

Scenario: Dogger Operation A.G., Scouting Group

Initial conditions

Wind E at 10 knots
Visibility 22,000 yards (44 inches), steady

Table with columns: Unit, Position (inches), Course, Speed (ord/max/unit), Ammunition (rpg) (AP / Other). Rows include I.A.G. in formation line ahead and II.A.G. in formation screen circular.

POSITIONS (operational movement)

Table with columns: Time, Flagship, Position (NM), Course, Speed, and an additional column for status. Rows show movement from 07:10 Hrs to 16:15 Hrs.

Disposition conditions

Wind E at 10 knots
Visibility 22,000 yards (44 inches), steady

Table with columns: Unit, Position (inches), Course, Speed (ord/max/unit), Ammunition (rpg) (AP / Other). Rows include I.A.G. in formation line ahead and II.A.G. in formation screen circular.

Turn 111 16:20 Hrs Real Time 07:17:19 AM 05/08/2021

REPORTS for A.G.

Stralsund reports smoke bearing NW, about 20 NM, multiple ships
Stralsund reports smoke bearing NNW, about 25 NM
Stralsund reports smoke bearing NW, about 25 NM, multiple ships
Stralsund reports smoke bearing NNW, about 25 NM, multiple ships
Apparent wind on Seydlitz from WNW at 6 knots (2 points to starboard)

POSITIONS

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

HITS Heavy caliber Medium caliber

Turn 112 16:25 Hrs Real Time 07:17:36 AM 05/08/2021

REPORTS for A.G.

Apparent wind on Seydlitz from W at 11 knots (ahead)

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
I.A.G. -----	Seydlitz -----	-63N 111E	270	26	21	19.0	27	25
II.A.G. -----	Graudenz -----	-75N 90E	270	16	21	19.0	29	27
screen	Stralsund -----	-51N 90E	270	16	21	19.0	29	--
screen	Rostock -----	-87N 111E	270	16	21	19.0	27	--
screen	Kolberg -----	-39N 111E	270	16	21	19.0	27	--
Flot-V -----	Flotille V (10)(10) -----	-59N 111E	270	20	20	18.0	33	--
Flot-VIII ---	Flotille VIII (10)(10) ---	-67N 111E	270	20	20	18.0	33	--

HITS Heavy caliber Medium caliber

Turn 113 16:30 Hrs Real Time 07:17:53 AM 05/08/2021

REPORTS for A.G.

Stralsund reports smoke bearing NW, about 25 NM, 3 columns

Stralsund reports smoke bearing NW, about 25 NM, 2 columns

Apparent wind on Seydlitz from W at 14 knots (ahead)

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
I.A.G. -----	Seydlitz -----	-58N 99E	270	26	24	23.2	27	25
II.A.G. -----	Graudenz -----	-70N 78E	270	16	24	23.2	29	27
screen	Stralsund -----	-46N 78E	270	16	24	23.2	29	--
screen	Rostock -----	-82N 99E	270	16	24	23.0	27	--
screen	Kolberg -----	-34N 99E	270	16	24	23.0	27	--
Flot-V -----	Flotille V (10)(10) -----	-54N 99E	270	24	24	22.6	33	--
Flot-VIII ---	Flotille VIII (10)(10) ---	-62N 99E	270	24	24	22.6	33	--

HITS Heavy caliber Medium caliber

Turn 114 16:35 Hrs Real Time 07:20:13 AM 05/08/2021

REPORTS for A.G.

Stralsund reports smoke bearing NW, about 25 NM, 4 columns

Kolberg reports smoke bearing NW, about 15 NM

Apparent wind on Seydlitz from W at 15 knots (ahead)

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
I.A.G. -----	Seydlitz -----	-53N 86E	270	26	25	24.8	27	25
II.A.G. -----	Graudenz -----	-65N 65E	270	16	25	24.8	29	27
screen	Stralsund -----	-41N 65E	270	16	25	24.8	29	--
screen	Rostock -----	-77N 86E	270	16	25	24.4	27	--
screen	Kolberg -----	-29N 86E	270	16	25	24.4	27	--
Flot-V -----	Flotille V (10)(10) -----	-49N 86E	270	25	25	24.6	33	--
Flot-VIII ---	Flotille VIII (10)(10) ---	-57N 86E	270	25	25	24.6	33	--

HITS Heavy caliber Medium caliber

Turn 115 16:40 Hrs Real Time 07:21:05 AM 05/08/2021

REPORTS for A.G.

Kolberg reports smoke bearing NNW, about 15 NM

Apparent wind on Seydlitz from W at 16 knots (ahead)

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)				
I.A.G. -----	Seydlitz -----	-48N 72E	270	26	26	26.0	27	25

II.A.G. -----	Graudenz -----	-60N 52E	270	16	26	25.8	29	27
screen	Stralsund -----	-36N 52E	270	16	26	25.8	29	--
screen	Rostock -----	-72N 72E	270	16	26	25.4	27	--
screen	Kolberg -----	-24N 72E	270	16	26	25.4	27	--
Flot-V -----	Flotille V (10)(10) -----	-44N 72E	270	26	26	25.8	33	--
Flot-VIII ---	Flotille VIII (10)(10) ---	-52N 72E	270	26	26	25.8	33	--

HITS Heavy caliber Medium caliber

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 Turn 116 16:45 Hrs Real Time 07:21:53 AM 05/08/2021

REPORTS for A.G.
 Apparent wind on Seydlitz from W at 16 knots (ahead)

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Seydlitz -----	-44N 59E	270	26 26 26.0 27 25
II.A.G. -----	Graudenz -----	-56N 38E	270	16 26 26.0 29 27
screen	Stralsund -----	-32N 38E	270	16 26 26.0 29 --
screen	Rostock -----	-68N 59E	270	16 26 26.0 27 --
screen	Kolberg -----	-20N 59E	270	16 26 26.0 27 --
Flot-V -----	Flotille V (10)(10) -----	-40N 59E	270	26 26 26.0 33 --
Flot-VIII ---	Flotille VIII (10)(10) ---	-48N 59E	270	26 26 26.0 33 --

HITS Heavy caliber Medium caliber

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 Turn 117 16:50 Hrs Real Time 07:27:29 AM 05/08/2021

REPORTS for A.G.
 Sighted 4 funneled cruiser ----- 03N -02E, Crs 135, Spd 25 from Stralsund
 Sighted 3 funneled cruiser ----- 25N 56E, Crs 135, Spd 20 from Kolberg
 Sighted 7 destroyers ----- 24N 57E, Crs 135, Spd 20 from Kolberg
 Sighted 3 funneled cruiser ----- 25N 46E, Crs 125, Spd 25 from Kolberg
 Apparent wind on Seydlitz from W at 16 knots (ahead)

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Seydlitz -----	-39N 46E	270	26 26 26.0 27 25
II.A.G. -----	Graudenz -----	-51N 25E	270	16 26 26.0 29 27
screen	Stralsund -----	-27N 25E	270	16 26 26.0 29 --
screen	Rostock -----	-63N 46E	270	16 26 26.0 27 --
screen	Kolberg -----	-15N 46E	270	16 26 26.0 27 --
Flot-V -----	Flotille V (10)(10) -----	-35N 46E	270	26 26 26.0 33 --
Flot-VIII ---	Flotille VIII (10)(10) ---	-43N 46E	270	26 26 26.0 33 --

HITS Heavy caliber Medium caliber

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 Orders for turn 118

Unit	Lead Ship	Crs	Spd	Formation	Primary/Torpedo Target
I.A.G. -----	Seydlitz -----	270	26	line ahead	auto / auto
II.A.G. -----	Graudenz -----	270	16	screen circular	auto / auto
	Station on Seydlitz			bearing 000,	12000 yards
Flot-V -----	Flotille V (10) -----	270	26	independent	n/a / auto
	Station on Seydlitz			bearing 090,	2000 yards
Flot-VIII ---	Flotille VIII (10) -----	270	26	independent	n/a / auto
	Station on Seydlitz			bearing 270,	2000 yards

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 Turn 118 16:55 Hrs Real Time 07:30:00 AM 05/08/2021

REPORTS for A.G.
 Sighted Lion class BC ----- 26N 14E, Crs 135, Spd 20 from Kolberg
 Sighted Tiger class BC ----- 27N 13E, Crs 135, Spd 20 from Kolberg

Sighted Lion class BC ----- 27N 14E, Crs 135, Spd 20 from Kolberg
 Sighted 4 funneled cruiser ----- 17N 04E, Crs 135, Spd 25 from Stralsund
 Apparent wind on Seydlitz from W at 16 knots (ahead)

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Seydlitz -----	-34N 32E	270	26 26 26.0 27 25
II.A.G. -----	Graudenz -----	-46N 12E	270	16 26 26.0 29 27
screen	Stralsund -----	-22N 12E	270	16 26 26.0 29 --
screen	Rostock -----	-58N 32E	270	16 26 26.0 27 --
screen	Kolberg -----	-10N 32E	270	16 26 26.0 27 --
Flot-V -----	Flotille V (10)(10) -----	-30N 32E	270	26 26 26.0 33 --
Flot-VIII ---	Flotille VIII (10)(10) ---	-38N 32E	270	26 26 26.0 33 --

HITS Heavy caliber Medium caliber

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 Turn 119 16:60 Hrs Real Time 07:33:30 AM 05/08/2021

REPORTS for A.G.

Sighted Indefatigable class BC ----- 33N 07E, Crs 135, Spd 25 from Kolberg
 Sighted Invincible class BC ----- 34N 07E, Crs 135, Spd 20 from Kolberg
 Sighted 4 funneled cruiser ----- 33N 12E, Crs 135, Spd 25 from Kolberg
 Apparent wind on Seydlitz from W at 16 knots (ahead)

TARGETING

Firing Ship	Pos. Target class	Range yds	Arc	Con	Obstruction/problem
Stralsund ----->	Birmingham -----	10,289			

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Seydlitz -----	-30N 19E	270	26 26 26.0 27 25
II.A.G. -----	Graudenz -----	-34N 05E	346	27 24 22.0 29 27
Flot-V -----	Flotille V (10)(10) -----	-26N 19E	270	26 26 26.0 33 --
Flot-VIII ---	Flotille VIII (10)(10) ---	-34N 19E	270	26 26 26.0 33 --

HITS Heavy caliber Medium caliber

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 Turn 120 17:05 Hrs Real Time 07:45:28 AM 05/08/2021

REPORTS for A.G.

Apparent wind on Seydlitz from NNE at 24 knots (2 points to starboard)

TARGETING

Firing Ship	Pos. Target class	Range yds	Arc	Con	Obstruction/problem
first ship in enemy unit,	Lion class not under fire				

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Seydlitz -----	-18N 15E	003	26 19 19.2 27 25
II.A.G. -----	Graudenz -----	-20N 01E	005	27 27 26.4 29 27
Flot-V -----	Flotille V (10)(10) -----	-18N 19E	003	18 18 22.4 33 --
Flot-VIII ---	Flotille VIII (10)(10) ---	-23N 14E	359	33 13 18.8 33 --

HITS Heavy caliber Medium caliber

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 Turn 121 17:10 Hrs Real Time 07:48:37 AM 05/08/2021

REPORTS for A.G.

Apparent wind on Seydlitz from NNE at 28 knots (2 points to starboard)

TARGETING

Firing Ship	Pos. Target class	Range yds	Arc	Con	Obstruction/problem
Seydlitz ----->	1 Lion -----	16,070	2	2	/Range rate high

Moltke -----> 1 Lion -----16,569 2 2 /Range rate high
 Derfflinger -----> 2 Tiger -----17,266 4 4 Lion class/Range rate
 high
 third ship in enemy unit, Lion class not under fire
 second ship in enemy unit, Invincible class not under fire

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Seydlitz -----	-03N 14E	009	26 23 21.8 27 25
II.A.G. -----	Graudenz -----	-04N 01E	012	27 27 27.0 29 27
Flot-V -----	Flotille V (10)(10) -----	-03N 18E	009	23 23 21.0 33 --
Flot-VIII ---	Flotille VIII (10)(10) ---	-08N 13E	006	33 23 19.0 33 --

HITS Heavy caliber Medium caliber

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 Turn 122 17:15 Hrs Real Time 07:51:36 AM 05/08/2021

REPORTS for A.G.

Sighted 4 funneled cruiser ----- 48N 01E, Crs 205, Spd 25 from Seydlitz
 Apparent wind on Seydlitz from NW at 11 knots (2 points to starboard)

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con	Obstruction/problem
Seydlitz ----->	1	Lion -----	15,167			
Moltke ----->	2	Tiger -----	15,010			Lion class
Derfflinger ----->	3	Lion -----	14,916			Tiger class
Blucher ----->	2	Birmingham -----	15,498	6	2	/Range rate high
Graudenz ----->	1	Chatham -----	7,273		9	
Kolberg ----->	1	Chatham -----	8,361		9	

first ship in enemy unit, Indefatigable class not under fire
 second ship in enemy unit, Invincible class not under fire

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Seydlitz -----	07N 06E	284	26 19 18.8 27 25
II.A.G. -----	Graudenz -----	09N -06E	307	19 19 19.8 29 27
Flot-V -----	Flotille V (10)(10) -----	07N 12E	291	12 12 15.2 33 --
Flot-VIII ---	Flotille VIII (10)(10) ---	05N 05E	311	33 27 24.2 33 --

HITS Heavy caliber Medium caliber
 1 Lion class ----- 3 hits, 3 total
 2 Tiger class ----- 1 hit, 1 total
 3 Lion class ----- 1 hit, 1 total
 1 Indefatigable class ----- 0 hit, 0 total 1 hit, 1 total
 Seydlitz ----- 1 hit, 1 total
 Moltke ----- 1 hit, 1 total

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 Turn 123 17:20 Hrs Real Time 07:58:35 AM 05/08/2021

REPORTS for A.G.

Apparent wind on Seydlitz from N at 20 knots (2 points to starboard)

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con	Obstruction/problem
Seydlitz ----->	1	Lion -----	14,916			
Moltke ----->	2	Tiger -----	14,874			Lion class
Derfflinger ----->	3	Lion -----	14,899			Tiger class
Blucher ----->	1	Indefatigable -----	14,870	8		
Graudenz ----->	1	Chatham -----	3,087	2	6	
Stralsund ----->	2	Birmingham -----	5,458		3	
Rostock ----->	1	Chatham -----	12,872	1	6	
Kolberg ----->	3	Birmingham -----	5,585			Stralsund
Flotille VIII (10) ----->	1	Chatham -----	6,934		5	

second ship in enemy unit, Invincible class not under fire

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Seydlitz -----	09N 30E	327	26 21 19.6 27 25
II.A.G. -----	Graudenz -----	12N 19E	336	27 26 23.8 29 27
Flot-V -----	Flotille V (10)(10) -----	07N 36E	318	33 21 17.2 33 --
Flot-VIII ---	Flotille VIII (10)(10) ---	05N 24E	286	33 30 29.6 33 --

HITS

	Heavy caliber	Medium caliber
1 Lion class -----	5 hits, 8 total	
2 Tiger class -----	6 hits, 7 total	
3 Lion class -----	2 hits, 3 total	
Seydlitz -----	1 hit, 2 total	

Turn 124 17:25 Hrs Real Time 08:04:23 AM 05/08/2021

REPORTS for A.G.

Graudenz primary guns damaged
 Graudenz machinery damaged
 Graudenz turns away to SE due to close range
 Stralsund primary guns damaged
 Apparent wind on Seydlitz from N at 24 knots (2 points to starboard)

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con	Obstruction/problem
Seydlitz ----->	1	Lion -----	16,447			
Moltke ----->	2	Tiger -----	16,065			Lion class
Derfflinger ----->	3	Lion -----	15,736			Tiger class
Blucher ----->	1	Indefatigable -----	15,296	8		
Graudenz ----->	1	Chatham -----	4,898	2	2	Kolberg/Downwind
Stralsund ----->	1	Chatham -----	4,429	2	2	Stralsund/Downwind
Kolberg ----->	3	Birmingham -----	2,527		2	Birmingham class
Flotille V (10) ----->	4	Birmingham -----	8,415			
Flotille VIII (10) ----->	2	Birmingham -----	3,821		4	Birmingham class

second ship in enemy unit, Invincible class not under fire

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Seydlitz -----	22N 24E	338	26 24 23.2 27 25
II.A.G. -----	Graudenz -----	18N 18E	129	26 19 23.2 26 26
Flot-V -----	Flotille V (10)(10) -----	20N 27E	318	33 29 26.6 33 --
Flot-VIII ---	Flotille VIII (10)(10) ---	18N 14E	338	24 24 25.4 33 --

HITS

	Heavy caliber	Medium caliber
1 Lion class -----	4 hits, 12 total	
2 Tiger class -----	2 hits, 9 total	
3 Lion class -----	7 hits, 10 total	
Seydlitz -----	1 hit, 3 total	
Moltke -----	1 hit, 2 total	
Derfflinger -----	2 hits, 2 total	
Graudenz medium damage		
Stralsund medium damage		

Turn 125 17:30 Hrs Real Time 08:07:49 AM 05/08/2021

REPORTS for A.G.

Stralsund primary guns damaged
 Enemy Birmingham class BLOWN UP
 Apparent wind on Seydlitz from N at 25 knots (2 points to starboard)

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con	Obstruction/problem
Moltke ----->	2	Tiger -----	19,288	8		Lion class/Range rate high

Derfflinger -----> 3 Lion -----18,767 Tiger class/Range rate high
 Graudenz -----> 1 Chatham ----- 8,387 2
 Stralsund -----> 1 Chatham ----- 7,961 2 Graudenz/3ptsS
 Rostock -----> 2 Birmingham ----- 7,335 2
 Kolberg -----> 3 Birmingham ----- 7,244 5 2 /Downwind
 Flotille V (10) -----> 1 Chatham ----- 7,775 3
 Flotille VIII (10) -----> 3 Birmingham ----- 3,940 2
 first ship in enemy unit, Lion class not under fire
 first ship in enemy unit, Indefatigable class not under fire
 second ship in enemy unit, Invincible class not under fire

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Seydlitz -----	35N 17E	338	26 25 24.8 27 25
II.A.G. -----	Graudenz -----	19N 20E	129	26 26 24.0 26 26
Flot-V -----	Flotille V (10)(10) -----	26N 17E	334	33 27 24.4 33 --
Flot-VIII ---	Flotille VIII (10)(10) ---	31N 07E	338	25 25 24.6 33 --

HITS

	Heavy caliber	Medium caliber
1 Lion class -----	1 hit, 13 total	
2 Tiger class -----	1 hit, 10 total	
3 Lion class -----	3 hits, 13 total	

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 Turn 126 17:35 Hrs Real Time 08:12:56 AM 05/08/2021

REPORTS for A.G.

Apparent wind on Seydlitz from ENE at 30 knots (ahead)

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con	Obstruction/problem
Seydlitz ----->	1 Lion -----	18,663	8			
Moltke ----->	2 Tiger -----	19,164	8			Lion class
Graudenz ----->	1 Chatham -----	12,238	2			
Graudenz/Downwind/Range rate high						
Stralsund ----->	2 Birmingham -----	11,620	2	3		
Graudenz/2ptsP/Downwind						
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. -----	Seydlitz -----	45N 21E	061	26 20 20.0 27 25
II.A.G. -----	Graudenz -----	29N 25E	057	26 25 22.8 26 26
Flot-V -----	Flotille V (10)(10) -----	39N 21E	043	33 28 25.8 33 --
Flot-VIII ---	Flotille VIII (10)(10) ---	41N 12E	058	13 13 21.2 33 --

HITS

	Heavy caliber	Medium caliber
1 Lion class -----	1 hit, 14 total	
2 Tiger class -----	1 hit, 11 total	

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 Turn 127 17:40 Hrs Real Time 08:19:41 AM 05/08/2021

REPORTS for A.G.

Moltke primary guns damaged
 Apparent wind on Seydlitz from ENE at 34 knots (ahead)

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con	Obstruction/problem
Seydlitz ----->	1 Lion -----	16,525	8			
Moltke ----->	2 Tiger -----	16,760	8			Lion class
Derfflinger ----->	3 Lion -----	16,996				Tiger class
first ship in enemy unit, Indefatigable class not under fire						
second ship in enemy unit, Invincible class not under fire						

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Seydlitz -----	44N 27E	061	26 24 22.6 27 25
II.A.G. -----	Graudenz -----	29N 32E	058	26 26 25.8 26 26
Flot-V -----	Flotille V (10)(10) -----	43N 26E	032	33 31 30.4 33 --
Flot-VIII ---	Flotille VIII (10)(10) ---	40N 16E	058	33 23 19.0 33 --

HITS

	Heavy caliber	Medium caliber
2 Tiger class -----	1 hit, 12 total	
Moltke -----	2 hits, 4 total	

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 Turn 128 17:45 Hrs Real Time 08:22:13 AM 05/08/2021

REPORTS for A.G.

Sighted 14 destroyers ----- 07N 66E, Crs 050, Spd 15 from Graudenz
 Sighted 3 funneled cruiser ----- 16N 71E, Crs 015, Spd 25 from Graudenz
 Sighted 11 destroyers ----- 14N 70E, Crs 015, Spd 25 from Graudenz
 Apparent wind on Seydlitz from ENE at 35 knots (ahead)

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con	Obstruction/problem
Seydlitz ----->	1 Lion -----	-----	14,658	8	2	Invincible class
Moltke ----->	2 Tiger -----	-----	14,835	7		Lion class
Derfflinger ----->	3 Lion -----	-----	15,013			Tiger class
Blucher ----->	1 Lion -----	-----	15,646	8	2	Invincible class
first ship in enemy unit, Indefatigable class not under fire						
second ship in enemy unit, Invincible class not under fire						

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Seydlitz -----	43N 31E	061	26 25 24.6 27 25
II.A.G. -----	Graudenz -----	29N 36E	057	26 26 26.0 26 26
Flot-V -----	Flotille V (10)(10) -----	47N 28E	028	33 32 31.6 33 --
Flot-VIII ---	Flotille VIII (10)(10) ---	40N 21E	055	33 30 28.0 33 --

HITS

	Heavy caliber	Medium caliber
1 Lion class -----	2 hits, 16 total	
2 Tiger class -----	4 hits, 16 total	
3 Lion class -----	2 hits, 15 total	
Seydlitz -----	1 hit, 4 total	
Moltke -----	2 hits, 6 total	

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 Turn 129 17:50 Hrs Real Time 08:25:52 AM 05/08/2021

REPORTS for A.G.

Moltke secondary magazine lost
 Moltke primary guns damaged
 Apparent wind on Seydlitz from NE at 30 knots (2 points to starboard)

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con	Obstruction/problem
Seydlitz ----->	1 Lion -----	-----	15,515			Indefatigable class
Moltke ----->	2 Tiger -----	-----	15,300			Lion class
Derfflinger ----->	3 Lion -----	-----	15,084			Tiger class
Blucher ----->	1 Indefatigable -----	-----	15,521	8		
second ship in enemy unit, Invincible class not under fire						

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Seydlitz -----	46N 30E	018	26 24 23.8 27 25
II.A.G. -----	Graudenz -----	32N 35E	016	26 26 25.0 26 26
Flot-V -----	Flotille V (10)(10) -----	48N 22E	018	24 24 24.2 33 --
Flot-VIII ---	Flotille VIII (10)(10) ---	45N 20E	016	33 30 29.0 33 --


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HITS
1 Lion class ----- 3 hits, 19 total
2 Tiger class ----- 2 hits, 18 total
3 Lion class ----- 1 hit, 16 total
Moltke ----- 5 hits, 11 total
Moltke medium damage
Derfflinger ----- 1 hit, 3 total

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Turn 130          17:55 Hrs      Real Time 08:29:41 AM 05/08/2021

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REPORTS for A.G.

Apparent wind on Seydlitz from NE at 31 knots (2 points to starboard)

TARGETING

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Firing Ship          Pos. Target class          Range yds Arc Con Obstruction/problem
Seydlitz -----> 1 Lion -----17,112
Moltke -----> 2 Tiger -----16,651
Derfflinger -----> 3 Lion -----16,193
Blucher -----> 1 Indefatigable -----15,268 8

```

POSITIONS

```

Unit          Lead, screen, out of form.  Pos (in.)    Crs  Spd(ord/cur/avg /max/unit)
I.A.G. ----- Seydlitz ----- 48N 28E      018   26 25 24.8 27 25
II.A.G. ----- Graudenz ----- 36N 32E      016   26 26 26.0 26 26
Flot-V ----- Flotille V (10)(10) ----- 51N 20E      018   25 25 24.6 33 --
Flot-VIII --- Flotille VIII (10)(10) --- 50N 18E      016   33 31 30.6 33 --

```

```

HITS
1 Lion class ----- 1 hit, 20 total
2 Tiger class ----- 2 hits, 20 total
3 Lion class ----- 2 hits, 18 total
Moltke ----- 2 hits, 13 total

```

```

=====
Turn 131          17:60 Hrs      Real Time 08:33:17 AM 05/08/2021

```

REPORTS for A.G.

Apparent wind on Seydlitz from ENE at 34 knots (ahead)

TARGETING

```

Firing Ship          Pos. Target class          Range yds Arc Con Obstruction/problem
Seydlitz -----> 1 Lion -----14,819 8 2
Moltke -----> 2 Tiger -----14,957 5
Derfflinger -----> 3 Lion -----15,095
Blucher -----> 1 Lion -----15,800 8 2
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. ----- Seydlitz ----- 46N 31E      067   26 24 23.6 27 25
II.A.G. ----- Graudenz ----- 35N 35E      062   26 26 24.8 26 26
Flot-V ----- Flotille V (10)(10) ----- 50N 24E      063   33 29 27.4 33 --
Flot-VIII --- Flotille VIII (10)(10) --- 49N 22E      061   33 30 29.8 33 --

```

```

HITS
2 Tiger class ----- 2 hits, 22 total
3 Lion class ----- 2 hits, 20 total
Moltke ----- 1 hit, 14 total

```

```

=====
Turn 132          18:05 Hrs      Real Time 08:36:05 AM 05/08/2021

```

REPORTS for A.G.

Apparent wind on Seydlitz from NE at 32 knots (2 points to starboard)

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con	Obstruction/problem
Seydlitz ----->	1	Lion -----	13,397			
Moltke ----->	2	Tiger -----	13,262			
Derfflinger ----->	3	Lion -----	13,126			
Blucher ----->	1	Indefatigable -----	12,811	8		

POSITIONS

Unit	Lead, screen, out of form.	Pos (in.)	Crs	Spd(ord/cur/avg /max/unit)
I.A.G. -----	Seydlitz -----	47N 33E	033	26 24 23.2 27 25
II.A.G. -----	Graudenz -----	36N 38E	031	26 26 25.6 26 26
Flot-V -----	Flotille V (10)(10) -----	51N 27E	033	23 23 23.2 33 --
Flot-VIII ---	Flotille VIII (10)(10) ---	52N 25E	033	23 23 25.0 33 --

HITS

	Heavy caliber	Medium caliber
1 Lion class -----	2 hits, 22 total	2 hits, 2 total
2 Tiger class -----	2 hits, 24 total	
3 Lion class -----	2 hits, 22 total	
Seydlitz -----	3 hits, 7 total	
Moltke -----	1 hit, 15 total	
Derfflinger -----	1 hit, 4 total	

=====
 Turn 133 18:10 Hrs Real Time 08:40:28 AM 05/08/2021

REPORTS for A.G.

Seydlitz machinery damaged
 Seydlitz turns away to NNE due to medium damage
 Apparent wind on Seydlitz from NNE at 30 knots (2 points to starboard)

TARGETING

Firing Ship	Pos.	Target class	Range yds	Arc	Con	Obstruction/problem
Seydlitz ----->	1	Lion -----	12,784		2	
Moltke ----->		Tiger -----	12,608	5		Lion class
Derfflinger ----->	2	Lion -----	12,282			
Blucher ----->	1	Lion -----	12,250	8	2	
Stralsund ----->		L Destroyer -----	13,334		2	Lion class
Rostock ----->		L Destroyer -----	13,385			Lion 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. -----	Seydlitz -----	49N 35E	013	26 25 24.6 26 25
II.A.G. -----	Graudenz -----	38N 41E	031	26 26 26.0 26 26
Flot-V -----	Flotille V (10)(10) -----	52N 26E	283	33 28 25.2 33 --
Flot-VIII ---	Flotille VIII (10)(10) ---	53N 25E	283	33 28 25.2 33 --

HITS

	Heavy caliber	Medium caliber
1 Lion class -----	5 hits, 27 total	1 hit, 3 total
Tiger class -----	2 hits, 26 total	
2 Lion class -----	3 hits, 25 total	
Seydlitz -----	4 hits, 11 total	
Seydlitz medium damage		
Moltke -----	4 hits, 19 total	
Derfflinger -----	3 hits, 7 total	

=====
 Turn 134 18:15 Hrs Real Time 08:46:41 AM 05/08/2021

REPORTS for A.G.

Moltke primary guns damaged
 Seydlitz turns away to NNW due to medium damage
 Apparent wind on Seydlitz from N at 25 knots (2 points to starboard)

TARGETING

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

Seydlitz ----->	1 Lion -----	14,201	6	
Moltke ----->	Tiger -----	13,738	4	
Derfflinger ----->	2 Lion -----	13,286	4	Lion class
Stralsund ----->	Arethusa -----	13,291		
Kolberg ----->	L Destroyer -----	13,023		L Destroyer 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. -----	Seydlitz -----	51N 33E	343	26 24 25.0 26 25
II.A.G. -----	Graudenz -----	40N 41E	011	26 26 26.0 26 26
Flot-V -----	Flotille V (10)(10) -----	50N 25E	343	26 26 23.2 33 --
Flot-VIII ---	Flotille VIII (10)(10) ---	48N 23E	163	33 26 23.2 33 --

HITS

	Heavy caliber	Medium caliber
1 Lion class -----	2 hits, 29 total	
Tiger class -----	1 hit, 27 total	
2 Lion class -----	4 hits, 29 total	
Seydlitz -----	3 hits, 14 total	
Moltke -----	2 hits, 21 total	
Derfflinger -----	5 hits, 12 total	