

Scenario: Aug 25, 1917 11:20 Hrs Introductory Scenario  
US Atlantic Fleet vs Hochseeflotte

Initial conditions

Wind WSW at 12 knots, seastate 3  
Visibility 21,000 yards, steady

Force 1, BATRON 1

Side 2, Hochseeflotte (AI controlled)

Force 4, Geschwader III

US Atlantic Fleet

BATDIV1 DN California (F)  
DN Tennessee  
DN Idaho  
DN Mississippi  
BATDIV2 DN Arizona  
DN Pennsylvania  
DN Oklahoma  
DN Nevada  
1stLCS CL Galatea  
CL Phaeton  
CL Inconstant  
CL Cordelia  
DESRON1 DD DESRON 1 (8)

Hochseeflotte (AI)

Div-V DN Konig (F)  
DN Grosser Kurfurst  
DN Markgraf  
DN Kronprinz  
Div-VI DN Kaiser  
DN Prinzregent Luitpold  
DN Kaiserin  
DN Friedrich Der Grosse  
II.A.G. CL Frankfurt  
CL Wiesbaden  
CL Pillau  
CL Ebling  
Flot-V TB Flotille V (8)

11:20 Hrs Scenario start  
BATRON 1, course 090, speed 16 knots  
Geschwader III, course 180, speed 16 knots

Turn 1

11:21 Hrs Galatea sights smoke [from Wiesbaden] bearing NE, about 15 NM  
11:23 Hrs Galatea sights smoke [from Ebling] bearing NNE, about 15 NM  
11:24 Hrs Wiesbaden sights smoke [from Galatea] bearing SW, about 10 NM

Turn 2

11:28 Hrs Galatea sights smoke [from Flotille V] bearing NE, about 15 NM  
11:30 Hrs Galatea sights smoke [from Frankfurt] bearing ENE, about 15 NM

Turn 3

11:31 Hrs Wiesbaden sights smoke [from Phaeton] bearing SW, about 10 NM  
11:31 Hrs Galatea sights smoke [from Div-V] bearing NE, about 15 NM  
11:31 Hrs Galatea sights 3 funneled cruiser [Wiesbaden] bearing NE, 9 NM  
11:33 Hrs Wiesbaden sights 3 funneled cruiser [Galatea leading 1stLCS] bearing SW, 8 NM  
11:33 Hrs Galatea sights smoke [from Div-VI] bearing NE, about 15 NM  
11:33 Hrs Wiesbaden opens fire on Galatea, range 16,500 yards  
11:34 Hrs Wiesbaden sights smoke [from Inconstant] bearing SSW, about 15 NM

Turn 4

11:36 Hrs Wiesbaden sights smoke [from DESRON 1] bearing SW, about 15 NM  
11:36 Hrs Galatea opens fire on Wiesbaden, range 13,100 yards  
11:37 Hrs Wiesbaden sights 3 funneled cruiser [Phaeton] bearing SW, 8 NM  
11:38 Hrs Galatea sights 3 funneled cruiser [Ebling] bearing NNE, 8 NM  
11:39 Hrs Ebling opens fire on Galatea, range 16,600 yards

Turn 5

11:41 Hrs Wiesbaden sights smoke [from BATDIV1] bearing SW, about 15 NM  
11:42 Hrs Wiesbaden sights smoke [from Cordelia] bearing SSW, about 15 NM  
11:42 Hrs Galatea launches a torpedo at Wiesbaden  
11:43 Hrs Galatea sights Konig class DN [Konig leading Div-V] bearing ENE, 10 NM  
11:43 Hrs Galatea sights Konig class DN [Grosser Kurfurst] bearing ENE, 10 NM  
11:43 Hrs Galatea sights smoke [from Pillau] bearing ENE, about 15 NM  
11:43 Hrs Phaeton opens fire on Wiesbaden, range 13,450 yards  
11:44 Hrs Galatea sights Konig class DN [Markgraf] bearing ENE, 10 NM  
11:44 Hrs Galatea sights Konig class DN [Kronprinz] bearing ENE, 10 NM  
11:45 Hrs Wiesbaden sights 3 funneled cruiser [Inconstant] bearing SSW, 8 NM  
11:45 Hrs Galatea sights Kaiser class DN [Kaiser leading Div-VI] bearing ENE, 10 NM  
11:45 Hrs Galatea sights Kaiser class DN [Prinzregent Luitpold] bearing ENE, 10 NM

Turn 6

11:46 Hrs Galatea sights Kaiser class DN [Kaiserin] bearing ENE, 10 NM  
11:46 Hrs Galatea sights Kaiser class DN [Friedrich Der Grosse] bearing ENE, 10 NM  
11:47 Hrs Wiesbaden sights Tennessee class DN [California leading BATDIV1] bearing SW, 10 NM

11:47 Hrs Wiesbaden sights Tennessee class DN [Tennessee] bearing SW, 10 NM  
 11:47 Hrs Wiesbaden loses 1 primary gun starboard  
 11:48 Hrs Wiesbaden sights New Mexico class DN [Idaho] bearing SW, 9 NM  
 11:48 Hrs Wiesbaden sights New Mexico class DN [Mississippi] bearing SW, 10 NM  
 11:48 Hrs Wiesbaden loses 1 primary gun starboard  
 11:48 Hrs Inconstant opens fire on Wiesbaden, range 12,750 yards  
 11:49 Hrs Wiesbaden sights Pennsylvania class DN [Arizona leading BATDIV2] bearing SW, 9 NM  
 11:49 Hrs Wiesbaden sights Pennsylvania class DN [Pennsylvania] bearing SW, 10 NM  
 11:49 Hrs Wiesbaden sights Nevada class DN [Oklahoma] bearing SW, 10 NM  
 11:50 Hrs Wiesbaden sights Nevada class DN [Nevada] bearing SW, 9 NM  
 11:50 Hrs Wiesbaden sights 3 funneled cruiser [Cordelia] bearing SSW, 8 NM  
 11:50 Hrs Wiesbaden sights 8 destroyers [DESRON 1] bearing SW, 7 NM  
 11:50 Hrs Wiesbaden loses 1 primary gun port  
 11:50 Hrs Wiesbaden loses 1 primary gun port  
 11:50 Hrs Inconstant opens fire on Wiesbaden, range 9,650 yards  
 11:50 Hrs Geschwader III deploys, Konig leading battleline,  
 keeps current course 180, enemy to starboard  
 11:50 Hrs II.A.G. stationed on Konig, 3 NM ahead  
 Turn 7  
 11:51 Hrs Phaeton shifts fire to Ebling, range 12,300 yards  
 11:51 Hrs Galatea turns away to W due to proximity  
 11:52 Hrs Inconstant opens fire on Wiesbaden, range 9,050 yards  
 11:52 Hrs Galatea maximum speed reduced by flooding  
 11:53 Hrs Galatea maximum speed reduced by flooding  
 11:54 Hrs Wiesbaden loses 1 primary gun aft  
 11:54 Hrs Galatea maximum speed reduced by flooding  
 11:55 Hrs Galatea turns away to WSW due to medium damage  
 11:55 Hrs Geschwader III battleline closes range to continue engagement, course 237  
 Turn 8  
 11:56 Hrs Cordelia opens fire on Wiesbaden, range 13,300 yards  
 11:57 Hrs Inconstant sights 3 funneled cruiser [Frankfurt leading II.A.G.] bearing ESE, 9 NM  
 11:58 Hrs Inconstant sights 7 destroyers [Flotille V] bearing E, 7 NM  
 11:58 Hrs Frankfurt opens fire on Inconstant, range 17,050 yards  
 12:00 Hrs Inconstant shifts fire to Flotille V, range 11,750 yards  
 Turn 9  
 12:01 Hrs Inconstant sights 3 funneled cruiser [Pillau] bearing E, 9 NM  
 12:01 Hrs Cordelia opens fire on Wiesbaden, range 8,950 yards  
 12:01 Hrs Ebling shifts fire to Phaeton, range 12,400 yards  
 12:02 Hrs California opens fire on Konig, range 20,200 yards  
 12:02 Hrs Tennessee opens fire on Konig, range 20,700 yards  
 12:02 Hrs Konig opens fire on California, range 20,200 yards  
 12:02 Hrs Grosser Kurfurst opens fire on California, range 20,750 yards  
 12:02 Hrs Pillau opens fire on Inconstant, range 16,450 yards  
 12:03 Hrs Idaho opens fire on Konig, range 20,000 yards  
 12:03 Hrs Mississippi opens fire on Konig, range 20,450 yards  
 12:03 Hrs Markgraf opens fire on California, range 20,200 yards  
 12:03 Hrs Kronprinz opens fire on California, range 20,700 yards  
 12:04 Hrs Mississippi shifts fire to Markgraf, range 20,450 yards  
 12:04 Hrs Arizona opens fire on Konig, range 19,550 yards  
 12:04 Hrs Phaeton shifts fire to Frankfurt, range 13,250 yards  
 12:04 Hrs Inconstant shifts fire to Wiesbaden, range 3,000 yards  
 12:04 Hrs Cordelia shifts fire to Ebling, range 12,450 yards  
 12:04 Hrs Kronprinz shifts fire to Idaho, range 20,450 yards  
 12:04 Hrs Kaiser opens fire on California, range 20,200 yards  
 12:04 Hrs Frankfurt shifts fire to Phaeton, range 13,250 yards  
 12:04 Hrs Ebling shifts fire to Cordelia, range 12,450 yards  
 12:04 Hrs Wiesbaden maximum speed reduced by flooding  
 12:05 Hrs Idaho shifts fire to Grosser Kurfurst, range 18,000 yards  
 12:05 Hrs Pennsylvania opens fire on Grosser Kurfurst, range 19,650 yards  
 12:05 Hrs Oklahoma opens fire on Konig, range 19,700 yards  
 12:05 Hrs Grosser Kurfurst shifts fire to Tennessee, range 17,550 yards  
 12:05 Hrs Prinzregent Luitpold opens fire on California, range 19,550 yards  
 12:05 Hrs Kaiserin opens fire on Tennessee, range 20,500 yards  
 12:05 Hrs Geschwader III battleline maintains range, course 160, current range 16600 yards  
 Turn 10  
 12:06 Hrs Nevada opens fire on Grosser Kurfurst, range 19,700 yards  
 12:06 Hrs Markgraf shifts fire to Idaho, range 17,600 yards  
 12:06 Hrs Friedrich Der Grosse opens fire on California, range 19,950 yards  
 12:07 Hrs Kronprinz shifts fire to Mississippi, range 17,400 yards  
 12:07 Hrs Inconstant launches a torpedo at Wiesbaden, visible to enemy

12:09 Hrs Grosser Kurfurst loses 1 gun of A turret  
 12:10 Hrs Idaho shifts fire to Konig, range 14,000 yards  
 12:10 Hrs Mississippi shifts fire to Grosser Kurfurst, range 14,500 yards  
 12:10 Hrs Arizona shifts fire to Markgraf, range 14,700 yards  
 12:10 Hrs Pennsylvania shifts fire to Kronprinz, range 15,250 yards  
 12:10 Hrs Oklahoma shifts fire to Kaiser, range 16,050 yards  
 12:10 Hrs Nevada shifts fire to Prinzregent Luitpold, range 17,250 yards  
 12:10 Hrs Inconstant shifts fire to Frankfurt, range 7,450 yards  
 12:10 Hrs Prinzregent Luitpold shifts fire to Tennessee, range 13,700 yards  
 12:10 Hrs Kaiserin shifts fire to Idaho, range 14,650 yards  
 12:10 Hrs Friedrich Der Grosse shifts fire to Mississippi, range 17,200 yards  
 12:10 Hrs Ebling shifts fire to Phaeton, range 10,100 yards  
 Turn 11  
 12:11 Hrs Idaho shifts fire to Grosser Kurfurst, range 13,450 yards  
 12:11 Hrs Mississippi shifts fire to Markgraf, range 13,900 yards  
 12:11 Hrs Arizona shifts fire to Kronprinz, range 14,150 yards  
 12:11 Hrs Pennsylvania shifts fire to Kaiser, range 14,750 yards  
 12:11 Hrs Oklahoma shifts fire to Prinzregent Luitpold, range 15,850 yards  
 12:11 Hrs Nevada shifts fire to Kaiserin, range 16,700 yards  
 12:11 Hrs Idaho loses 1 gun of Turret 1  
 12:11 Hrs Friedrich Der Grosse shifts fire to California, range 14,550 yards  
 12:11 Hrs Frankfurt shifts fire to Galatea, range 14,300 yards  
 12:11 Hrs Pillau shifts fire to Galatea, range 14,750 yards  
 12:12 Hrs Konig loses 1 gun of B turret  
 12:13 Hrs Prinzregent Luitpold loses D turret [guns lost: 2]  
 Turn 12  
 12:18 Hrs Kronprinz loses 1 gun of C turret  
 12:18 Hrs Friedrich Der Grosse shifts fire to Tennessee, range 9,450 yards  
 12:18 Hrs Wiesbaden shifts fire to Phaeton, range 8,200 yards  
 12:18 Hrs Pillau shifts fire to Inconstant, range 9,450 yards  
 12:18 Hrs Ebling shifts fire to Cordelia, range 11,550 yards  
 12:18 Hrs Kronprinz maximum speed reduced by flooding  
 Turn 13  
 12:21 Hrs Galatea maximum speed reduced by flooding  
 12:21 Hrs Kronprinz maximum speed reduced by flooding  
 12:22 Hrs Grosser Kurfurst shifts fire to California, range 11,000 yards  
 12:22 Hrs Idaho loses 1 gun of Turret 1  
 12:22 Hrs Friedrich Der Grosse shifts fire to Idaho, range 8,850 yards  
 12:22 Hrs Kronprinz progressive flooding  
 12:22 Hrs Kronprinz maximum speed reduced by flooding  
 12:22 Hrs Kaiserin maximum speed reduced by flooding  
 12:23 Hrs Grosser Kurfurst shifts fire to Tennessee, range 11,400 yards  
 12:23 Hrs Kronprinz maximum speed reduced by flooding  
 12:24 Hrs Markgraf loses 1 gun of D turret  
 12:24 Hrs DESRON 1 DISPERSED  
 12:24 Hrs Kronprinz SINKS  
 12:24 Hrs Kaiser maximum speed reduced by flooding  
 12:24 Hrs Prinzregent Luitpold maximum speed reduced by flooding  
 12:25 Hrs Arizona shifts fire to Konig, range 9,100 yards  
 12:25 Hrs Kaiserin loses D turret [guns lost: 2]  
 12:25 Hrs Galatea maximum speed reduced by flooding  
 12:25 Hrs Kaiser maximum speed reduced by flooding  
 12:25 Hrs Geschwader III battleline closes up behind Konig  
 12:25 Hrs Div-V battleline lead unit, flagship Konig, course 160  
 12:25 Hrs Geschwader III battleline opens range, course 181, current range 10100 yards  
 Turn 14  
 12:26 Hrs Tennessee shifts fire to Grosser Kurfurst, range 11,450 yards  
 12:26 Hrs Idaho shifts fire to Markgraf, range 11,400 yards  
 12:26 Hrs Mississippi shifts fire to Prinzregent Luitpold, range 10,400 yards  
 12:26 Hrs Arizona shifts fire to Friedrich Der Grosse, range 9,650 yards  
 12:26 Hrs Pennsylvania shifts fire to Konig, range 9,150 yards  
 12:26 Hrs Nevada shifts fire to Grosser Kurfurst, range 9,650 yards  
 12:26 Hrs Kaiser shifts fire to Mississippi, range 10,800 yards  
 12:26 Hrs Friedrich Der Grosse shifts fire to Arizona, range 9,650 yards  
 12:26 Hrs Arizona loses Turret 4 [guns lost: 3]  
 12:27 Hrs Prinzregent Luitpold loses 1 gun of C turret  
 12:27 Hrs Galatea maximum speed reduced by flooding  
 12:27 Hrs Konig maximum speed reduced by flooding  
 12:27 Hrs Prinzregent Luitpold maximum speed reduced by flooding  
 12:28 Hrs Markgraf loses A turret [guns lost: 2]

12:28 Hrs Arizona launches a torpedo at Prinzregent Luitpold  
 12:28 Hrs Konig maximum speed reduced by flooding  
 12:28 Hrs Prinzregent Luitpold maximum speed reduced by flooding  
 12:29 Hrs Grosser Kurfurst loses A turret [guns lost: 1]  
 12:29 Hrs Konig turns away to SSE due to high damage  
 12:29 Hrs Pennsylvania launches a torpedo at Prinzregent Luitpold  
 12:29 Hrs Konig maximum speed reduced by flooding  
 12:30 Hrs Phaeton turns away to WNW due to medium damage  
 12:30 Hrs Cordelia launches a torpedo at Prinzregent Luitpold, visible to enemy  
 12:30 Hrs Konig maximum speed reduced by flooding  
 12:30 Hrs Grosser Kurfurst machinery damaged by flooding  
 12:30 Hrs Prinzregent Luitpold new lead ship of Div-VI  
 Turn 15  
 12:32 Hrs Grosser Kurfurst machinery damaged  
 12:32 Hrs Grosser Kurfurst loses 1 gun of C turret  
 12:32 Hrs Cordelia shifts fire to Pillau, range 6,150 yards  
 12:32 Hrs Prinzregent Luitpold shifts fire to Arizona, range 8,150 yards  
 12:32 Hrs Kaiserin shifts fire to Pennsylvania, range 9,000 yards  
 12:32 Hrs Ebling shifts fire to Galatea, range 14,850 yards  
 12:32 Hrs Pillau launches a torpedo at Pennsylvania, visible to enemy  
 12:32 Hrs Galatea uncontrolled flooding due to sea state  
 12:32 Hrs Galatea SINKS  
 12:32 Hrs Inconstant progressive flooding  
 12:33 Hrs Frankfurt shifts fire to Phaeton, range 14,700 yards  
 12:33 Hrs Ebling shifts fire to Inconstant, range 4,500 yards  
 12:33 Hrs Konig turns away to SSE due to high damage  
 12:33 Hrs Konig maximum speed reduced by flooding  
 12:33 Hrs Prinzregent Luitpold maximum speed reduced by flooding  
 12:34 Hrs Phaeton turns away to NW due to medium damage  
 12:34 Hrs Inconstant maximum speed reduced by flooding  
 12:34 Hrs Grosser Kurfurst maximum speed reduced by flooding  
 12:34 Hrs Prinzregent Luitpold maximum speed reduced by flooding  
 Turn 16  
 12:36 Hrs Friedrich Der Grosse avoiding torpedoes (away) [fired by Arizona]  
 12:36 Hrs Inconstant maximum speed reduced by flooding  
 12:36 Hrs Prinzregent Luitpold SINKS  
 12:37 Hrs Mississippi shifts fire to Konig, range 14,100 yards  
 12:37 Hrs Oklahoma shifts fire to Grosser Kurfurst, range 8,050 yards  
 12:37 Hrs Friedrich Der Grosse combing torpedoes (away) [fired by Arizona]  
 12:37 Hrs Konig maximum speed reduced by flooding  
 12:37 Hrs Grosser Kurfurst maximum speed reduced by flooding  
 12:38 Hrs Mississippi shifts fire to Grosser Kurfurst, range 13,850 yards  
 12:38 Hrs Pennsylvania shifts fire to Markgraf, range 8,050 yards  
 12:38 Hrs Oklahoma shifts fire to Friedrich Der Grosse, range 9,000 yards  
 12:38 Hrs Nevada shifts fire to Konig, range 8,250 yards  
 12:38 Hrs Phaeton shifts fire to Flotille V, range 11,700 yards  
 12:38 Hrs Cordelia shifts fire to Wiesbaden, range 3,850 yards  
 12:38 Hrs Cordelia loses X mount [guns lost: 1]  
 12:38 Hrs Frankfurt shifts fire to Inconstant, range 4,800 yards  
 12:38 Hrs Pillau shifts fire to Cordelia, range 4,900 yards  
 12:38 Hrs Cordelia maximum speed reduced by flooding  
 12:38 Hrs Konig loses power, primary battery out of action  
 12:38 Hrs Wiesbaden progressive flooding  
 12:39 Hrs Cordelia maximum speed reduced by flooding  
 12:40 Hrs Konig loses 1 gun of A turret  
 12:40 Hrs Pennsylvania avoiding torpedoes (toward) [fired by Pillau]  
 12:40 Hrs Oklahoma avoiding torpedoes (toward) [fired by Pillau]  
 12:40 Hrs Phaeton maximum speed reduced by flooding  
 12:40 Hrs Inconstant maximum speed reduced by flooding  
 12:40 Hrs Konig SINKS  
 12:40 Hrs Markgraf maximum speed reduced by flooding  
 12:40 Hrs Geschwader III battleline closes up behind Grosser Kurfurst  
 12:40 Hrs Div-V battleline lead unit, flagship Grosser Kurfurst, course 151  
 12:40 Hrs Geschwader III battleline opens range, course 185, current range 10950 yards  
 Turn 17  
 12:41 Hrs California shifts fire to Grosser Kurfurst, range 12,400 yards  
 12:41 Hrs Nevada shifts fire to Markgraf, range 8,050 yards  
 12:41 Hrs Phaeton turns away to NNE due to medium damage  
 12:41 Hrs Pennsylvania combing torpedoes (toward) [fired by Pillau]  
 12:41 Hrs Markgraf maximum speed reduced by flooding

12:41 Hrs Friedrich Der Grosse maximum speed reduced by flooding  
12:41 Hrs Wiesbaden maximum speed reduced by flooding  
12:42 Hrs Markgraf machinery damaged  
12:42 Hrs Cordelia machinery damaged  
12:42 Hrs Cordelia SINKS  
12:43 Hrs Pillau shifts fire to Inconstant, range 4,000 yards  
12:43 Hrs Inconstant boiler damaged  
12:43 Hrs Mississippi maximum speed reduced by flooding  
12:43 Hrs Inconstant maximum speed reduced by flooding  
12:43 Hrs Friedrich Der Grosse maximum speed reduced by flooding  
12:44 Hrs Frankfurt loses 1 primary gun starboard  
12:44 Hrs Kaiserin launches a torpedo at California  
12:44 Hrs Inconstant maximum speed reduced by flooding  
12:44 Hrs Grosser Kurfurst maximum speed reduced by flooding  
12:45 Hrs Mississippi shifts fire to Friedrich Der Grosse, range 10,350 yards  
12:45 Hrs Markgraf fire control damage  
12:45 Hrs Nevada shifts fire to Grosser Kurfurst, range 8,300 yards  
12:45 Hrs Grosser Kurfurst shifts fire to California, range 10,100 yards  
12:45 Hrs Markgraf shifts fire to Tennessee, range 12,100 yards  
12:45 Hrs Kaiser shifts fire to Idaho, range 7,750 yards  
12:45 Hrs Pennsylvania loses 1 gun of Turret 3  
12:45 Hrs Markgraf turns away to SE due to high damage  
12:45 Hrs Inconstant launches a torpedo at Friedrich Der Grosse  
12:45 Hrs Idaho maximum speed reduced by flooding  
12:45 Hrs Arizona progressive flooding  
12:45 Hrs Inconstant uncontrolled flooding due to speed  
12:45 Hrs Inconstant SINKS  
12:45 Hrs Markgraf progressive flooding  
12:45 Hrs Markgraf maximum speed reduced by flooding  
12:45 Hrs Markgraf new lead ship of Div-V and new flagship of Geschwader III

Turn 18

12:46 Hrs Friedrich Der Grosse turns away to SE due to high damage  
12:46 Hrs Idaho maximum speed reduced by flooding  
12:46 Hrs Markgraf maximum speed reduced by flooding  
12:46 Hrs Friedrich Der Grosse maximum speed reduced by flooding  
12:47 Hrs Mississippi shifts fire to Markgraf, range 12,500 yards  
12:47 Hrs Oklahoma shifts fire to Grosser Kurfurst, range 8,250 yards  
12:47 Hrs Nevada shifts fire to Markgraf, range 8,500 yards  
12:47 Hrs Markgraf shifts fire to California, range 11,750 yards  
12:47 Hrs Kaiser shifts fire to Tennessee, range 7,700 yards  
12:47 Hrs Kaiserin shifts fire to Idaho, range 7,800 yards  
12:47 Hrs Oklahoma launches a torpedo at Markgraf  
12:47 Hrs California progressive flooding  
12:47 Hrs Grosser Kurfurst maximum speed reduced by flooding  
12:48 Hrs Grosser Kurfurst maximum speed reduced by flooding  
12:49 Hrs Friedrich Der Grosse loses 1 gun of B turret  
12:49 Hrs Markgraf turns away to ESE due to high damage  
12:49 Hrs Arizona maximum speed reduced by flooding  
12:49 Hrs Markgraf SINKS  
12:50 Hrs Idaho shifts fire to Grosser Kurfurst, range 8,750 yards  
12:50 Hrs Mississippi shifts fire to Friedrich Der Grosse, range 11,400 yards  
12:50 Hrs Pennsylvania shifts fire to Grosser Kurfurst, range 9,300 yards  
12:50 Hrs Nevada shifts fire to Kaiser, range 10,150 yards  
12:50 Hrs Tennessee maximum speed reduced by flooding  
12:50 Hrs Friedrich Der Grosse SINKS  
12:50 Hrs Geschwader III battleline closes up behind Friedrich Der Grosse

Turn 19

12:51 Hrs Mississippi shifts fire to Grosser Kurfurst, range 8,650 yards  
12:51 Hrs Arizona shifts fire to Grosser Kurfurst, range 9,050 yards  
12:51 Hrs Ebling shifts fire to Phaeton, range 17,100 yards  
12:51 Hrs Kaiserin avoiding torpedoes (toward) [fired by Inconstant]  
12:52 Hrs Idaho shifts fire to Kaiser, range 8,300 yards  
12:52 Hrs Mississippi shifts fire to Kaiser, range 8,350 yards  
12:52 Hrs Kaiser loses 1 gun of D turret  
12:52 Hrs Grosser Kurfurst loses E turret [guns lost: 2]  
12:52 Hrs Oklahoma shifts fire to Kaiserin, range 9,150 yards  
12:52 Hrs California avoiding torpedoes (toward) [fired by Kaiserin]  
12:52 Hrs Tennessee avoiding torpedoes (away) [fired by Kaiserin]  
12:52 Hrs Grosser Kurfurst combing torpedoes (away) [fired by Inconstant]  
12:52 Hrs Idaho maximum speed reduced by flooding

12:52 Hrs Phaeton progressive flooding  
 12:52 Hrs Grosser Kurfurst SINKS  
 12:53 Hrs California shifts fire to Kaiser, range 7,550 yards  
 12:53 Hrs Tennessee shifts fire to Kaiser, range 8,850 yards  
 12:53 Hrs Arizona shifts fire to Kaiserin, range 8,700 yards  
 12:53 Hrs Pennsylvania shifts fire to Kaiserin, range 8,800 yards  
 12:54 Hrs Kaiser maximum speed reduced by flooding  
 12:55 Hrs Frankfurt loses 1 primary gun port  
 12:55 Hrs Kaiserin maximum speed reduced by flooding  
 Turn 20  
 12:56 Hrs Kaiser loses E turret [guns lost: 2]  
 12:56 Hrs Kaiser maximum speed reduced by flooding  
 12:56 Hrs Kaiserin maximum speed reduced by flooding  
 12:57 Hrs Kaiser loses D turret [guns lost: 1]  
 12:57 Hrs Idaho shifts fire to Kaiserin, range 8,500 yards  
 12:57 Hrs Mississippi shifts fire to Kaiserin, range 8,100 yards  
 12:57 Hrs Kaiserin shifts fire to California, range 7,450 yards  
 12:57 Hrs Frankfurt turns away to E due to medium damage  
 12:57 Hrs Arizona launches a torpedo at Kaiser  
 12:57 Hrs Idaho progressive flooding  
 12:57 Hrs Kaiser SINKS  
 12:58 Hrs California shifts fire to Kaiserin, range 7,200 yards  
 12:58 Hrs Tennessee shifts fire to Kaiserin, range 8,600 yards  
 12:58 Hrs Ebling boiler damaged from funnel hit  
 12:59 Hrs Arizona opens fire on Kaiserin, range 8,650 yards  
 12:59 Hrs Nevada opens fire on Kaiserin, range 8,300 yards  
 12:59 Hrs Flotille V launches 5 torpedoes at California, visible to enemy  
 12:59 Hrs Kaiserin maximum speed reduced by flooding  
 13:00 Hrs Kaiserin SINKS  
 Turn 21  
 13:01 Hrs California shifts fire to Frankfurt, range 15,300 yards  
 13:01 Hrs Arizona shifts fire to Frankfurt, range 6,550 yards  
 13:01 Hrs Pennsylvania shifts fire to Wiesbaden, range 6,550 yards  
 13:01 Hrs Oklahoma shifts fire to Pillau, range 6,550 yards  
 13:01 Hrs Nevada shifts fire to Ebling, range 6,550 yards  
 13:01 Hrs Frankfurt turns away to NE due to heavy shells  
 13:01 Hrs Flotille V DISPERSED  
 13:02 Hrs Tennessee shifts fire to Wiesbaden, range 15,350 yards  
 13:02 Hrs Mississippi shifts fire to Ebling, range 15,400 yards  
 13:02 Hrs Ebling loses 1 primary gun aft  
 13:02 Hrs Wiesbaden SINKS  
 13:02 Hrs Ebling maximum speed reduced by flooding  
 13:03 Hrs Idaho shifts fire to Pillau, range 17,200 yards  
 13:03 Hrs Frankfurt maximum speed reduced by flooding  
 13:04 Hrs Ebling SINKS  
 13:05 Hrs Frankfurt turns away to SSE due to heavy shells  
 Turn 22  
 13:06 Hrs Frankfurt primary magazine lost  
 13:06 Hrs Frankfurt loses 1 primary gun forward  
 13:06 Hrs Tennessee opens fire on Frankfurt, range 12,850 yards  
 13:06 Hrs Mississippi opens fire on Frankfurt, range 13,350 yards  
 13:06 Hrs Pennsylvania opens fire on Frankfurt, range 6,150 yards  
 13:06 Hrs Nevada opens fire on Frankfurt, range 7,150 yards  
 13:06 Hrs Frankfurt SINKS  
 13:07 Hrs Tennessee shifts fire to Pillau, range 12,350 yards  
 13:07 Hrs Pennsylvania shifts fire to Pillau, range 6,150 yards  
 13:07 Hrs Nevada shifts fire to Pillau, range 7,150 yards  
 13:07 Hrs Pillau turns away to NNE due to heavy shells  
 13:07 Hrs Tennessee avoiding torpedoes (toward) [fired by Flotille V]  
 13:07 Hrs California avoiding torpedoes (toward) [fired by Flotille V]  
 13:08 Hrs Mississippi shifts fire to Pillau, range 11,900 yards  
 13:08 Hrs Pillau opens fire on Phaeton, range 15,400 yards  
 13:08 Hrs Tennessee combing torpedoes (toward) [fired by Flotille V]  
 13:08 Hrs Mississippi avoiding torpedoes (toward) [fired by Flotille V]  
 13:10 Hrs Phaeton opens fire on Pillau, range 13,350 yards  
 13:10 Hrs Pillau launches a torpedo at Tennessee  
 13:10 Hrs Oklahoma primary ammo low