

BASIC SHIP DATA

Displacement: 6570 std In Class: 9
 Advance per 45° turn (Speed Loss)
 Standard rudder: 300 yards (2)
 Hard rudder: 200 yards (3)
 Accel/Tac Turn from 0-75% Max Speed 10
 Accel/Tac Turn from 76-100% Max Speed 5
 Decel/Tac Turn from from any Speed 12

Armor Rating: 0 Crew: 492
 Size Class: B/Medium ES: 3rd Gen
 Propulsion: Steam Turbine ECM: 3rd Gen J&D
 Signature: Medium/Noisy ACM: 2nd Gen Towed

SENSORS

Radar Name	Function	Lge	Med	Small	VSmall	Stealthy	Gen	Remarks
SPS-10	SS	48	28	16	9	5	2nd	
	LAS	48	40	28	11	3		
SPS-48E	3D	250	220	157	63	19	4th	
SPS-49(V)5	AS	260	237	169	68	20	4th	
SPS-59/LN-66	Nav	40	32	18	10	6	3rd	

Sonar Name	Mounting	Active	Passive	Freq	Gen	Remarks
SQS-26	Bow	3.8	1.7	LMF ^a -MF	3rd	CZ, BB

Link Name	TDL Type	Surf LOS	Air LOS	Beyond LOS	SATCOM	Jamming Resistance
Link 11	NRT	25	150	300	--	0

WEAPONS

A (1) Mk42 5in/54//A Mk68

GS6 Shell	Short Rng (75% Hit)		Med Rng (55% Hit)			Long Rng (25% Hit)			Extreme Rng (15% Hit)			
	100% vs. Belt		100% vs. Belt			40% vs. Belt			30% vs. Belt			
	Type	kyds	Pen	Dam	kyds	Pen	Dam	kyds	B/D	Pen	Dam	
HC	0 -	2	26	7.9 -	1	22	15.6 -	1/0	20	20.8 -	1/1	18
COM	7.8	5	18	15.5	3	14	20.7	2/1	13	25.9	2/2	11
HE	0 -	2	20	8.6 -	1	17	18.1 -	1/0	15	24.1 -	1/1	13
	8.5			18.0			24.0			30.0		

P (R) Mk15 Phalanx Blk 0 Autonomous, Sea Skimmer Capable, No local control

Low (2@5.0A)

S (R) Mk15 Phalanx Blk 0

F (2) MK26 w/52 RIM-67 //2 F SPG-55

w/8 ASROC

RIM-67C SM1ER Blk II. Guidance: 2nd Gen I/M/TSARH. VSmall. PVLow-VHi. 1650 knots (13.7 nmi per increment)

SAM. 4.5 - 40 nmi, ATA 2.0, 2 msls @ 2 tgt per SPG-55

SSM. 4.5 - 25 nmi, Pen: 4, Damage: 24+D6/3

RUM-5A ASROC Mod 4. Payload Mk46 torpedo, 660 knots

0.5 - 5.0 nmi, ROF 2/min

Mk46 Mod 5 (NEARTIP). 3rd Gen Active/Pass, 52 DP vs. sub, Max depth; Int V, Thermal, Contact-fuzed

6 nmi @ 45 knots

8 nmi @ 30 knots

PB (4) Mk141 w/4 RGM-84

SQ (4) Mk141 w/4 RGM-84

RGM-84D Harpoon IC. 3rd Gen I/TARH, VSmall, VLow Cruise, 561 knots (4.6 nmi per increment)

SSM. 3 - 75 nmi, Pen 9, Damage 40+D6/2, Selectable popup, 3 Waypoints

PB (3) Mk32 324mm TT w/3 Mk46

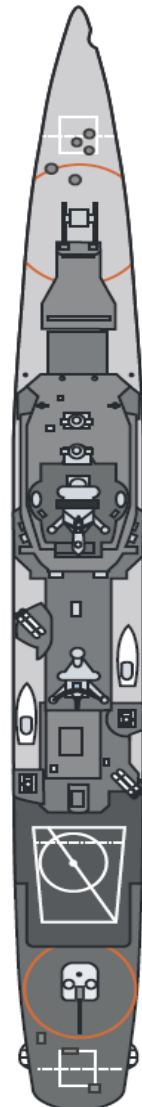
SB (3) Mk32 324mm TT w/3 Mk46

Mk46 Mod 5 (NEARTIP). 3rd Gen Active/Pass, 52 DP vs. sub, Max depth; Int V, Thermal, Contact-fuzed

6 nmi @ 45 knots

8 nmi @ 30 knots

Aft Pad (1) SH-2F Seasprite



Biddle has been hit by a torpedo that inflicted 150 DP, leaving 104 DP. She suffered two Flooding (totaling 6%), one Weapon, one Rudder, one Sensor, one CIC, one Bridge, and three Engineering critical hits (resulting in fires of 3%). She lost power during the attack, but it has been restored, and the fire and flooding have been controlled, although they inflicted an additional 15 DP. She has 89 DP remaining at the beginning of the scenario. The CIC hit has rendered all weapons and sensors inoperative, except for the SPS-59 Nav radar. Her helo has been flown off removing the Aft Pad as a critical hit location.

REMARKS

Originally classed as a DLG. Aluminum superstructure, -15% damage modifier. Carries 12 reload torpedoes.

DAMAGE & SPEED BREAKDOWN

	None	25%	50%	75%	90%	100%
Damage Points:	0	64	127	191	229	254
Maximum Speed:	33	25	17	8	0	Sinks

Fire/Flooding Severity Conditions:

Starting DP	Rc'vd DP	on turn	Remaining DP	CH Ratio	Starting DP	Rc'vd DP	on turn	Remaining DP	CH Ratio

1989 Configuration

Fire/Flooding D6%
 Minor (01-12%)
 Major (13-17%)
 Severe (18-19%)
 Overwhelmed (20%+)

Fire ____%

Flooding ____%

BASIC SHIP DATA

Displacement: 3470 std In Class: 51
 Advance per 45° turn (Speed Loss)
 Standard rudder: 300 yards (1)
 Hard rudder: 200 yards (2)
 Accel/Tac Turn from 0-75% Max Speed 18
 Accel/Tac Turn from 76-100% Max Speed 9
 Decel/Tac Turn from from any Speed 18

Armor Rating: 0 Crew: 250
 Size Class: C/Small ES: 3rd Gen
 Propulsion: COGAG/ CPP ECM: 3rd Gen D
 Signature: Small/ Quiet ACM: 2nd Gen Twd

SENSORS

Radar Name	Function	Lge	Med	Small	VSmall	Stealthy	Gen	Remarks
SPS-49(V)2	AS	260	210	150	60	18	4th	
SPS-55	SS	48	44	25	14	8	3rd	
	LAS	40	40	38	15	5		
Mk92 CAS	3D	45	45	35	14	4	3rd	
	SS, GFC	23	23	23	11	6		

Sonar Name	Mounting	Active	Passive	Freq	Gen	Remarks
SQS-56	Keel	3.0	1.3	MF ^a	5th	
SQR-19(V)2	Towed	--	7.0	VLf-LF	6th	Long, High speed

Link Name	Type	TDL	Surf	Air	Beyond	Jamming
	LOS	LOS	LOS	SATCOM	Resistance	
Link 11	NRT	25	150	300	--	0

WEAPONS

Combat System: Gen 4 Semi-Automatic

P&S (1) Mk75 76mm/62//A Mk92 CAS

GS6	Short Rng (75% Hit)			Med Rng (55% Hit)			Long Rng (25% Hit)			Extreme Rng (15% Hit)		
	Shell	100% vs. Belt		100% vs. Belt		40% vs. Belt		30% vs. Belt				
Type	kyds	Pen	Dam	kyds	Pen	Dam	kyds	B/D Pen	Dam	kyds	B/D-Pen	Dam
HE	0 - 6	1	18	6.1 - 12.1	1	15	12.2 - 16.1	0/0	14	16.2 - 20.1	0/1	12

A (R) Mk15 Phalanx Blk 0 Autonomous. Sea Skimmer Capable. No local control **Low (5.0A)**

F (1) Mk13 w/40 msls//F Mk92 CAS

RIM-66E SM1MR Blk VI

Guidance: 3rd Gen SARH. VSmall. PVLow-VHi. 1650 knots (13.7 nmi per increment)
 SAM. 2 - 25 nmi, ATA 2.5, 2 msls @ 1 tgt per Mk92
 SSM. 2 - 25 nmi, Pen: 4, Damage: 24+D6/3

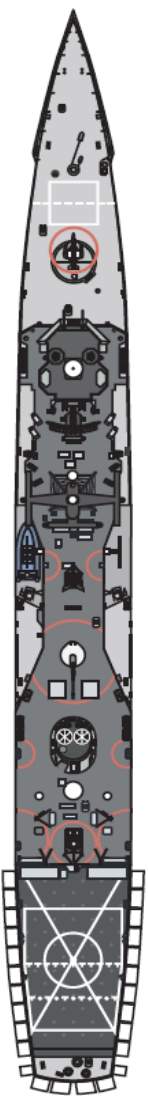
RGM-84D Harpoon IC . 3rd Gen I/TARH, VSmall, VLow Cruise, 561 knots (4.6 nmi per increment)
 SSM. 3 - 75 nmi, Pen 9, Damage 40+D6/2, Selectable popup, 3 Waypoints

PB (3) Mk32 324mm TT w/3 Mk46

SB (3) Mk32 324mm TT w/3 Mk46

Mk46 Mod 5 (NEARTIP). 3rd Gen Active/Pass, 52 DP vs. sub, Max depth Int V, Thermal, Contact-fuzed
 6 nmi @ 45 knots
 8 nmi @ 30 knots

Aft Pad (1) SH-60B LAMPS III



Doyle has suffered a non-combat related Engineering casualty which limits her speed to 22 knots. She has fired six of her SM1MR missiles, leaving 30, and has all four of her Harpoon missiles.

REMARKS

Has 18 Mk46 torpedoes. The Mk92 CAS gunfire director can be used as a director for a second SM1 channel, but it will only be able to provide half the number of intercepts as the STIR. CHP armor rating for Mk13, 76mm, Engineering, Sensors and CIC is 2. Single shaft, double the effect of Engineering critical hits. Fitted with fin stabilizers and RAST helicopter recovery system. Aluminum superstructure, -15% damage modifier.

DAMAGE & SPEED BREAKDOWN

	None	25%	50%	75%	90%	100%
Damage Points:	0	43	86	129	155	172
Maximum Speed:	29	22	15	7	0	Sinks

1989 Configuration

Starting DP	Rc'vd DP	on turn	Remaining DP	CH Ratio	Starting DP	Rc'vd DP	on turn	Remaining DP	CH Ratio

Fire/Flooding D6%
 Minor (01-12%)
 Major (13-17%)
 Severe (18-19%)
 Overwhelmed (20%+)

Fire _____ %
 Flooding _____ %

BASIC SHIP DATA

Displacement: 639 std In Class: 19
 Advance per 45° turn (Speed Loss)
 Standard rudder: 200 yards (1)
 Hard rudder: 100 yards (2)
 Accel/Tac Turn from 0-75% Max Speed 12
 Accel/Tac Turn from 76-100% Max Speed 6
 Decel/Tac Turn from any Speed 15

Armor Rating: 0 Crew: 65
 Size Class: D/Small ES: None
 Propulsion: Diesel ECM: 2nd Gen J&D
 Signature: Small/Noisy ACM: None

SENSORS

Radar Name	Function	Lge	Med	Small	VSmall	Stealthy	Gen	Remarks
MR-241 Pechora 1 (#1)	Nav	32	21	12	7	4	2nd	
MR-241 Pechora 1 (#2)	Nav	32	21	12	7	4	2nd	
Dubrava/Titanit	SS-T	35	25	14	8	4	2nd	
[Peel Pair]								Titanit provides 2nd Gen ESM
MPZ-301 Baza	LAS	22	22	22	15	4.4	3rd	MFC
[Pop Group]								

Sonar Name	Mounting	Active	Passive	Freq	Gen	Remarks
None						

Link Name	TDL Type	Surf LOS	Air LOS	Beyond LOS	SATCOM	Jamming Resistance
Monolit	RT	16	--	--	--	0

WEAPONS

Combat System: Gen 4 Semi-Automatic

PB&SB (3) SM-97 w/3 P-120 □□□

PB&SB (3) SM-97 w/3 P-120 □□□

P-120 Malakhit (4M85) [SS-N-9 Siren]. Guidance: 2nd Gen I/TIRH & TARH. Small SSM. 6 -65 nmi, Pen 18, Damage 46+D6, Low Cr. 594 knots (4.9 nmi per increment), Transonic, 200 kT option

F (2) ZiF-122 w/20 9M33 □□□□□□ □□□□□□ □□□□□□ F MPZ-301

Osa-M (9M33) [SA-N-4a Gecko]. Guidance: 2nd Gen Cmd. VSmall. Low-Med. 1650 knots (13.7 nmi per increment) SAM. 0.5 - 3.8 nmi, ATA 2.0, 2 msls @ 1 tgt per MPZ-301 SSM. 0.5 - 3.8 nmi, Pen: 2, Damage: 17+D6/3

A (1) AK-176 76mm/59//F shared MR-123 Vympel

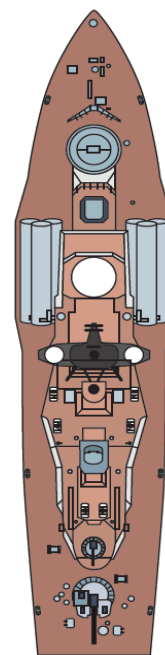
High (6.8)

GS6 Shell Type	Short Rng (75% Hit)			Med Rng (55% Hit)			Long Rng (25% Hit)			Extreme Rng (15% Hit)		
	kyds	Pen	Dam	kyds	Pen	Dam	kyds	B/D Pen	Dam	kyds	B/D-Pen	Dam
HE	0 - 4.5	1	17	4.6 - 9.0	1	14	9.1 - 12.0	0/0	12	12.1 - 15.0	0/1	11

A (R) AK-630 30mm//F shared MR-123 Vympel Sea Skimmer Capable

Low (3.1)

GS6 Shell Type	Short Rng (75% Hit)			Med Rng (55% Hit)			Long Rng (25% Hit)			Extreme Rng (15% Hit)		
	kyds	Pen	Dam	kyds	Pen	Dam	kyds	B/D Pen	Dam	kyds	B/D-Pen	Dam
HE	0 - 1.8	0	4	1.9 - 4.4	0	4	4.5 - 7.1	0/0	3	7.2 - 8.9	0/0	3



REMARKS

Alloy superstructure, -15% damage modifier. AK-176 76mm and AK-630 30mm are controlled by the shared FC radar and must fire at the same target.

DAMAGE & SPEED BREAKDOWN

	None	25%	50%	75%	90%	100%
Damage Points:	0	12	24	35	42	47
Maximum Speed:	32	24	16	8	0	Sinks

1989 Configuration

Fire/Flooding Severity Conditions:

Starting DP	Rc'vd DP	on turn	Remaining DP	CH Ratio	Starting DP	Rc'vd DP	on turn	Remaining DP	CH Ratio
██	██	██	██	██	██	██	██	██	██
██	██	██	██	██	██	██	██	██	██
██	██	██	██	██	██	██	██	██	██

Fire/Flooding D6%
 Minor (01-12%)
 Major (13-17%)
 Severe (18-19%)
 Overwhelmed (20%+)

Fire ____%

Flooding ____%

BASIC SHIP DATA

Displacement: 639 std In Class: 19
 Advance per 45° turn (Speed Loss)
 Standard rudder: 200 yards (1)
 Hard rudder: 100 yards (2)
 Accel/Tac Turn from 0-75% Max Speed 12
 Accel/Tac Turn from 76-100% Max Speed 6
 Decel/Tac Turn from from any Speed 15

Armor Rating: 0 Crew: 65
 Size Class: D/Small ES: None
 Propulsion: Diesel ECM: 2nd Gen J&D
 Signature: Small/Noisy ACM: None

SENSORS

Radar Name	Function	Lge	Med	Small	VSmall	Stealthy	Gen	Remarks
Pechora 1 (#1)	Nav	32	21	12	7	4	2nd	
Pechora 1 (#2)	Nav	32	21	12	7	4	2nd	
Monolit-T	SS-Tgt	80	80	61	34	19	3rd	provides 3rd Gen ESM
MPZ-301 Baza	LAS	22	22	22	15	4.4	3rd	MFC
[Pop Group]								

Sonar Name	Mounting	Active	Passive	Freq	Gen	Remarks
None						

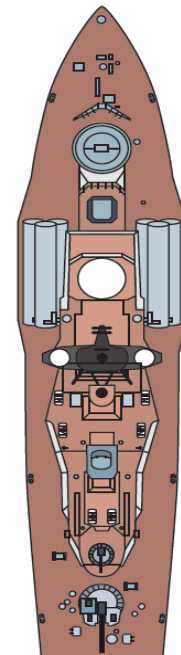
Link Name	TDL Type	Surf LOS	Air LOS	Beyond LOS	SATCOM	Jamming Resistance
Monolit	RT	16	--	--	--	0

WEAPONS

PB&SB (3) SM-97 w/3 P-120
PB&SB (3) SM-97 w/3 P-120
 P-120 Malakhit (4M85) [SS-N-9 Siren]. Guidance: 2nd Gen I/TIRH & TARH. Small SSM. 6 -65 nmi. Pen 18. Damage 46+D6. Low Cr. 594 knots (4.9 nmi per increment), Transonic, 200 kT option
F (2) ZiF-122 w/20 9M33M3 **F MPZ-301**
 Osa-MA-2 (9M33M3) [SA-N-4 Gecko]. Guidance: 2nd Gen Cmd. VSmall. VLow-Med. 1650 knots (13.7 nmi per increment) SAM. 0.5 - 6.5 nmi, ATA 2.5, 2 msls @ 1 tgt per MPZ-301 SSM. 0.5 - 6.5 nmi. Pen: 2. Damage: 17+D6/3

		High (6.8)											
		Short Rng (75% Hit)			Med Rng (55% Hit)			Long Rng (25% Hit)			Extreme Rng (15% Hit)		
		100% vs. Belt			100% vs. Belt			40% vs. Belt			30% vs. Belt		
Type	kyds	Pen	Dam	kyds	Pen	Dam	kyds	B/D Pen	Dam	kyds	B/D-Pen	Dam	
GS6	0 - 4.5	1	17	4.6 - 9.0	1	14	9.1 - 12.0	0/0	12	12.1 - 15.0	0/1	11	
Shell	100% vs. Belt												
HE	4.5												

		Low (3.1)											
		Short Rng (75% Hit)			Med Rng (55% Hit)			Long Rng (25% Hit)			Extreme Rng (15% Hit)		
		100% vs. Belt			100% vs. Belt			40% vs. Belt			30% vs. Belt		
Type	kyds	Pen	Dam	kyds	Pen	Dam	kyds	B/D Pen	Dam	kyds	B/D-Pen	Dam	
GS6	0 - 1.8	0	4	1.9 - 4.4	0	4	4.5 - 7.1	0/0	3	7.2 - 8.9	0/0	3	
Shell	100% vs. Belt												
HE	1.8												



REMARKS

Alloy superstructure, -15% damage modifier. AK-176 76mm and AK-630 30mm are controlled by the shared FC radar and must fire at the same target.

DAMAGE & SPEED BREAKDOWN

	None	25%	50%	75%	90%	100%
Damage Points:	0	12	24	35	42	47
Maximum Speed:	32	24	16	8	0	Sinks

1989 Configuration

Fire/Flooding Severity Conditions:

Starting DP	Rc'vd DP	on turn	Remaining DP	CH Ratio	Starting DP	Rc'vd DP	on turn	Remaining DP	CH Ratio
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Fire/Flooding D6%
 Minor (01-12%)
 Major (13-17%)
 Severe (18-19%)
 Overwhelmed (20%+)
 Fire _____%
 Flooding _____%