ----->	1	Arethusa -----	11,283	1	2 Pillau
Pillau ----->	2	Arethusa -----	8,297		2 Arethusa class
Ebling ----->	1	Arethusa -----	9,386		2 Caroline class

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
I.A.G. -----	Lutzow -----	11N 94E	315	23	23	23.0	28	27
	1324 yds Seydlitz -----	10N 98E	315	23	22	20.0	27	--
	1064 yds Moltke -----	11N 98E	316	23	24	22.6	27	--
	2034 yds Von der Tann -----	10N 100E	318	23	23	21.8	27	--
II.A.G. -----	Frankfurt -----	31N 78E	270	25	24	22.4	28	27
	indep. Pillau -----	31N 72E	310	23	23	23.0	27	--
	indep. Regensburg -----	29N 87E	240	23	23	24.2	29	--
	indep. Ebling -----	27N 75E	315	23	23	23.0	27	--
Flot-II -----	Flotille II (10)(10) -----	35N 95E	245	34	27	23.0	34	--
Flot-VI -----	Flotille VI (9)(9) -----	28N 90E	212	33	20	25.4	33	--
Flot-IX -----	Flotille IX (11)(11) -----	26N 93E	242	33	32	31.6	33	--

HITS Heavy caliber Medium caliber

Orders for turn 11

Unit	Lead Ship	Crs	Spd	Formation	Primary/Torpedo
Target					
I.A.G. -----	Lutzow -----	315	23	Line Abst Stbd	auto / none
II.A.G. -----	Frankfurt -----	270	25	Line Ahead	auto Areth / none
	Pillau -----	310	23	Independent	auto Areth / none

FlotL -----	Regensburg -----	315	23	Independent	none / none
II.A.G. -----	Ebling -----	315	23	Line Ahead	auto Areth / none
Flot-II -----	Flotille II (10) -----	245	34	Independent	none / none
	Station on Regensburg			bearing 090,	2000 yards
Flot-VI -----	Flotille VI (9) -----	212	33	Independent	none / none
	Station on Regensburg			bearing 180,	2000 yards
Flot-IX -----	Flotille IX (11) -----	242	33	Independent	none / none
	Station on Lutzow			bearing 000,	4000 yards

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

REPORTS

Pillau reports smoke bearing WSW, about 19 NM, multiple ships
Sighted 4 funneled cruiser ----- 19N 30E, Crs 040, Spd 20 from Pillau
Sighted 4 funneled cruiser ----- 16N 35E, Crs 030, Spd 20 from Pillau
another ----- 16N 37E, Crs 035, Spd 20
Visible to opposing side:
Flot-VI ----- Flotille VI (9)
Flot-IX ----- Flotille IX (11)

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Frankfurt ----->	1	Arethusa -----	9,252	1	2
Pillau ----->	2	Arethusa -----	7,985		Arethusa class
Ebling ----->	1	Arethusa -----	9,386		2

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Lutzow -----	20N 85E	315	23 23 23.0 28 27
	1224 yds Seydlitz -----	20N 88E	315	23 24 23.6 27 --
	1789 yds Von der Tann -----	21N 90E	317	23 25 24.4 27 --
II.A.G. -----	Frankfurt -----	35N 65E	270	25 25 25.0 28 27
	indep. Pillau -----	40N 62E	310	23 23 23.0 27 --
FlotL -----	Regensburg -----	38N 78E	315	23 23 21.2 29 29
II.A.G. -----	Ebling -----	37N 66E	315	23 23 23.0 27 27
Flot-II -----	Flotille II (10)(10) -----	41N 81E	315	22 22 27.2 34 --
Flot-VI -----	Flotille VI (9)(9) -----	35N 81E	315	22 22 19.2 33 --
Flot-IX -----	Flotille IX (11)(11) -----	26N 79E	250	33 33 32.6 33 --

HITS

Heavy caliber Medium caliber

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

REPORTS

Frankfurt reports smoke bearing WSW, about 21 NM, multiple ships

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Frankfurt ----->	1	Arethusa -----	8,780		3
Wiesbaden ----->	4	Caroline -----	8,209		Arethusa class
Pillau ----->	1	Arethusa -----	9,669		3 Frankfurt
Ebling ----->	1	Arethusa -----	9,386		3

POSITIONS

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

I.A.G. -----	Lutzow -----	21N 84E	315	25	25	24.6	28	27
1125 yds	Seydlitz -----	21N 87E	315	23	26	25.2	27	--
1619 yds	Von der Tann -----	21N 89E	315	23	26	25.6	27	--
II.A.G. -----	Frankfurt -----	35N 65E	315	25	25	23.8	28	27
390 yds	Pillau -----	35N 67E	292	23	16	17.8	27	--
FlotL -----	Regensburg -----	38N 78E	315	23	23	23.0	29	29
II.A.G. -----	Ebling -----	37N 66E	315	23	23	23.0	27	27
Flot-II -----	Flotille II (10)(10) -----	41N 81E	315	23	23	23.0	34	--
Flot-VI -----	Flotille VI (9)(9) -----	35N 81E	315	23	23	23.0	33	--
Flot-IX -----	Flotille IX (11)(11) -----	27N 79E	315	25	25	22.2	33	--

HITS Heavy caliber Medium caliber

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

REPORTS

Frankfurt primary guns damaged

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Frankfurt ----->	1	Arethusa -----	8,569		2
Wiesbaden ----->	4	Caroline -----	7,986		Arethusa class
Pillau ----->	1	Arethusa -----	9,837		2
Ebling ----->	2	Arethusa -----	9,106		Arethusa class

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Lutzow -----	21N 84E	315	25 25 25.0 28 27
1352 yds	Von der Tann -----	22N 89E	315	23 27 26.6 27 --
II.A.G. -----	Frankfurt -----	36N 64E	315	25 25 25.0 28 27
802 yds	Pillau -----	33N 67E	313	23 24 20.0 27 --
FlotL -----	Regensburg -----	38N 78E	315	23 23 23.0 29 29
II.A.G. -----	Ebling -----	37N 66E	315	23 23 23.0 27 27
Flot-II -----	Flotille II (10)(10) -----	41N 81E	315	23 23 23.0 34 --
Flot-VI -----	Flotille VI (9)(9) -----	35N 81E	315	23 23 23.0 33 --
Flot-IX -----	Flotille IX (11)(11) -----	27N 78E	315	25 25 25.0 33 --

HITS Heavy caliber Medium caliber

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

REPORTS

Pillau reports smoke bearing SW, about 12 NM, multiple ships

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Frankfurt ----->	1	Arethusa -----	8,780		2
Wiesbaden ----->	4	Caroline -----	8,171		Arethusa class
Pillau ----->	1	Arethusa -----	9,455		2
Ebling ----->	2	Arethusa -----	9,106		Arethusa class

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Lutzow -----	32N 49E	315	18 20 22.0 28 27
II.A.G. -----	Frankfurt -----	46N 30E	315	18 18 19.6 28 27

FlotL -----	Regensburg -----	48N 44E	315	18	18	18.6	29	29
II.A.G. -----	Ebling -----	48N 30E	315	23	23	23.0	27	27
Flot-II -----	Flotille II (10)(10) -----	51N 46E	315	18	18	19.6	34	--
Flot-VI -----	Flotille VI (9)(9) -----	45N 46E	315	18	18	19.6	33	--
Flot-IX -----	Flotille IX (11)(11) -----	38N 43E	315	21	21	23.0	33	--

HITS Heavy caliber Medium caliber

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

REPORTS

Frankfurt reports smoke bearing WSW, about 18 NM, multiple ships
Frankfurt reports smoke bearing WSW, about 18 NM
Pillau reports smoke bearing SW, about 17 NM, multiple ships

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Frankfurt ----->	1	Arethusa -----	12,852	3	2 /Range rate
high					
Wiesbaden ----->	2	Arethusa -----	11,933	3	Arethusa class/
Range rate high					
Pillau ----->	1	Arethusa -----	11,924		2 /Range rate
high					
Ebling ----->	3	Arethusa -----	12,512		Wiesbaden/Range
rate high					

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Lutzow -----	31N 50E	315	18 18 18.2 28 27
II.A.G. -----	Frankfurt -----	39N 39E	120	18 18 16.2 28 27
FlotL -----	Regensburg -----	40N 53E	135	18 18 16.2 29 29
II.A.G. -----	Ebling -----	41N 40E	120	18 18 17.8 27 27
Flot-II -----	Flotille II (10)(10) -----	40N 50E	179	34 21 18.4 34 --
Flot-VI -----	Flotille VI (9)(9) -----	43N 50E	135	17 13 19.4 33 --
Flot-IX -----	Flotille IX (11)(11) -----	37N 44E	315	18 18 18.6 33 --

HITS Heavy caliber Medium caliber

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

REPORTS

Ebling reports smoke bearing SW, about 13 NM
Sighted Indefatigable class BC ----- -02N 16E, Crs 090, Spd 20 from Pillau
Sighted Indefatigable class BC ----- -02N 16E, Crs 090, Spd 20 from Wiesbaden

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Lutzow -----	25N 57E	135	18 15 14.4 28 27
II.A.G. -----	Frankfurt -----	31N 50E	120	23 23 22.2 28 27
indep.	Regensburg -----	29N 61E	152	26 26 23.6 29 --
766 yds	Ebling -----	34N 45E	113	23 15 16.0 27 --
Flot-II -----	Flotille II (10)(10) -----	28N 60E	135	26 26 23.0 34 --

Flot-VI -----	Flotille VI (9)(9) -----	34N 58E	150	33	23	19.0	33	--
Flot-IX -----	Flotille IX (11)(11) -----	31N 54E	125	33	21	18.4	33	--

HITS Heavy caliber Medium caliber

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

REPORTS

Ebling reports smoke bearing SSW, about 12 NM, multiple ships

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
I.A.G. -----	Lutzow -----	23N 58E	135	18	18	17.4	28	27
	400 yds Seydlitz -----	25N 56E	135	18	17	15.0	27	--
	700 yds Moltke -----	26N 55E	135	18	16	14.0	27	--
	567 yds Von der Tann -----	27N 54E	135	18	16	14.0	27	--
II.A.G. -----	Frankfurt -----	30N 53E	120	23	23	23.0	28	27
	indep. Regensburg -----	26N 61E	144	20	20	21.2	29	--
	1139 yds Ebling -----	33N 48E	118	23	23	20.6	27	--
Flot-II -----	Flotille II (10)(10) -----	25N 59E	152	20	20	22.4	34	--
Flot-VI -----	Flotille VI (9)(9) -----	28N 60E	152	20	20	26.0	33	--
Flot-IX -----	Flotille IX (11)(11) -----	28N 57E	128	33	29	26.6	33	--

HITS Heavy caliber Medium caliber

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

REPORTS

Sighted Lion class BC ----- -04N 19E, Crs 110, Spd 25 from Lutzow
 another ----- -04N 19E, Crs 110, Spd 25
 another ----- -03N 18E, Crs 110, Spd 25
 Sighted Tiger class BC ----- -02N 17E, Crs 110, Spd 20 from Lutzow

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
I.A.G. -----	Lutzow -----	21N 56E	162	18	18	18.0	28	27
II.A.G. -----	Frankfurt -----	30N 56E	120	23	23	23.0	28	27
	indep. Regensburg -----	22N 60E	161	24	24	23.6	29	--
	905 yds Ebling -----	33N 51E	120	23	25	24.4	27	--
Flot-II -----	Flotille II (10)(10) -----	21N 59E	144	24	24	22.8	34	--
Flot-VI -----	Flotille VI (9)(9) -----	24N 59E	144	24	24	22.8	33	--
Flot-IX -----	Flotille IX (11)(11) -----	23N 58E	152	33	31	30.4	33	--

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)				
------	----------------------------	-----------	-----	----------------------------	--	--	--	--

I.A.G. -----	Lutzow -----	21N 56E	162	18	18	18.0	28	27
II.A.G. -----	Frankfurt -----	32N 60E	120	23	23	23.0	28	27
indep.	Regensburg -----	21N 60E	163	22	22	22.0	29	--
Flot-II -----	Flotille II (10)(10) -----	20N 58E	161	22	22	22.4	34	--
Flot-VI -----	Flotille VI (9)(9) -----	23N 60E	161	22	22	22.4	33	--
Flot-IX -----	Flotille IX (11)(11) -----	19N 61E	159	33	32	31.6	33	--

HITS Heavy caliber Medium caliber

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

REPORTS

Lutzow reports smoke bearing SW, about 20 NM, multiple ships
 Sighted 3 funneled cruiser ----- 01N 31E, Crs 110, Spd 25 from Lutzow

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Lutzow ----->	1 Lion -----	-----15,918	8		
Target bears S066 from Lutzow					
Derfflinger ----->	2 Lion -----	-----16,151	8	2	Lion class
Seydlitz ----->	2 Lion -----	-----16,360	8	2	Lion class
Moltke ----->	3 Lion -----	-----16,593	8		Lion class
Von der Tann ----->	1 Indefatigable -----	-----17,043	8		Tiger class
fourth ship in enemy unit, Tiger class not under fire					

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Lutzow -----	20N 56E	162	22 22 20.8 28 27
	500 yds Von der Tann -----	25N 55E	162	22 17 16.6 27 --
II.A.G. -----	Frankfurt -----	30N 61E	162	25 25 24.0 28 27
indep.	Regensburg -----	20N 61E	162	23 23 22.8 29 --
Flot-II -----	Flotille II (10)(10) -----	19N 59E	163	23 23 22.6 34 --
Flot-VI -----	Flotille VI (9)(9) -----	21N 60E	163	23 23 22.6 33 --
Flot-IX -----	Flotille IX (11)(11) -----	15N 62E	162	22 22 25.8 33 --

HITS Heavy caliber Medium caliber
 2 Lion class ----- 1 hit, 1 total

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

REPORTS

Sighted 6 destroyers ----- 07N 30E, Crs 095, Spd 25 from Lutzow
 Sighted 11 destroyers ----- 04N 33E, Crs 110, Spd 25 from Lutzow

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Lutzow ----->	1 Lion -----	-----14,697	8		
Target bears S081 from Lutzow					
Derfflinger ----->	2 Lion -----	-----14,793	8		Lion class
Seydlitz ----->	3 Lion -----	-----14,888	10		Lion class
Moltke ----->	4 Tiger -----	-----14,984	10		Lion class
Von der Tann ----->	2 Indefatigable -----	-----14,652	8		Indefatigable class
first ship in enemy unit, Indefatigable class not under fire					

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
I.A.G. -----	Lutzow -----	21N 58E	146	22	22	22.0	28	27
	803 yds Von der Tann -----	26N 55E	151	22	22	20.0	27	--
II.A.G. -----	Frankfurt -----	30N 64E	146	25	25	25.0	28	27
	indep. Regensburg -----	20N 64E	141	24	24	24.0	29	--
Flot-II -----	Flotille II (10)(10) -----	19N 61E	162	24	24	23.8	34	--
Flot-VI -----	Flotille VI (9)(9) -----	22N 63E	162	24	24	23.8	33	--
Flot-IX -----	Flotille IX (11)(11) -----	17N 65E	146	22	22	21.6	33	--

HITS

	Heavy caliber	Medium caliber
1 Lion class -----	3 hits, 3 total	
4 Tiger class -----	3 hits, 3 total	
Lutzow -----	1 hit, 1 total	
Moltke -----	2 hits, 2 total	
Von der Tann -----	2 hits, 2 total	

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

REPORTS

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Lutzow ----->	1	Lion -----	15,773	8	
Target bears S081 from Lutzow					
Derfflinger ----->	2	Lion -----	15,569	8	Lion class
Seydlitz ----->	3	Lion -----	15,382	10	Lion class
Moltke ----->	4	Tiger -----	15,214	10	Lion class
Von der Tann ----->	2	Indefatigable -----	14,626	8	Indefatigable class
first ship in enemy unit, Indefatigable class not under fire					

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
I.A.G. -----	Lutzow -----	21N 58E	146	22	22	22.0	28	27
II.A.G. -----	Frankfurt -----	29N 64E	146	25	25	25.0	28	27
	indep. Regensburg -----	19N 64E	146	24	24	24.0	29	--
Flot-II -----	Flotille II (10)(10) -----	18N 62E	141	24	24	24.0	34	--
Flot-VI -----	Flotille VI (9)(9) -----	21N 63E	141	24	24	24.0	33	--
Flot-IX -----	Flotille IX (11)(11) -----	17N 65E	146	22	22	22.0	33	--

HITS

	Heavy caliber	Medium caliber
1 Lion class -----	2 hits, 5 total	
3 Lion class -----	1 hit, 1 total	
4 Tiger class -----	1 hit, 4 total	
2 Indefatigable class -----	1 hit, 1 total	
Lutzow -----	1 hit, 2 total	
Seydlitz -----	3 hits, 3 total	
Moltke -----	2 hits, 4 total	
Von der Tann -----	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					
Lutzow ----->	1	Lion -----	16,647	8	
Target bears S070 from Lutzow					
Derfflinger ----->	2	Lion -----	16,560	8	Lion class
Seydlitz ----->	3	Lion -----	16,474	10	Lion class
Moltke ----->	4	Tiger -----	16,387	10	Lion class
Von der Tann ----->	2	Indefatigable -----	15,947	8	Indefatigable

class

first ship in enemy unit, Indefatigable class not under fire

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
I.A.G. -----	Lutzow -----	20N 57E	158	24	24	23.8	28	27
II.A.G. -----	Frankfurt -----	27N 63E	158	25	25	25.0	28	27
indep.	Regensburg -----	17N 62E	161	26	26	25.2	29	--
Flot-II -----	Flotille II (10)(10) -----	17N 61E	146	26	26	24.8	34	--
Flot-VI -----	Flotille VI (9)(9) -----	19N 61E	146	26	26	24.8	33	--
Flot-IX -----	Flotille IX (11)(11) -----	15N 63E	158	24	24	23.8	33	--

HITS

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

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

REPORTS

Moltke shifts primary target
Tiger class BLOWN UP

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Lutzow ----->	1	Lion -----	17,343	8	
Target bears S071 from Lutzow					
Derfflinger ----->	2	Lion -----	17,255	8	Lion class
Seydlitz ----->	3	Lion -----	17,168	10	2 Lion class
Moltke ----->	3	Lion -----	17,338	10	2 Lion class
Von der Tann ----->	2	Indefatigable -----	16,652	8	Indefatigable

class

first ship in enemy unit, Indefatigable class not under fire

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
I.A.G. -----	Lutzow -----	20N 57E	158	24	24	24.0	28	27
II.A.G. -----	Frankfurt -----	27N 63E	158	25	25	25.0	28	27
indep.	Regensburg -----	17N 62E	158	26	26	26.0	29	--
Flot-II -----	Flotille II (10)(10) -----	16N 60E	161	26	26	26.0	34	--
Flot-VI -----	Flotille VI (9)(9) -----	19N 62E	161	26	26	26.0	33	--
Flot-IX -----	Flotille IX (11)(11) -----	15N 63E	158	24	24	24.0	33	--

HITS

	Heavy caliber	Medium caliber
2 Lion class -----	1 hit, 5 total	
2 Indefatigable class -----	1 hit, 2 total	
Lutzow -----	3 hits, 6 total	
Moltke -----	1 hit, 6 total	

Von der Tann ----- 1 hit, 5 total

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

REPORTS

Derfflinger primary guns damaged
Von der Tann reports smoke bearing W, about 13 NM, multiple ships
Sighted 4 funneled cruiser ----- -05N 29E, Crs 170, Spd 15 from Flotille II (10)
Sighted 4 funneled cruiser ----- -03N 29E, Crs 170, Spd 20 from Lutzow
Sighted 4 funneled cruiser ----- -05N 29E, Crs 170, Spd 20 from Lutzow

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Lutzow ----->	1	Lion -----	18,044	8	
Target bears S072 from Lutzow					
Derfflinger ----->	2	Lion -----	17,956	6	Lion class
Seydlitz ----->	3	Lion -----	17,869	10	L Destroyer
class					
Moltke ----->	1	Indefatigable -----	17,451	10	
Von der Tann ----->	2	Indefatigable -----	17,362	8	Indefatigable
class					

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Lutzow -----	20N 57E	158	24 24 24.0 28 27
II.A.G. -----	Frankfurt -----	26N 63E	158	25 25 25.0 28 27
indep.	Regensburg -----	16N 59E	182	29 26 25.6 29 --
Flot-II -----	Flotille II (10)(10) -----	15N 58E	158	26 26 25.6 34 --
Flot-VI -----	Flotille VI (9)(9) -----	16N 60E	178	33 31 29.8 33 --
Flot-IX -----	Flotille IX (11)(11) -----	14N 59E	158	26 26 24.0 33 --

HITS

	Heavy caliber	Medium caliber
1 Lion class -----	1 hit, 8 total	
2 Lion class -----	3 hits, 8 total	
3 Lion class -----	5 hits, 6 total	
2 Indefatigable class -----	1 hit, 3 total	
Lutzow -----	1 hit, 7 total	
Derfflinger -----	1 hit, 1 total	
Seydlitz -----	1 hit, 4 total	

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

REPORTS

Sighted Queen Elizabeth class DN ----- 33N 10E, Crs 135, Spd 25 from Von der Tann
Sighted 4 funneled cruiser ----- -04N 27E, Crs 170, Spd 20 from Flotille II (10)

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Lutzow ----->	1	Lion -----	18,723	8	L Destroyer
class					
Target bears S073 from Lutzow					
Derfflinger ----->	2	Lion -----	18,634	6	L Destroyer

```

class
  Seydlitz -----> 3 Lion -----18,545 10      Lion class
  Moltke -----> 1 Indefatigable -----18,140 10
  Von der Tann -----> 2 Indefatigable -----18,050 8      Indefatigable
class
  Flotille II (10) -----> M Destroyer -----11,331      5 /Range rate
high
  Flotille VI (9) -----> M Destroyer -----11,670      4
  Flotille IX (11) -----> M Destroyer -----11,059      4
  first ship in enemy unit, Queen Elizabeth class not under fire

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POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
I.A.G. -----	Lutzow -----	19N 57E	158	25	25	24.8	28	27
II.A.G. -----	Frankfurt -----	26N 64E	158	25	25	25.0	28	27
indep.	Regensburg -----	14N 57E	177	29	27	26.8	29	--
Flot-II -----	Flotille II (10)(10) -----	14N 54E	182	27	27	26.6	34	--
Flot-VI -----	Flotille VI (9)(9) -----	12N 56E	182	27	27	29.4	33	--
Flot-IX -----	Flotille IX (11)(11) -----	13N 55E	182	27	27	27.0	33	--

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HITS
  2 Lion class ----- 1 hit, 9 total
  Moltke ----- 1 hit, 7 total

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

REPORTS

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  Enemy flotilla launches torpedoes and turns to southwest
  Sighted Queen Elizabeth class DN ----- 39N 09E, Crs 135, Spd 25 from Von der
Tann
  Sighted Queen Elizabeth class DN ----- 38N 10E, Crs 135, Spd 25 from Von der
Tann
  Sighted Queen Elizabeth class DN ----- 37N 11E, Crs 135, Spd 25 from Von der
Tann

```

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Lutzow ----->	1	Lion -----	18,795	8	
Target bears S063 from Lutzow					
Derfflinger ----->	2	Lion -----	18,795	6	Lion class
Seydlitz ----->	3	Lion -----	18,795	8	Lion class
Moltke ----->	1	Indefatigable -----	18,488	10	
Von der Tann ----->	2	Indefatigable -----	18,488	8	Indefatigable
class					
Regensburg ----->	L	Destroyer -----	11,832	4	Flotille IX
(11)					
Flotille II (10) ----->	M	Destroyer -----	8,243	3	M Destroyer
class					
Flotille VI (9) ----->	M	Destroyer -----	8,376	2	M Destroyer
class					
Flotille IX (11) ----->	L	Destroyer -----	10,849	2	
first ship in enemy unit, Queen Elizabeth class not under fire					
third ship in enemy unit, Queen Elizabeth class not under fire					

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
I.A.G. -----	Lutzow -----	19N 56E	169	25	25	25.0	28	27
II.A.G. -----	Frankfurt -----	26N 64E	158	25	25	25.0	28	27

indep.	Regensburg	-----	12N 54E	176	29	28	28.0	29	--
Flot-II	Flotille II (10)(10)	-----	12N 52E	177	28	28	27.8	34	--
Flot-VI	Flotille VI (9)(9)	-----	10N 54E	177	28	28	27.8	33	--
Flot-IX	Flotille IX (11)(11)	-----	11N 53E	177	28	28	27.8	33	--

HITS		Heavy caliber	Medium caliber
1 Lion class	-----	1 hit, 9 total	
2 Lion class	-----	1 hit, 10 total	
Seydlitz	-----	1 hit, 5 total	

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

REPORTS
Flotille II (10) avoiding torpedoes (toward)

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Lutzow	----->	1 Lion	-----18,720	8	
Target bears S064 from Lutzow					
Derfflinger	----->	2 Lion	-----18,720	6	Lion class
Seydlitz	----->	3 Lion	-----18,720	8	Lion class
Moltke	----->	1 Indefatigable	-----18,419	10	
Von der Tann	----->	2 Indefatigable	-----18,419	8	Indefatigable
class					
Regensburg	----->	L Destroyer	----- 9,182	8	Flotille IX
(11)					
Flotille II (10)	----->	L Destroyer	----- 8,135	5	
Flotille VI (9)	----->	L Destroyer	----- 8,609	5	
Flotille IX (11)	----->	L Destroyer	----- 8,146	5	
first ship in enemy unit, Queen Elizabeth class not under fire					
third ship in enemy unit, Queen Elizabeth class not under fire					

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G.	Lutzow	19N 56E	169	25 25 25.0 28 27
II.A.G.	Frankfurt	26N 64E	169	25 25 25.0 28 27
indep.	Regensburg	11N 54E	172	29 29 29.0 29 --
Flot-II	Flotille II (10)(10)	13N 51E	166	34 22 27.4 34 --
Flot-VI	Flotille VI (9)(9)	09N 54E	176	29 29 28.8 33 --
Flot-IX	Flotille IX (11)(11)	10N 52E	176	29 29 28.8 33 --

HITS		Heavy caliber	Medium caliber
2 Lion class	-----	1 hit, 11 total	
1 Indefatigable class	-----	1 hit, 1 total	
Lutzow	-----	2 hits, 9 total	
Seydlitz	-----	1 hit, 6 total	
Moltke	-----	1 hit, 8 total	

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

REPORTS
Derfflinger avoiding torpedoes (away)
Seydlitz avoiding torpedoes (away)
Moltke avoiding torpedoes (away)
Von der Tann avoiding torpedoes (away)
Seydlitz combing torpedoes (away)

Derfflinger combing torpedoes (away)

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con
Obstruction/problem					
Regensburg ----->	L Destroyer	-----	8,662	10	Flotille IX
(11)					
Flotille II (10) ----->	L Destroyer	-----	6,927	7	
Flotille VI (9) ----->	L Destroyer	-----	7,699	5	
Flotille IX (11) ----->	L Destroyer	-----	7,213	6	
first ship in enemy unit, Lion class not under fire					
third ship in enemy unit, Lion class not under fire					
first ship in enemy unit, Queen Elizabeth class not under fire					
second ship in enemy unit, Queen Elizabeth class not under fire					

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)					
I.A.G. -----	Lutzow ----->	22N 60E	130	25	24	23.6	28	27	
	relat. Derfflinger ----->	26N 60E	130	25	20	21.8	28	--	
	relat. Seydlitz ----->	27N 60E	130	25	19	21.4	27	--	
	relat. Moltke ----->	27N 60E	130	25	17	21.0	27	--	
	relat. Von der Tann ----->	27N 60E	130	25	19	22.4	27	--	
II.A.G. -----	Frankfurt ----->	26N 64E	169	28	26	25.6	28	27	
	relat. Wiesbaden ----->	27N 63E	169	28	26	25.6	28	--	
	relat. Pillau ----->	28N 63E	169	27	26	25.4	27	--	
	indep. Regensburg ----->	12N 58E	140	29	27	27.4	29	--	
	relat. Ebling ----->	30N 63E	169	27	26	25.4	27	--	
Flot-II -----	Flotille II (10)(10) ----->	12N 55E	118	34	31	27.6	34	--	
Flot-VI -----	Flotille VI (9)(9) ----->	10N 58E	172	27	27	27.8	33	--	
Flot-IX -----	Flotille IX (11)(11) ----->	10N 56E	172	27	27	27.8	33	--	

HITS

	Heavy caliber	Medium caliber
Lutzow ----->	1 hit,	10 total